813 621-0080 FAX 813 623-6757 www.scsengineers.com

SCS ENGINEERS

April 7, 2011 File No. 09207049.06

Steven G. Morgan Solid Waste Section Southwest District Florida Department of Environmental Protection 13051 North Telecom Parkway Temple Terrace, Florida 33637-0926 Dept Of Environmental Protection

APR 0 7 2011

Southwest District

Subject:

Certification of Construction Completion

Citrus County Central Landfill, Lecanto, Florida

Dear Mr. Morgan:

In accordance with Specific Condition B.2.a of Construction Permit Number 21375-013-SC/01 for the Citrus County Central Landfill - Phase 3 Expansion Project, and on behalf of Citrus County Board of County Commissioners, SCS Engineers (SCS) is providing the Florida Department of Environmental Protection (FDEP) the certification of construction completion documents which include two 24"x36" signed and sealed drawings and two 11"x17" copies of the record set drawings.

Please to not hesitate to call if you have any questions or require additional information.

Dominique Branlett, P.E. Senior, Project Engineer

C. Ed Hilton, Jr., P.E. Project Director

Ed Hill

SCS ENGINEERS

Attachments

cc:

Susan J. Pelz, P.E., FDEP with enclosures Casey Stephens, Citrus County with enclosures

DHB/CEH:dhb

SCS ENGINEERS















Certification of Construction Completion Report Citrus County Class I Central Landfill Phase 3 Expansion Project Citrus County, Florida

Volume 1 of 2

Prepared for:

Citrus County



230 West Gulf To Lake Highway Lecanto, Florida 34461

Presented by:

SCS ENGINEERS

4041 Park Oaks Blvd., Suite 100 Tampa, Florida 33610 (813) 621-0080 Fax: (813) 623-6757

Florida Board of Professional Engineers Certification No. 00004892

> April 8, 2011 File No. 09207049.06

Offices Nationwide www.scsengineers.com

Certification of Construction Completion Report

Citrus County Class I Central Landfill Phase 3 Expansion Project Citrus County, Florida

Volume 1 of 2

Presented To:

Citrus County
230 West Gulf To Lake Highway

Lecanto, Florida 34461

Presented From:

SCS ENGINEERS

4041 Park Oaks Blvd. Suite 100 Tampa, Florida 33610 (813) 621-0080

April 8, 2011 File No. 09207049.06

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SECTION 1 PROJECT OVERVIEW

The Florida Department of Environmental Protection (FDEP) issued construction permit number 21375-013-SC/01 dated November 5, 2009, and Environmental Resource Permit (ERP) number 09-0291076-001 dated June 22, 2009, for the Citrus County Class I Central Landfill located in Citrus County, Florida. The FDEP construction permit authorized Citrus County to construct the Phase 3 Expansion project. The FDEP ERP authorized modifications to the existing surface water management system (SWMS) in order to provide pre-treatment and attenuation for noncontact stormwater runoff from approximately 44 acres of solid waste cells including a perimeter access road located in an existing 80 acre Class I solid waste facility.

In accordance with Specific Condition B.2.a.1) through 4) of construction permit number 21375-013-SC/01, and on behalf of the Citrus County Board of County Commissioners (BOCC), SCS Engineers (SCS) has prepared this Certification of Construction Report. Please refer to Attachment 1-1 for FDEP Form 62-701.900(2) Certification of Construction Completion of a Solid Waste Management Facility for construction of the Citrus County Class I Central Landfill Phase 3 Expansion project.

Notice to Proceed for the construction of the Phase 3 Expansion project was issued by the Citrus County Board of County Commissioners (BOCC) to Comanco Environmental Corporation (Comanco) to begin work on the project on or before July 5, 2010. The project duration was estimated at 180 days to reach substantial completion on December 31, 2010, and 210 days to reach final completion on January 30, 2011. The Contract Times were changed by Change Orders with a substantial completion of January 18, 2011, and a final completion date of February 15, 2011.

1.1 CONSTRUCTION PERMIT

Construction Permit Number 21375-013-SC/01 dated November 5, 2009, authorized the County to construct an expansion of the Class I Landfill (approximately 6.2 acres), referred to as the Citrus County Class I Central Landfill Phase 3 Expansion project. The project included excavating, filling, fine grading, placement and compaction of soil subbase material, installation of a biaxial and uniaxial reinforcing geogrids, installation of a geosynthetic clay liner (GCL), installation of a 60-mil textured (both sides) high density polyethylene (HDPE) geomembrane liner system, installation of geocomposite drainage layers, constructing leachate collection trenches and piping, a 2 ft protective layer with a hydraulic conductivity of not less than 5.2x10⁻⁴ cm/sec for the floor of the cell, associated quality assurance testing, tie-ins to completed construction, and required plumbing and electrical work if necessary for proper operation of the leachate pumping system. A copy of the Construction Permit Number 21375-013-SC/01 for the Citrus County Class I Central Landfill Phase 3 Expansion project is contained in Attachment 1-2.

The ERP Number 09-0291076-001 dated June 22, 2009, authorized the County to modify the existing SWMS to construct and implement a new perimeter conveyance along the northern boundary of the 6.2 acre Phase 3 Expansion project that will replace the existing conveyance that will be filled in by the expansion, and a new box culvert under the access road on the west side of the Phase 3 Expansion project. The ERP also allowed modifications to the dry retention pond

(DRA-5) located along the southern boundary of the existing solid waste cells (erosion control improvements) which authorized the construction and implementation of three trapezoidal spreader swales that will allow for the direct conveyance of stormwater runoff from the south face of the existing solid waste cells to the DRA-5, the addition of DRA turf grass on an asneeded basis for the life of the facility, and an emergency spillway. The erosion control improvements were constructed from November 23, 2009, through July 6, 2010. Please refer to the report entitled: *Report of Construction November 23*, 2009 - July 6, 2010 Citrus County Central Class I Landfill 7-acre re-closure construction permit no. 21375-014-SF/01; Phase 3 Expansion - Erosion Control Improvements Permit No. 21375-013-SC/01 "[S.I.C.]", August 31, 2010, prepared by SCS on behalf of the County for the construction certification report for the erosion control improvements effort which was submitted to FDEP on August 31, 2010. A copy of ERP Number 09-0291076-001 for the Citrus County Class I Central Landfill Phase 3 Expansion project is contained in Attachment 1-3.

Substantial completion of the Citrus County Class I Central Landfill Phase 3 Expansion Project was achieved on January 18, 2011, and final completion was achieved on February 15, 2011.

1.2 PROJECT ORGANIZATIONS AND FUNCTION

Work conducted at the site was performed by the following:

Owner

• Citrus County Solid Waste Management Department (County)

Engineering Consultant

• SCS Engineers - Design engineer and full-time construction quality assurance (CQA) for liner installation with part-time CQA for earthwork.

Construction Quality Assurance (CQA)

- SCS Engineers Full-time CQA during liner installation, Part-time CQA during earth moving work
- Citrus County Part-time CQA
- Professional Service Industries, Inc. (PSI) Soil CQA
- TRI/Environmental, Inc. (TRI) Quality assurance testing of geosynthetic materials

Contractor

• Comanco Environmental Corporation - General contractor and geosynthetics installer

Subcontractor

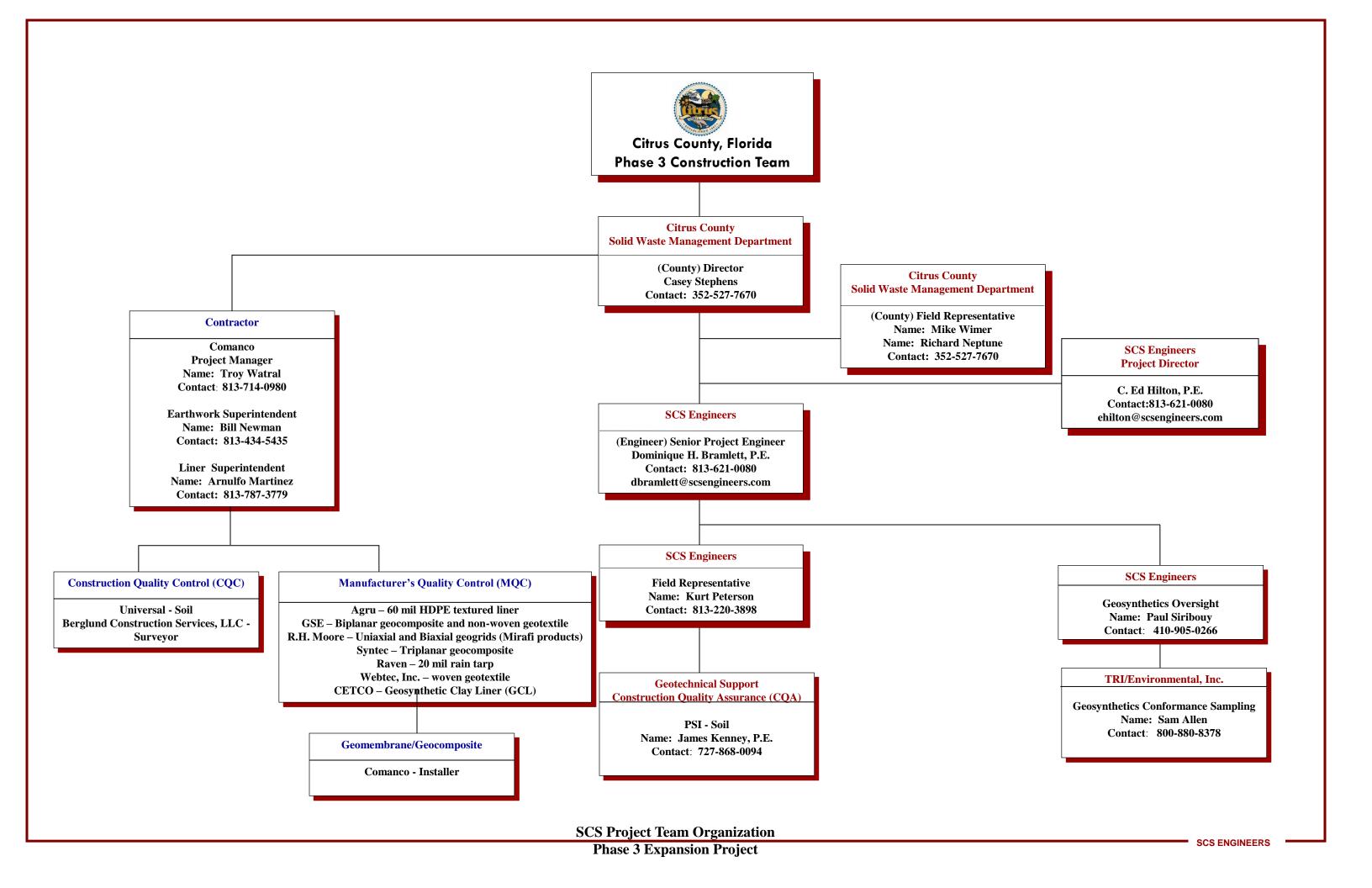
- Berglund Construction Services, LLC Surveyor
- Coastal Concrete

Construction Quality Control (CQC)

• Universal - Soil construction quality control (CQC) testing

1.3 CONTACT LIST

On behalf of the Citrus County BOCC, SCS had personnel located on site at the Citrus County Class I Central Landfill full-time during the liner installation and part-time during the earthwork construction. The County provided full-time construction observation during the earthwork construction. The following Organizational Chart lists the key project personnel, including those persons on-site during the project for daily construction activities.



Attachment 1-1

FDEP Form 62-701.900(2) Certification of Construction Completion of a Solid Waste Management Facility



Florida Department of Environmental Protection Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

DEP Form # 62-701.900	0(2)
Form Title Certification of	of Construction Completion
Effective Date May 19,	1994
DER Application No.	
DEP Application No	(Filled by DEP)

Certification of Construction Completion of a Solid Waste Management Facility

DEP Construction Permit No: 21375-013	S-SC/01 County: Citrus
Name of Project: Phase 3 Expansion Project	ect
Name of Owner: Citrus County Solid Wa	ste Management Department
Name of Engineer: SCS Engineers	
Type of Project: Class I Lateral Expansion	
Cost: Estimate \$ 2,488,136.25	Actual \$ 2,434,859.75
Site Design: Quantity: 350	ton/day Site Acreage: 80 Acres
Deviations from Plans and Application	Approved by DEP: The project was constructed in general
conformance with the permitted plans and	specifications. Refer to Section 2 of the Construction
Certification Report for any deviations to	the plans and specifications.
Address and Telephone No. of Site: 230	West Gulf Lake Highway, Lecanto, FL 34461
Name(s) of Site Supervisor: Mr Casey S	tephens
Date Site inspection is requested: As soo	
	ion of any deviation noted above, the construction of the accordance with the plans authorized by Construction
Permit No. 21375-013-SC/01	Dated: November 5, 2009
Date: April 6, 2011	- The Co
	Signature of Professional Engineer
	Page 1 of 1

Attachment 1-2

Citrus County Class I Central Landfill
Phase 3 Expansion Project
Construction Permit Number 21375-013-SC/01
Dated November 5, 2009



Florida Department of Environmental Protection

Southwest District Office 13051 North Telecom Parkway Temple Terrace, Florida 33637-0926 Charlie Crist Governor

Jeff Kottkamp Lt. Governor

Michael W. Sole Secretary

CERTIFIED MAIL #7008 0150 0003 4894 2524 RETURN RECEIPT REQUESTED

November 5 2009

NOTICE OF PERMIT

Ms. Susan Metcalfe, P.G., Director Citrus County Solid Waste Division P.O. Box 340 Lecanto, Fl. 34460-0340

RE: Citrus County Central Class I Landfill Phase 3 Expansion

Permit No.: 21375-013-SC/01, Citrus County

WACS No.: SWD/09/39859

Dear Ms. Metcalfe:

Enclosed is permit number 21375-013-SC/01, issued pursuant to Section(s) 403.087(1), Florida Statutes.

Any party to this Order (permit) has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Blvd., Mail Station 35, Tallahassee, 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Déborah A. Getzoff District Director 6

Southwest District

PERMIT NO: 21375-013-SC/01 Citrus Central Class I LF Phase 3 Construction

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this **NOTICE OF PERMIT** and all copies were mailed or transmitted electronically to the addressee and the listed persons before the close of business on $\frac{\Lambda(y)}{\partial x} \frac{\partial y}{\partial y} \frac{\partial y}{\partial y}$ to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(10), Florida Statutes, with the designated Department, Clerk, receipt of which is hereby acknowledged.

Clerk

Date

DAG/sgm Attachment

Copies furnished to:

Citrus County Elected Officials Notification
Dominique Bramlett, P.E., SCS Engineers, dbramlett@SCSEngineers.com
Patty Jefferson, Citrus County, patty.jefferson@bocc.citrus.fl.us
Fred Wick/Frank Hornbrook, FDEP, Tallahassee (e-mail)
Ronni Moore, OGC Tallahassee (e-mail)
John Morris, P.G., FDEP Tampa (e-mail)
Susan Pelz, P.E., FDEP Tampa (e-mail)



Florida Department of Environmental Protection

Southwest District 13051 North Telecom Parkway Temple Terrace, Florida 33637-0926 Telephone: 813-632-7600 Charlie Crist Governor

Jeff Kottkamp Lt. Governor

Michael W. Sole Secretary

PERMITTEE

Citrus County Board of County Commissioners 110 N. Apopka Avenue Inverness, FL 34450

Attention:

Ms. Susan Metcalfe, P.G., Director Citrus County Public Works, Division of Solid Waste Mgmt.

PERMIT/CERTIFICATION

WACS ID No: SWD/09/39859
Permit No: 21375-013-SC/01
Date of Issue: 11/05/2009
Expiration Date: 11/05/2014
County: Citrus
Lat/Long: 28⁰51'07"

82°26'12"

Sec/Town/Rge: 1/195/18E
Project: Citrus County Central
Class I Landfill

Phase 3 Construction er 403, Florida Statutes,

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-302, 62-330, 62-520, 62-522, 62-550, and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or referenced in Specific Condition #A.2., and made a part hereof and specifically described as follows:

To construct an expansion of a Class I landfill (approximately 6.2 acres), referred to as the Citrus County Central Landfill, Phase 3 subject to the specific and general conditions attached, located near S.R. 44, 3 miles east of Lecanto, Citrus County, Florida. The specific conditions attached are for the construction of:

1. Class I Landfill and related appurtenances

Replaces Permit No.: N/A, new

This permit contains compliance items summarized in **Attachment 1** that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

General Information:

Disposal acres	Approx. 6.2 acres (Phase 3 only) [ref. SC#A.2.a., Application form Part.3.]
Lowest Bottom elevation of Phase 3 (in primary sump)	+48.0 ft. NGVD [ref. SC#A.2.a.(4), Sheet 7 of 19]
Design top elevation at final buildout	max. +225.0 feet NGVD [ref. SC#A.2.a., Eng. Report, Sec. F. Att. F-3]
Sideslopes max.	3H: 1V [ref. SC#A.2.a., Eng. Report, Sec. F. Att. F-3]
Liner system (bottom to top) [SC#A.2.a.(4), Details 2 & 3/Sheet 9 of 19]	- Prepared subbase of compacted soil [Spec. 31 20 00-Table 31 20 00-1] - biaxial reinforcing geogrid [Spec. 31 32 19-Table 31 32 19-2] - Geosynthetic clay liner (GCL) (5 x 10 ⁻⁹ cm/sec) [Spec. 02 56 15-Table 3] (cell bottom only) - 60 mil textured (both sides) HDPE geomembrane [GM] [Spec. 33 05 20-Table 33 05 20-1] - 250 mil leak detection bi-planar geocomposite [BGDN] (n/w GT/geonet/n/w GT), [Spec. 31 05 21-Table 31-05-21-1] - 60 mil textured (both sides) HDPE geomembrane [GM] [Spec. 33 05 20-Table 33 05 20-1] - 300 mil tri-planar leachate collection geocomposite [TGDN] (n/w GT/geonet/n/w GT) [Spec. 31 05 20-Table 31-05-20-1] - 2-foot protective sand layer (5.2 x 10 ⁻⁴ cm/sec) [Spec. 31 20 00-Table 31 20 00-1] (placed on cell bottom during construction & on side slopes during operation) - uniaxial reinforcing geogrid (on-side slopes only & replaced by 2 ft protective layer during operation) [Spec. 31 32 19-Table 31 32 19-1]
LCS drainage system (top to bottom)	- Drainage/protective sand ≥ 5.2 x 10 ⁻⁴ cm/sec [Spec 31 20 00-Table 31 20 00-1] - One trench drains from east to west in center of each cell. 8-inch SDR 17 HDPE perforated LCS piping. [ref. Spec 33 51 10-2.01.B. SC#A.2.a.(4), Detail B, Sheet 9 of 19] Slope=1.0% after settlement at buildout [ref. SC#A.2.a., Eng. Report, Sec. H.3.b.3.]
	- LCS pipe drains to a primary leachate collection sump at the west end of Phase 3, then is pumped via two 24-inch SDR 17 HDPE side slope riser pipe to 4-inch HDPE leachate transmission line w/in-line meter to the existing 6-inch primary leachate transmission line to the existing leachate storage tank [ref. SC#A.2.a.(4), Sheets 6 and 7 of 19]
LDS drainage system	- LDS geocomposite pipe drains to a secondary leachate collection sump at west end of Phase 3, then is pumped via a 24-inch SDR 17 HDPE side slope riser pipe to 1.5-inch HDPE secondary leachate transmission line w/in-line meter to the 4-inch primary leachate transmission line to the existing 6-inch primary leachate transmission line to the existing leachate storage tank [ref. SC#A.2.a.(4), Sheets 6 and 7 of 19]
Design life	4.3 years (Phase 3) [ref. SC#A.2.a., Part F.5.c.]
Interface friction angles	GCL/Biaxial geogrid & BGDN/Uniaxial geogrid interfaces > 12.0° [Spec. 02 56 15-2.02.H.; Spec. 31 32 19-2.02.F. & H.] GM/GCL, GM/TGDN, GM/BGDN, & GM/Subbase soil interfaces > 20.5° [Spec. 33 05 20-3.02.G. through J.] Uniaxial geogrid/Protective soil interface > 22.0° [Spec. 31 32 19-2.02.G.]

Citrus Central Class I LF Phase 3 Construction

GENERAL CONDITIONS:

- The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
- This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - Have access to and copy any records that must be kept under conditions of the permit;
 - Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

GENERAL CONDITIONS:

- 8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - (a) A description of and cause of noncompliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

- 9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- 10. The permittee agrees to comply with changes in Department rules and Florida Statues after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- 11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- 12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
- 13. This permit also constitutes:
 - (a) Determination of Best Available Control Technology (BACT)
 - (b) Determination of Prevention of Significant Deterioration (PSD)
 - (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
 - (d) Compliance with New Source Performance Standards

GENERAL CONDITIONS:

- 14. The permittee shall comply with the following:
 - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 - 1. the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the dates analyses were performed;
 - 4. the person responsible for performing the analyses;
 - 5. the analytical techniques or methods used;
 - 6. the results of such analyses.
- 15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

- Facility Designation. This site shall be classified as a Class I landfill and shall be constructed, operated, closed, monitored and maintained in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522, 62-550, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.
- Permit Application Documentation. This permit is valid for construction of Phase 3 of the Class I landfill and related systems (including bottom liner system, leachate collection and detection systems), at the Citrus County Central Class I Landfill in accordance with Department rules and the reports, plans and other information prepared by SCS Engineers (unless otherwise specified) as follows:
 - Citrus County Class I Central Landfill Phase 3 Expansion Construction Permit Application... (collated into two 3-ring binders and plan set*) dated August 14, 2008 (received August 21, 2008), as revised, replaced or amended (replacement pages inserted into original) dated and received December 10, 2008, dated and received March 5, 2009, dated June 11, 2009 (received June 26, 2009), dated August 31, 2009 (received September 1, 2009), and dated September 9, 2009 (received September 10, 2009). This information includes, but is not limited to:
 - Technical Specifications, Attachment H-1, Appendix L [Specs.];
 - 2) CQA Plan, Attachment H-1 [CQAP];
 - Water Quality and Leachate Monitoring Plan, prepared by Jones Edmunds & Associates, Inc., dated November 2008, Attachment M-1 [Water Quality Monitoring Plan]; and
 - Plan Set titled, Citrus County Solid Waste Management Division Central Landfill Phase 3 Expansion Construction Drawings... (19 Sheets) dated August 2008 (revised and received December 10, 2008), including revised Sheets 7 of 19 through 10 of 19, received June 26, 2009.

3. Permit Modifications.

- Any construction or operation not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. Any significant changes to the construction or operation at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.
- This permit does not authorize landfill operation or closure. Construction, operation, or other activities not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate, or unless otherwise approved in writing by the Department.
- This permit authorizes the construction of the bottom liner system, including leachate collection and detection systems and other related appurtenances for the Phase 3 portion of the landfill, only.
- * see OCULUS for uncollated submittals

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

- 4. Permit Renewal. On or before April 1, 2014 the permittee shall notify the Department in writing or electronically of its intent to apply for renewal of this permit and of the anticipated date of submittal of the permit renewal application. No later than August 1, 2014, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10)(b), F.A.C. In the event that the regulations governing this permitted construction are revised, the permit renewal shall include modification of those specific construction conditions which are affected by the revision of regulations to incorporate those revisions in accordance with Specific Condition A.8.
- 5. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.
- 6. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions." General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.
- 7. **Permit Acceptance.** By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.
- 8. **Regulations.** Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.
- 9. **Prohibitions.** The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.
 - a. In the event that limestone is encountered during excavation or construction activities, excavation/construction activities in the immediate area shall cease, and the Department shall be notified within 24 hours of discovery. Written notification shall be submitted within 7 days of discovery. The written notification shall include the location, elevation, and extent of limestone noted on a plan sheet, a description of the materials encountered, and documentation of completion of specified over excavation and backfilling activities. Excavation or construction activities shall not resume in the affected area until the specified over excavation and backfilling activities have been completed.

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SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

(Specific Condition #A.9., cont'd)

- b. In the event that surface depressions or other occurrences which may be indicative of sinkhole activity or subsurface instability, are discovered on-site, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b. The written notification shall include a description of the incident, the location and size of the affected area shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.
- c. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b.

- 1. **Construction.** All significant construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.
 - a. This permit authorizes the construction of the Phase 3 bottom liner system, including leachate collection and detection systems and related appurtenances.
- 2. **Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate.
 - a. Within sixty (60) days after Phase 3 construction has been completed and <u>prior to</u> the acceptance of waste, the following activities shall be completed and submitted by the permittee, and shall be approved by the Department:
 - 1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer in charge of construction and quality assurance to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.
 - 2) The owner or operator shall submit Record Drawings/Documents showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Documents shall include asbuilt plans details and elevations (survey) as appropriate.
 - 3) The owner or operator shall submit a narrative indicating all changes in plans, the cause of the deviations, and certification of the Record Drawings/Documents by the Engineer to the Department.
 - 4) The professional engineer of record shall submit to the Department a final report to verify conformance with the plans and specifications in accordance with Rules 62-701.400(7) and (8), F.A.C.

3. Record Drawings/Documents.

- a. The Record Drawings/Documents shall include, but not be limited to, the following information:
 - 1) Location of all anchor trenches and limits of liner;
 - 2) Daily construction reports;
 - 3) As-built drawings showing the geomembrane panel installation layout, locations of fabricated and field seams, type of seams, destructive sampling locations, locations of all repairs, panel designations, geomembrane booting and connection details;
 - 4) As-built elevations for the leachate collection pipes (including elevations in the trenches and inverts at the collection sump);
 - 5) All geomembrane destructive test results;
 - 6) A compact disc or other electronic media that includes all available photographs documenting all stages of the construction project. Each photograph shall include the camera date stamp.

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SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.3.a., cont'd)

- 7) The information listed in CQAP Section 7;
- 8) Documentation that demonstrates that all leachate collection system piping has been video inspected and pressure cleaned. This documentation shall also detail all deficiencies discovered and corrective actions taken; and
- 9) Construction details for proposed monitor well MW-20 as required by Specific Condition #E.5.b., and #E.5.d., and results of initial sampling as required by Specific Condition #E.5.c.
- 10) Documentation of any geotechnical improvements to the subgrade during cell preparation.

4. Pre-Construction Submittals.

- a. At least thirty (30) days prior to initiation of any construction activity, unless otherwise specified, the permittee shall submit the following information to the Department:
 - A complete set of Plans, Specifications and CQA Plan to be used for construction which includes all changes (i.e., all additions, deletions, revisions to the plans previously approved by the Department). All changes shall be noted using strikethrough (strikethrough) for deletions, and shading (shading) or underline (underline) for additions. All changes in the plans, specifications and CQA Plan shall be accompanied by a narrative indicating the change. Significant changes in the plans, as determined by the Department, shall require a permit modification. All changes in the plans shall be noted on the plans and the cause of the deviation and a re-certification of the alternate design by the design engineer shall be provided. These alternate designs shall be approved by the Department prior to construction. If no changes have been made to the construction plans, Specifications or CQA Plan, the permittee shall notify the Department in writing that no changes have been made, and re-submittal of these documents will not be required prior to construction;
 - 2) The role and name of the specific company/organization for each of the parties in the Project team [CQAP Section 3.02];
- b. At least 30 days prior to initiation of installation of the liner, the results of the interface friction testing using actual construction materials shall be submitted to the Department. The results must demonstrate that the all interfaces each exhibit a minimum safety factor of 1.5 against sliding. Placement of the geomembrane shall not proceed prior to the Engineer's receipt of the results of the interface friction testing which meet the requirements of this condition. The minimum specified interface friction angles are as specified in Specific Condition B.11.f., with no cohesion for all liner system interfaces [Spec. 02 52 15-2.02.H. & I.; Spec. 31 32 19-2.02.H.].

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SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.4., cont'd)

- c. No later than 2 weeks prior to construction of the following components of the project, the Department shall be notified of the initiation of construction of these components (for each phase of construction) to allow the Department to observe the construction of:
 - 1) Seaming performed using a method other than double-fusion (wedge) or extrusion welding and;
 - 2) Bottom liner tie-in (with Phase 2) areas;
- d. At least seven (7) days prior to initiation of the following activities, the permittee shall submit the following information:
 - 1) Initiation of any dewatering activity Submit a dewatering plan for the removal and disposal of groundwater encountered and required to be removed as part of construction;
 - 2) Initiation of placing drainage sand Submit permeability test results for the drainage sand [Spec. 31 20 00-2.03.C.].
- e. To allow for observation, at least 72 hours prior to initiation, the Department shall be notified of any spark testing.
- 5. Pre-Construction Meeting Notification. Department Solid Waste Permitting staff shall be notified at least one (1) week prior to all preconstruction meetings. Prior to initiating construction activities, the permittee shall make arrangements for the Engineer of Record to meet on site and discuss all plan changes with Department Solid Waste Permitting Staff. A copy of the minutes from the pre-construction conference shall be submitted to the Department within two (2) weeks of the conference.
- Construction Schedule and Progress Report.
 - a. No later than one (1) week after the pre-construction conference, the owner or operator shall submit a construction schedule which includes estimated dates for each portion of the construction to the Department. The Engineer of Record or another qualified professional engineer shall make periodic inspections during construction to ensure that design integrity is maintained.
 - b. An updated construction schedule and progress report shall be submitted to the Department monthly, by the 15th of each month. The monthly progress report should be submitted in an appropriately labeled three-ring binder of sufficient size to store the monthly progress reports for the entire project, or may be submitted electronically. The monthly progress reports shall include, but not be limited to:
 - 1) A narrative explaining the status (and any delays) of major stages of the construction (i.e., liner, piping, etc.),
 - 2) Progress meeting minutes [CQAP, Sec. 4.2];
 - 3) Problem or work deficiency meeting minutes [CQAP, Sec. 4.3]; and
 - 4) Color copies of photographs which are representative of the typical construction activities for the reporting period and details of major stages of construction (e.g., biaxial reinforcing geogrid installation, leachate trench construction, Phase 2 liner tie-in, etc.). Photographs shall be date stamped.

7. Construction Tolerances.

- a. For final grading, the construction tolerances shall be ± 0.20 ft. (vertical) and ± 0.50 ft. (horizontal) for elevation and $\pm 0.10\%$ for slope to the lines and grade as shown on the construction drawings [Spec. 31 20 00-3.11].
- b. As-built topographic surveys shall demonstrate that the liner and protective soil cover were constructed within the tolerance required by the Drawings and Specifications. Grid spacing shall be no greater than a 50 ft. grid [Spec. 01 51 01-3.01.I.].
- c. All soil layers shall be constructed to the thicknesses listed in the Specifications and CQA Plan, which are minimum requirements.
- d. Leachate collection pipe invert elevations shall be surveyed/recorded every 50 linear feet along the pipe and at each change in direction. The construction tolerance for pipe elevations shall be ±0.1 ft. for the leachate collection and detection lines.

8. Construction Quality Assurance.

- a. CQA Plan and Observation.
 - 1) Liner systems shall have a construction quality assurance plan to provide personnel with adequate information to achieve continuous compliance with the construction requirements. The Construction Quality Assurance Plan shall be in accordance with Rules 62-701.400(7) and (8), F.A.C., the CQA Plan [ref. SC#A.2.a(2)], and the conditions of this permit.
 - 2) The professional engineer or his designee shall be on-site at all times during construction (including liner system and leachate collection/detection systems) to monitor construction activities.
 - 3) The CQA Consultant and CQA support personnel shall evaluate contractor activities; review and evaluate submittals, and MQC and CQC results; perform and evaluate CQA tests; and notify the Engineer of defective or non-conforming work. [CQAP, Sec. 3.4]
 - 4) The CQA Laboratories shall be independent of the Contractors, Installers, and Manufacturers. [CQAP, Secs. 3.8 & 3.9] The CQA Laboratories are responsible for conducting interface friction angle testing, internal shear testing (GCL), GCL hydraulic conductivity testing, and liner seams peel and shear testing.
- b. <u>Construction Documents</u>. A complete set of construction drawings and shop drawings, which include daily additions, deletions and revisions, shall be maintained on-site at all times for reference. Drawings which show the locations of geomembrane panel seams and repairs shall be kept on-site at all times for reference. Work shall not be concealed until required information is recorded.

(Specific Condition #B.8., cont'd)

c. Spills.

- 1) Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to the land, surface water or groundwater at any time during the construction activities.
- 2) The Department shall be notified in accordance with Specific Condition #C.6.b. of all fuel, oils, greases, solvents, lubricants, etc., that are spilled or leaked in areas that may discharge outside the liner system. The permittee shall ensure that all personnel working on the landfill site (including contractors and subcontractors) shall utilize all appropriate measures to prevent spills and leaks of fuel, solvents, lubricants, oils, etc.
- d. <u>Defective work</u>. Unsatisfactory, defective or non-conforming work shall be reported to the Engineer and shall be corrected, or the reasons for not correcting the work shall be recorded and maintained on-site for reference and inspections. Documentation of the corrections or reasons for not correcting the work shall be submitted with the Record Documents required by Specific Conditions #B.2 and #B.3. All areas not meeting the requirements of the contract specifications and CQA Plan shall be reworked by the Contractor to meet the specifications, CQA Plan and requirements of this permit.
- e. <u>Night work.</u> Construction activities such as geomembrane seaming, QA/QC testing of the geosynthetics or soil materials, surveying, etc. shall not be carried out during non-daylight hours without prior Department approval [Spec. 33 05 20-1.04.K.]. If these activities will be conducted during nighttime hours, the Department shall be notified at least 1 week in advance for schedule makeup, and 1 day for weather emergencies, to allow for Department observation [see Spec. 33 05 20-3.04.J.]. This notification shall include a description of the methods to be used to provide adequate illumination to ensure that the quality of the construction is not compromised.

f. Dewatering.

- 1) All excavations shall be maintained free from standing water. Except for the stormwater management system construction, no construction, including pipe laying, shall be allowed in water. In the event that it appears that the excavation is being impacted by groundwater, the contractor shall take the corrective actions necessary to demonstrate that the groundwater is sufficiently below the bottom of the excavation.
- 2) Required dewatering shall be conducted in accordance with the dewatering plan submitted in accordance with Specific Condition B.4.d(1).
- g. Sandbags or other temporary anchoring devices shall be removed prior to subsequent placement of materials over the geosynthetics.
- h. Where sod is used over lined areas, pegging of sod shall not damage the liner.
- i. All portions of the bottom liner system including leachate collection and detection system components, shall be observed and documented by the CQA Officer or CQA support personnel.

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SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.8., cont'd)

- j. CQA daily reports shall include weather conditions (e.g., precipitation, temperature).
- k. Runoff from stockpiled soils shall not discharge to surface water bodies or wetlands such that Department surface water standards are violated at the point of discharge.
- No solid waste shall be used for backfill.
- m. Monitoring wells shall be protected at all times during construction. In the event that a monitoring well is damaged, the Department shall be notified in accordance with Specific Condition C.6.b.
- 9. Laboratory and Field Testing Requirements. Field and laboratory testing during the construction activities shall be conducted by a qualified testing laboratory, independent of the manufacturer or installer, representing the owner. A qualified field technician representing the owner shall provide full time, on-site inspection during construction. The field technician shall work under the supervision of a professional engineer registered in the State of Florida with experience in landfill liner construction.

10. Soil Materials.

- a. Compaction.
 - 1). The subbase (material under biaxial reinforcing geogrid) shall be compacted to a minimum of 95% Standard Proctor maximum dry density. [Spec. 31 20 00-Table 31 20 00-1B] The subbase material shall meet the requirements of Specification Section 31 32 19-3.03.A.
 - 2) Compaction equipment used for proofing-rolling shall be a vibratory drum roller having a static at-drum weight of at least 10 tons capable of obtaining the densities specified [Spec. 31 20 00-3.03.C.].
- b. During the preparation of the subbase, the entire site shall be inspected under the direction of a geotechnical engineer and shall be evaluated for soils that may pump, rut or settle, or that would indicate soft or loose conditions. The permittee shall notify the Department within 24 hours of discovery of any such conditions and shall ensure that the foundation is geotechnically improved in these areas [Spec. 31 20 00-3.03].
- c. The protective cover soil shall have a minimum hydraulic conductivity of 5.2×10^{-4} cm/sec and shall be a minimum of 24-inches thick [ref. SC#A.2.a.(4), Detail 3, Sheet 9 of 19]. The frequency of permeability tests to be performed on the drainage sand material to demonstrate the required permeability shall be 1 per acre of protective cover soil [Spec. 31 20 00-Table 31 20 00-1].
- d. The leachate collection trench gravel shall be well-graded gravel that meets the requirements of Specification Parts 31 20 00-2.04 & 2.05.
- e. All laboratory tests required for the borrow sources for backfill, sand and gravel shall be done by an independent soils testing agency retained by the Owner.

(Specific Condition #B.10., cont'd)

- f. Soil CQA testing frequencies for the final subbase shall be doubled for the first five acres of liner system construction. Earthwork shall be tested by the CQAM for the tests and frequencies specified in Specification 31 20 00-Table 31 20 00-1.
- g. Soil cover material shall be placed over the geocomposite such that the geocomposite is not damaged and no tensile stress is induced in the materials.
- h. Prior to placement of materials on the subbase, an as-built topographic survey shall be provided to the Engineer to verify conformance with the Drawings and Specifications. The subbase shall be accepted by the Liner Installer and Engineer in writing before placement of the next layer.
- i. During the construction of, and until the GCL is placed on the subbase, the subbase shall be inspected daily for signs of desiccation, excessive moisture, or other damage. In the event that the condition of the subbase deteriorates, corrective actions shall be implemented immediately. Washouts or erosion of the subbase shall repaired immediately. The CQAM shall observe the condition of the subbase and note areas of inadequacy, erosion or other deterioration in the Daily Reports.
- j. Markers used to observe the depth of the protective soil cover shall be removed after use and shall not be abandoned in place.

11. Geosynthetic Materials.

- a. Conformance testing.
 - The CQA Consultant or designee (independent from the Contractor) shall take conformance samples of the geosynthetics materials in accordance with the test methods and frequencies referenced in Specific Condition B.11.a(3) below. In all cases, the test results shall meet or exceed the property values in the Specifications and CQA Plan.
 - 2) The geosynthetic materials shall not be accepted for use on the project until the results of the CQA conformance testing that indicate that the geosynthetics meet the specifications have been received.
 - 3) The geosynthetic materials shall conform to the following:
 - a) Biaxial reinforcing geogrid: Spec. 31 32 19-Table 31 32 19-2
 - b) GCL: Spec. 02 56 15-Table 3
 - c) Geomembrane [GM]: Spec. 33 05 20-Table 33 05 20-1
 - d) Bi-planar Geocomposite [BGDN]: Spec. 31 05 21-Tables 31-05-21-1 through 31-05-21-3
 - e) Tri-planar Geocomposite [TGDN]: Spec. 31 05 20- Tables 31-05-20-1 through 31-05-20-3
 - f) Uniaxial reinforcing geogrid: Spec. 31 32 19-Table 31 32 19-1
 - g) Non-woven geotextile: Spec. 31 05 19-2.01
 - 4) Certificates of Compliance from the Manufacturer are acceptable in lieu of CQA testing for the following properties: resin certificates for raw materials for geosynthetics, water vapor transmission rates through geomembranes, Oxidation Induction Time (OIT), general chemical compatibility ratings.

(Specific Condition #B.11., cont'd)

b. Prior to placement of the geomembrane, the GCL layer and/or biaxial geogrid layer shall be inspected and accepted by the geomembrane liner Installer and Engineer [CQAP, Sec. 6.1.3 & 6.5.8].

c. Seaming.

- 1) Seaming processes other than fusion or extrusion welding shall be approved by the Engineer and submitted to the Department prior to implementation.
- 2) Trial seam testing shall meet the requirements of Specification Section 33 05 20-3.05.A. Seaming apparatus or personnel which have failed trial welds shall not be used for seaming until passing welds are achieved.
- 3) Geomembrane seaming activities shall only be conducted during daylight hours and within the weather requirements of the Specifications, unless otherwise specifically approved by the Department. Seaming shall only take place with the "master seamer" present. No geomembrane seaming shall be performed unless the CQA manager/inspector is on-site.
- 4) The full-time resident CQA inspector shall observe no more than two geosynthetics seaming crews at any given time.
- 5) The procedure used to temporarily bond adjacent geomembrane panels together shall not damage the geomembrane. Solvent or adhesive shall not be used to bond geomembrane panels.
- 6) All seaming operations shall cease upon the presence of any precipitation (drizzle, sprinkle, fog, dew, etc.) [Spec. 33 05 20-3.04.I.].
- 7) On side slopes, seams shall be oriented parallel to the line of maximum slope, i.e., oriented along, not across the slope [Spec. 33 05 20-3.04.B.].
- 8) All geomembrane seams, including trial seams, shall have peel strength of 98 ppi for fusion welds and 78 ppi for extrusion welds, and must exhibit an FTB failure. Shear strength shall be 120 ppi for fusion and extrusion welds [Spec. 33 05 20-Table 33 05 20-2].

d. Destructive testing.

- 1) Destructive tests of the geomembrane seams shall be taken at random locations, at a minimum frequency of one test location per 500 feet of seam. This frequency shall not be based on an average throughout the entire facility [Spec. 33 05 20-3.05.B.1.].
- 2) In all cases destructive tests conducted on the geomembrane field seams shall demonstrate that the failure is outside of the seam area. Five specimens shall be tested for shear and peel. Four of the five specimens shall meet the minimum strength requirements for each test method (peel and shear) listed in Table 33 05 20-2 and all the specimens must exhibit an FTB failure [Spec. 33 05 20-3.05.B.6.]. The strength results shall not be averaged and both sides of fusion welds shall be tested.

(Specific Condition #B.11.d., cont'd)

- 3) Work shall not proceed with any materials which will cover locations which have been destructively tested or repaired until laboratory test results which demonstrate passing values are provided to the on-site CQA manager/inspector.
- 4) All areas that fail nondestructive testing shall be marked by the on-site CQA inspector.
- 5) All welds shall be tested in shear and peel. Geomembrane seams shall not be tested by "hand" exclusively.

e. Geocomposite Drainage Layer.

- 1) Transmissivity.
 - a) The transmissivity test results required by the Specifications shall be submitted to the Engineer for review before the proposed materials are approved for use on the project.
 - b) The transmissivity of tri-planar and bi-planar geocomposite shall be in accordance with the minimum transmissivities specified by and based upon the gradients and loads specified in Specification Sections 31 05 20 and 31 05 21, respectively. CQA conformance transmissivity testing shall be conducted on the actual materials that will be used in the project [ref Spec. 31 05 20- Tables 31-05-20-1 through 31-05-20-3; Spec. 31 05 21- Tables 31-05-21-1 through 31-05-21-3].
- 2) The geocomposite and geotextile shall be handled (stored, placed, etc.) in a manner which prevents the infiltration of dirt and protects the geocomposite and geotextile from abrasion, punctures and excessive moisture. Geocomposite or geotextile that are clogged by dirt shall be cleaned prior to placement.

f. Interface friction angles.

- 1) The minimum interface friction angles (peak) for the following interfaces shall be the following:
- GCL/biaxial geogrid and BGDN/uniaxial geogrid interfaces 12.0 degrees with no cohesion. [Spec. 02 56 15-2.02.H.; Spec. 31 32 19-2.02. F. & H.]
- GM/GCL, GM/TGDN, GM/BCDN, and GM/subbase soils interfaces 20.5 degrees with no cohesion. [Spec. 33 05 20-3.02.G. through J.]
- Uniaxial geogrid/protective soil layer interface 22.0 degrees with no cohesion. [Spec. 31 32 19-2.02.G.]

Deviation from this requirement shall require a permit modification and shall demonstrate that adequate slope stability will be achieved.

g. <u>Wrinkles</u>. The construction methods used shall minimize wrinkles in the geomembrane and geocomposites. Excessive wrinkles are wrinkles that fold over when stepped on or are at least 12 inches high. Excessive wrinkles shall be removed, and the areas repaired. Areas where wrinkles are removed shall be repaired and re-tested in accordance with the Specifications and COA Plan.

(Specific Condition #B.11., cont'd)

- h. The liner system shall not be damaged by excessive traffic.
- i. The geomembrane shall always be kept dry and protected from wind damage. Sandbags or other temporary anchoring devices shall be removed prior to subsequent placement of materials over the geosynthetics. Temporary loading and/or anchoring devices (such as sand bags) shall be removed prior to placing the next layer (i.e., geocomposite or soil) over the geomembrane.
- j. The CQA Officer and support personnel shall inspect the geosynthetic materials for imperfections, faulty work and suspect areas [CQAP, Sec 3.4].
- k. The geomembrane shall be clean at the time when it is examined for defects, and during testing of repairs.
- 1. Geocomposite Clay Layer.
 - The GCL shall have a saturated hydraulic conductivity of no greater than 5×10^{-9} cm/sec [Spec. 02 56 15-Table 3].
 - 2) The minimum internal friction angles (peak) for the GCL shall be **20.5 degrees** under fully hydrated conditions and the specified confining pressures [Spec. 02 56 15-2.02.J.]
 - 3) GCL that has become prematurely hydrated or has become hydrated with no confining pressure shall not be used on project.
 - 4) Prior to placement of the GCL on the bi-axial geogrid, the geogrid subgrade shall be accepted by the GCL liner Installer and Engineer [COAP, Sec. 6.1.3].
 - 5) The GCL shall be covered the same day as installed with the HDPE liner. Only the amount of GCL that can be anchored, inspected, repaired, and covered in the same day shall be installed each day [CQAP, Sec. 6.5.8].
- m. No geomembrane shall be placed in an area that has become softened by precipitation or desiccated and cracked due to lack of moisture. No standing water or excessive moisture shall be allowed on the area to be lined before the geomembrane installation.

12. Leachate collection and removal system.

- a. HDPE pipe or fittings shall not be dropped or crimped during loading, unloading or placement.
- b. Under no circumstances shall pipe be laid in water, and no pipe shall be laid when trench or weather conditions are unsuitable for such work.
- c. All non-pressurized (perforated and non-perforated) HDPE piping shall be jet cleaned and video inspected prior to final acceptance [Spec. 33 51 10-3.08]. The cleaning report and videotapes shall be provided as part of the Record Documents required in Specific Condition #B.3.
- d. All pressurized HDPE piping shall be pressure tested in accordance with Specification Section 33 51 10-3.06.

SPECIFIC CONDITIONS: PART C - Operation Requirements

1. Facility Operation Requirements.

- a. The permittee shall operate this facility in accordance with Chapter 62-701, F.A.C., and Operation Permit No. 21375-008-SO/01 [Phases 1, 1A, and 2] (including modifications, if any) or its successors.
- b. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner and leachate management systems at any time during the construction or operation of this facility.
- c. In no event shall waste be accepted for disposal in the Phase 3 portion of the Citrus County Central Class I Landfill or the vertical expansion over Phase 1A and 2 until the following requirements have been completed and submitted by the Permittee, and approved by the Department:
 - 1) Certification of Construction Completion requirements of Specific Conditions #B.2. and #B.3.,
 - 2) Financial assurance requirements of Specific Condition #D.4.c.,
 - 3) Construction of groundwater monitoring wells as required by Specific Conditions #E.5.,
 - 4) Completion of initial sampling of new monitoring wells as required by Specific Condition #E.5.
 - 5) Construction of the stormwater management system for Phase 3.
 - 7) Issuance of a separate permit or modification of Operation Permit No. 21375-008-SO/01 (including modifications, if any) or its successors that authorizes operation of **Phase 3** and **vertical expansion over Phases 1A and 2**. The separate permit or modification request shall include operational procedures for protecting the liner system particularly during the placement of the first layer of waste in Phase 3.
- 2. **Facility Personnel.** The owner or operator shall provide adequate personnel for constructing, operating, monitoring and maintaining the facility in an orderly, safe, and sanitary manner.
- 3. **Control of Access**. Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C.
- 4. Monitoring of Waste. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statutes or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition C.6.b. below.

SPECIFIC CONDITIONS: PART C - Operation Requirements

5. Control of Nuisance Conditions. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the construction so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

Facility Maintenance and Repair.

- a. The site shall be properly maintained including maintenance of access roads, equipment, stormwater and leachate management systems (including pumps and piping), cover systems and berms, gas venting and/or monitoring and management systems, surface water management system, and groundwater monitoring system. Erosion and ponded water within landfill footprint shall be minimized.
- b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharges, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall immediately (within 24 hours) notify the Department explaining such occurrence and remedial measures to be taken, method to prevent recurrence, and time needed for repairs. Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence. Routine maintenance does not require notification but shall be noted on daily reports.
- c. In the event that any portion of the groundwater monitoring system is damaged or unable to be sampled, corrective actions shall be completed within sixty (60) days of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #E.5.a., or as otherwise approved by the Department.
- d. In the event that the leachate management systems are damaged or are not operating effectively, corrective actions shall be initiated within thirty (30) days of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department.
- 7. **Stormwater Management.** The site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running on to waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., and the requirements for management and storage of surface water in accordance with Rule 62-701.500(10), F.A.C., to meet applicable standards of Chapters 62-3, 62-302, and 62-330, F.A.C. The stormwater management system shall be inspected for damage and proper operation daily.

8. Leachate Management.

a. Leachate shall be managed in accordance with the requirements of Operation Permit No. 21375-008-SO/01 (Phases 1, 1A, and 2) (including modifications, if any) or its successors, Rule 62-701.500(8), F.A.C., and other applicable Department rules.

PERMITTEE: Citrus County Board of County Commissioners Citrus Central Class I LF Phase 3 Construction

SPECIFIC CONDITIONS: PART D - Recordkeeping

- 1. **Report submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Fl. 33637-0926.
- 2. Operation Plan and Operating Record. Each landfill owner or operator shall have an operational (long-term care, monitoring and maintenance) plan. A copy of the Department approved permit, plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., shall be maintained at the site.
- 3. Waste Records. The permittee shall maintain all records required by the construction specifications, CQA Plan and this permit on-site during construction, and shall provide copies to the Department upon request, unless specified otherwise.
- 4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.
 - a. All costs for closure shall be adjusted and submitted **annually, by September 1st each year** to: Solid Waste Manager, Solid Waste Section,
 Department of Environmental Protection, 13051 North Telecom Parkway,
 Temple Terrace, Fl. 33637-0926.
 - b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, MS#4565, Tallahassee, Florida 32399-2400.
 - c. Proof of the initial funding of the financial assurance mechanism shall be submitted **no later than 60 days prior to** receipt of waste in the Phase 3 portion of the landfill.

PERMITTEE: Citrus County Board PERMIT NO: 21375-013-SC/01 of County Commissioners Citrus Central Class I LF Phase 3 Construction

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

1. Water Quality Monitoring Quality Assurance.

- All field work done in connection with the facility's Water Quality Monitoring Plan regarding the collection of ground water, surface water and leachate (influent, treated effluent, and treatment plant sludge) samples shall be conducted in accordance with the Standard Operating Procedures (SOPs) described in DEP-SOP-001/01 (March 31, 2008) [or as replaced by successor SOPs], as referenced in Rule 62-160.210(1), F.A.C. All laboratory analyses done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms that hold certification from the Department of Health, Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., as referenced in Rule 62-160.300(1), F.A.C. The SOPs utilized and the laboratory's list of certified test methods and analytes must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit. Alternate field procedures and laboratory methods may be used if approved according to the requirements of Rules 62-160.220 and 62-160.330, F.A.C., respectively.
- b. The field testing, sample collection and preservation, and laboratory testing, including the collection of quality control samples, shall be in accordance with methods approved by the Department in accordance with Rule 62-4.246 and Chapter 62-160, F.A.C. Approved methods published by the Department or as published in Standard Methods, A.S.T.M., or EPA methods shall be used.

2. Zone of Discharge.

- a. The zone of discharge shall extend horizontally 100 feet from the limits of the landfill disposal areas or to the property boundary, whichever is less, and shall extend vertically to the first semi-confining unit within the upper Floridan aquifer.
- b. The permittee shall ensure that the water quality standards for Class G-II ground water will not be exceeded at the boundary of the zone of discharge according to Rule 62-520.420(1), F.A.C., and that the ground water minimum criteria listed in Rule 62-520.400(1), F.A.C., will not be exceeded outside the footprint of the landfill disposal areas.

PERMITTEE: Citrus County Board of County Commissioners

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

3. **Ground Water Monitor Well Locations**. The ground water monitoring network is designed and constructed in accordance with the document entitled "Water Quality and Leachate Monitoring Plan," prepared by Jones Edmunds & Associates, Inc., dated November 2008 [ref. SC#A.2.a.(3)]. The ground water monitor wells are located on the figure entitled "Attachment 1, Site Plan," prepared by Jones Edmunds & Associates, Inc., received June 26, 2009 (attached), as follow:

	WACS Testsite			
Well No.	ID Number	Aquifer	Designation	Location
MW-1R *	165	Floridan	Background	See figure
MW-2	149	Floridan	Background	See figure
MW-3	150	Floridan	Background	See figure
MW-7	179	Floridan	Background	See figure
MW-10	22010	Floridan	Compliance	See figure
MW-11	22011	Floridan	Compliance	See figure
MW-12	22012	Floridan	Compliance	See figure
MW-13	22013	Floridan	Compliance	See figure
MW-14	22014	Floridan	Compliance	See figure
MW-15	22015	Floridan	Compliance	See figure
MW-17	22017	Floridan	Compliance	See figure
MW-20 **	23691	Floridan	Compliance	See figure
MW-18	22709	Floridan	Assessment	See figure
MW-19	22710	Floridan	Assessment	See figure
MW-6	168	Floridan	Intermediate	See figure
MW-4R	166	Floridan	Piezometer	See figure
MW-5	167	Floridan	Piezometer	See figure
MW-8R	180	Floridan	Piezometer	See figure
MW-9	181	Floridan	Piezometer	See figure
MW-16	22016	Floridan	Piezometer	See figure
MW-AA	169	Floridan	Piezometer	See figure
MW-B	65	Floridan	Piezometer	See figure
MW-E	171	Floridan	Piezometer	See figure
PZ-1	22711	Floridan	Piezometer	See figure
PZ-2	22712	Floridan	Piezometer	See figure

^{* =} the designation of existing well MW-1R will change from "background well" to "piezometer" upon initiation of waste disposal in the Phase 3 expansion area.

All wells are to be clearly labeled and easily visible at all times. The permittee should keep all wells locked to minimize unauthorized access.

^{** =} proposed compliance well MW-20 shall be installed prior to the initiation of waste disposal in the Phase 3 expansion area in accordance with the construction details provided in Attachment 2 of the document entitled "Water Quality and Leachate Monitoring Plan," prepared by Jones Edmunds & Associates, Inc., dated November 2008 [ref. SC#A.2.a.(3)]; documentation of well construction shall be prepared in accordance with Specific Condition #E.5.b., and #E.5.d.; an initial sampling event shall be conducted within 7 days of well installation and development for the parameters referenced in Specific Condition #E.5.c.; documentation of well construction details and the results of the initial sampling event shall be submitted as part of the certification of the Phase 3 construction completion [see SC#B.3.a.(9)].

PERMITTEE: Citrus County Board of County Commissioners Citrus Central Class I LF Phase 3 Construction

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

- 4. **Ground Water Sampling**. The locations, parameters, and frequencies specified herein represent the minimum requirements for ground water monitoring. Additional samples, wells, and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-520, F.A.C. Ground water samples for analysis of metals may be field-filtered if the criteria listed in the Department's 1994 technical document entitled Determining Representative Ground Water Samples, Filtered or Unfiltered are met, and shall be limited to the monitor wells that are screened in unconsolidated sandy sediments. Otherwise, compliance with ground water standards shall be based on the analysis of unfiltered samples.
 - a. Ground water levels shall be measured at all active wells and piezometers listed in Specific Condition No. E.3., during all sampling events described in Specific Condition Nos. E.4.b., E.4.c., and E.4.d., to a precision of 0.01 foot. The ground water surface contour maps prepared for each sampling event shall include ground water elevations (using a consistent, nationally recognized datum) calculated for each well and piezometer.
 - b. Prior to the initiation of waste disposal in Phase 3, routine ground water sampling shall be conducted at a semi-annual frequency at background wells MW-1R, MW-2, MW-3, and MW-7, and at compliance wells MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, and MW-17. Following the initiation of waste disposal in Phase 3, routine ground water sampling shall be conducted at a semi-annual frequency at background wells MW-2, MW-3, and MW-7, and at compliance wells MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-17, and MW-20. These semi-annual sampling events shall be conducted for analysis of the following parameters:

Field Parameters
Static water levels
before purging
Specific conductivity
pH
Dissolved oxygen
Temperature
Turbidity
Colors & sheens
(by observation)

Laboratory Parameters
Total ammonia - N
Chlorides
Iron
Mercury
Nitrate
Sodium
Total dissolved solids(TDS)
Those parameters listed in 40 CFR
Part 258, Appendix I

c. Intermediate well MW-6 shall be sampled **semi-annually** for analysis of the following parameters:

Field Parameters
Static water levels
before purging
Specific conductivity
pH
Dissolved oxygen
Temperature
Turbidity
Colors & sheens
(by observation)

Laboratory Parameters
Total ammonia - N
Chlorides
Iron
Mercury
Nitrate
Sodium
Total dissolved solids(TDS)
Those parameters listed in 40 CFR
Part 258, Appendix I
Fecal Coliform
Total Trihalomethanes

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SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

(Specific Condition #E.4., continued)

d. Assessment wells MW-18 and MW-19 shall be sampled **semi-annually** for analysis of the following parameters:

Field Parameters
Static water levels
before purging
Specific conductivity
pH
Dissolved oxygen
Temperature
Turbidity
Colors & sheens
(by observation)

Laboratory Parameters
Benzene
Methylene chloride
Vinyl chloride

- 5. **Ground Water Monitor Well Construction**. The following information shall be submitted within 90 days of installation of $\underline{\text{all}}$ new or replacement wells and piezometers, or as stated below:
 - a. <u>Prior to</u> construction of all new or replacement wells and piezometers (excluding proposed well MW-20) the permittee shall request and receive Department approval of a minor permit modification in accordance with Specific Condition No. A.3.a.
 - b. Construction details (record drawings) for <u>all</u> new or replacement wells and piezometers shall be provided to the Department's Southwest District Office on Department Form No. 62-522.900(3), Monitor Well Completion Form (attached) [or as replaced by Department Form No. 62-701.900(30].
 - c. Within one week of well completion and development, each new or replacement well shall be sampled for the parameters listed in Rules 62-701.510(8) (a) and (8) (d), F.A.C.
 - d. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitor wells and piezometers (active and abandoned) horizontally located in degrees, minutes and seconds of latitude and longitude, and the elevation of the top of the well casing and ground surface by the well casing to the nearest 0.01 foot, using a consistent, nationally recognized datum. The surveyed drawing shall include the monitor well identification numbers, locations and elevations of all permanent benchmarks and/or corner monument markers at the site. The survey shall be conducted by a Florida Licensed Professional Surveyor and Mapper.
- 6. Well Abandonment. All wells and piezometers not listed in Specific Condition No. E.3., and not a part of the approved Water Quality Monitoring Plan are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the rules of the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing well/piezometer locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well/piezometer abandonment within 30 days of abandonment. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

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SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

- 7. Verification/Evaluation Monitoring. If at any time monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's water quality standards or minimum criteria in any detection well, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis as representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department in writing within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring as described in Rule 62-701.510(7)(a), F.A.C. If monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's water quality standards or minimum criteria in any compliance well, the permittee shall submit a preventive measures plan and initiate corrective action as described in Rule 62-701.510(7)(b), F.A.C.
- 8. Surface Water Sampling. All surface water bodies that may be affected by a contaminant release at the facility shall be monitored, except bodies of water contained completely within the property boundaries of the site which do not discharge from the site to surface waters (Rule 62-701.510(4), F.A.C.). It is not anticipated that the existing stormwater management system will discharge from the property. However, in the event that surface water discharge occurs from the stormwater management system, representative samples of each discharge event shall be collected for analysis of the parameters listed in Specific Condition No. E.8.b. In the event that any modifications to the stormwater management system associated with future uses of the landfill result in periodic surface water discharges from the property, the Department may require the implementation of routine surface water monitoring.
 - a. The locations, parameters, and frequencies specified herein represent the minimum requirements for surface water monitoring. Additional sampling locations and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the surface water criteria established for the individual parameters to demonstrate compliance with Class III surface water (predominantly freshwater) referenced in Chapter 62-302, F.A.C. Compliance with surface water criteria will be based on analysis of unfiltered samples.
 - b. Surface water sampling shall be conducted **per discharge event** in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(4) and 62-701.510(6)(e), F.A.C. The Solid Waste Section of the Department shall be notified of the occurrence of each discharge event within 24 hours of discovery. Surface water samples shall be analyzed for the following parameters:

Field parameters	Laboratory p	
Specific conductivity	Unionized ammonia	Total organic carbon (TOC)
Hq	Total hardness	Total nitrogen
Dissolved oxygen	Total phosphates	Chemical oxygen demand (COD)
Turbidity	Chlorophyll A	Fecal coliform
Temperature	Copper	Biochemical oxygen demand (BOD5)
Colors and sheens	Iron	Total dissolved solids (TDS)
(by observation)	Mercury	Total suspended solids (TSS)
,,	Nitrate	Zinc
	Parameters listed in 40 (CFR Part 258, Appendix I

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SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

9. Leachate Sampling.

- Leachate Influent Sampling. Grab samples of leachate influent (unfiltered) shall be collected from the master lift station for Phases 1/1A (WACS testsite ID No. 172), from the Phase 2 primary pump sampling port (WACS testsite ID No. 21790), and from the sampling port at the top of the side slope riser pipes for Phase 3 (WACS testsite No. 23692) to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C. The leachate influent sampling points are located on the figure entitled "Attachment 1, Site Plan," prepared by Jones Edmunds & Associates, Inc., received June 26, 2009 (attached). The leachate influent samples collected from the master lift station for Phases 1/1A, the primary pump sampling port for Phase 2, and the sampling port for Phase 3 may be composited except that individual samples shall be collected from each location for analysis of volatile organic compounds.
 - 1) **Annual** leachate influent sampling shall be conducted for analysis of the following parameters:

Field Parameters
Specific conductivity
pH
Dissolved oxygen
Colors & sheens
(by observation)

Laboratory Parameters
Total ammonia - N
Bicarbonate
Chlorides
Iron
Mercury
Nitrate
Sodium
Total dissolved solids (TDS)
Those parameters listed in 40 CFR
Part 258, Appendix II

- 2) If the annual leachate influent analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate monthly sampling and analysis of the parameters listed in Specific Condition No. E.9.a.(1), and shall notify the Department in writing in accordance with Specific Condition No. C.6.b. If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.
- b. Leachate Treatment Plant Effluent Sampling. Grab samples of treated leachate effluent (unfiltered) shall be collected at the discharge from the chlorine contact tank (WACS Testsite ID No. 175) as shown on the figure entitled "Attachment 1, Site Plan," prepared by Jones Edmunds & Associates, Inc., received June 26, 2009 (attached), to comply with the ground water standards and minimum criteria referenced in Rules 62-520.420(1) and 62-520.400(1), F.A.C., respectively, with the exception of sodium, chloride and total dissolved solids (TDS). These three parameters shall meet the standards referenced in Rule 62-520.420(1), F.A.C., at the edge of the zone of discharge along the western property boundary (as described in SC#E.2.a.).
 - 1) Leachate effluent shall be sampled at the frequency listed in Specific Condition No. E.9.b.(2), and the analytical results shall be submitted quarterly, as follows: Quarter 1 results shall be submitted by April 15th; Quarter 2 by July 15th; Quarter 3 by October 15th; and, Quarter 4 by January 15th.

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

(Specific Condition #E.9.b., continued)

2) Leachate effluent samples shall be collected for analysis of the following parameters [ref. SC#A.2.a.(2)]:

Parameter	Unit	Minimum	Maximum	Frequency
Flow	gpd	N/A	30,000	Daily
Hq	STD UNITS	6.00	8.50	Daily
CBOD ₅	mg/l	N/A	20	Monthly
TSS T	mg/l	N/A	20	Monthly
Nitrate - N	mg/l	N/A	10	Monthly
Chloride	mg/l	N/A	N/A	Quarterly
Sodium	mg/l	N/A	N/A	Quarterly
TDS	mg/l	N/A	N/A	Quarterly
Total ammonia - N	mg/L	N/A	2.8	Quarter1y
Benzene	μ g /1	N/A	1	Quarterly
Toluene	μg/l	N/A	40	Quarterly
Ethylbenzene	μg/l	N/A	30	Quarterly
Total Xylenes	μg/1	N/A	20	Quarterly
Vinyl Chloride	μg/L	N/A	1	Quarterly
Ethylene dibromide (EDB)	μg/l	N/A	0.02	Quarterly
Total Trihalomethanes	μ g/1	N/A	100	Semi-annually*
Arsenic	mg/l	N/A	0.01	Annually
Barium	mg/l	N/A	2	Annually
Cadmium	mg/l	N/A	0.005	Annually
Chromium	mg/l	N/A	0.1	Annually
Iron	mg/1	N/A	0.3	Annually
Mercury	mg/l	N/A	0.002	Annually
Lead	mg/l	N/A	0.015	Annually
Selenium	mg/1	N/A	0.05	Annually
Silver	mg/l	N/A	0.1	Annually

^{* =} to be conducted concurrently with the semi-annual ground water sampling events described in Specific Condition Nos. E.4.b., and E.4.c.

If in any two consecutive months of leachate effluent sampling, the same listed parameter exceeds the regulatory level, the permittee shall immediately cease discharge into the percolation ponds and provide off-site disposal for its leachate and/or effluent, until acceptable leachate treatment is again demonstrated and until on-site discharge into the percolation ponds is again approved by the Department.

- 3) Annually, the leachate effluent shall be analyzed for the parameters listed in 40 CFR Part 258, Appendix I, however the effluent shall be analyzed for the parameters listed in 40 CFR Part 258, Appendix II during the annual sampling event conducted prior to permit renewal.
- c. Leachate Treatment Plant Sludge Sampling. Waste sludge from the leachate treatment plant shall be sampled and analyzed **annually** using Department SOPs for the following parameters:
 - Toxicity Characteristic Leaching Potential Test (TCLP) for the organics, metals and pesticides listed in 40 CFR Part 261.24, Table 1
 - pH (standard units)
 - Solids (percent)

Waste sludge that is not classified as hazardous waste (Rule 62-730.030, F.A.C.) may be disposed in the Class I landfill. Based upon the results of the analyses, the Department may require further testing and alternative disposal to assure compliance with all Department rules and regulations. The Department shall be notified within thirty (30) days of alternative sludge disposal activities.

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SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

- Water Quality and Leachate Reporting Requirements. The results of each water quality sampling event conducted at the facility to comply with the Specific Conditions of this permit shall be included in Electronic Data Deliverable (EDD) reports that include:
 - Required water quality monitoring reports and all analytical results shall be submitted electronically. Water quality monitoring reports shall be submitted in Adobe pdf file format. The water quality EDD shall be provided to the Department in an electronic format consistent with requirements for importing the data into the Department's databases as summarized on the Department's web site at:

ftp://ftp.dep.state.fl.us/pub/WACS-ADaPT. Water quality monitoring reports shall be signed and sealed by a Florida registered professional geologist or professional engineer with experience in hydrogeological investigations and shall provide the information required by Rules 62-701.510(9)(a)1 through 62-701.510(9)(a)10, F.A.C., including:

- 1. Cover letter;
- 2. Summary of exceedances and recommendations;
- 3. Ground water contour maps;
- 4. Chain of custody forms;
- 5. Water levels, water elevation table;
- 6. Ground Water Monitoring Report Certification, using the appropriate Department form;
- 7. Appropriate sampling information on Form FD 9000-24 (DEP-SOP-001/01); and,
- 8. Laboratory and Field data and error logs, as applicable. [In addition to the Adobe pdf file format, this data and associated error logs shall be submitted in an ADaPT-compatible, comma separated text file format.]

The report of results shall be submitted to:

- Department of Environmental Protection, Southwest District Office, Solid Waste Section, 13051 North Telecom Parkway, Temple Terrace, FL 33637-0926; and,
- Department of Environmental Protection, Solid Waste Section 2600 Blair Stone Road, MS 4565, Tallahassee, FL 32399-2400.
- The permittee shall submit to the Department the results of analyses reported for each sampling event conducted at the facility by the following due dates:
 - 1. Specific Conditions #E.4.b., #E.4.c., #E.4.d. results of ground water routine semi-annual sampling events shall be submitted within 60 days from completion of laboratory analyses and no later than January 15th and July 15th of each year for the periods July 1-Dec. 31, and Jan. 1-June 30, respectively;
 - 2. Specific Condition #E.5.c. results of ground water "initial sampling events" shall be submitted within 60 days from completion of laboratory
 - 3. Specific Condition #E.7. results of ground water verification events shall be submitted within 60 days from completion of laboratory analyses;
 - 4. Specific Condition #E.8.b. results of surface water "discharge sampling events" shall be submitted within 60 days from completion of laboratory analyses;

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SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

(Specific Condition #E.10.b., continued)

- 5. Specific Condition #E.9.a.(1) results of leachate influent routine annual sampling events shall be submitted within 60 days from completion of laboratory analyses and no later than January 15th of each year for the periods Jan. 1-Dec. 31;
- 6. Specific Condition #E.9.a.(2) results of leachate influent monthly sampling events shall be submitted within 60 days from completion of laboratory analyses;
- 7. Specific Condition #E.9.b.(1) results of leachate effluent periodic sampling events [see SC #E.9.b.(2)] shall be submitted within 60 days from completion of laboratory analyses and no later than January 15th, April 15th, July 15th and October 15th of each year for the periods Oct. 1-Dec. 31, Jan. 1-Mar. 31, Apr. 1-June 30, and July 1-Sep. 30, respectively;
- 8. Specific Condition #E.9.b.(3) results of leachate effluent routine annual sampling events shall be submitted within 60 days from completion of laboratory analyses and no later than January 15th of each year for the periods Jan. 1-Dec. 31; and,
- 9. Specific Condition #E.9.c. results of leachate treatment plant sludge sampling events shall be submitted within 60 days from completion of laboratory analyses and no later than January 15th of each year for the periods Jan. 1-Dec. 31.
- 11. Monitoring Plan Evaluation. The permittee shall submit evaluations of the water quality and leachate monitoring data in accordance with the requirements of permit No. 21375-008-SO/01 (including modifications) or successor operating permit.

PERMITTEE: Citrus County Board of County Commissioners Citrus Central Class I LF Phase 3 Construction

SPECIFIC CONDITIONS: PART F - Landfill Gas Management

[Landfill gas requirements are provided in Operation Permit No. 21375-008-SO/01, (including modifications, if any) or its successors.]

SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements

1. Closure Requirements.

- a. Long-Term Care Requirements.
 - 1) The owner or operator shall perform long-term care for the site in accordance with Rule 62-701.620, F.A.C., and the conditions of Operation Permit No. 21375-008-SO/01 (Cells 1, 1A, and 2) (including modifications, if any) or its successors.
 - 2) Long-term care includes, but is not limited to, water quality, leachate and gas monitoring, maintenance of the final cover system, maintenance of the leachate collection and removal system, erosion control, and the prevention of ponding within disposal areas.
- b. Closing Requirements.
 - 1) No later than ninety (90) days prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, in order to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.

2. Use of Closed Landfill Areas.

- a. Current approved uses of closed portions of the Citrus County Central Landfill are provided in Operation Permit No. 21375-008-SO/01, (including modifications, if any) or its successors.
- b. Proposed uses of closed landfill areas shall be authorized in accordance with Specific Condition #G.2.b. of Operation Permit No. 21375-008-SO/01, (including modifications, if any) or its successors.
- 3. **Final Cover.** Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.

Executed in Hillsborough County, Florida.

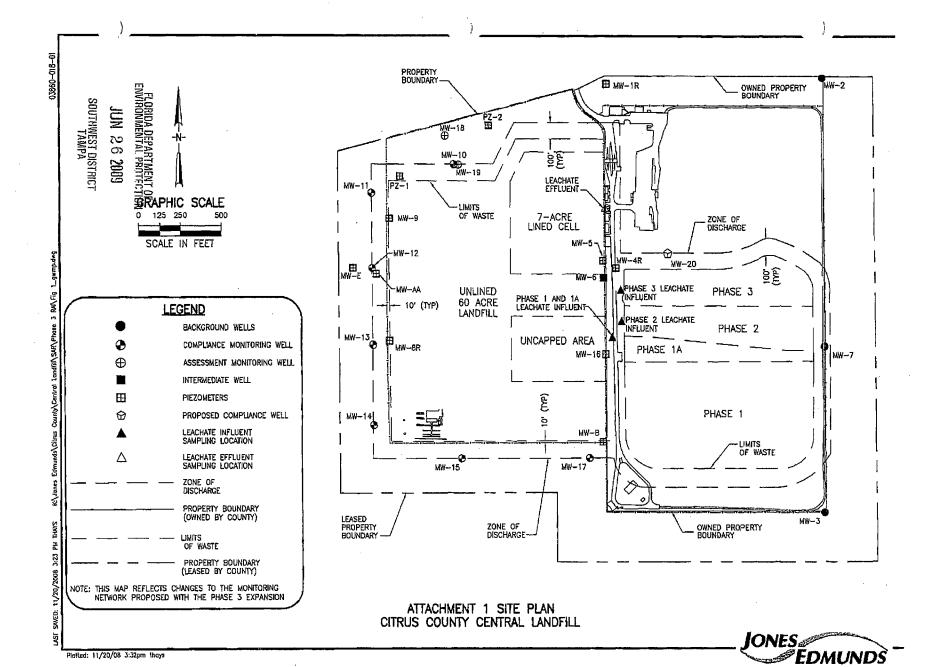
STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Deborah A. Getzoff District Director

Southwest District

	ATTACH	ENT 1
Specific Condition	Submittal Due Date	Required Item
A.4.	On or before April 1, 2014	Notification of date of permit renewal application submittal
	No later than August 1, 2014	Submit application for permit renewal
A.9.a.	Within 24 hours of discovery	Notification of sinkholes or subsurface instability
	Within 7 days of verbal notification	Written notification & corrective action plan
B.2.a.	Within 60 days of completion	Submit certification of construction completion, record drawings, etc.
B.4.a.	At least 30 days prior to construction	Submit complete plans, specification, CQA plan, or statement that no changes have occurred, org. chart with parties/roles, etc.
B.4.b.	At least 30 days prior to installation of the liner	Submit interface friction testing results
B.4.c.	No later than 2 weeks prior to construction	Notify of tie-in construction, non-standard seaming methods, construction of bottom liner tie-ins with Phase 2.
B.4.e.	At least 7 days prior	Submit dewatering plan, drainage sand permeability tests
B.4.f.	At least 72 hours prior	Notify of spark testing
в.5.	At least 1 week prior	Notify of preconstruction meeting
B.6.a.	No later than 1 week after pre-construction meeting	Submit meeting minutes
B.6.b.	Monthly, by the 15 th each month	Submit monthly progress report & schedule
B.8.e.	At least 1 week prior for schedule makeup and 1 day prior for weather emergencies	Notify of night work
B.10.c.	Within 24 hours of discovery	Notify of discovery of soils requiring geotechnical improvement
C.6.b.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of: sinkholes, failure of landfill systems or equipment, etc. Written notification & corrective action plan
C.6.c.	Within 60 days of notification	Corrective actions completed for dry or damaged wells
C.6.d.	Within 30 days of notification	Corrective actions completed for leachate management system

	ATTACH	MENT 1
Specific Condition	Submittal Due Date	Required Item
D.4.a.	Annually, by September 1 st each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding
D.4.c.	No later than 60 days prior to receipt of waste	Submit proof of initial funding for Phase 3
E.4.b.	Semi-annually	Sample background and compliance wells
E.4.c.	Semi-annually	Sample well MW-6
E.4.d.	Semi-annually	Sample assessment wells
E.5.a., E.5.b., E.5.d.	Within 90 days of installation of new wells	Request permit modification, provide construction details for wells, submit survey
E.5.c.	Within 1 week of well completion and development	Conduct initial sampling
E.6.	Within 30 days of abandonment	Submit documentation of abandonment
E.8.b.	Each discharge event	Conduct surface water sampling
E.9.b(1)	Quarterly, by Jan. 15 th , April 15 th , July 15 th , and Oct. 15 th each year	Submit results of routine leachate effluent sampling events
E.10.b.	Within 60 days from completion of laboratory analyses	Submit results of: - Ground water initial sampling - Ground water verification sampling - Surface water discharge sampling - Leachate influent monthly sampling
E.10.b.	Semi-annually, by Jan. 15 th and July 15 th each year	Submit results of ground water routing sampling (SC#E.4.b., #E.4.c., #E.4.d.)
	Annually, by Jan. 15 th each year	Submit results of leachate influent, effluent and sludge analyses (SC#E.9.a(1), #E.9.b(3), #E.9.c.)



DEP Form # 62-520.900(3)
Form Title MONITORING WELL COMPLETION REPORT
Effective Date July 12, 2009
DEP Application No(Filled in by DEP)
(7.1108 11.0) O.E. /

Florida Department of Environmental Protection

Bob Martinez Center, 2600 Blair Stone Road Tallahassee, Florida 32399-2400

MONITORING WELL COMPLETION REPORT

PART I: GENERAL INFO	DRMATION				
Well ID:	Site Name:				Well Install Date
Facility ID	Alternate ID)	FLUWID#	!	WMD Permit #
Well Purpose 🗋 Bac	kground	Intermediate	☐ Compliar	nce Other (explain)
Latitude (to nearest 0.1 se	econds)		Longitude	(to nearest 0.1	seconds)
Latitude and Longitude co		od: DGPS	☐ AGPS	☐ MAP ☐ ZI	PCODE DPHO
PART II: WELL CONSTR	RUCTION DET	AILS			
Contractor Name					Contractor License #
Company Name					
Construction Method: Water/Mud Rotary Other (describe)		m Auger □ S Cable Tool □			Aquifer Monitored
Top of Casing Elevation (NVGD or NAV	'D)	Ground St	urface Elevatio	n (NVGD or NAVD)
			1. 1. 1		
Material	Inside Diameter	Outside Diameter	From	pth (ft.)	-41
				1.5	
		e je to je to			
Material	Inside	Outside		pth (ft.)	Slot Size
	Diameter	Diameter	From	То	
	·				
Material insteading	Size of	Amount (#		pth (ft.)	Installation Method
Material including additives for sealant	Size of			-, -, -, -, -, -, -, -, -, -, -, -, -, -	I installation Method
annitives in segiani	Material	of bags)	From	To	
additives for sealarit	Material	of bags)	From	To	
additives for sealant	Material	of bags)	From	To	
additives for search	Material	of bags)	From	To	

PART III: WELL DEVELO	OPMENT DETAILS		
Well Development Date	Well Development Method Other (explain)	l: Surge/Pump [Pump Compressed Air
Development Duration			
Pumping Rate	Maximum Drawdown	Well Purged Dry	Pumping Condition
		□ yes □ no	continuous intermittent
Turbidity (if Measured):		<u> </u>	Stabilized Water Level (BLS)
Start:	End:		7
	and odor) at start of develop	ment:	•
Water appearance (color a	and odor) at end of developm	nent:	
	·		
Report Prepared By:			Date
Title/Company			License #
Title: Company		- ·········	2.00.100 11
	•		
PLEASE ATTACH BORIN	IG LOG	•	
Remarks			
			·
		·	
		·	

Attachment 1-3

Citrus County Class I Central Landfill Phase 3 Expansion Project ERP Number 09-0291076-001 Dated June 22, 2009



Florida Department of Environmental Protection

Southwest District Office I305I North Telecom Parkway Temple Terrace, Florida 33637-0926

JUN 2 2 2009

09207049.02 ERP Phase 3 Charlie Crist Exp. Governor Permit

Jeff Kottkamp Lt. Governor

Michael W. Sole Secretary

Susan J. Metcalfe, P.G Citrus County Solid Waste Management Division Director P.O. Box 340 Lecanto, FL 34460

Dear Ms. Metcalfe:

Enclosed is the Environmental Resource Permit, DEP Project No. 09-0291076-001, issued pursuant to Part IV of Chapter 373, Florida Statutes, and Title 62, Florida Administrative Code.

Appeal rights for you and for any affected third party are described in the text of the permit along with conditions, which must be met when authorized activities are undertaken.

You, as the agent, are responsible for all aspects of permit compliance. You should therefore review this permit document carefully to ensure compliance with the general conditions, and specific conditions contained herein.

Please be aware of permit specific condition number 6 which states:

Subsequent to the selection of the contractor to perform the authorized activity and prior to the initiation of work authorized by this permit, the permittee, (or authorized agent) and the contractor, shall attend a pre-construction conference with a representative of the Department's Submerged Lands and Environmental Resources staff. The permittee shall notify the Department in writing subsequent to contractor selection to request scheduling of the subject conference,

If you have any questions about this document, please contact me at (813) 632-7600, ext. 393.

Thank you for your participation in the permit process and in managing the natural resources of the State of Florida.

Sincerely yours,

R. Douglas Hyman, P.E.

Environmental Resource Permitting

Enc: Environmental Resource Permit with attachments (31 pages)

SCS ENGINEERS

JUN 2 3 2009

"More Protection, Less Process" www.dep.state.fl.us



Jeff Kollkamp Lt. Governor

Michael W. Sole Secretary



Environmental Protection Southwest District Office

13051 North Telecom Parkway Temple Terrace, Florida 33637-0926

ENVIRONMENTAL RESOURCE PERMIT

Florida Department of

PERMITTEE/AUTHORIZED ENTITY:

Susan J. Metcalfe, P.G. Citrus County Solid Waste Management Division Director P.O. Box 340 Lecanto, FL 34460

Permit/Authorization Number: 09-0291076-001

Expiration Date of Construction Phase: '

JUN 2 2 2014

Date of Issue: MIN 2 2 2009

County: Citrus

Project: Citrus County Central Landfill, Phase 3 Expansion

This project requires an Individual Permit. The Department has the authority to issue this permit per the following references:

Part IV of Chapter 373, Florida Statutes (F.S.) Chapter 62-330 and 62-343, Florida Administrative Code (F.A.C.) Operating Agreements with the water management districts in Chapter 62-113, F.A.C.

This permit also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Management Act.

This permit also constitutes certification of compliance with water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341.

As staff to the Board of Trustees, the Department has reviewed the activity described below, and has determined that the activity is not on state-owned submerged lands. Therefore, your project is exempt from the further requirements of Chapter 253, Florida Statutes.

This permit is subject to the limits, conditions, and locations of work shown in the attached drawings, and is also subject to the attached 25 General Conditions and 19 Specific Conditions, which are a binding part of this permit. You are advised to read and understand these drawings and conditions prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these drawings and conditions prior to commencing the authorized activities. Failure to comply with all drawings and conditions shall constitute grounds for revocation of the permit and appropriate enforcement action.

09207049.02 ERP Perit.



Submerged Lands & Environmental Resource Permitting (SLERP)

13051 N. Telecom Parkway, Temple Terrace, FL 33637

Fax Transmittal Form

Date: 6/3/09 Pages: 2 (including cover)
To: Ms. Dominique Blambell, P.E.
ax # 8136236757
From: D. Hyman
Submerged Lands and Environmental Resource Permitting
Phone # (813) 632-7600, ext
SC 514-9155, ext
Fax # (813) 632-7672
Subject: Popmi + No 09-0292195-001
comments: we corrected the 15500 & aproachen Late on the 1.
##



Florida Department of **Environmental Protection**

Southwest District Office 13051 North Telecom Parkway Temple Terrace, Florida 33637-0926 Charlie Crist Governor

Jeff Kottkamp Lt. Governor

Michael W. Sole Secretary

ENVIRONMENTAL RESOURCE PERMIT

PERMITTEE/AUTHORIZED ENTITY:

Susan J. Metcalfe, P.G. Citrus County Solid Waste Management Division Director P.O. Box 340 Lecanto, FL 34460

Permit/Authorization Number: 09-0291076-001

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As staff to the Board of Trustees, the Department has reviewed the activity described below, and has determined that the activity is not on state-owned submerged lands. Therefore, your project is exempt from the further requirements of Chapter 253, Florida Statutes.

This permit is subject to the limits, conditions, and locations of work shown in the attached drawings, and is also subject to the attached 25 General Conditions and 19 Specific Conditions, which are a binding part of this permit. You are advised to read and understand these drawings and conditions prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these drawings and conditions prior to commencing the authorized activities. Failure to comply with all drawings and conditions shall constitute grounds for revocation of the permit and appropriate enforcement action.

Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and with the general and specific conditions of this permit / certification / authorization, as specifically described below.

You are hereby advised that authorizations also may be required by other federal, state, and local entities. This authorization does not relieve you from the requirements to obtain all other required permits and authorizations.

SPGP REVIEW - NOT APPROVED

A copy of this authorization has also been sent to the U.S. Army Corps of Engineers (USACOE) for review. The USACOE may require a separate permit. Failure to obtain this authorization prior to construction could subject you to enforcement action by that agency.

ACTIVITY DESCRIPTION:

This project is to modify an existing surface water management system (SWMS) in order to provide pre-treatment and attenuation for non-contact stormwater runoff from 43.98 acres of solid waste cells including a perimeter access road located in an existing 80 acre Class I solid waste facility. A new 7-acre Phase III expansion area which includes 0.78 acres of impervious surface, will be developed within the 43.98 acre area as a northward expansion.

The existing SWMS consists of dry grassed drainage channels located along the perimeter of the 43.98 acres, and dry retention pond (DRA-5) located along the southern boundary of the 43.98 acres. The modifications to the existing system shall consist of the construction and implementation of a new perimeter conveyance along the northern boundary of the 7-acre Phase III expansion area that will replace the existing conveyance that will be filled in by the expansion, and a new box culvert under the access road on the west side of the Phase III expansion area. Modifications to the DRA-5 will include the construction and implementation of three trapezoidal spreader swales that will allow for the direct conveyance of stormwater runoff from the south face of the existing solid waste cells to the DRA-5, the addition of DRA turf grass on an as-needed basis for the life of the facility, and an emergency spillway. No deepening or lateral expansion of the DRA-5 is authorized.

The SWMS will retain an 11.25-inch, 24-hour / 100-year storm without discharge. An emergency overflow structure will control any discharge from the pond in the event of overflow. No impacts to wetlands or other surface waters are proposed or authorized. No activity will take place within the 100-year flood plain.

ACTIVITY LOCATION:

The activity is located at the Citrus County Central Landfill, located at 230 Gulf to Lake HWY, City of Lecanto in Section 1, Township 19 South, Range 18 East, Citrus County.

GENERAL CONDITIONS:

- 1. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
- 2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
- 3. Activities approved by this permit shall be conducted in a manner which does not cause violations of state water quality standards. The permittee shall implement best management practices for erosion and a pollution control to prevent violation of state water quality standards. Temporary erosion control shall be implemented prior to and during construction and permanent control measures shall be completed within 7 days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
- 4. Water quality data for the water discharged from the permittee's property or into the surface waters of the state shall be submitted to the Department as required by the permit. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency. If water quality data are required, the permittee shall provide data as required on volumes of water discharged, including total volume discharged during the days of sampling and total monthly volume discharged from the property or into surface waters of the state.
- 5. Department staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the Department as a permit prior to the dewatering event as a permit modification. The permittee is advised that the rules of the Southwest Florida Water Management District state that a water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.
- 6. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily

or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.

- 7. Off site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operation schedules satisfactory to the Department.
- 8. The permittee shall complete construction of all aspects of the surface water management system, including wetland compensation (grading mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.
- 9. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:
 - a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.
 - b. Any existing septic tanks on site shall be abandoned at the beginning of construction.
 - c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.
- 10. All surface water management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property.
- 11. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the Department a written notification of commencement using an "Environmental Resource Permit Construction Commencement" notice (Form No. 62-343.900(3), F.A.C.) indicating the actual start date and the expected completion date.
- 12. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.
- 13. Within 30 days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required Citrus County Central Landfill, Phase 3 Expansion

"Environmental Resource Permit As-Built Certification by a Registered Professional" (Form No. 62-343.900(5), F.A.C.), and "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" (Form 62-343-900(7), F.A.C.). Additionally, if deviations from the approved drawings are discovered during the certification process the certification must be accompanied by a copy of the approved permit drawings with deviations noted.

- 14. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the approved project area(s), may constitute grounds for revocation or enforcement action by the Department, unless a modification has been applied for and approved. Examples of substantial deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.
- 15. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the conditions herein, the Department determines the system to be in compliance with the permitted plans, and the entity approved by the Department accepts responsibility for operation and maintenance of the system. The permit may not be transferred to the operation and maintenance entity approved by the Department until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the Department, the permittee shall request transfer of the permit to the responsible operation and maintenance entity approved by the Department, if different from the permittee. Until a transfer is approved by the Department pursuant to Section 62-343.110(1)(d), F.A.C., the permittee shall be liable for compliance with the terms of the permit.
- 16. Should any other regulatory agency require changes to the permitted system, the Department shall be notified of the changes prior to implementation so that a determination can be made whether a permit modification is required.
- 17. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations including a determination of the proposed activities' compliance with the applicable comprehensive plan prior to the start of any activity approved by this permit.
- 18. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40D-4 or Chapter 40D-40, F.A.C.
- 19. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining

any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

- 20. The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.
- 21. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under section 373.421(2), F.S., provides otherwise.
- 22. The permittee shall notify the Department in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of section 62-343.130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.
- 23. Upon reasonable notice to the permittee, Department authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with Department rules, regulations and conditions of the permits.
- 24. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the Department and the Florida Department of State, Division of Historical Resources.
- 25. The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

SPECIFIC CONDITIONS:

- 1. The permittee shall notify the Department in writing at least 48 hours prior to commencing the work authorized in this permit (see General Condition #11).
- 2. Submittals required herein shall be directed to:

Department of Environmental Protection Environmental Administrator Environmental Resource Management Program Southwest District 13051 North Telecom Parkway Temple Terrace, FL 33637-0926 hereafter referred to as "the Department". Submittals include, but are not limited to, record drawings, progress reports, mitigation monitoring reports and water quality monitoring reports. Submittals shall include the permittee's name and permit number.

- 3. The permittee shall be aware of and operate under number 1 through 25 of the aforementioned "General Conditions". The General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.
- 4. The structure/work authorized by this permit shall not be placed/conducted on any property, other than that owned by the permittee, without the prior written approval of that property owner.
- 5. In the event the permittee files for bankruptcy prior to completion of work permitted and required by this permit, the permittee must notify the Department within 30 days of filing. The notification shall identify the bankruptcy court and case number and shall include a copy of the bankruptcy petition.
- 6. Subsequent to the selection of the contractor to perform the authorized activity and prior to the initiation of work authorized by this permit, the permittee, (or authorized agent) and the contractor, shall attend a pre-construction conference with a representative of the Department's Submerged Lands and Environmental Resources staff. The permittee shall notify the Department in writing subsequent to contractor selection to request scheduling of the subject conference.
- 7. Progress reports for the project shall be submitted to the Department beginning:
 October 1, 2009, and shall continue to be submitted semi-annually until construction of
 the permitted project and mitigation creation is completed. The cover page shall indicate
 the permit number, project name and the permittee name. Progress reports must be
 submitted to the Department if there is no ongoing construction. Reports shall include
 the current project status and the construction schedule for the following six months. The
 report shall include the following information:
 - a. Date permitted activity was begun; if work has not begun on-site, please indicate.
 - b. Brief description and extent of the work (i.e., monitoring, management, maintenance) completed since the previous report or since the permit was issued. Show on copies of the permit drawings those areas where work has been completed.
 - c. Brief description and extent of the work (i.e., monitoring, management, maintenance) anticipated in the next six months. Indicate on copies of the permit drawings those areas where it is anticipated that work will be done.
 - d. This report shall include on the first page, just below the title, the certification of the following statement by the individual who supervised preparation of the

report: "This report represents a true and accurate description of the activities conducted during the six month period covered by this report."

8. The permittee shall submit two copies of signed, dated and sealed as-built drawings to the Department for review and approval within 30 days of completion of construction. The as-built drawings shall be based on the Department permitted construction drawings, which should be revised to reflect changes made during construction. Both the original design and constructed elevation must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawings. Surveyed dimensions and elevations required shall be verified and signed, dated and sealed by a Florida registered surveyor or engineer. As-builts shall be submitted to the Department regardless of whether or not deviations are present. In addition to the "As-built Certification" form; the permittee shall submit the "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" form as required in General Condition #13.

The following information shall be verified on the as-built drawings from the engineering drawings signed and sealed by Dominique H. Bramlett, P.E., #61829, on March 19, 2008.

Plan View/Cross-Section	Drawing Number
Final Closure Plan	3
Sections	4
Details – 1	5
Details – 4	8
Details – 5	9
Stormwater Box Culvert Details	10

EROSION CONTROL CONDITIONS:

- 9. Best management practices for erosion control shall be implemented prior to construction commencement and shall be maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards pursuant to Rule 62-302, F.A.C. Methods shall include, but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding, staged construction and the installation of turbidity screens around the immediate project site. Erosion control methods shall be implemented as depicted in Sheet 3 entitled "Final Closure Plan" and Sheet 9 entitled "Details-5" of the attached permit drawings.
- 10. Staked filter cloth shall be positioned at the edge of the permitted fill slopes adjacent to wetlands to prevent turbid run-off and erosion.
- 11. Grass seed, or sod shall be installed and maintained on exposed slopes and disturbed soil areas within 48 hours of completing final grade, and at other times as necessary, to prevent erosion, sedimentation or turbid discharges into waters of the state and/or adjacent wetlands. A vegetative cover that stabilizes and prevents erosion of the fill material shall be established within 60 days of sodding or seeding. Turbidity

barriers/erosion control devices shall be removed upon establishment of a substantial vegetative cover.

CONSTRUCTION CONDITIONS:

- 12. Excavation of the conveyance channel and is limited to the permitted design specifications as depicted on sheet No. 4, entitled "Sections" and on sheet No. 5, entitled "Details". If a clay confining layer or limestone bedrock is encountered during construction the Department shall be immediately notified and construction in the affected area shall cease until the Department approves further activity.
- 13. The permittee shall notify the Department of any sinkhole development in the surface water management system within 48 hours after discovery and must submit a detailed sinkhole evaluation and repair plan for approval by the Department within 30 days of discovery.
- 14. The authorized stormwater management system shall be completed, the signed and sealed as-builts shall be submitted to the Department for approval, and the entire system transferred to operation prior to or simultaneously with the associated landfill development. Occupation and utilization of the site shall be in accordance with General Condition 12.

OPERATION CONDITIONS:

- 15. The maintenance of the storm water system shall be in accordance with the attached Stormwater Management System Operations and Maintenance Plan. It is the responsibility of the permittee to ensure that that the storm water management system is functioning as designed.
- 16. The Operation and Maintenance Entity shall perform inspections beginning 12 months after operation is authorized and every 12 months thereafter and submit inspection reports in the form required by the Department, FDEP Form # 62-343.900(6), *Inspection Certification*.
- 17. The permitted surface water management system shall only be used for the purpose of controlling stormwater runoff from the site and shall not be used to dispose of or store any solid/liquid landfill cell waste or for other operational aspects of the landfill or products generated or used during operation or construction of the facility.
- 18. Leachate, as defined by Chapter 62-701, F.A.C., shall not enter or mix with stormwater. Stormwater containing leachate shall be treated as leachate. Operation of the facility shall be in accordance with Chapter 62-701, F.A.C.
- 19. All ditches, culverts and swales from the point at which they receive runoff from the project area and through their entire downstream length shall be well maintained and stabilized to ensure that they are not subject to erosion.

END OF SPECIFIC CONDITIONS

RIGHTS OF AFFECTED PARTIES

This permit is hereby granted. This action is final and effective on the date filed with the Clerk of the Department unless a sufficient petition for an administrative hearing is timely filed under sections 120.569 and 120.57 of the Florida Statutes as provided below. If a sufficient petition for an administrative hearing is timely filed, this action automatically becomes only proposed agency action on the application, subject to the result of the administrative review process. Therefore, on the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because an administrative hearing may result in the reversal or substantial modification of this action, the applicant is advised not to commence construction or other activities until the deadlines noted below for filing a petition for an administrative hearing or request for an extension of time have expired.

Mediation is not available.

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Mediation may also be pursued as specified below.

Under rule 62-110.106(4) of the Florida Administrative Code, a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon. If a request is filed late, the Department may still grant it upon a motion by the requesting party showing that the failure to file a request for an extension of time before the deadline was the result of excusable neglect.

If a timely and sufficient petition for an administrative hearing is filed, other persons whose substantial interests will be affected by the outcome of the administrative process have the right to petition to intervene in the proceeding. Intervention will be permitted only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

In accordance with rules 28-106.111(2) and 62-110.106(3)(a)(4), petitions for an administrative hearing by the applicant must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to

written notice under section 120.60(3) of the Florida Statutes, must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 21 days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition for an administrative hearing or pursue mediation as provided below within the appropriate time period shall constitute a waiver of those rights.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301.

Under sections 120.569(2)(c) and (d) of the Florida Statutes, a petition for administrative hearing must be dismissed by the agency if the petition does not substantially comply with the above requirements or is untimely filed.

In addition to petitioning for an administrative hearing, any person who has previously filed a petition for an administrative hearing may pursue mediation. If a written mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for a hearing) is filed with the Department within

10 days after the deadline for filing a petition for an administrative hearing, the time limitations imposed by sections 120.569 and 120.57 shall be tolled to allow mediation to proceed. The agreement must contain all the information required by rule 28-106.404. The agreement must be received by the clerk in the Office of General Counsel of the Department at 3900

Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the deadline noted above. Pursuing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. As noted above, persons seeking to protect their substantial interests that would be affected by such a final decision modified through mediation must file their petitions within 21 days of receipt or publication of this notice as provided above, or they shall be deemed to have waived their right to a proceeding under sections 120.569 and 120.57. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under sections 120.569 and 120.57 remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

This permit constitutes an order of the Department. Subject to the provisions of paragraph 120.68(7)(a) of the Florida Statutes, which may require a remand for an administrative hearing, the applicant has the right to seek judicial review of the order under section 120.68 of the Florida Statutes, by the filing of a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the order is filed with the Clerk of the Department. The applicant, or any party within the meaning of section 373.114(1)(a) or 373.4275 of the Florida Statutes, may also seek appellate review of the order before the Land and Water Adjudicatory Commission under section 373.114(1) or 373.4275 of the Florida Statutes.

Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when the order is filed with the Clerk of the Department.

Executed in Temple Terrace, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Deborah A. Getzoff

District Director

Southwest District

DAG/rdh

Citrus County Central Landfill, Phase 3 Expansion Permit No. 09-0291076-001 Page 12 of 13 cc: Dominique H. Bramlett, P.E., Senior Project Engineer, SCS Engineers, Inc., 4041 Park Oaks Boulevard, Suite 100, Tampa, FL 33610

Susan Pelz, P.E., FDEP SWD Solid Waste Program Manager (by e-mail)

Jessica Kleinfelter, NPDES Environmental Manager (by e-mail)

SWFWMD Brooksville Regulatory Office File of Record MSSW402023.002 (by e-mail)

DEP, Office of General Counsel U. S. Army Corps of Engineers

File

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this permit, including all copies were mailed before the close of business on, 6/22, , 2009, to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to 120.52(9), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

lerk

Date

Attachments:

Project Location Map, 1 page

Operation and Maintenance Plan, 4 pages

Existing Facility Site Plan, sheet 2

Final Closure Plan, sheet 3

Sections, sheet 4

Details -1, sheet 5

Details - 4, sheet 8

Details -5, sheet 9

Stormwater Box Culvert Details, sheet 10

Construction Commencement Notice/62-343.900(3)

As-built certification/62-343.900(5)

Inspection certification/62-343.900(6)

Transfer construction to operation phase/62-343.900(7)

NPDES Stormwater Construction Activity brochure, 2 pages

CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CENTRAL LANDFILL ENVIRONMENTAL RESOURCE PERMIT DRAWINGS

CITRUS COUNTY, FLORIDA
AUGUST 2008

BOARD OF COUNTY COMMISSIONERS

Dennie Damato, Commissioner, District 1 Gary Bartoll, Commissioner, District 2 Joe Meek, Commissioner, District 3 John Thrumston, Commissioner, District 4 Winn Webb, Commissioner, District 5

COUNTY ADMINISTRATOR

Anthony J. Schembri

PUBLIC WORKS DEPARTMENT

Glenn W. McCracken, Director

SOLID WASTE MANAGEMENT DIRECTOR

Susan J. Metcalfe, P.Q.

LOCATION



LOCATION MAP

DRAWING INDEX

DRAWIN	G NO.	DRAWING TITLE
Δ1		COVER SHEET
∆ 2	•	EXISTING FACILITY SITE PLAN
~~~	~~~	(TOPOGRAPHIC SURVEY DATE 10/11/07)
(AA3	• • •	FINAL CLOSURE PLAN
( A A 4	•	SECTIONS
\ Δ5	-	DETAILS . 1
~~~~	ىب	DETAILS · 2
7	•	DETAILS - 3
~~A~~	·	DETAILS - 4
(AAB	•••	DETAILS - 5
~~40v	سب	STORMWATER BOX CULVERT DETAILS

△ DRAWNES REMED PER RAL # 1 - 10/01/00

○ DRAWNES REMED PER FED CONNERTS - 03/17/01

SCS ENGINEERS

STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS 4011 PLAK AND SLYD SUITE 100 TALES, ROBERT SERVE PH (812) SERVED PHAND, STEPS WHAT SERVED PHAND,

DB PROJECT NO. 00007048.00

OCMINICUE H. BRANLETT, P.E.

STORMWATER MANAGEMENT SYSTEM OPERATIONS AND MAINTENANCE PLAN

The Central Landfill is divided into two primary landfill areas: the 64-acre closed landfill area and the 43-acre active landfill area.

The stormwater management system for the active landfill area consists of one existing dry retention area (DRA), and existing and proposed conveyance swales surrounding the landfill. The closed landfill area consists of four existing dry retention areas along with existing and proposed conveyance swales. The post-development stormwater management plan for both areas was designed for the 100-year storm event with no offsite discharge.

During construction of the conveyance swales, best management practices, such as installation of silt fences will be used to minimize erosion and sedimentation. The stormwater conveyances will be protected against erosion using energy dissipater structures, grout filled fabric revetment mattresses, turf reinforcement fabric or other appropriate management practices.

The purpose of this document is to describe the operation and maintenance (O&M) procedures for the stormwater management systems for the Central Landfill in Citrus County Florida.

OPERATIONS AND MAINTENANCE

Citrus County Solid Waste Management Division will be responsible for the construction, operations, maintenance and inspecting of the stormwater management systems.

MAINTENANCE

The following operational maintenance activities shall be performed on the stormwater management systems on a regular basis (monthly) and/or as needed (following a large rain event). The attached stormwater maintenance form can be used to document the routine inspection:

- Removal of trash and debris from the terrace swales, conveyance swales, drop inlet grate openings, culvert inlets and outlets, drop inlet interior inlet, and energy dissipaters.
- Inspection of inlets and outlets for deterioration, erosion surrounding the structures, and inlet blockage.
- Removal of sedimentation or vegetation when the storage volume or the conveyance capacity of the stormwater management system is below design levels.
- Stabilization and restoration of eroded areas.

- Mowing and removal of grass clippings from the inlet of drop structures and around culvert openings.
- Ongoing construction activities will be monitored to assure silt fencing is being utilized to protect the existing stormwater features.
- Dry retention areas will be observed 72 hours following all large storm events to assure that the water is draining properly.
- Trash and other material will be removed from any potential sinkhole area and disposed of in an environmentally sound manner.
- Excess surface water caused by construction activities will be diverted from the
 potential sinkhole area, the surface water flow should be maintained at historic (or
 predevelopment) volumes.

INSPECTION

Inspections of the system will be performed routinely based upon the permit required interval. These inspections will be more formal than the maintenance inspections and will include a report to the agency following completion. A designated County employee will be responsible overseeing the operations and maintenance as well as inspecting and reporting for the stormwater management system. The assigned employee will inform the County of maintenance needs following inspections. The operator will implement corrective actions to make repairs within 30 days of notification from the inspector. Urgent repairs will be addressed immediately in a temporary fashion while a permanent repair is planned.

Inspection of the stormwater management system will address the all of the routine maintenance with special attention given to these items:

- Debris, sedimentation and vegetative buildup in the retention/detention areas, debris blockage of the drainage pipes, culverts, drop inlets, terrace swales and conveyance swales.
- Structural integrity (cracking, or splitting of pipe or couplers) of the stormwater management system components.
- The identification of suspect sinkhole formation on any land surfaces or in any stormwater conveyance or DRA. Any areas of subsidence, collapse, or formation of a hole where none existed previously should be considered a suspect sinkhole and immediately reported to the Director of Solid Waste Management. FDEP shall be notified of any confirmed suspect sinkhole areas by the Director.

Following the inspection a report will be generated based upon the inspection and the observations recorded during routine maintenance over the preceding period and submitted to the agency per permit conditions.

SEDIMENTATION AND EROSION CONTROL

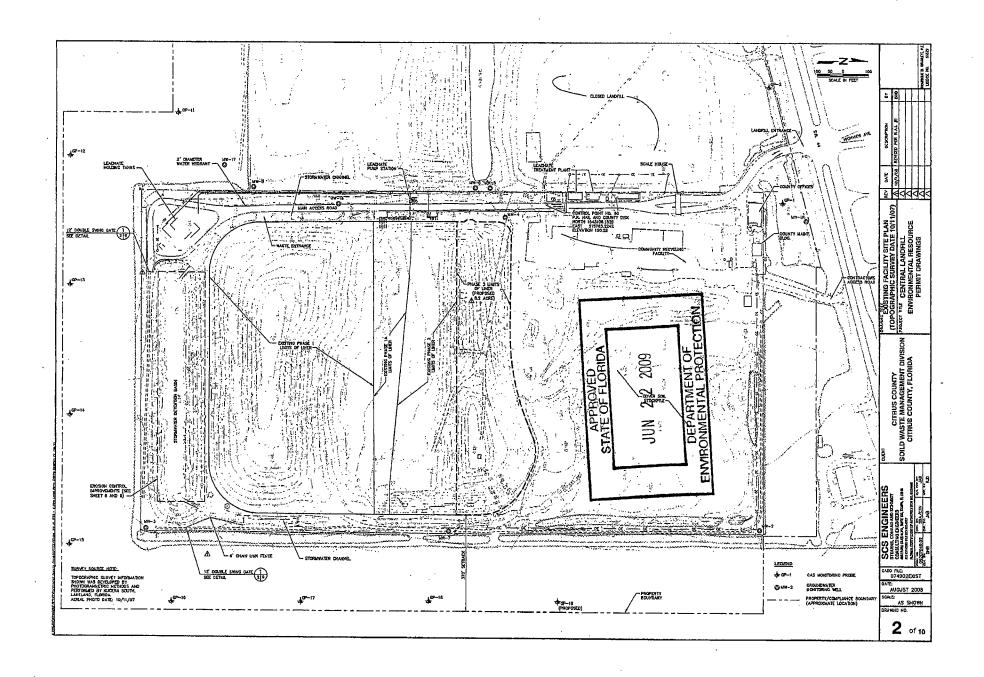
During construction activities, appropriate erosion and sediment control measures will be used to reduce the amount of sediment entering the conveyance swales, or DRAs, until the establishment of the vegetative buffer.

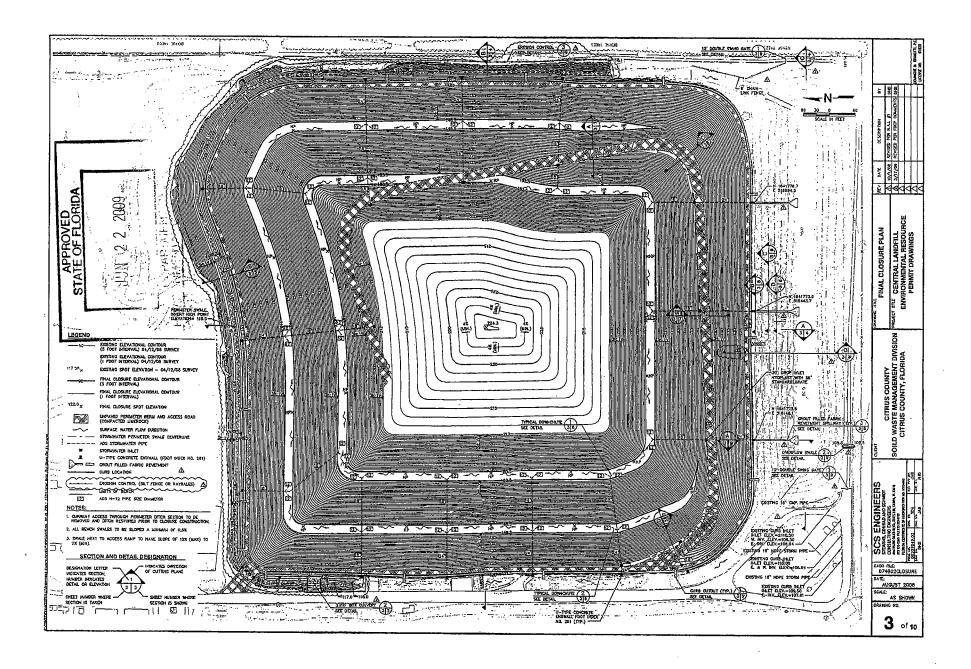
SINKHOLE TREATMENT/CLOSING

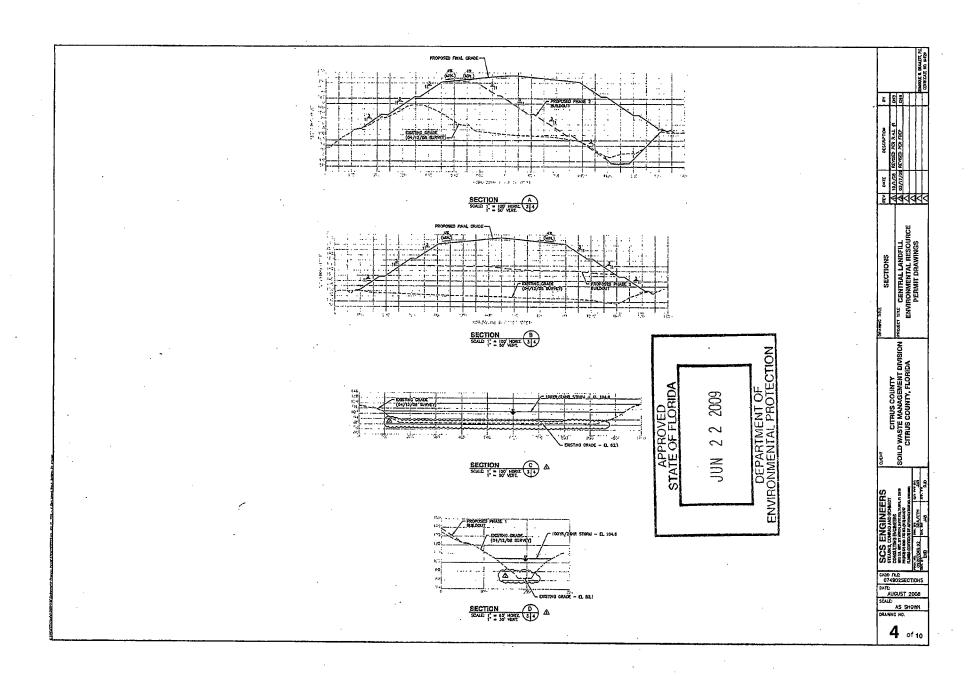
Any areas identified as a suspect sinkhole formation shall be investigated for extent and severity. Upon confirmation that the suspect sinkhole is related to karst geology, an action plan to backfill the sinkhole shall be developed and submitted to FDEP for review. Upon approval of the sinkhole remediation action plan by FDEP, the action plan shall be implemented and a final report documenting the completion of the action plan shall be submitted to FDEP.

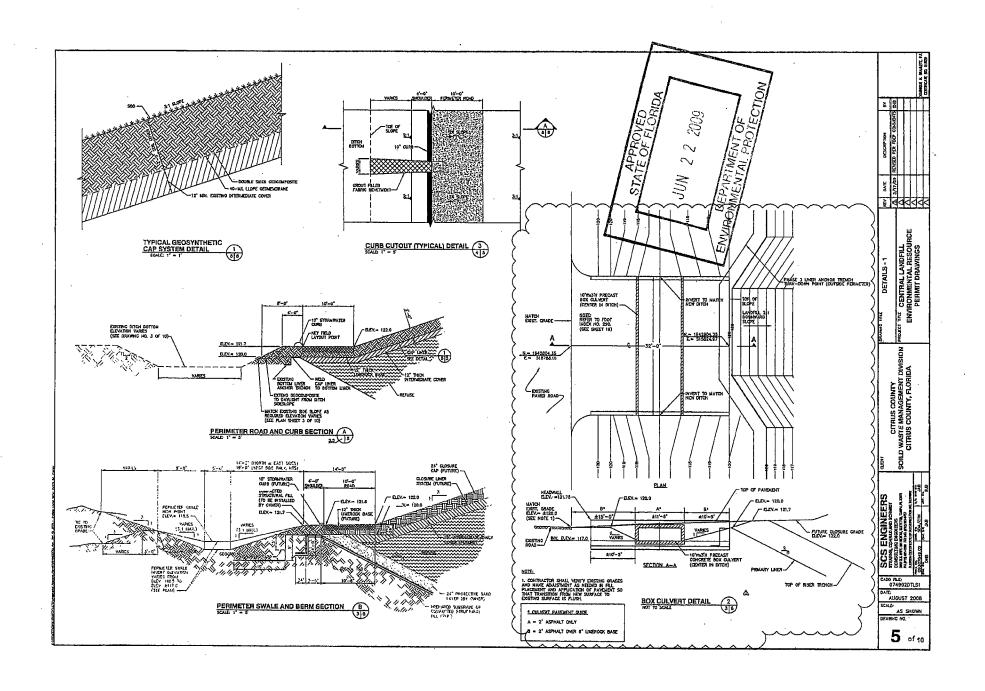
Citrus County Landfill Stormwater System Routine Maintenance Form

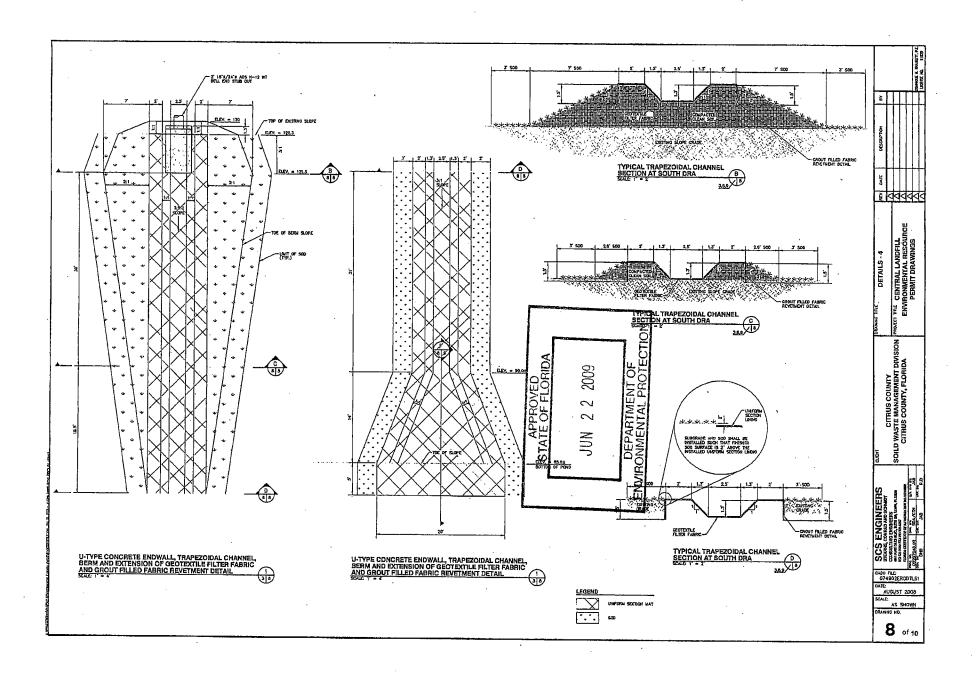
Site Location (Circle One):	Closed Site	Open Site	Transfer Station Area
The following items should be vegetative growth and general esection:	inspected for debris overall condition wi	and sediment build th any required mai	up, water level/presence, excess ntenance item outlined in the comm
Stormwater Feature ID	Comments:		
Dry Retention Areas			
Conveyance Swales			
Culverts			
Outlet/Drop Structures			
Terrace Swales			
Road crossings			
Other			
In the Notes/Comments below in the Notes/Comments below in the Notes/Comments	ndicate if this was policable.	periodic routine mai	ntenance or after a recent storm eve

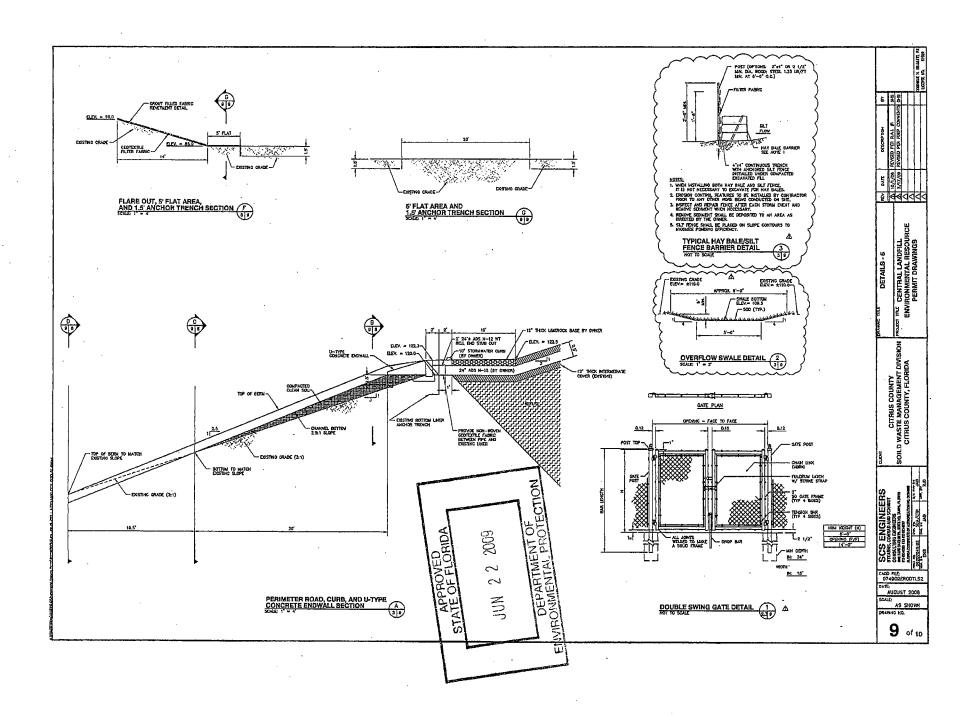


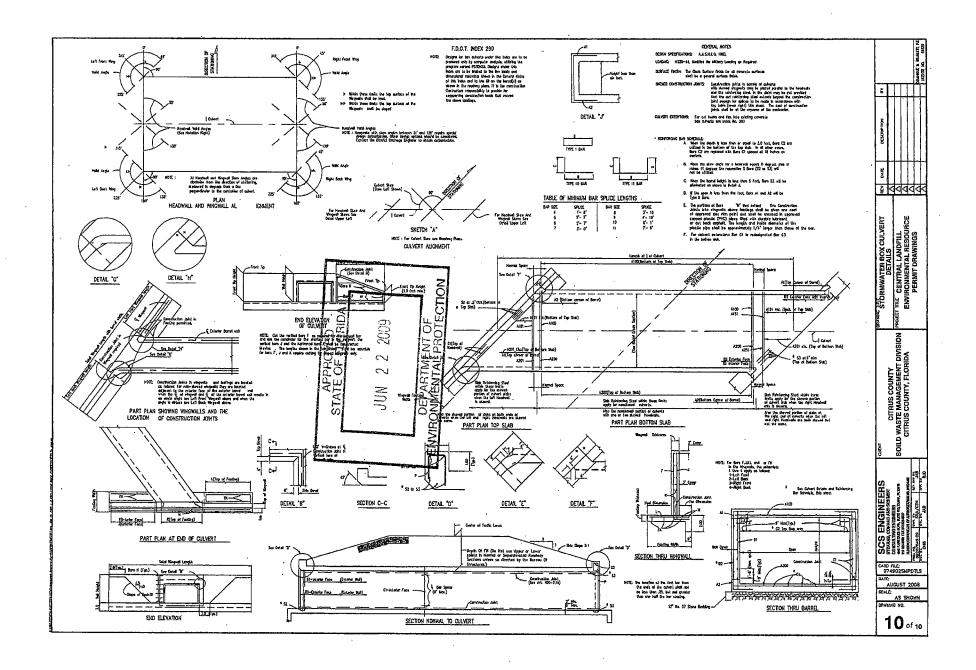












Form #62-343.900(3) FAC

Form Title: Construction Commencement Notice Effective Date: October 3.1995

ENVIRONMENTAL RESOURCE PERMIT Construction Commencement Notice

Project:	Pha	ise:
I hereby notify the Department of	Environmental Protection that the constr	ruction of the surface water
management system authorized by	y Environmental Resource Permit Number	er has commenced / is
expected to commence on	and will require a duration of approximat	ely months weeks
days to complete. It is und	lerstood that should the construction term	extend beyond one year, I am
obligated to submit the Annual St	atus Report for surface Water Manageme	ent System Construction.
PLEASE NOTE: If the actual corso notified in writing in order to s	nstruction commencement date is not kno atisfy permit conditions.	own, Department staff should be
Permittee or Authorized Agent	Title and Company	Date
Phone	Address	

Form # 62-343.900(4)
Form Title: Annual Status Report
Effective Date: October 3, 1995

Environmental Resource Permit Annual Status Report

Florida Department of Environmental I	<u>'rotection</u>				
					•
		,			
PERMIT NUMBER:			COUNTY:		
PROJECT NAME:			PHASE:		
	,				
The following activity has occurred at the	above referenced	poroject	during the past year,	between June 1	l, and May 30,
Permit Condition/Activity 9	% of Completion		Date of Anticipate	ed	Date of
<u>, , , , , , , , , , , , , , , , , , , </u>	<u>v vi Ograpion</u>		Date of Anticipate Completion		Completion
		_			
		<u> </u>			
(Use Additional Sheets As Necessary)					
·					•
Benchmark Description (one per major control stru	cture):				
W. C. S.					
Print Name		Phone	:		
Permittee's or Aurthorized Agent's Signature		Title	and Company		Date
			•		
This form shall be submitted to the above i	referenced Depart	ment Of	fice during June of ea	ch year for acti	vities whose duration of

62-343.900(4) On-Line Document Formatted 12/01/97 kag

construction exceeds one year.

Form #62-343.900(5), F.A.C. Form Title: As-Built Certification by a Registered Professional Effective Date: October 3, 1995

ENVIRONMENTAL RESOURCE PERMIT AS-BUILT CERTIFICATION BY A REGISTERED PROFESSIONAL

Permit Number:	
Project Name:	
in accordance with the approved plans and specifical deviations (noted below) from the approved plans at functioning as designed when properly maintained at the conducted by th	water management system have been built substantially ations and are ready for inspection. Any substantial and specifications will not prevent the system from and operated. These determinations are based upon or by my designee under my direct supervision and/or professional or Land Surveyor licensed in the State of
Name (please print)	Signature of Professional
Company Name	Florida Registration Number
Company Address	Date
City, State, Zip Code	
Celephone Number	(Affix Seal)
Substantial deviations from the approved plans and	specifications:
Note: attach two copies of as-built plans when there	e are substantial deviations)
Within 30 days of completion of the system, submit	two copies of the form to:

62-343.900(5) On-Line Document Formatted 12/01/97 kag

Form #62-343.900(6) FAC
Form Title: Inspection Certification
Effective Date: October 3,1995

ENVIRONMENTAL RESOURCE PERMIT INSPECTION CERTIFICATION

Permit Number:	
Project Name:	
Inspection Date(s):	
Inspection results: (check one)	
	my direct supervision have inspected the system at the above to be functioning in accordance with the requirements of the
The following necessary maintenance was c	onducted:
referenced project and that the system does not requirements of the permit and Chapter 373 F.S. maintenance entity of the following: (a) that the maintenance is required to bring the system int	my direct supervision has inspected the system at the above appear to be functioning in accordance with the S. (as applicable). I have informed the operation and e system does not appear to be functioning properly, (b) that o compliance, and (c) if maintenance measures are not the system may have to be replaced or an alternative design it.
Name	Signature of Professional Engineer
Company Name	Florida Registration Number
Company Address	Date
City, State, Zip Code	
Telephone Number	(affix seal)
Within 30 days of completion of the inspection Office:	, submit two copies of the form to the following Department
Department of Environmental Protection	

Form #: 62-353.900(7)F.A.C. Form Title: Request for Transfer to

Operation Phase

Effective Date: September 25, 1995

Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase

(To be completed and submitted by the operating entity) Florida Department of Environmental Protection It is requested that Department Permit Number ____authorizing the construction and operation of a surface water management system for the below mention project be transferred from the construction phase permittee to the operation phase operating entity. Project: From: Name: Address: City: State: Zip: To: Name: Address: City: State: Zip: The surface water management facilities are hereby accepted for operation and maintenance in accordance with the engineers certification and as outlined in the restrictive covenants and articles of incorporation for the operating entity. Enclosed is a copy of the document transferring title of the operating entity for the common areas on which the surface water management system is located. Note that if the operating entity has not been previously approved, the applicant should contact the Department staff prior to filing for a permit transfer. The undersigned hereby agrees that all terms and conditions of the permit and subsequent modifications, if any, have been reviewed, are understood and are hereby accepted. Any proposed modifications shall be applied for and obtained prior to such modification. Operating Entity: Title: Name Telephone: Enclosure copy of recorded transfer of title surface water management system Coy of plat(s) Copy of recorded restrictive covenants, articles of incorporation, and certificate of incorporation.

62-343.900(7) On-Line Document Formatted 12/01/27 kag

- · Carefully read the permit language.
- · Develop and implement your SWPPP.
- Complete an NOI in its entirety.
- Submit the NOI along with the application fee of \$250 for small construction projects or \$400 for large construction projects to the Notices Center. (Authorization is granted two days after the submittal of a complete NOI and appropriate fee. The Notices Center will send an acknowledgement letter after receiving and processing your complete NOI and fee.)
- Re-apply for coverage every five years (if construction activity exceeds five years).

Please Note

The application fee is subject to change-always refer to the most current version of Rule 62-4.050(4)(d), F.A.C., to confirm the amount before submitting payment. Make checks payable to the Florida Department of Environmental Protection.

Where Can I Find More Information?

- DEP's Web site provides more information on program coverage and requirements, useful Web links, and electronic versions of the CGP, all regulations and forms cited herein, and SWPPP guidance. In addition, the NPDES Stormwater Notices Center provides hardcopies of permits and forms.
- NPDES Stormwater Section

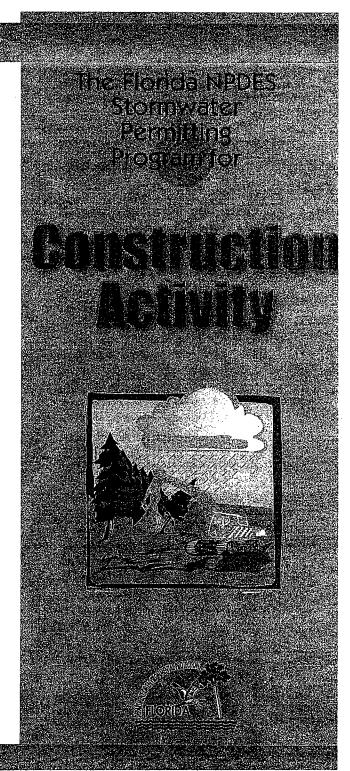
Florida Department of Environmental Protection 2600 Blair Stone Road, MS #2500 Tallahassee, FL 32399-2400 (850) 245-7522 NPDES-stormwater@dep.state.fl.us www.dep.state.fl.us/water/stormwater/npdes/

NPDES Stormwater Notices Center

Florida Department of Environmental Protection 2600 Blair Stone Road, MS #2510 Tallahassee, FL 32399-2400 (866) 336-6312 (toll free) or (850) 297-1232

PRINTED ON RECYCLED PAPER

Fibrida Department of Environmental Protection NPDES Stormwater Section 2600 Blair Stone Road, MS #2500 Tallahassee, FL 32399-2400









What is Florida's NPDES Stormwater Permitting Program for Construction Activity?

In October 2000, the U.S. Environmental Protection Agency (EPA) authorized the Florida Department of Environmental Protection (DEP) to implement the National Pollutant Discharge Elimination System (NPDES) stormwater permitting program in the State of Florida (with the exception of Indian country lands). The program regulates point source discharges of stormwater runoff from certain construction sites and was developed by EPA in two phases: Phase I regulates "large" construction activity (disturbing 5 or more acres of total land area) and Phase II regulates "small" construction activity (disturbing between 1 and 5 acres of total land area).

The "operator" (i.e., the entity that owns or operates the project and has authority to ensure compliance) of regulated construction sites must obtain an NPDES stormwater permit and implement appropriate pollution prevention techniques to minimize erosion and sedimentation and properly manage stormwater. DEP adopted under Rule 62-621.300(4), FA.C., the Generic Permit for Stormwater Discharge from Large and Small Construction Activities (CGP) (DEP Document 62-621.300(4)(a)) which is applicable to Phase I large construction and Phase II small construction.

It is important to note that the permit required under DEP's NPDES Stormwater permitting program is separate from the Environmental Resource Permit (ERP) required under Part IV, Chapter 373, ES., a stormwater discharge permit required under Chapter 62-25, EA.C., or any local government's stormwater discharge permit for construction activity.

Which Construction Activities Are Regulated Under The Program?

DEP's permitting program regulates construction activity that meets the following criteria:

- Contributes stormwater discharges to surface waters of the State or into a municipal separate storm sewer system (MS4).
- Disturbs one or more acres of land. Less than one acre also is included if the activity is part of a larger common plan of development or sale that will meet or exceed the one acre threshold. Disturbance includes clearing, grading and excavating.

What Does the CGP Require?

- A CGP Notice of Intent (NOI) (DEP Form 62-621 300(4)(b)) must be submitted to DEP.
- A Stormwater Pollution Prevention Plan (SWPPP). In part, the plan must include the following:
 - A site evaluation of how and where pollutants may be mobilized by stormwater.
 - A site plan for managing stormwater runoff,
 - Identification of appropriate erosion and sediment controls and stormwater best management practices (BMPs) to reduce erosion, sedimentation, and stormwater pollution,
 - A maintenance and inspection schedule,
 - A recordkeeping process, and
 - Identification of stormwater exit areas.
- A Notice of Termination (NOT) (DEP Form 62-621-300(6)) must be submitted to DEP to discontinue permit coverage. An NOT may be submitted only when the site meets the eligibility requirements for termination specified in the GGP.

What Are Some Examples of BMPs?

A comprehensive SWPPP includes both structural and nonstructural controls. Some commonly used controls follow:

Structural Controls

- Retention Ponds. Permanent structures designed to allow time for sediments to settle and water to infiltrate the ground.
- Temporary Sediment Basins. Structures designed to detain sediment-laden runoff from disturbed areas long enough for sediments to settle out and control the release of stormwater.
- Entrance/Exit Controls. Temporary controls, such as gravel, used to stabilize the entrances/exits to the site to reduce the amount of soils transported onto paved roads by vehicles (known as "track-out").
- Silt Fencing. A temporary erosion and sediment control used to prevent dirt from entering waterways before hare soil is stabilized with vegetation.
- Berms. A temporary erosion and sediment control that physically prevents polluted runoff from entering nearby storm drain inlets and waters.

Non-Structural Controls

- Stabilization. Techniques such as sodding, seeding/ mulching, and stone cover, which reduce the erosion of exposed soils and steep grades.
- Phased Construction. Scheduling construction to occur during the dry season or to minimize the amount of land cleared at any one time.
- Good Housekeeping. Techniques such as oil and fuel containment, spill prevention and clean-up, and street sweeping of "tracked-out" soils, which help prevent the contamination of stormwater runoff.

How Do I Obtain Permit Coverage?

To obtain NPDES stormwater permit coverage, complete the following steps in order:

 Obtain copies of the CGP and NOI from the DEP web site or from the NPDES Stormwater Notices Center.

SECTION 2 RECORD DRAWINGS AND PERMIT DEVIATIONS

2.1 PRECONSTRUCTION SURVEY

In accordance with the project technical specifications, a copy of the preconstruction topographic survey performed by Berglund Construction Services, LLC is included as Attachment 2-1.

2.2 RECORD DRAWINGS

Please refer to Attachment 2-1 for the Citrus County Class I Central Landfill Phase 3 Expansion Record Drawings.

2.3 GAS PROBE

The new gas monitoring probe GP-19 was installed in general conformance to the plans and specifications. Please refer to Attachment 2-1 for the Northing and Easting of the new gas probe. Please refer to Attachment 2-2 for the gas installation log.

2.4 PLANS AND SPECIFICATIONS DEVIATIONS

The following minor deviations were implemented during construction of the Citrus County Class I Central Landfill Phase 3 Expansion construction. It is the professional opinion of SCS that these minor deviations did not significantly impact the original permitted concept or design.

2.4.1 Access Road

Upon the request of the County, Comanco submitted Change Order No. 2 and No. 4 for revisions to the access road. The change orders consisted of creating a 3 foot shoulder along the south of the access road to provide a safe zone beyond the road surface, lining the ditch on the north side of the access road with 60-mil HDPE liner to minimize erosion underneath the road, placement of riprap in the bottom ditch to minimize erosion, and placement of 1.5 inches of 12.5 Type SP asphalt on the new limerock base; prime and sand new limerock base for long term site operational activities. These modifications do not alter the direction of the stormwater and do not affect the overall design or permit conditions.

2.4.2 Additional Rain Tarp

Comanco requested a change order for additional rain tarp material on the eastern half of the cell. The triplanar specification section 31 05 20 3.08 G indicated that after installation of the triplanar material shall not be exposed to direct sunlight for longer than 30 days. The additional rain tarp material was added to the eastern side slope of the cell to be in compliance with the specifications.

2.4.3 Interface Friction Angles Testing

SCS sent an email to FDEP on July 6, 2010, indicating a couple typographical errors in the general information of the construction permit number 21375-013-SC/01 for the interface friction angle testing. FDEP concurred in an email to SCS on July 7, 2010, that the reference to biplanar geocomposite [BGDN]/uniaxial geogrid is incorrect. The triplanar geocomposite [TGDN] actually interfaces the uniaxial geogrid. The reference to the geomembrane [GM]/subbase soil interface is also incorrect. The secondary [GM] actually interfaces with the biaxial geogrid. Additionally, the [GM]/biaxial geogrid and protective soil/[TGDN] was not included in the general information of the construction permit 21375-013-SC/01. The corrected and additional interface friction angle testing was performed.

2.4.4 Rain Tarp Testing

SCS requested in an email to FDEP on September 16, 2010, that the rain tarp material be acceptable at a reduced trapezoidal tear strength as all the other parameters met specifications. SCS indicated that the Phase 2 cell utilized a 10 mil UV-resistant polypropylene and the Phase 3 cell specified a 12 mil UV-resistant polypropylene material. The slight variance in allowing a material with a reduced trapezoidal tear strength does not alter or modify the original landfill expansion design. The purpose of the rain tarp system is to cover the exposed cell bottom and sideslopes where operations are not occurring to minimize leachate generation. The stormwater collected on top of the rain tarp is diverted from the leachate system to the existing channels using portable pumps. The rain tarp is temporary and will be removed prior to placement of 24-inches of protective sand cover and refuse. FDEP concurred in an email to SCS on September 16, 2010 that the rain tarp material is acceptable at the reduced trapezoidal tear strength.

2.4.5 Plug Valve and Butterfly Valve

The specification for the plug valves and butterfly valves from vendors indicated that the valves specified are not available. A PVC gate vale was provided in lieu of the plug valve specified in the specifications and an HDPE butterfly valve by TimesaverTM was provided. These modifications were confirmed to be compatible with leachate applications.

Attachment 2-1

Citrus County Class I Central Landfill Phase 3 Expansion Project Record Drawings

(Bound Separately)

CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION

CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION DRAWINGS

CITRUS COUNTY, FLORIDA

APRIL 2010

BOARD OF COUNTY COMMISSIONERS

Dennis Damato, Commissioner, District 1
Gary Bartell, Commissioner, District 2
Joe Meek, Commissioner. District 3
John Thrumston, Commissioner, District 4
Winn Webb, Commissioner, District 5

COUNTY ADMINISTRATOR

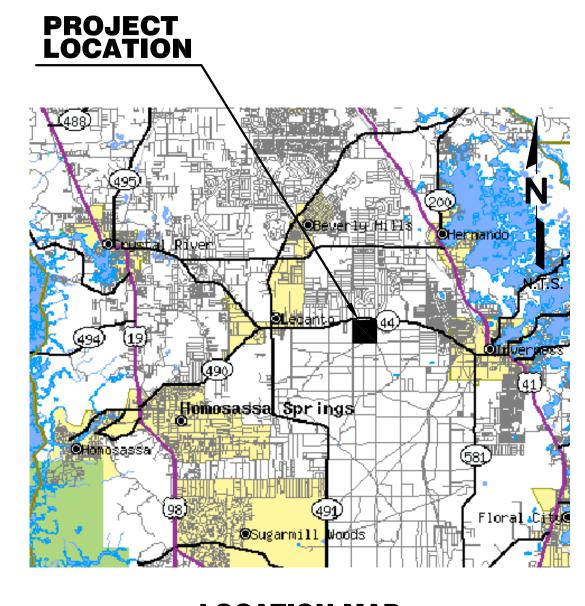
Brad Thorpe

PUBLIC WORKS DEPARTMENT

Glenn W. McCracken, Director

SOLID WASTE MANAGEMENT DIRECTOR

Casey Stephens



LOCATION MAP

SCS ENGINEERS

STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS

4041 PARK OAKS BLVD., SUITE 100
TAMPA, FLORIDA 33610
PH (813) 621-0080 FAX NO. (813) 623-6757
WWW.SCSENGINEERS.COM
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

SCS PROJECT NO. 09207049.06

DRAWING INDEX

DRAWING NO. DRAWING TITLE

1 - COVER SHEET

- SITE COADING DIAN

- SITE GRADING CONTROL POINTS PLAN

6 - SITE GRADING CONTROL POINTS TABLE

- SECTIONS

8 - LEACHATE COLLECTION SYSTEM DETAILS

9 - LEACHATE COLLECTION SYSTEM DETAILS
10 - LEACHATE COLLECTION SYSTEM DETAILS

11 - LEACHATE COLLECTION SYSTEM AND STORMWATER DETAILS

12 - LINER AND TRENCH SYSTEM DETAILS

13 - STORMWATER PUMP STATION DEMOLITION DETAILS

14 - STORMWATER IMPOUNDMENT DEMOLITION DETAILS

15 - STORMWATER MISCELLANEAOUS DEMOLITION DETAILS

16 - STORMWATER AND MISCELLANEOUS DETAILS

17 - STORMWATER BOX CULVERT DETAILS

18 - LEACHATE ELECTRICAL SYSTEM EQUIPMENT LOCATION

19 - LEACHATE ELECTRICAL SYSTEM RISER DIAGRAM AND NOTES

20 - PRIMARY LINER AS-BUILT PANEL LAYOUT

21 - SECONDARY LINER AS-BUILT PANEL LAYOUT

BERGLUND CONSTRUCTION SERVICES, LLC SURVEY

1 OF 3 - EXISTING SITE AS-BUILT PLAN

2 OF 3 - EXISTING SITE AS-BIULT CONTROL POINT PLAN

3 OF 3 - EXISTING SITE AS-BUILT CONTROL POINT TABLE

SITE GRADING AND DRAINAGE AS-BUILT PLAN
 SITE GRADING CONTROL POINTS AS-BUILT PLAN

5.1 - OFF-SITE GRADING CONTROL POINTS AS-BUILT PLAN

6 - SITE GRADING CONTROL POINTS AS-BUILT TABLE

6.1 - OFF-SITE GRADING CONTROL POINTS AS-BUILT TABLE

8 - LEACHATE COLLECTION SYSTEM AS-BUILT PLAN

8.1 - LEACHATE COLLECTION SYSTEM AS-BUILT PLAN

ISSUED FOR BID SET - 4/11/10.

REVISED PER ADDENDUM NO. 1 – 4/23/10.

CONFORMED SET - 6/22/10.

RECORD DRAWING SET

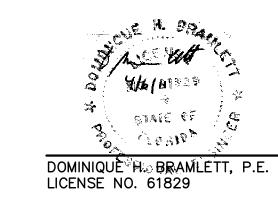
THIS RECORD DRAWING SET HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE ENGINEER HAS NOT VERIFIED THE ACCURACY OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A

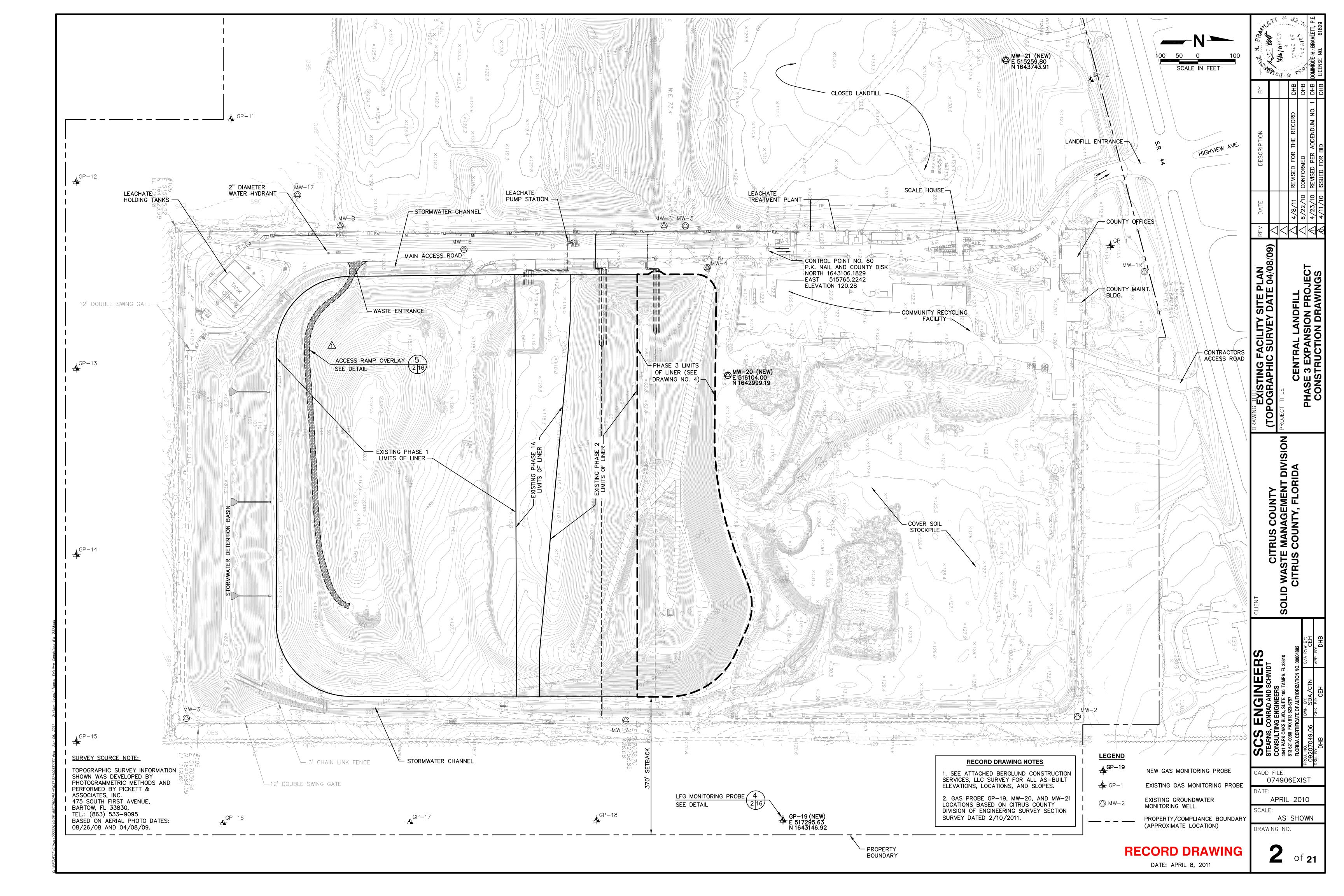
RESULT.

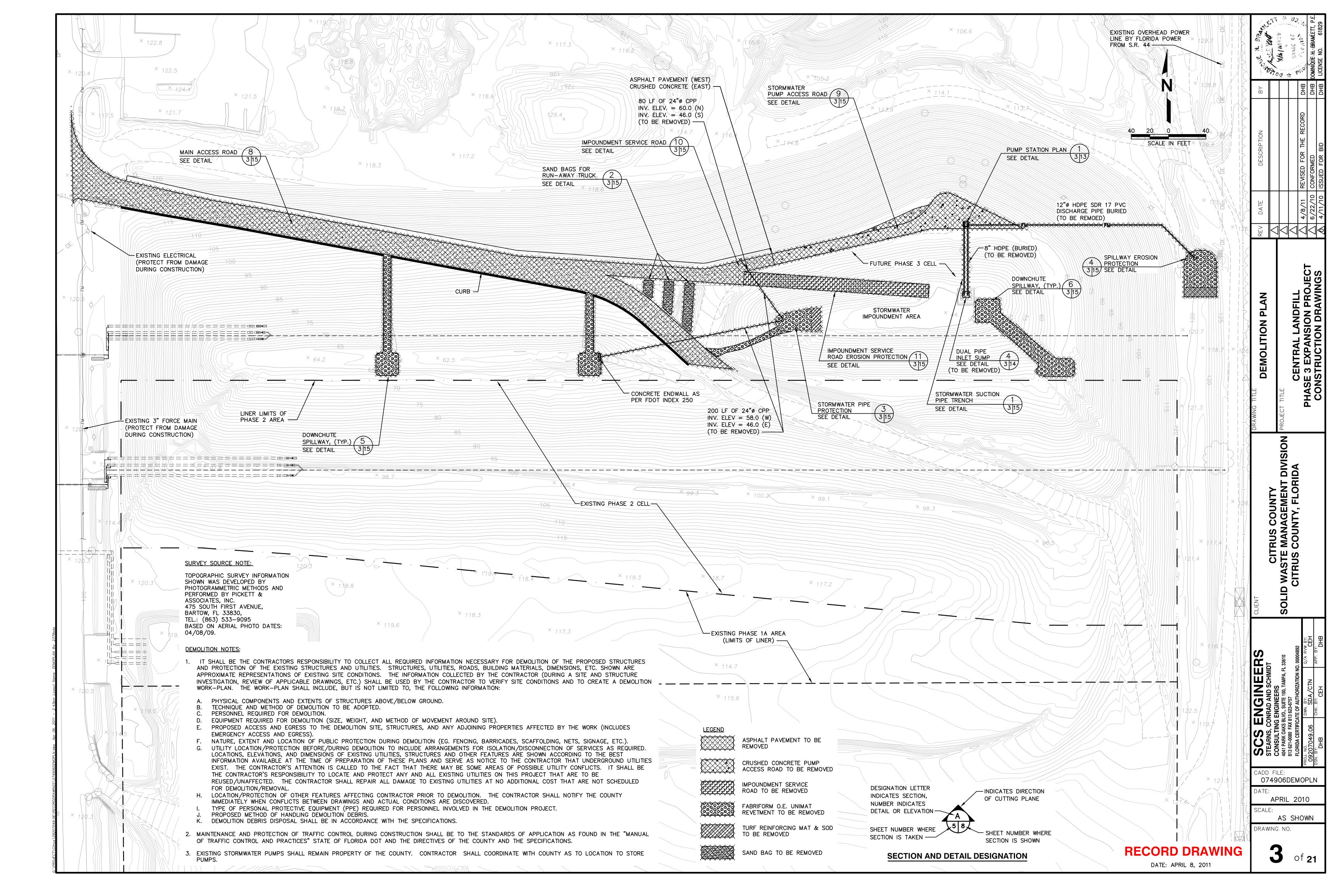
SCS ENGINEERS Date: <u>APRIL 2011</u>

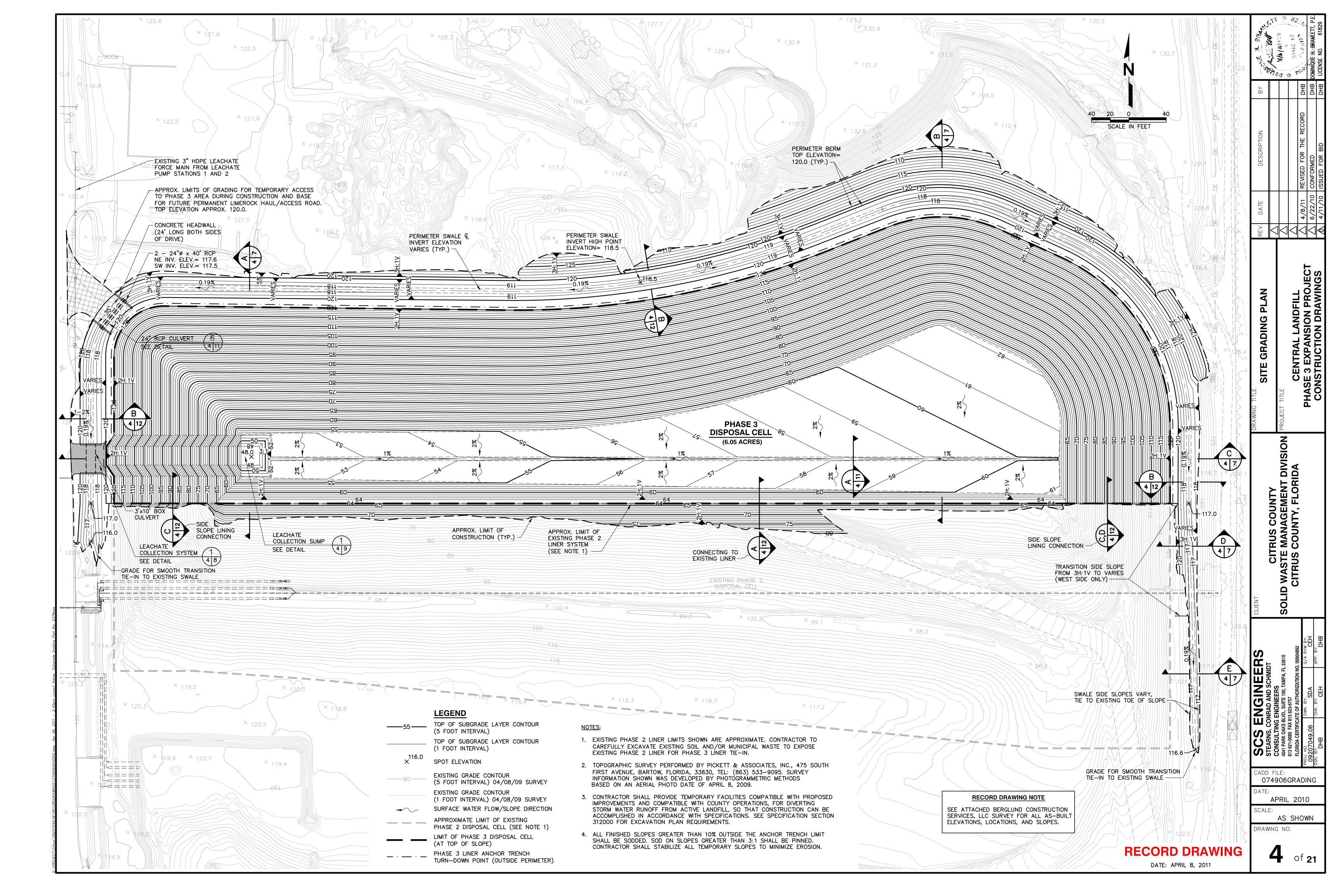
RECORD DRAWING SET

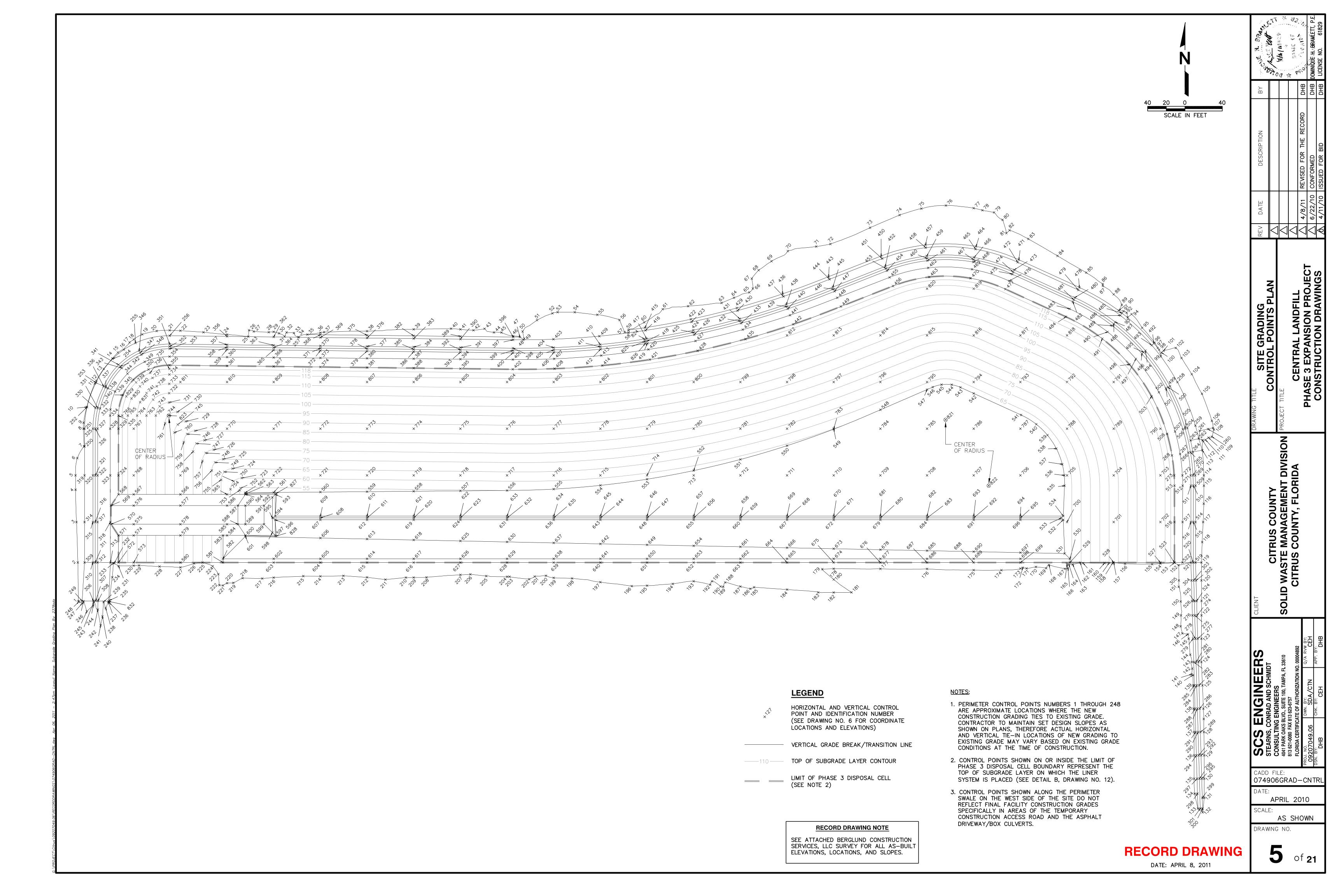
DATE: APRIL 8, 2011











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57 1643003.51	516376.04 120.44	157	1642756.51 516900.00 87.50	257 164299	8.02 516026.67	120.00	357 164298	9.92 5159	950.00 117.64	457	1643096.94 516698.34 119.92	557 1642833.40	516200.00 54.52	657 1642806	.39 516450.00 56.48	757	1642865.48 515923.67 75.00			
	516380.18 120.00 516380.03 120.00	159	1642756.60 516899.17 87.04 1642756.21 516895.17 84.83	259 164290		120.00	359 164298	4.92 5159		459	1643093.96 516698.69 120.00 1643085.01 516699.71 117.92	559 1642832.55	7 516150.00 54.01 5 516100.00 53.51	659 1642804	.39 516500.00 56.98 .39 516500.00 55.98	759	1642875.60 515913.67 80.00 1642885.72 515903.67 85.00			
 	516396.91 118.07 516416.81 114.53		1642756.06 516890.17 82.26 1642756.09 516867.17 70.77								1643082.53 516700.00 117.92 1643080.05 516700.29 117.92	<u> </u>	2 516050.00 53.00 0 516000.00 52.49		.39 516500.00 56.98 .49 516500.00 57.56		1642895.84 515893.67 90.00 1642905.96 515883.67 95.00			
62 1643031.28	516443.98 115.24 516479.86 116.85	162	1642756.53 516864.17 69.58 1642754.57 516856.10 66.52	262 164288	9.38 516991.11	120.00	362 164299	3.33 5160	000.00 120.00		1643072.33 516701.17 120.00 1643062.56 516702.30 120.00	 	515969.31 52.18 1 515969.65 52.15		.62 516500.00 64.00 .62 516500.00 64.00	·	1642914.05 515873.67 100.00 1642914.05 515863.67 105.00			
64 1643040.31	516493.17 116.21	164	1642754.40 516852.01 65.00	264 164287	75.19 516984.71	117.22	364 164298	5.83 5160	000.00 117.74	464	1643095.33 516752.51 119.93	564 1642829.65	5 515969.67 52.00	664 1642756	.62 516550.00 64.00	764	1642914.05 515853.67 110.00			
66 1643050.23	516509.50 115.87 516513.39 114.92	166	1642754.58 516850.07 65.02 1642750.58 516851.01 67.00	266 164287	4.36 516979.78	117.22	366 164297	5.28 5160	000.00 120.00	466	1643092.37 516751.99 120.00 1643083.51 516750.43 117.83	566 1642829.65	515900.00 86.83	666 1642772	.45 516550.00 58.08	766	1642914.05 515843.67 115.00 1642914.05 515837.67 118.00			
	516512.20 111.44 516519.51 109.31		1642749.90 516847.67 67.36 1642754.09 516830.67 65.26		72.90 516971.15 71.42 516962.43						1643081.04 516750.00 117.83 1643078.58 516749.57 117.83				.39 516550.00 57.48 .39 516550.00 56.48		1642900.00 515850.00 111.83 1642850.00 515850.00 111.83			
69 1643079.47 70 1643090.35	516533.37 107.69 516550.90 106.23		1642750.49 516827.67 67.07 1642751.96 516816.67 66.33	269 164285	0.00 516987.42	117.17	369 164299	7.74 5160	50.00 120.00	469	1643070.79 516748.20 120.00 1643061.25 516746.52 120.00						1642850.00 515900.00 86.83 1642900.00 515950.00 86.34			
71 1643095.18	516581.21 108.37	171	1642750.26 516806.67 67.18	271 164285	50.00 516982.41	117.17	371 164298	5.24 5160	50.00 117.83	471	1643081.08 516798.33 120.00	571 1642785.65	5 515833.67 120.00	671 1642804	.39 516600.00 56.98	771	1642900.00 516000.00 86.64			
73 1643115.34	516596.38 109.39 516638.96 109.16	173	1642751.13 516802.67 66.75 1642750.21 516800.00 67.21	273 164285	0.00 516964.79	120.00	373 164297	5.84 5160	50.00 120.00	473	1643078.35 516797.09 120.00 1643070.17 516793.34 117.74	573 1642756.62		673 164277°	.39 516600.00 57.98 .41 516600.00 58.60	773	1642900.00 516050.00 86.93 1642900.00 516100.00 87.23			
	516670.62 107.92 516693.87 106.95		1642748.43 516779.67 68.09 1642748.51 516750.00 68.05								1643067.90 516792.30 117.74 1643065.62 516791.26 117.74						1642900.00 516150.00 87.53 1642900.00 516200.00 87.82			
	516720.29 106.34 516750.00 106.63	176	1642749.81 516700.00 67.40 1642749.86 516650.00 67.38	276 164270	0.00 516984.31	116.92	376 164299	7.15 5161	100.00 120.00	476	1643058.31 516787.92 120.00 1643049.62 516783.94 120.00				.62 516650.00 64.00 .62 516650.00 64.00	-	1642900.00 516250.00 88.12 1642900.00 516300.00 87.88			
78 1643134.04	516759.31 106.90	178	1642749.94 516600.00 67.34	278 164267	5.00 516987.53	116.89	378 164298	5.65 5161	100.00 117.93	478	1643051.38 516863.26 120.00	578 1642797.65	5 515900.00 82.83	678 1642770	.37 516650.00 59.12	778	1642900.00 516350.00 86.31			
80 1643123.79	516771.84 106.82 516780.90 108.62	180	1642749.56 516587.67 67.53 1642738.49 516600.00 73.06	280 164265	0.00 516990.74	116.85	380 164297	5.40 5161	100.00 120.00	480	1643048.65 516862.01 120.00 1643040.47 516858.27 117.61	580 1642756.62	515900.00 86.83	680 1642804	.39 516650.00 58.48 .39 516650.00 57.48	780	1642900.00 516400.00 83.48 1642900.00 516450.00 79.39			
	516784.95 112.78 516788.35 111.44		1642724.62 516619.13 80.00 1642724.51 516600.00 80.06		60.00 516988.24 60.00 516985.74				100.00 120.00 150.00 120.00		1643038.20 516857.23 117.61 1643035.92 516856.19 117.61				.39 516650.00 58.48 .39 516700.00 58.98	→	1642900.00 516500.00 74.09 1642900.00 516550.00 67.61			
	516808.50 111.85 516839.80 113.00		1642724.62 516583.43 80.00 1642727.67 516550.00 78.47						150.00 120.00 150.00 118.03		1643028.43 516852.77 120.00 1643019.92 516848.87 120.00		5 515945.67 64.00 5 515950.00 61.83		.39 516700.00 57.98 .39 516700.00 58.98	→	1642900.00 516600.00 59.99 1642900.00 516650.00 60.36			
85 1643067.21	516870.52 114.20	185	1642730.15 516514.67 77.23	285 164262	5.00 516986.45	116.82	385 164298	5.06 5161	150.00 118.03	485	1643023.78 516908.94 119.97 1643021.41 516907.11 120.00	585 1642797.65		685 1642769		785	1642900.00 516700.00 60.86 1642900.00 516750.00 61.36			
87 1643052.99	516888.26 115.13 516888.33 115.71	187	1642728.46 516510.67 78.08 1642730.94 516500.00 76.84	287 164260	0.00 516989.67	116.78	387 164297	4.98 5161	150.00 120.00	487	1643014.29 516901.61 117.52	587 1642817.65	515961.67 52.00	687 1642756	.62 516700.00 64.00	787	1642900.00 516800.00 61.86			
	516900.00 116.26 516908.74 117.65	189	1642735.27 516483.67 74.67 1642730.53 516481.67 77.04	289 164257	5.00 516992.88	116.75	389 164299	3.97 5162	200.00 120.00	489	1643012.31 516900.08 117.52 1643010.33 516898.55 117.52	589 1642797.65	5 515969.67 48.00	689 1642760	.62 516750.00 64.00 .62 516750.00 64.00	789	1642900.00 516850.00 72.47 1642900.00 516900.00 94.14			
90 1643026.64	516905.47 120.06 516910.63 120.92	190	1642731.00 516478.67 76.81 1642736.56 516469.67 74.03	290 164257	75.00 516990.38 75.00 516987.88	116.75	390 164299	5.96 5162	200.00 120.00 200.00 118.12	490	1643003.71 516893.43 120.00 1642996.41 516887.79 120.00	590 1642817.65	5 515969.67 48.00 5 515989.67 48.00	690 1642768	.29 516750.00 60.17 .39 516750.00 59.48	790	1642900.00 516950.00 117.42 1642950.00 516900.00 107.55			
92 1643024.32	516913.87 121.16	192	1642732.84 516467.67 75.89	292 164255	50.00 516993.60	116.71	392 164298	4.46 5162	200.00 118.12	492	1642991.43 516943.07 119.96	592 1642826.57	515998.59 50.97	692 1642804	.39 516750.00 58.48	792	1642950.00 516850.00 90.17			
94 1643022.75	516915.02 119.89 516919.16 118.14	194	1642736.58 516450.00 74.02 1642733.76 516427.67 75.43	294 164255	60.00516991.0960.00516988.59	116.71	394 164297	4.56 5162	200.00 118.12 200.00 120.00	494	1642989.47 516940.79 120.00 1642983.60 516933.98 117.44	594 1642806.39	5 516001.67 52.00 5 516001.67 52.00	694 1642806	.39 516750.00 59.48 .39 516800.00 59.98	794	1642950.00 516800.00 78.05 1642950.00 516750.00 67.65			
 	516930.55 119.24 516943.87 119.65		1642731.88 516400.00 76.37 1642731.34 516383.67 76.64		5.00 516994.31 5.00 516991.81	+			200.00 120.00 256.53 120.00		1642981.96 516932.08 117.44 1642980.33 516930.19 117.44		9 515998.59 50.97 9 516001.67 52.00	_	.39 516800.00 58.98 .39 516800.00 59.98	4	1642950.00 516700.00 65.45 1642950.00 516650.00 74.60			
97 1642986.45	516947.24 120.00 516948.64 120.00	197	1642735.59 516350.00 74.51 1642739.61 516319.67 72.50	297 164252	5.00 516989.31 9.05 516989.77	116.68	397 164299	5.30 5162	256.50 120.00 256.39 118.23	497	1642974.80 516923.77 120.00 1642968.84 516916.85 120.00	597 1642785.65	5 516001.67 52.00 3 515998.59 50.97	697 1642767	.24 516800.00 60.69 .62 516800.00 64.00	797	1642950.00 516600.00 83.61 1642950.00 516550.00 91.58			
99 1642977.38	516950.52 120.00	199	1642740.22 516300.00 72.20	299 164250	4.50 516994.91	116.65	399 164298	3.80 5162	256.36 118.23	499	1642945.59 516960.35 117.35	599 1642797.65	5 515989.67 48.00	699 1642756	.62 516800.00 64.00	799	1642950.00 516500.00 98.36			
100 1642981.64	516951.10 121.00	200	1642742.48 516291.67 71.07	300 164249	3.06 516995.24	116.64	400 164298	1.30 5162	256.33 118.23	500	1642944.39 516958.16 117.35	600 1642785.65	5 515969.67 52.00	/00 1642800	.00 516850.00 62.45	<u> [800</u>	1642950.00 516450.00 103.92			

RECORD DRAWING NOTE

SEE ATTACHED BERGLUND CONSTRUCTION SERVICES, LLC SURVEY FOR ALL AS—BUILT ELEVATIONS, LOCATIONS, AND SLOPES.

RECORD DRAWING

SITE GRADING CONTROL POINTS TABLE

CITRUS COUNTY
SOLID WASTE MANAGEMENT DIVISION
CITRUS COUNTY, FLORIDA

6 of 21

DRAWING NO.

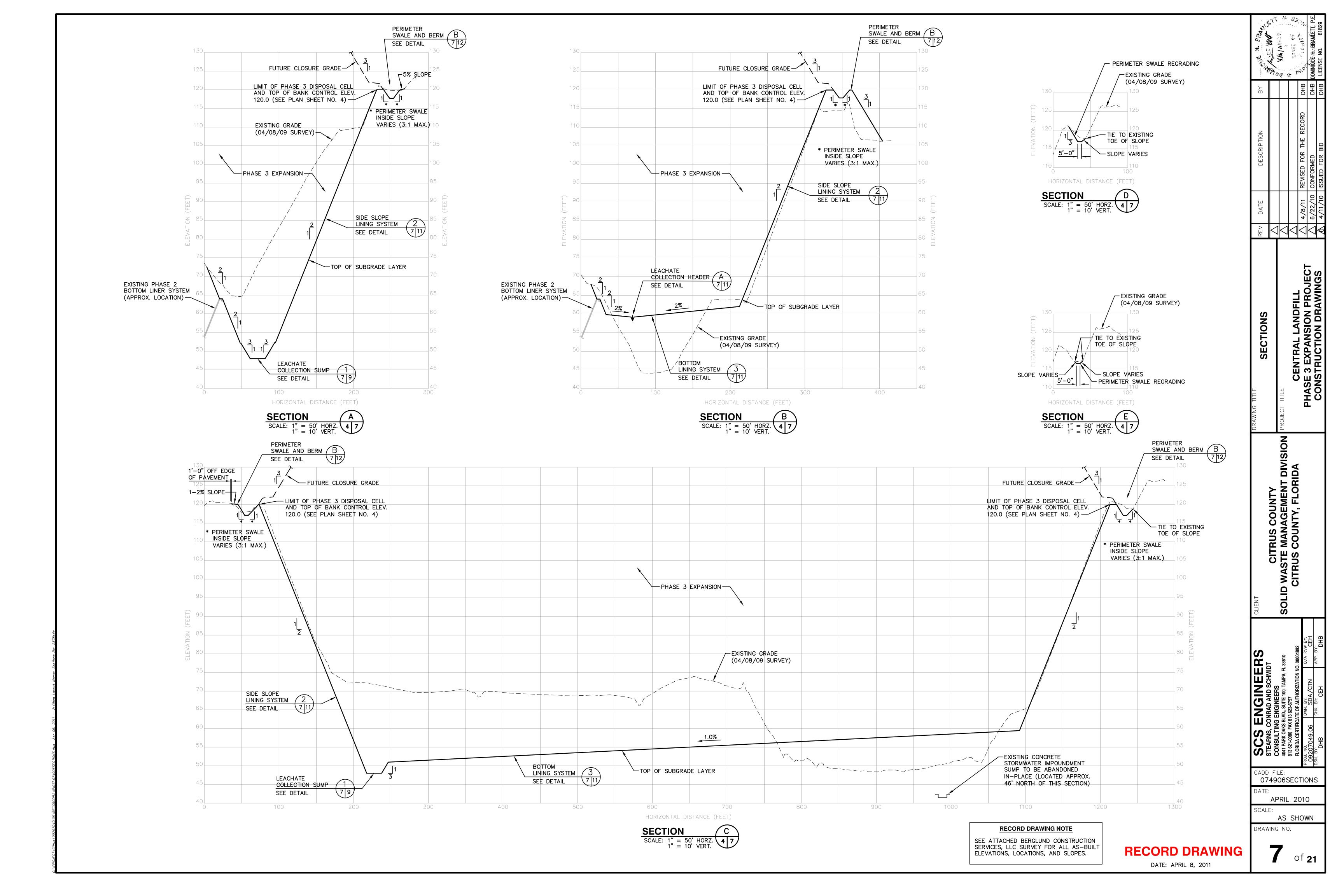
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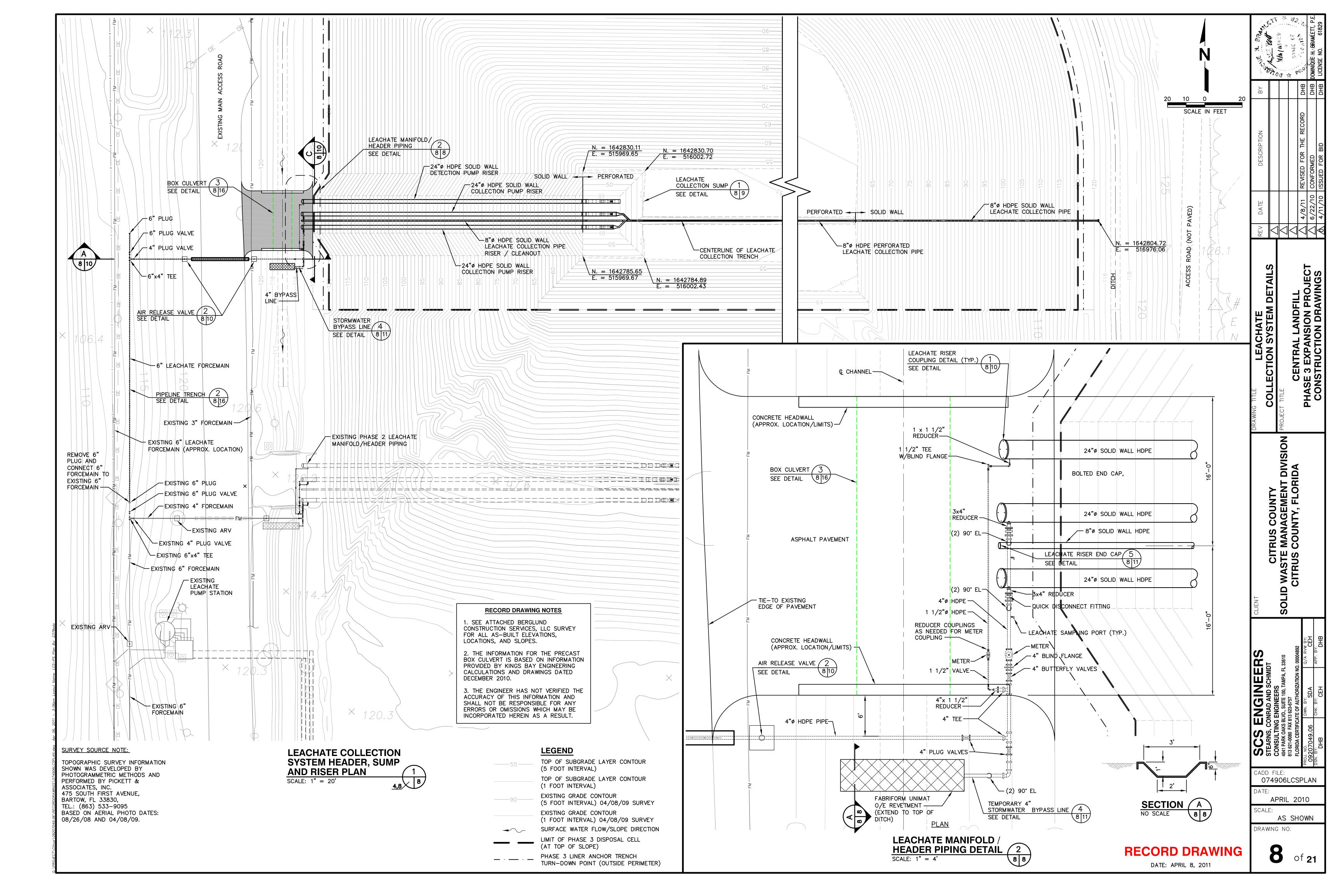
074906GRAD-CNTR

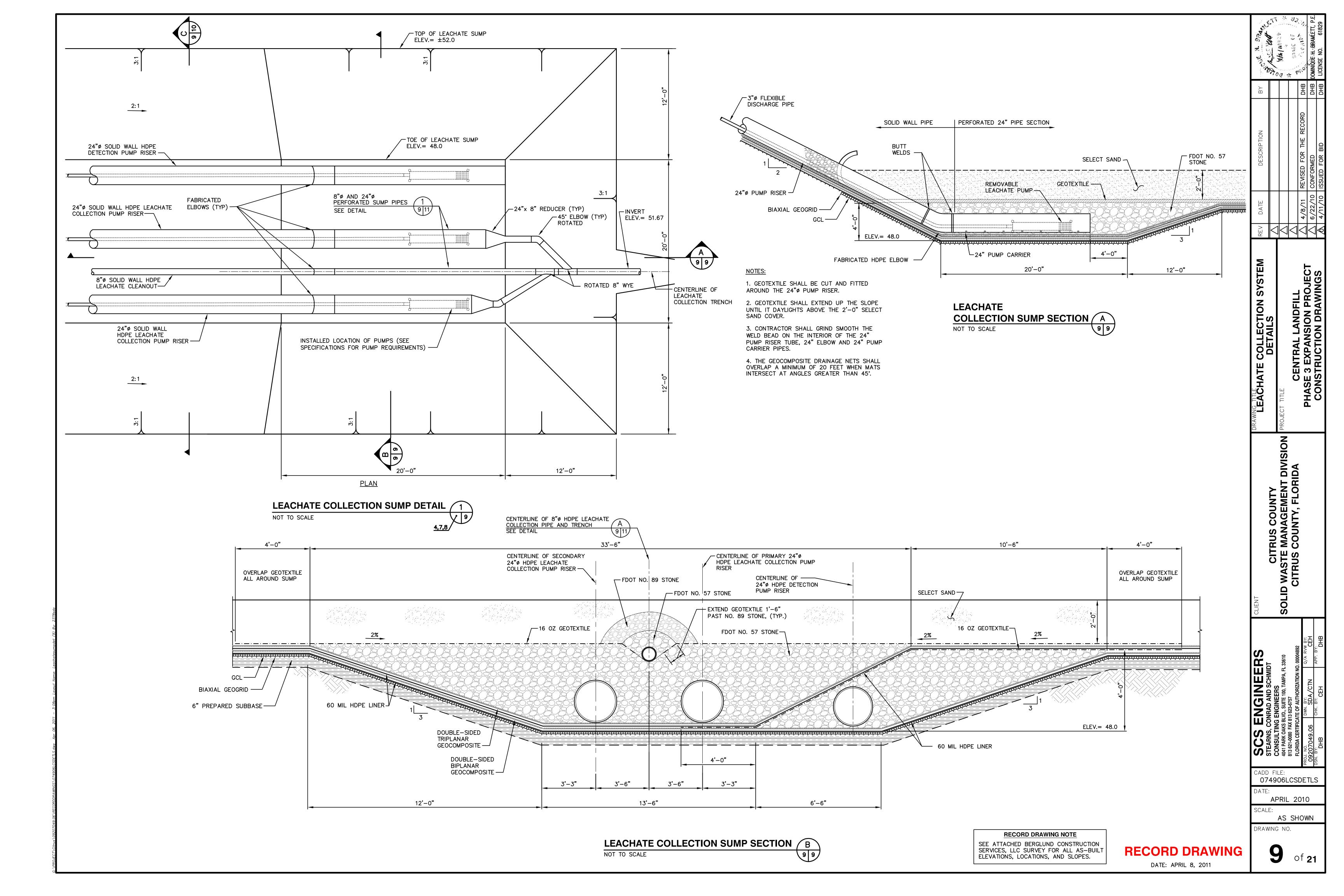
APRIL 2010

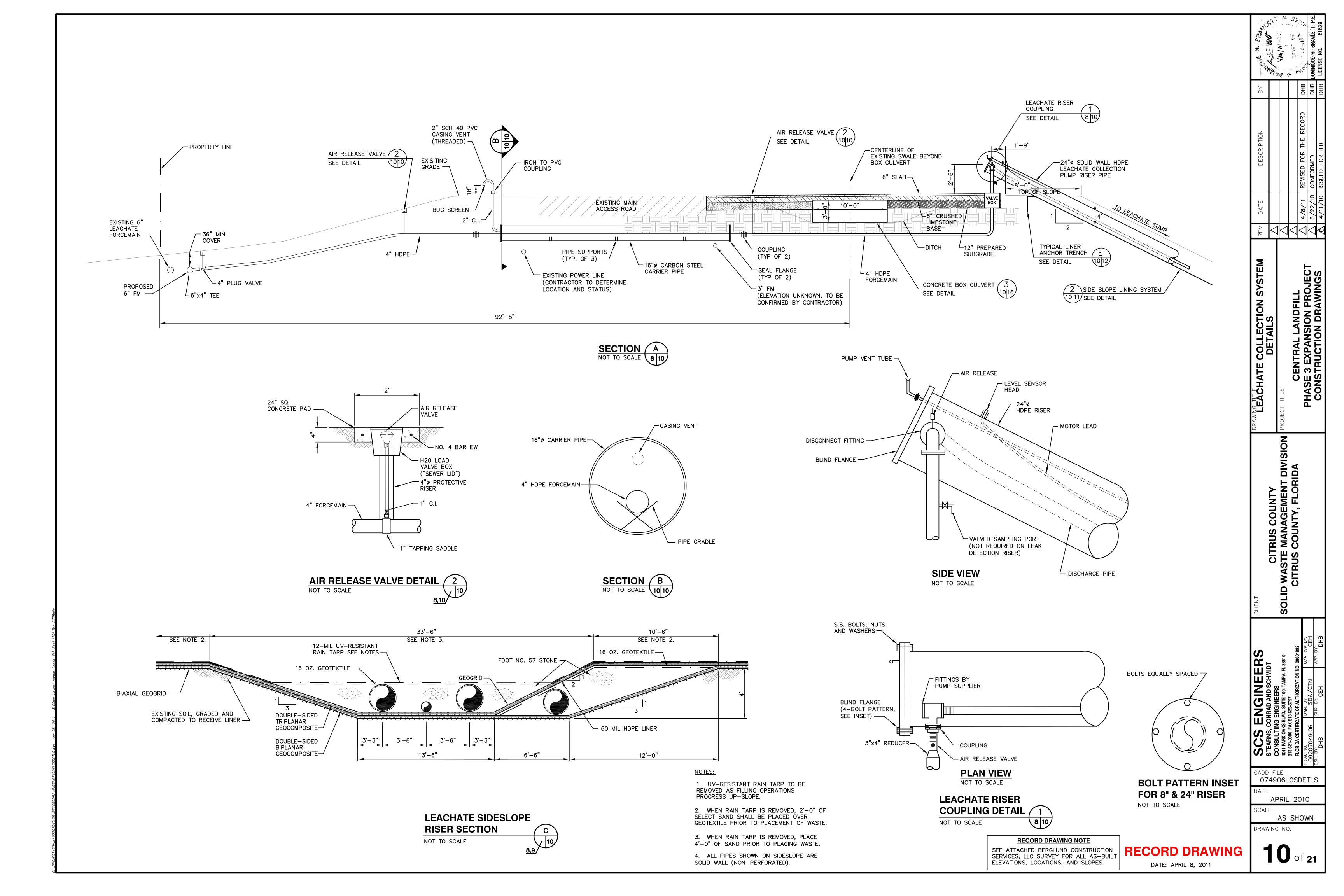
AS SHOWN

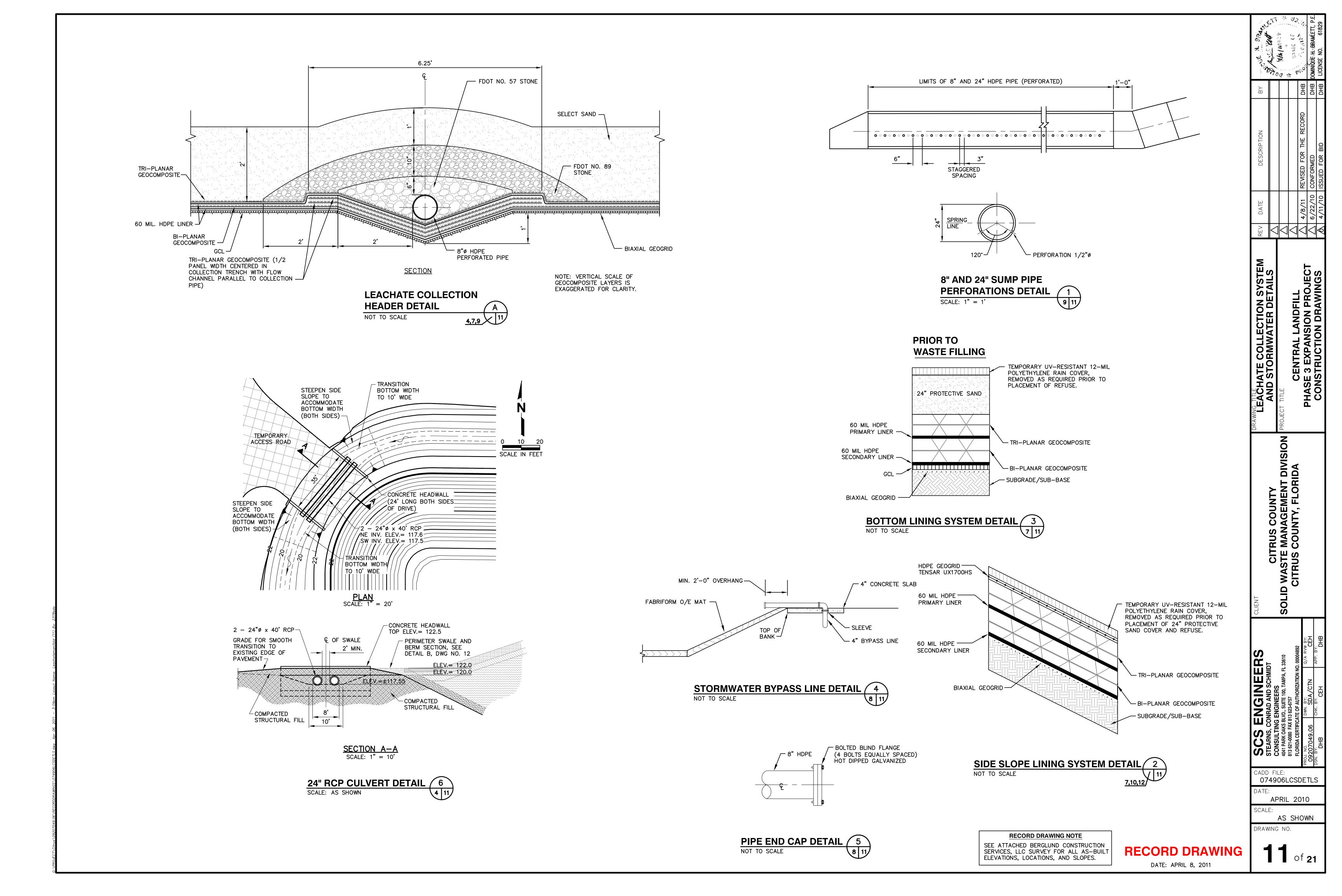
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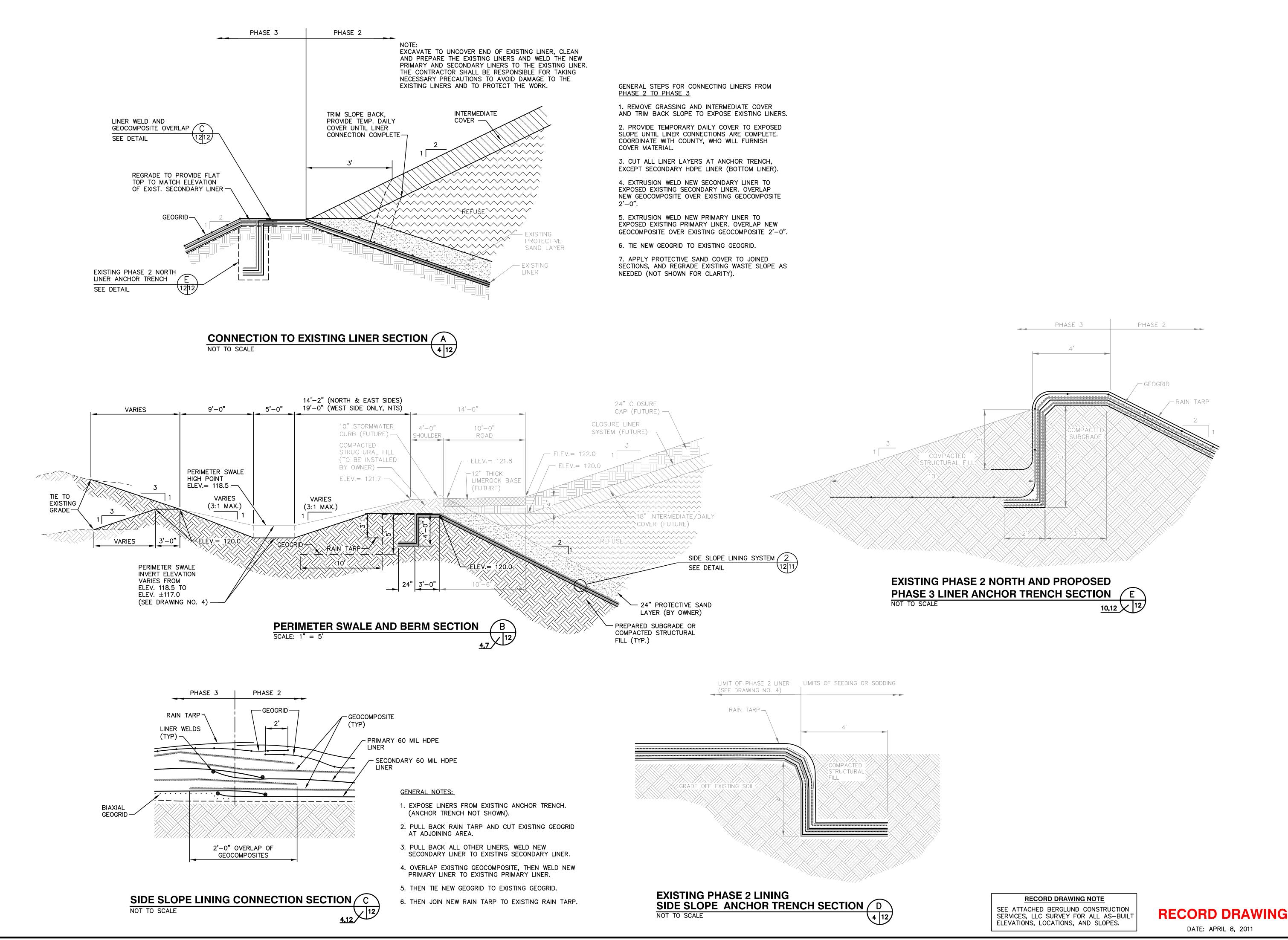




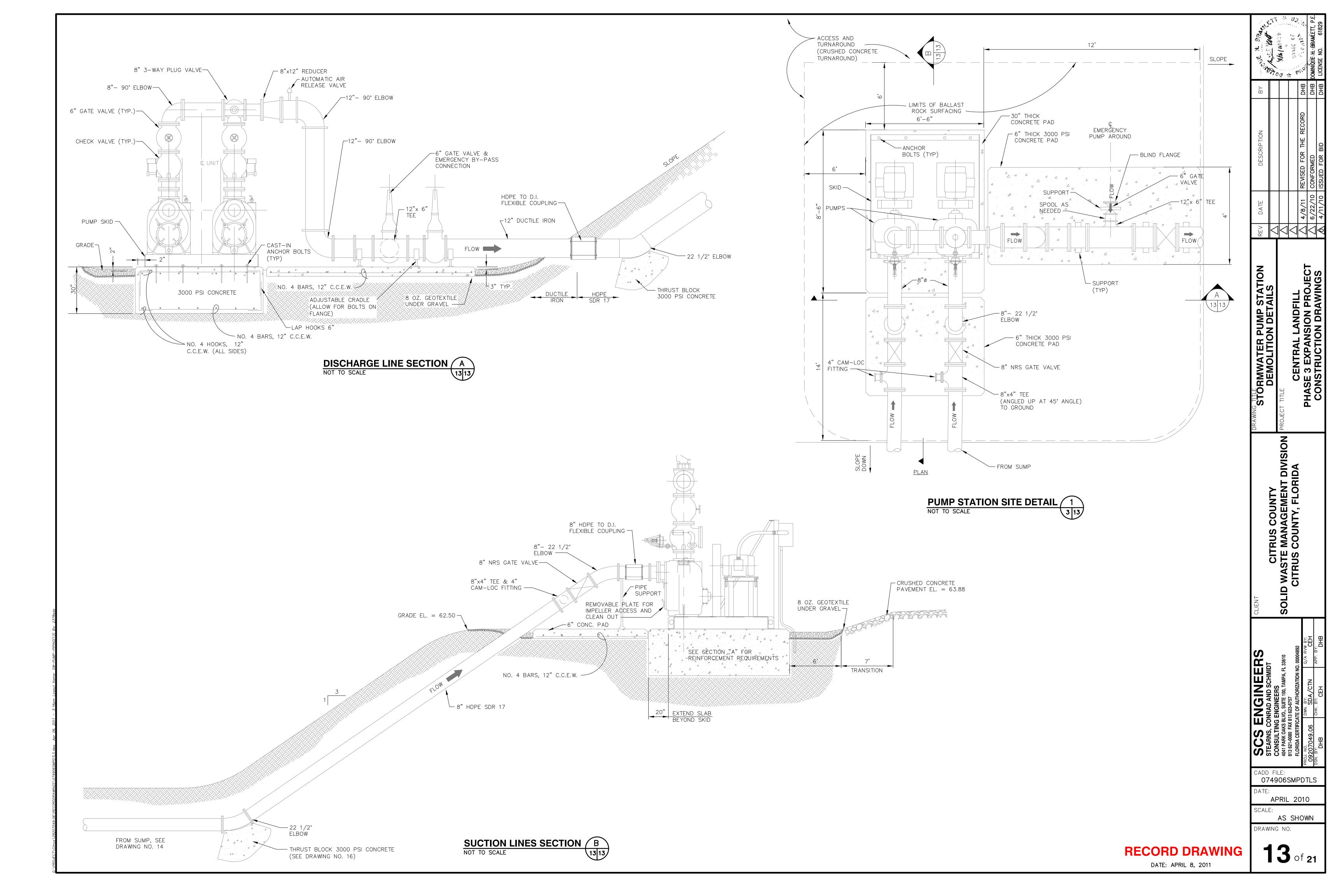


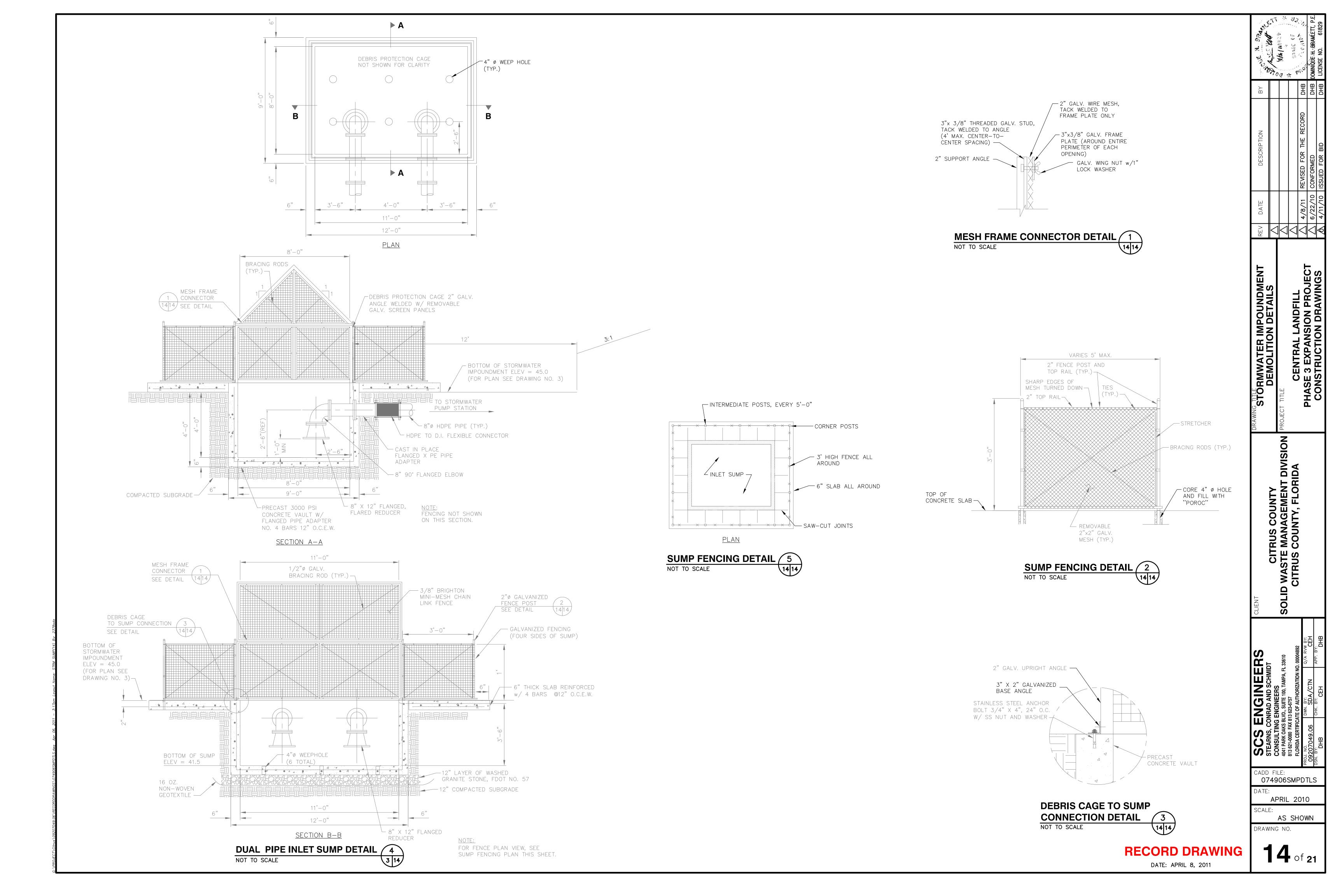


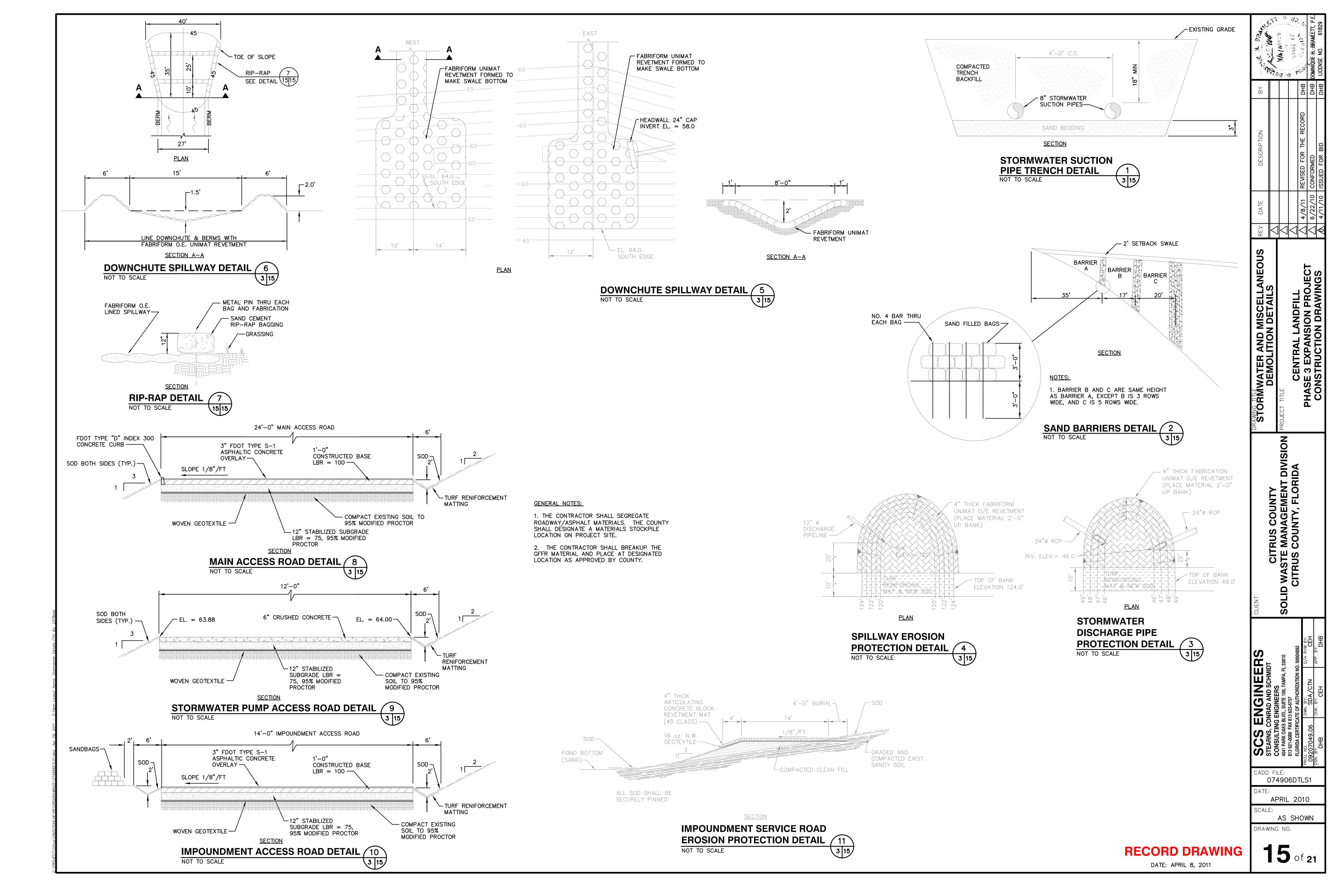


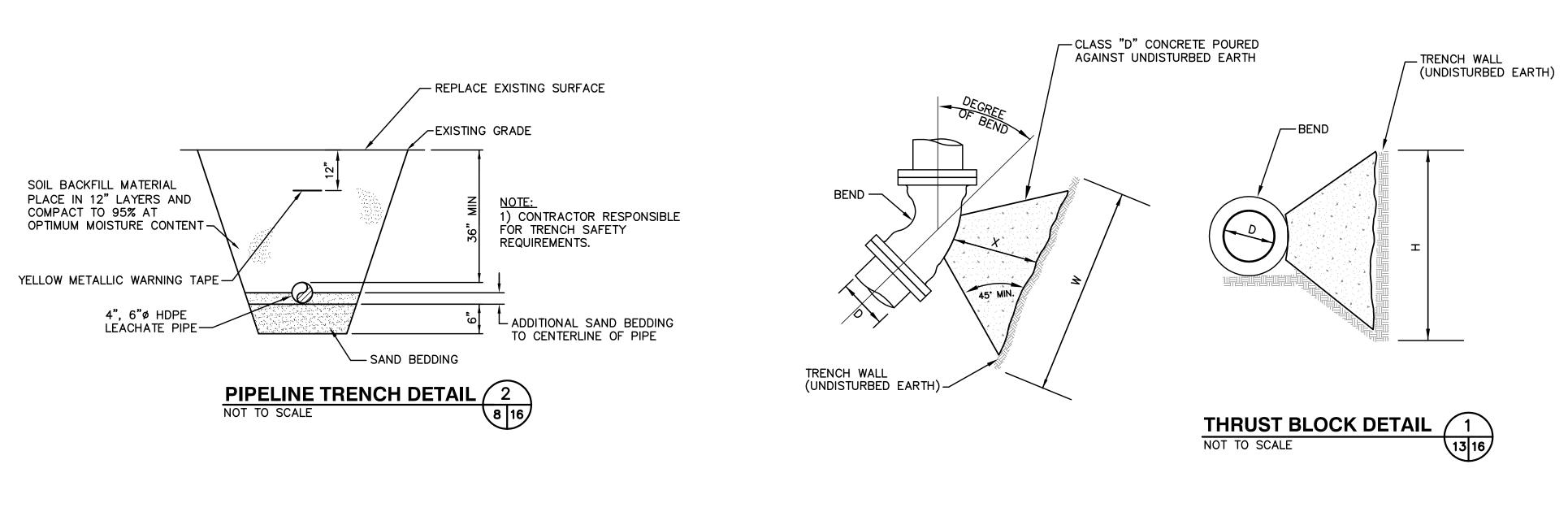


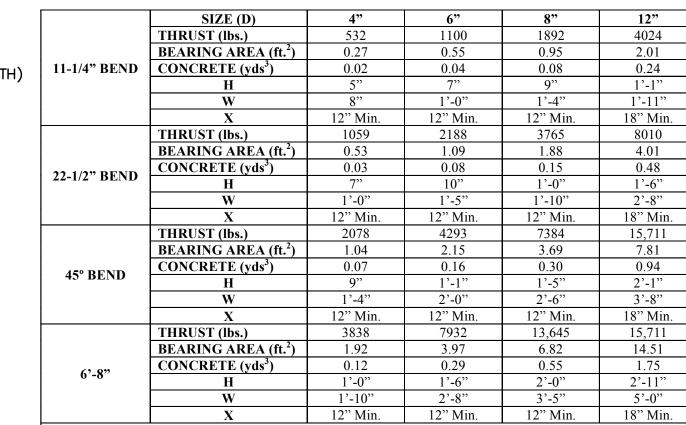
SYSTEM AND TRENCH S 画 の E CITRUS COUNTY
WASTE MANAGEMENT DI
CITRUS COUNTY, FLORIDA CADD FILE: 074906DTLS1 APRIL 2010 SCALE: AS SHOWN DRAWING NO.











DIMENSIONS OF THRUST BLOCKS FOR GOOD SOIL

NOTES:

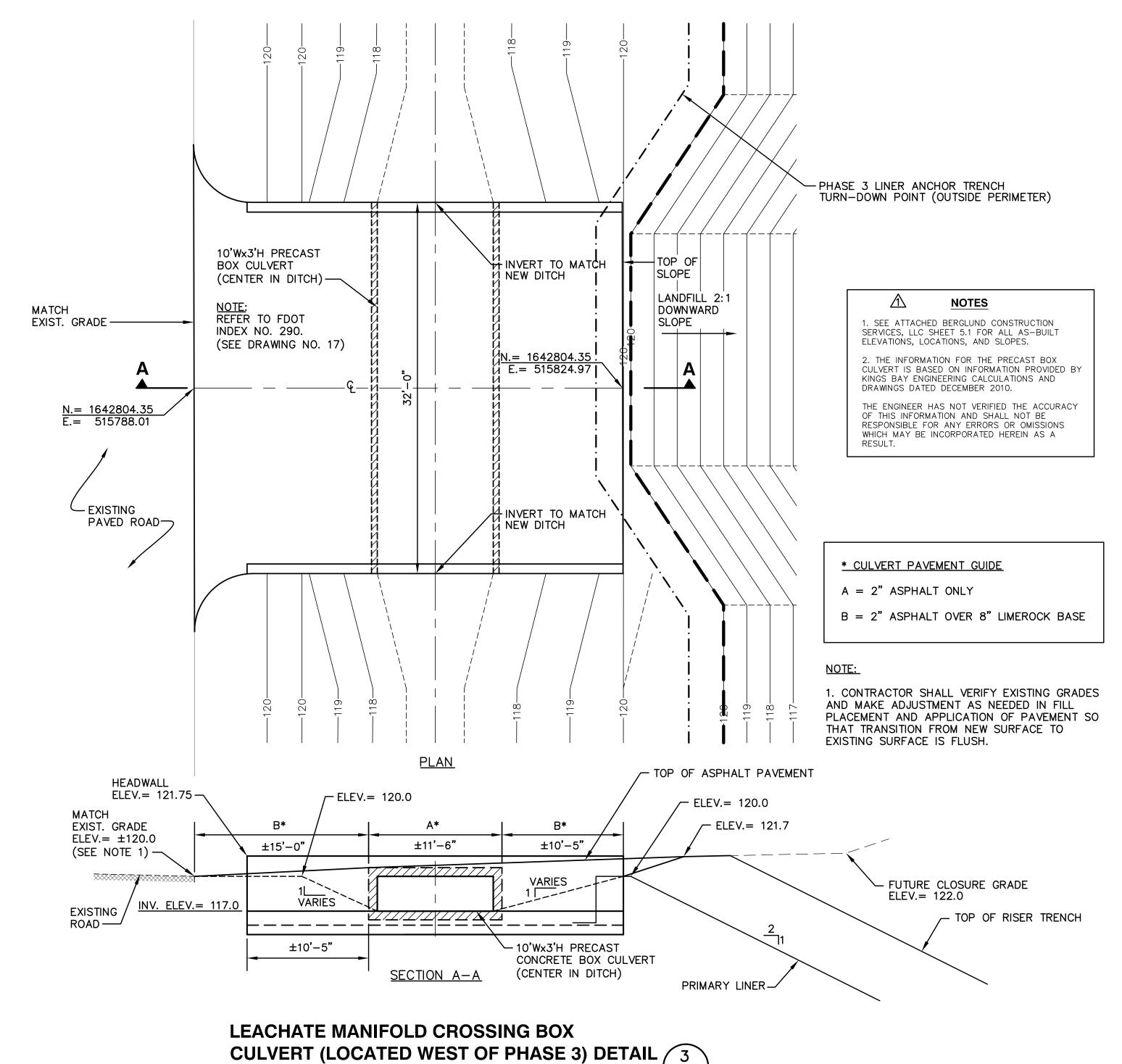
1. Concrete shall be kept at sufficient distance from joint for removal of all joint accessories including bolts.

2. All bearing surfaces to be carried to undisturbed soil.

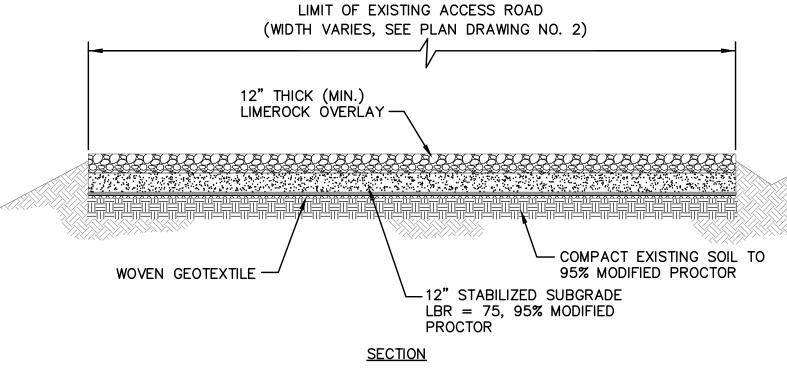
3. This table shows the minimum size thrust blocks for soil bearing pressure of 2000 psf and an internal pressure of 150 psi

4. Poor and wet sol (silty soils, clay, muck and peat) will require larger thrust blocks.

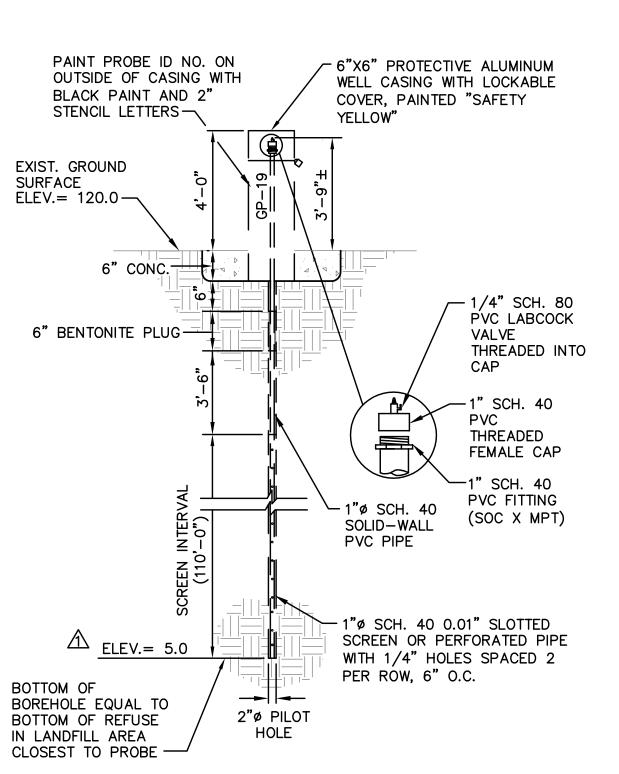
5. Fittings shall be completely polywrapped prior to pouring thrust blocks.



SCALE: 1" = 6"



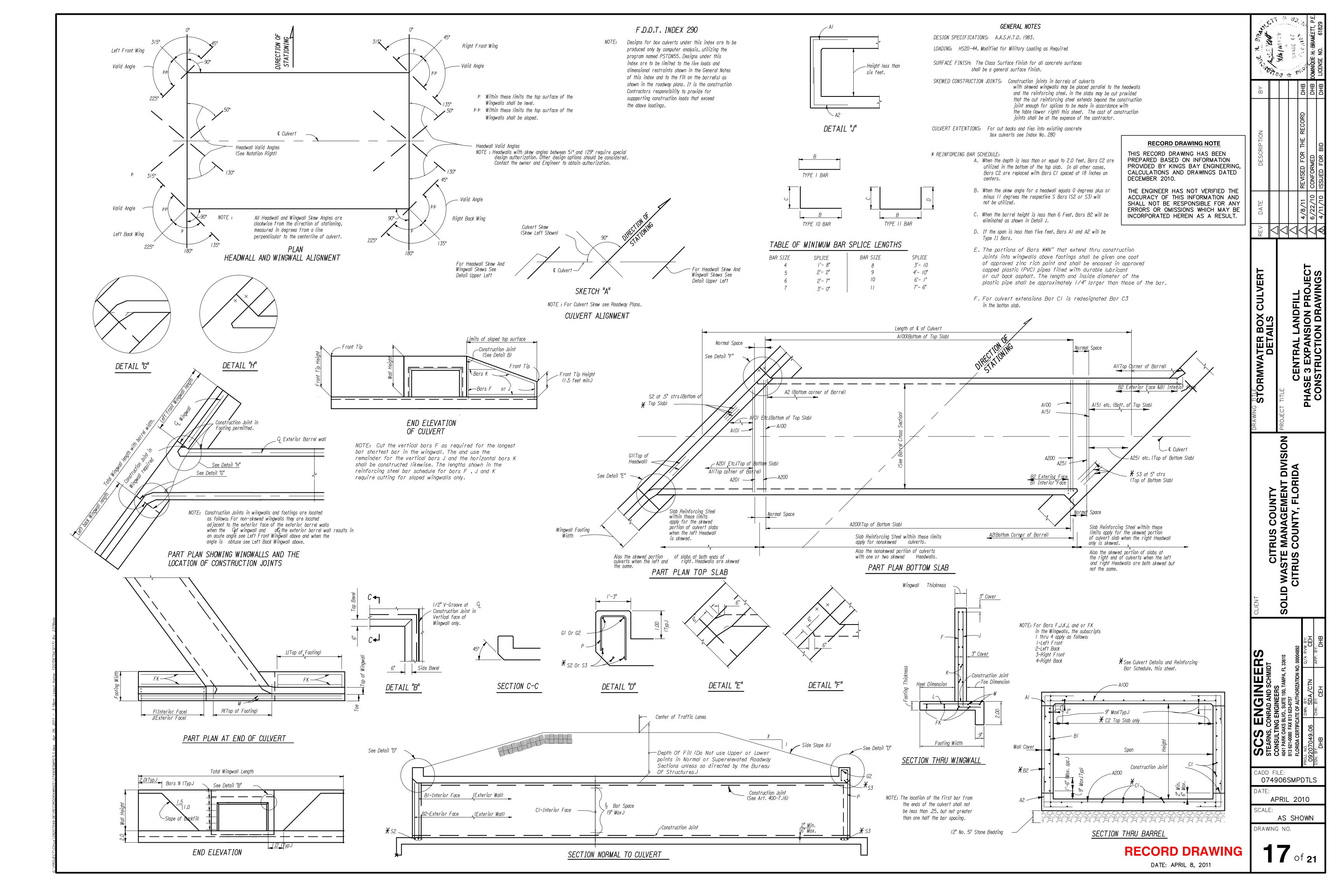
ACCESS RAMP OVERLAY DETAIL 5
NOT TO SCALE 2 16

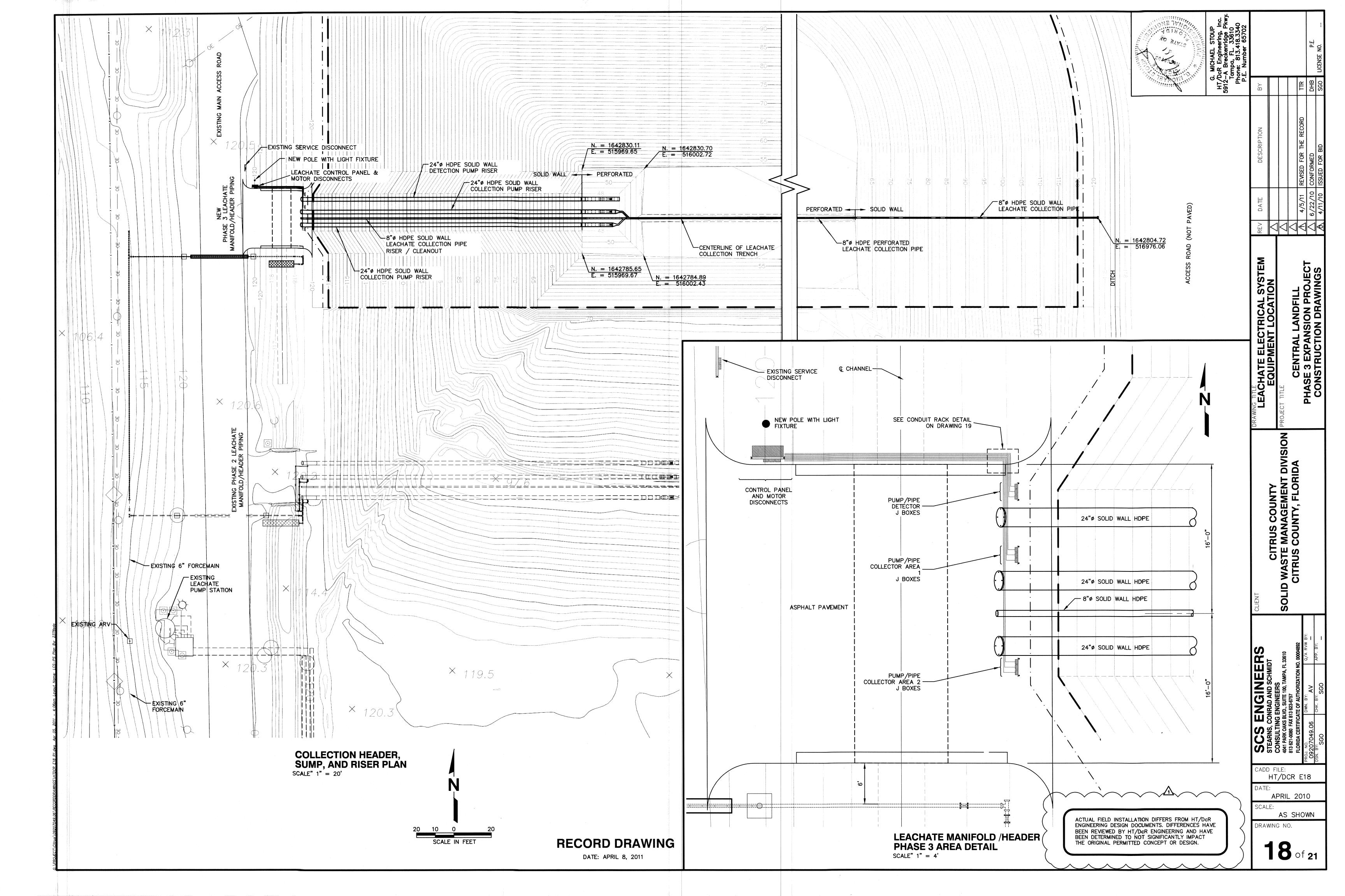


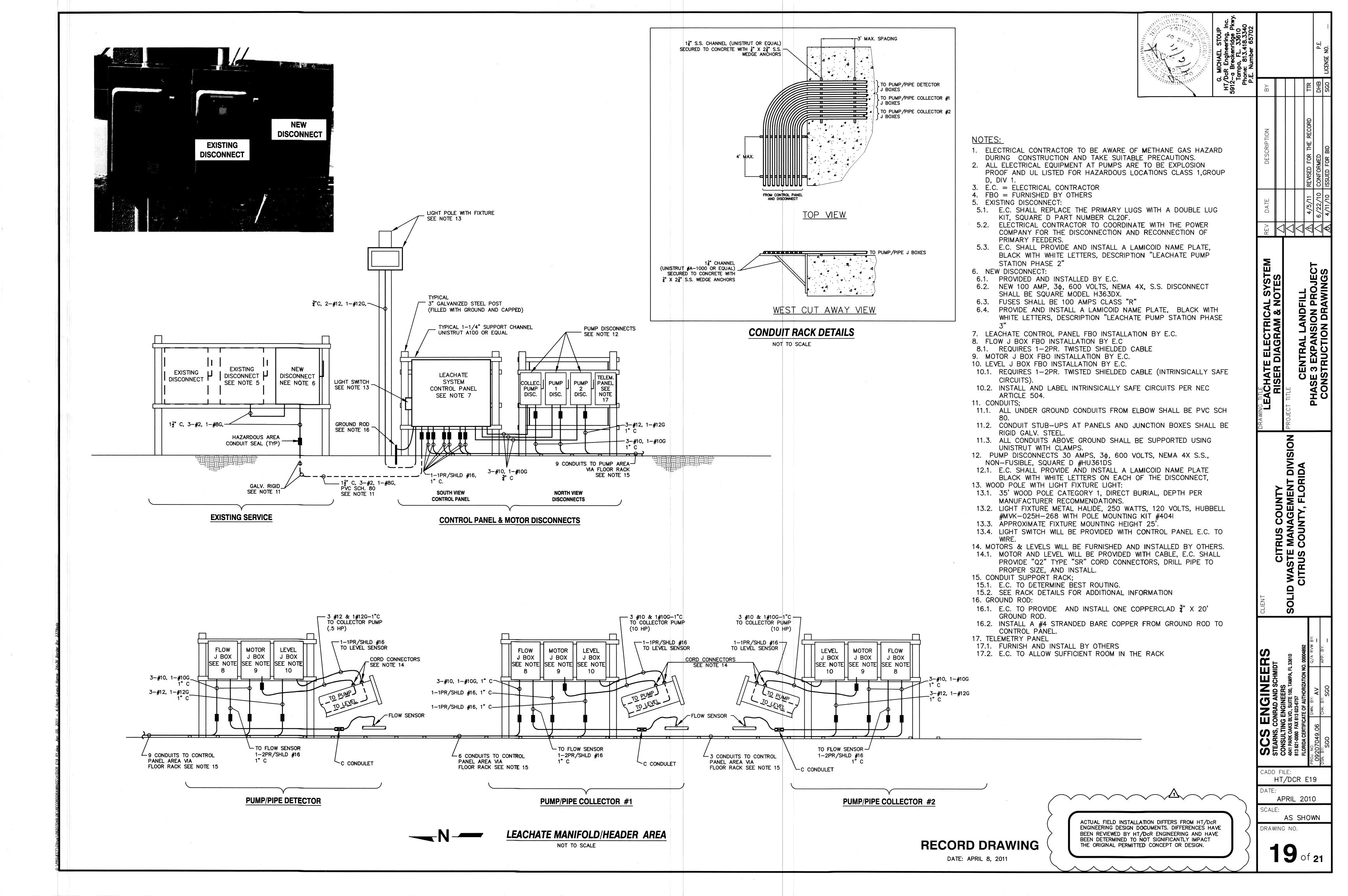
LFG MONITORING PROBE DETAIL 4
NOT TO SCALE 2 16

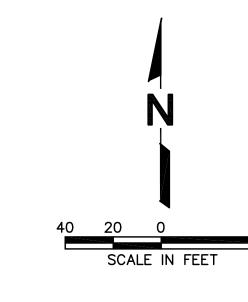
RECORD DRAWING

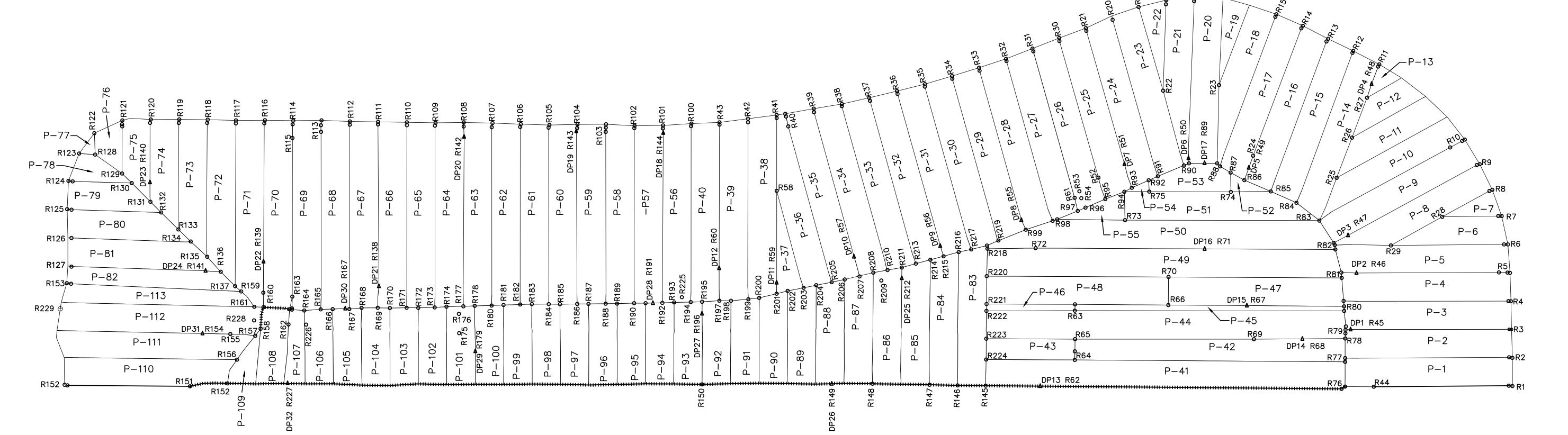
DATE: APRIL 8, 2011











EXISTING PHASE-2

<u>LEGEND</u>

EXTRUSION WELD

FUSION WELD

P-43

R59

REPAIR NUMBER

DP13

DESTRUCTIVE SAMPLE NUMBER

REPAIR

DESTRUCTIVE SAMPLE

BOOT AROUND 24" HDPE PIPE

RECORD DRAWING

DATE: APRIL 8, 2011

20 of 21

SCALE:

DRAWING NO.

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610
813 621-0080 FAX 813 623-6757

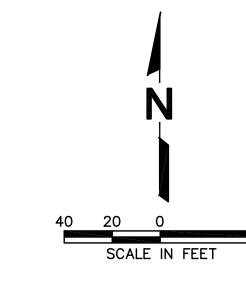
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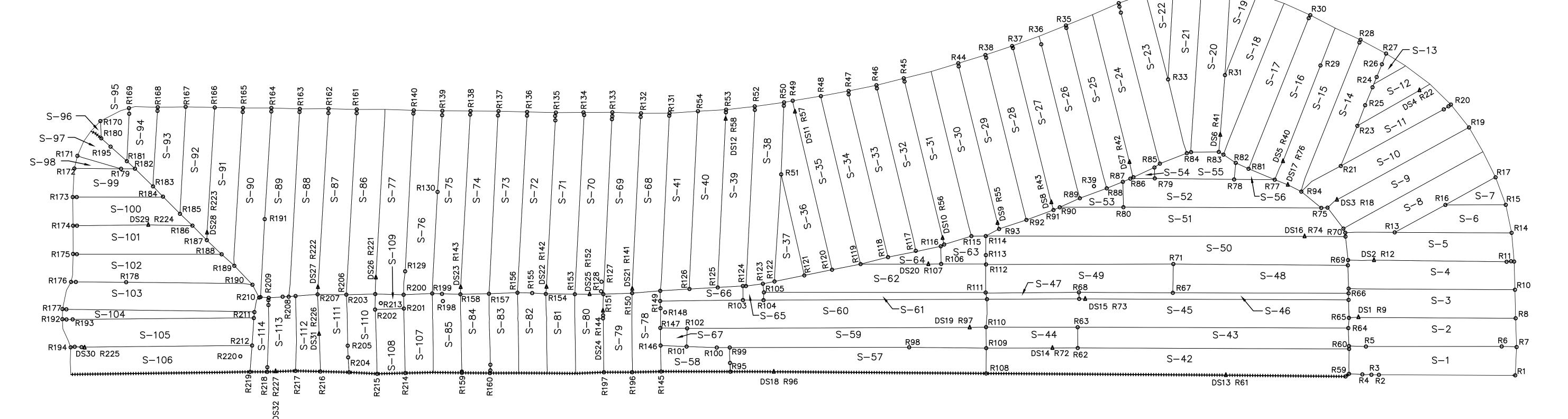
APRIL 2011

AS SHOWN

PRIMARY LINER AS-BUILT PANEL LAYOUT

CITRUS COUNTY
SOLID WASTE MANAGEMENT DIVISION
CITRUS COUNTY, FLORIDA





EXISTING PHASE-2

<u>LEGEND</u>

***************************************	EXTRUSION WELD
	FUSION WELD
S-43	SECONDARY PANEL NUMBER
R59	REPAIR NUMBER
DS13	DESTRUCTIVE SAMPLE NUMBER
0	REPAIR

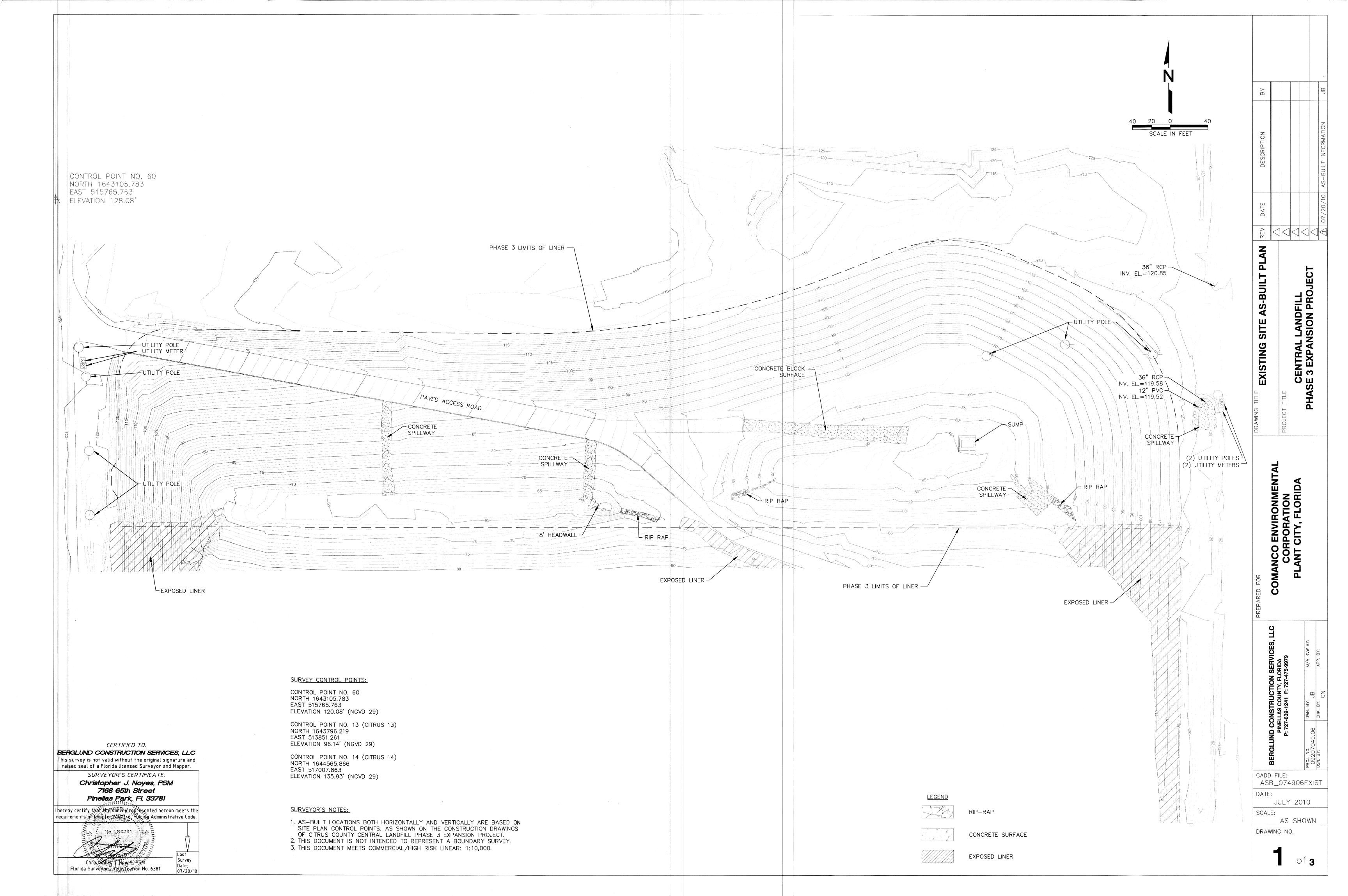
DESTRUCTIVE SAMPLE

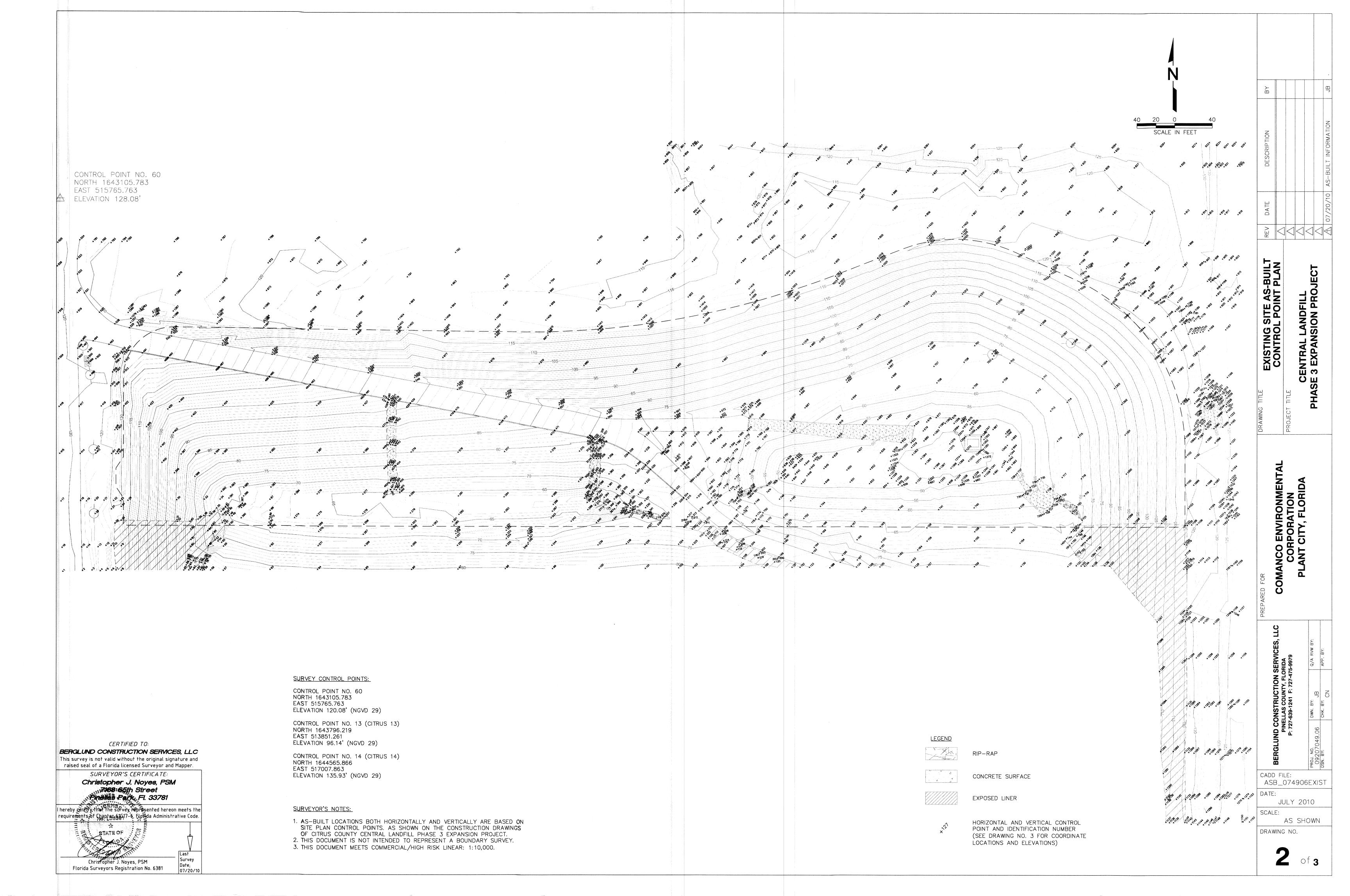
SECONDARY LINER AS-BUILT PANEL LAYOUT CITRUS COUNTY
SOLID WASTE MANAGEMENT DIVISION
CITRUS COUNTY, FLORIDA S, CONRAD AND SCHMIDT TING ENGINEERS CADD FILE: **074906SECONDARYLINE**F APRIL 2011 AS SHOWN DRAWING NO.

RECORD DRAWING

DATE: APRIL 8, 2011

21 of 21





ELEV. POINT NOTHING (FT.) NO. 120.20 161 1642733.79 516640.34 68.47 321 1642848.31 516340.52 78.44 481 1642896.74 516091.06 99.49 641 1642806.03 516546.85 48.41 801 1643063.41 516508.95 117.91 961 1642992.20 516238.67 115.44 1121 1642758.62 1642708.13 515790.01 119.88 162 1642725.25 516659.82 70.81 322 1642849.29 516336.52 78.77 482 1642896.05 516090.73 99.97 642 1642812.79 516550.02 48.61 802 1643063.06 516523.36 111.67 962 1643010.18 516238.79 116.08 1122 1642711.45 516963.90 119.69 1282 1642566.91 517017.06 125.42 1642708.66 515800.19 119.12 163 1642718.99 516673.51 73.22 323 1642847.72 516334.04 79.47 483 1642907.60 516032.71 104.28 643 1642907.60 516032.72 516550.05 48 40 804 164298.76 51688.72 115.73 964 164298.76 51688.72 115.73 964 164298.76 51688.72 115.73 964 164298.76 51688.72 115.73 964 164298.76 51688.72 115.73 964 164298.76 51688.72 115.73 964 164298.76 51688.72 115.73 964 164298.76 51688.72 115.73 964 164298.76 51688.72 115.73 964 164298.76 51688.72 115.73 964 164298.76 51688.72 115.73 964 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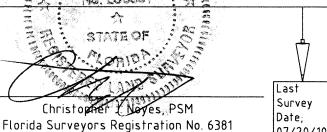
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CERTIFIED TO: BERGLUND CONSTRUCTION SERVICES, LLC This survey is not valid without the original signature and raised seal of a Florida licensed Surveyor and Mapper.

> SURVEYOR'S CERTIFICATE: Christopher J. Noyes, PSM 7166 65th Street Rinetias Park, Fl. 33781

Thereby certify hat the survey represented hereon meets the requirements of Chapter, 61617-6, Florida Administrative Code.

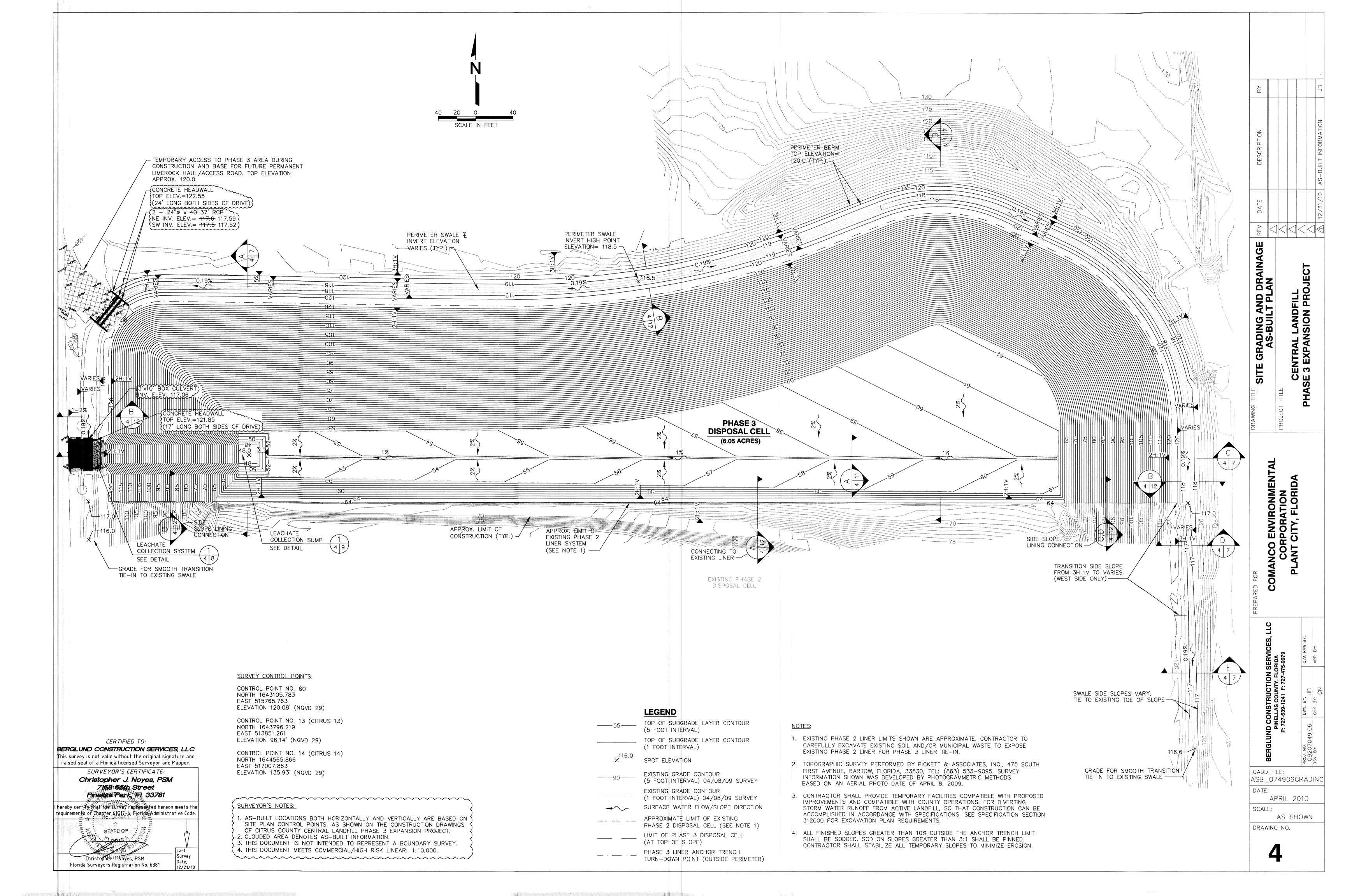


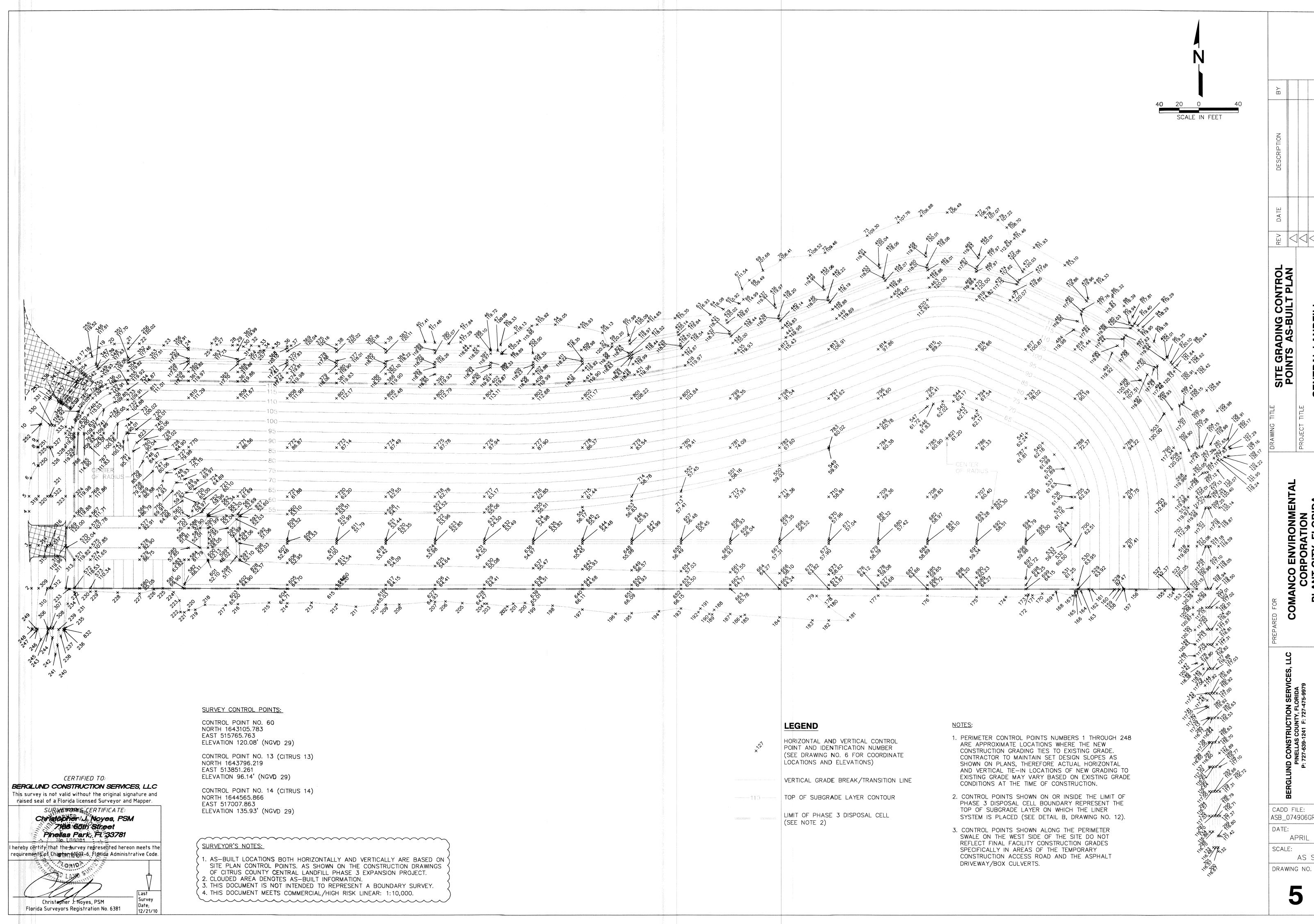
EXISTING SITE AS-BUILT CONTROL POINT TABLE

ATIOI FLOI RPOR/ CITY,

CADD FILE: ASB_074906EXIS DATE: JULY 2010

SCALE: AS SHOWN DRAWING NO.

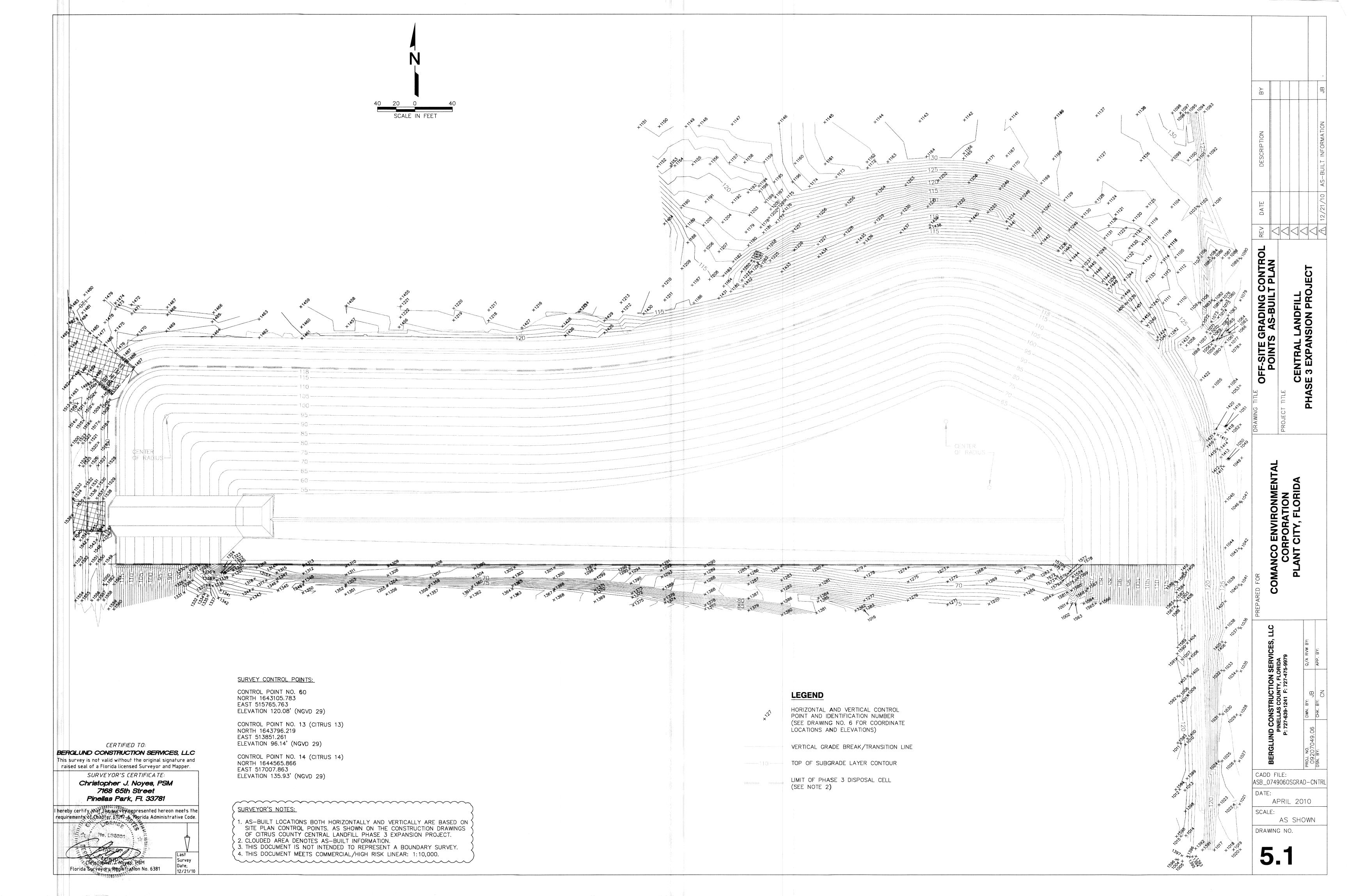




CADD FILE: ASB_074906GRAD-CNTRL

DATE: APRIL 2010 SCALE:

AS SHOWN



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39 1643006.50 516150.00 117.69 . 40 1643007.20 516190.03 117.30 117.41 (T)	138 1642600.00 516985.56 117.15 117.05 (T) 238 1642707.90 515819.91 119.55 . 139 1642625.00 516985.12 117.18 117.13 (T) 239 1642714.40 515817.70 118.08 140 1642635.98 516984.89 117.25 117.07 (T) 240 1842698.93 515816.51 116.18	339 1642939.79 515830.16 120.09 / 439 1643030.81 516550.00 118.21 118.07 539 1642893.14 516828.99 62.01 61.99 639 1642756.62 516300.00 64.00 65.01 (T) 739 1642949.62 515852.52 118.00 118.11 740 1642945.35 515856.74 115.00 115.03
41 1643006.47 516200.00 117.50 117.48 (T) 42 1643005.49 516214.01 117.77 117.84 (T) 43 1643007.11 516226.03 117.18 117.29 (T)	141 1642636.93 516983.47 117.71 117.55 (T) 241 1642689.39 515814.89 114.73 . 142 1642642.95 516984.11 117.45 117.45 (T) 242 1642706.24 515811.59 115.97 . 143 1642650.00 516983.64 117.55 117.45 (T) 243 164274.67 515807.25 115.92 . 144 1642657.00 515807.25 118.93 	341 1642968,83 515833,83 117.41 . 441 1643021.60 516553.15 120.00 119.83 541 1642914.71 516800.75 62.16 62.24 641 1642760.62 516350.00 64.60 64.68 (T) 741 1642938.24 515863.77 110.00 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.89 109.
44 1643003.17 516235.98 118.46 118.64 (T) 45 1643003.06 516243.98 118.46 118.55 (T) 46 1642999.27 516256.55 119.68 119.72 (T)	144 1642657.90 516982.01 118.03 117.92 (T) 145 1642675.00 516980.33 118.45 118.19 (T) 146 1642679.84 516979.56 118.67 118.38 (T) 147 1642680.66 516973.46 120.70 120.42 (T)	345 1642952.46 515849.71 120.00 120.05 445 1643049.50 516600.00 118.11 118.05 546 1642944.58 516706.12 61.81 61.83 646 1642806.39 516400.00 55.98 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.93 55.9
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50 1643004.23 516266.64 123.00 118.33 (T) 51 1643016.31 516282.11 126.98 116.13 (T) 52 1643023.60 516298.61 129.25 115.95 (T) 53 1643024.86 516304.19 129.59 115.92 (T)	150 1642714.69 516971.80 120.97 120.73 (1) 151 1642730.58 516969.70 121.54 120.87 (T) 152 1642753.79 516969.52 121.41 120.39 (T) 153 1642756.41 516965.40 119.90 . 253 1642949.27 515809.65 120.00 .	350 1642963.44 515865.83 120.00 119.96 450 1643085.09 516650.86 120.00 120.04 550 1642881.83 516550.00 58.99 59.03 650 1642760.62 516400.00 64.00 64.93 (T) 750 1642853.78 515947.23 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00 6
54 1643024.82 516322.60 129.24 116.05 (T) 55 1643022.09 516346.70 127.68 115.93 (T) 56 1643016.52 516370.41 124.98 116.13 (T)	154 1642755.48 516950.00 113.04	355 1642977.29 515888.31 120.00 119.92 455 1643062.18 516659.87 120.00 119.92 456 1643052.89 516663.52 120.00 119.92 456 1643052.89 516663.52 120.00 119.92 556 1642833.83 516250.00 55.04 55.00 55.04 55.05 55.06 656 1642804.39 516450.00 55.48 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55.45 55
57 1643003.51 516376.04 120.44 120.29 (T) 58 1643002.71 516380.18 120.00 119.96 (T) 59 1643005.72 516380.03 120.00 120.20 (T)	157 1642756.51 518900.00 87.50 . 257 1642998.02 516026.67 120.00 . 158 1642756.60 516899.17 87.04 . 258 1642949.92 516968.24 120.00 120.15 159 1642756.21 516895.17 84.83 . 259 1642903.34 516987.52 120.00 119.98	357 1642989.92 515950.00 117.64 117.57 458 1643093.96 516698.69 120.00 117.64 117.57 458 1643085.01 516698.71 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08 117.92 118.08
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66 1643050.23 516513.39 114.92 114.99 (T) 67 1643060.79 516512.20 111.44 111.54 (T) 68 1643069.78 516519.51 109.31 109.49 (T)	166 1642750.58 516851.01 67.00 . 266 1642874.36 516979.78 117.22 117.28 167 1642749.90 816847.67 87.36 . 267 1642872.90 516971.15 120.00 120.05 168 1642754.09 516830.87 65.26 . 268 1642871.42 516962.43 120.00 119.96	366 1642976.28 516000.00 120.00 119.86
69 1643079.47 516533.37 107.69 107.68 (T) 70 1643090.35 516550.90 106.23 106.41 (T) 71 1643095.18 516581.21 108.37 108.52 (T)	169 1642750,49 516827.67 67.87 . 269 1642850.00 516987.42 117.17 117.25 170 1642751.96 516816.67 66.33 . 270 1642850.00 516984.91 117.17 117.13 171 1842750.26 516806.67 67.18 271 1642850.00 516982.41 117.17 117.27	369 1642997.74 516050.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 119.88 569 1642817.65 515825.67 120.00 120.00 57.48 57.35 769 1642850.00 515900.00 86.83 86.88 371 1642986.24 516050.00 117.83 117.63 471 1643081.08 516798.33 120.00 120.00 571 1642785.65 515835.67 120.00 119.82 57.04 571 1642800.00 550.00 57.48 57.35 769 1642850.00 515900.00 86.83 86.88 371 1642986.24 516050.00 117.83 117.63 471 1643081.08 516798.33 120.00 571 1642806.39 516600.00 57.98 57.04 771 1642900.00 516000.00 86.64 86.56
72 1643097.87 516596.38 109.39 109.46 (T) 73 1643115.34 516638.96 109.16 109.30 (T) 74 1643128.94 516670.62 107.92 107.76 (T)	172 1642751.13 516802.67 66.75 . 272 1642850.00 516973.59 120.00 120.01 173 1642750.21 516800.00 67.21 . 273 1642850.00 516964.79 120.00 119.98 174 1642748.43 516779.67 68.09 274 1642700.00 516989.32 116.92 116.81	372 1642983.74 516050.00 117.83 117.84 472 1643078.35 516797.09 120.00 120.00 118.53 (T) 672 1642983.74 516050.00 516050.00 117.84 117.84 472 1643078.35 516797.09 120.00 120.00 118.53 (T) 672 1642903.9 516600.00 57.98 57.90 572 1642900.00 516050.00 86.93 86.87 87.90 86.87 87.90 87.90 10.00 87.23 1642900.00 516050.00 87.23 87.90 87.90 86.87 87.90 86.87 87.90 87.90 87.90 87.90 87.90 86.87 87.90 87.90 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93 88.93
75 1643135.83 516693.87 106.95 106.88 (T) 76 1643139.16 516720.29 106.34 106.49 (T) 77 1643136.30 516750.00 106.63 106.79 (T)	175 1642748.51 516750.00 68.05 275 1642700.00 516986.82 116.92 116.82 176 1642749.81 518700.00 67.40 276 1642700.00 516984.31 116.92 117.04 177 1642749.88 516850.00 67.38 277 1642675.00 516990.03 116.89 116.88 178 1642749.94 516600.00 67.34 278 1642675.00 516987.53 116.89 116.80	375 1643000.15 516100.00 120.00 120.16 475 1643065.62 516791.26 117.74 117.75 575 164297.65 515850.00 107.83 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85 107.85
78 1643134.04 516759.31 106.90 107.07 (T) 79 1643131.70 516771.84 106.82 107.22 (T) 80 1643123.79 516780.90 108.62 108.70 (T)	178 1642749.94 516600.00 67.34 278 1642675.00 516987.53 116.89 116.80 179 1642749.56 516587.67 67.53 279 1642675.00 516985.03 116.89 117.06 180 1642738.49 518600.00 73.06 . 280 1642650.00 516980.74 116.85 116.92 181 1642724.62 516819.13 80.00 . 281 1642650.00 516988.24 116.85 116.69	378 1642985.65 516100.00 117.93 117.88 478 1643051.38 516863.26 120.00 119.96 578 164297.65 515900.00 82.83 82.90 678 1642802.39 51650.00 59.12 59.08 778 1642900.00 516350.00 86.31 86.37 379 1642975.40 516100.00 117.93 118.06 479 1643048.65 516862.01 120.00 119.86 579 1642785.65 515900.00 86.83 86.75 58.39 779 1642802.39 516400.00 83.48 83.54 83.54 380 1642975.40 516100.00 119.90 480 1643040.47 516858.27 117.61 117.76 580 1642756.62 515900.00 86.83 85.05 (T) 80 1642804.39 516650.00 57.48 57.42 780 1642900.00 516450.00 79.39 79.41
81 1643109.51 516784.95 112.78 112.63 (T) 82 1643112.63 516788.35 111.44 111.46 (T) 83 1643103.32 516808.50 111.85 111.93 (T)	182 1642724.51 516600.00 80.06 282 1642650.00 516985.74 116.85 116.92 183 1642724.62 516583.43 80.00 283 1642625.00 516991.46 116.82 116.63	381 1642965.55 516100.00 120.00 119.83 481 1643038.20 516857.23 117.61 117.60 581 1642756.62 515945.67 64.00 69.90 (T) 681 1642806.39 51650.00 58.48 58.32 781 1642900.00 516500.00 74.09 74.09 382 1642999.56 516150.00 120.00 120.18 482 1643038.20 516856.19 117.61 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64 117.64
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87 1643052.99 516888.33 115.71 115.83 (T) 88 1643043.92 516900.00 116.26 116.39 (T) 89 1643032.76 516908.74 117.65 117.81 (T)	187 1642730.94 516500.00 76.84 287 1642600.00 516989.67 116.78 116.60 188 1642730.53 516481.67 77.04 288 1642600.00 516987.17 116.78 116.60 289 1642730.53 516481.67 77.04 289 1642575.00 516992.88 116.75 116.77	387 1642974.98 516150.00 120.00 120.10 487 1643014.29 516901.61 117.52 117.63 587 1642817.65 515961.67 52.00 52.01 687 164295.62 516700.00 64.00 63.66 (T) 787 1642900.00 516800.00 61.86 61.81 388 1642964.95 516150.00 120.00 119.90 488 1643012.31 516900.08 117.52 117.55 117.55 518901.67 52.00 51.81 688 1642756.62 516750.00 64.00 64.00 64.20 (T) 787 1642900.00 516800.00 61.86 61.81 389 1642998.97 516200.00 120.00 119.98 489 1643010.33 516898.55 117.52 117.44 589 1642797.65 515969.67 48.00 48.10 389 1642998.97 516200.00 120.00 119.98 489 1643010.33 516898.55 117.52 117.44 589 1642797.65 515969.67 48.00 48.10 380 1642998.97 516200.00 120.00 119.98 489 1643010.33 516898.55 117.52 117.44 589 1642797.65 515969.67 48.00 48.10 380 1642998.97 516200.00 120.00 119.98 489 1643010.33 516898.55 117.52 117.44 589 1642797.65 515969.67 48.00 48.10 380 1642998.97 516200.00 120.00 119.98 489 1643010.33 516898.55 117.52 117.44 589 1642797.65 515969.67 48.00 48.10 380 1642998.97 516200.00 120.00 119.98 489 1643010.33 516898.55 117.52 117.44 589 1642797.65 515969.67 48.00 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 48.10 4
90 1643026.64 516905.47 120.06 119.94 (T) 91 1643025.96 516910.63 120.92 119.40 (T) 92 1643024.32 516913.87 121.16 119.29 (T) 93 1643019.35 516915.02 110.89 110.05 (T)	190 1642731.00 516478.67 76.81 290 1642575.00 516990.38 116.75 116.64 191 1642736.56 516469.67 74.03 291 1642575.00 516987.88 116.75 116.62 192 1642732.84 516467.67 75.89 292 1642550.00 516993.60 116.71 116.72	390 1642995.96 516200.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00 120.00
93 1643019.35 516915.02 119.89 119.95 (T) 94 1643022.75 516919.16 118.14 118.29 (T) 95 1643008.05 516930.55 119.24 119.19 (T) 96 1642992.12 516943.87 119.65 119.35 (T)	194 1642733.76 516407.67 73.43 294 1642530.00 516988.59 116.71 116.57 295 1642525.00 516994.31 116.68 116.71	393 1642981.96 516200.00 118.12 118.18 493 1642989.47 516940.79 120.00 119.94 593 164289.65 516001.67 52.00 52.03 693 1642806.39 516750.00 59.48 59.28 793 1642950.00 516800.00 78.05 78.02 794 1642950.00 516750.00 67.65 67.54 694 1642950.00 516750.00 67.65 67.54 695 1642950.00 516750.00 67.65 67.54 695 1642950.00 516750.00 67.65 67.54 695 1642950.00 516750.00 67.65 67.54 695 1642950.00 516750.00 67.65 67.54 695 1642950.00 516750.00 67.65 67.54 695 1642950.00 516750.00 67.65 67.54 695 1642950.00 67.65 67.54 695 1642950.00 67.65 69.41 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695 695
96 1642992.12 516943.87 119.65 119.35 (1) 97 1642986.45 516947.24 120.00 120.10 (T) 98 1642984.71 516948.64 120.00 120.44 (T) 99 1642977.38 516950.52 120.00 120.13 (T)	197 1642/35.39/316380.00/74.31 . 297 1642525.00/316989.31/16.66 116.70 198 1642739.61/516319.67 72.50/72.50 298 1642509.05/516989.77/116.66 116.70	396 1642998.30 516256.53 120.00 120.10 496 1642980.33 516930.19 117.44 117.57 596 1642802.39 516001.67 52.00 52.03 696 1642802.39 516800.00 59.98 59.98 796 1642950.00 516650.00 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60 74.60
99 1642977.38 316950.32 120.00 120.13 (1) 100 1642981.64 516951.10 121.00 120.91 (T)	198 1642740.22 516300.00 72.20 . 299 1642504.50 516994.91 116.65 116.80 200 1642742.48 516291.67 71.07 . 300 1642493.06 516995.24 116.64 116.67	399 1642983.80 516256.36 118.23 118.41 499 1642945.59 516960.35 117.35 117.47 599 1642757.65 515989.67 48.02 699 1642756.62 516800.00 64.15 (1) 799 1642950.00 516500.00 98.36 98.35 400 1642941.39 516958.16 117.35 117.28 600 1642785.65 515969.67 52.00 52.13 700 1642800.00 516850.00 62.45 62.51 800 1642950.00 516450.00 103.92 103.84 103.92 103.84 103.92 103.84 103.92 103.84 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.92 103.9

CERTIFIED TO:

BERGLUND CONSTRUCTION SERVICES, LLC
This survey is not valid without the original signature and raised seal of a Florida licensed Surveyor and Mapper.

SURVEYOR'S CERTIFICATE:
Christopher J. Noyes, PSM
7168 65th Street
Pinellas Park, Fl. 33781

I hereby certify that the Yerway represented hereon meets the requirements of Chapter 161517-6. Florida Administrative Code.

Survey Date; 12/21/10

Christophan Mayes PSM
Florida Surveyors Registration No. 63

LEGEND

(T) TIE—IN ELEVATION AT EXISTING LINER/GRADE.

FIELD MODIFIED TO MEET
EXISTING CONDITIONS.
(SEE OFF-SITE GRADING PLAN SHT 6.1)

AS-BUILT NOTE:

1. CLOUDED AREA DENOTES AS-BUILT INFORMATION.

COMANCO ENVIR

CENTRAL LANDFILL SE 3 EXPANSION PROJECT

SITE GRADING CONTROL POINTS AS-BUILT TABLE

ISTRUCTION SERVICES, LLC
AS COUNTY, FLORIDA
19-1241 F: 727-475-9979

IN. BY:

A. A. R.W. BY:

CADD FILE:
ASB_074906GRAD-CNTRL

DATE:
APRIL 2010

SCALE:

AS SHOWN

DRAWING NO.

T	FF-SITE GF	RADING TABL	
	NORTHING	EASTING	ELEV. (FT.)
t	1642715.18	516849.42	72.15
+	1642714.95 1642718.43	516854.52 516969.91	73.62 120.95
1	1642718.43 1642440.42	516969.91 516967.18	120.95 121.22
+	642438.82	516971.83	120.42
+	1642655.66 1642654.81	516980.07 516971.74	118.04 120.49
4	1642615.89	516969.31	120.55
+	1642616.75	516977.21	119.44
+	642563.67 642564.93	516975.36 516970.26	119.81 121.13
+	1642515.60	516969.05	120.62
+	1642514.82 1642466.19	516974.72 516975.70	120.65 119.70
+	642465.48	516970.37	120.15
╀	1642707.81 1642450.83	516632.28 517006.04	83.31 123.14
+-	642450.42	517018.38	123.69
-	1642451.11 1642451.30	517026.50 517033.81	123.87 125.31
-	642499.76	517033.19	125.54
	642498.99 642498.97	517026.96 517011.20	124.82 124.28
	642545.97	517010.59	124.28
	642546.29	517014.44	125.25
	1642546.12 1642546.12	517027.89 517032.83	126.00 126.24
- Control	642595.46	517034.20	126.75
	642595.68 642596.44	517030.08 517015.53	126.44 125.81
	642596.36	517015.53	126.60
_	642642.95	517013.79	127.54
	642642.82 642642.33	517016.58 517030.24	126.71 126.85
-	642642.26	517034.69	127.33
	642688.78 642688.90	517034.70 517032.10	127.54 126.80
1	1642689.19	517019.16	126,33
_	542734.92 542734.73	517019.06 517032.53	126.32 127.00
-	642734.85	517032.53	127.00
	42773.81 42773.94	517035.44 517032.53	127.64
	342773.94 342774.64	517032.53 517018.06	126.83 126.65
16	42823.88	517018.54	126.82
	642823.57 642823.47	517033.66 517035.68	126.92 127.69
1	642870.47	517035.65	126.78
	642869.16 642869.08	517021.96 517020.33	126.93 127.58
	642869.08 642904.61	517020.33	126.70
	542906.04 542947.72	517034.12	126.92
	42947.72 42946.48	517033.80 517022.45	125.75 126.44
16	342946.40	517005.31	126.33
	642991.81 642991.33	517003.26 516989.47	126.52 126.22
16	642990.69	516976.73	126.36
	642990.03 642989.27	517007.59 517014.18	126.48 126.25
	642989.27 642993.88	517014.18	125.80
	643004.48	517022.15	124.99
_	643023.07 643006.55	517021.28 517019.66	124.62 128.15
1 (643000.90	517013.96	128.87
	642998.23 642996.98	517011.81 517008.93	128.91 129.72
16	42996.50	517005.81	129.24
	42999.90 43003.47	517004.33 517002.10	128.15 127.63
	43003.47 43005.21	517002.10	127.63 126.91
	343013.06 343016.35	516994.00	125.94
_	643016.35 643020.78	517003.48 517010.62	121.37 121.89
16	643029.43	517014.35	122.63
-	643039.19 642990.96	517014.35 517023.35	122.89 125.31
16	642991.68	517033.97	125.31
	43039.01 43038.91	517034.35 517019.51	125.42 124.46
	43038.27	517019.51	122.42
	43038.69	517006.43	121.65
	43039.24 43084.52	517003.88 517000.62	121.67 123.47
16	43084.07	517004.43	123.36
	643084.17 643084.19	517006.47 517015.39	121.92 123.22
1 (643084.18	517022.26	123.51
	643083.67 643083.84	517033.12 517035.37	123.84 124.56
	343083.84 343140.11	517035.37	122.03
	43193.01	517000.35	122.49
	240.50 239.62	516996.39 516987.32	122.43 125.70
16432	239.42	516978.57	131.59
	239.47 239.34	516976.09 516970.68	130.31 132.11
	3239.17	516961.90	130.93
	43188.61	516961.65	128.87

	POINT		RADING TABL	E ELEV.
	NO.	NORTHING	EASTING	(FT.)
	1301	1642753.23 1642753.31	516301.90	68.88 68.86
	1302 1303	1642753.31 1642742.95	516259.13 516258.03	68.86 69.56
	1304	1642742.43	516215.30	69.67
	1305 1306	164275½.30 1642754.30	516216.66 516171.07	69.36 68.49
	1307	1642743.01	516169.52	69.27
	1308	1642745.17	516123.96	68.45
	1309	1642754.72 1642754.54	516124.56 516079.45	67.81 67.67
	1311	1642745.73	516079.26	68.01
	312	1642746.92 1642755.22	516034.08 516034.34	67.82 66.96
	1314	164275 .48	516004.95	67.13
	1315 316	1642747.45	516005.55	68.53 70.70
	1317	1642744.69 1642730.04	515997.91 515994.31	70.32 72.60
	1318	1642741.04	515981.89	72.77
	1319 1320	1642752.70 1642749.97	515984.04 515959.25	69.23 70.92
	1321	1642744.72	515958.73	72.45
	1322 1323	1642747.18 1642747.41	515949.21 515946.25	72.21 74.17
	1324	1642753.84	515949.76	65.74
	1325	164275-99	515933.74	68.69
	1326 1327	1642748.34 1642734.30	515938.45 515930.33	71.72 76.88
	1328	1642738.97	515915.37	78.29
	1329 1330	1642738.86 1642753.46	515907.64 515909.04	81.90 81.31
	1331	1642726.12	515906.60	81.91
	1332 1333	1642722.21 1642754.84	515920.90 515922.67	81.32 73.71
	1334	1642754.84	515922.67 515928.05	73.71 82.45
a de la maria della maria dell	1335	1642722.50	515931.57	82.51
	1336 1337	1642733.23 1642734.56	515936.90 515933.95	79.21 78.74
	1338	1642741.48	515938.64	76.44
	1339	1642739.45 1642746.57	515941.83 515950.32	76.80 71.91
	1341	1642728.48	515945.54	77.26
State of the state	1342	1642720.34 1642710.15	515942.98 515977.85	79.22 78.62
	1344	1642729.97	515979.85	74.61
	1345	1642728.34	516006.98	74.12
	1346 1347	1642737.83 1642740.65	516006.27 516006.06	73.30 73.00
	1348	1642738.08	516033.82	74.43
	1349 1350	1642734.78 1642726.22	516033.72 516033.46	75.73 74.78
	351	1642724.84	516078.79	75.85
	1352 1353	1642735.19 1642735.15	516078.98 516079.02	75.53 76.72
	1354	1642734.59	516123.29	76.66
	1355 1356	1642733.49 1642725.01	516123.22 516122.68	76.03 76.53
	1357	1642723.58	516166.85	76.44
	1358 1359	1642732.10 1642734.13	516168.02	76.21
	1360	1642733.20	516168.30 516214.02	77.58 78.55
distraction distraction of	1361	1642730.67	516213.68	77.02
Spirit of a trinsfer	1362 1363	1642722.05 1642721.25	516212.49 516255.74	77.10 77.55
	1364	1642730.53	516256.72	77.56
	1365 1366	1642733.65 1642730.45	516257.05 516301.64	78.90 79.45
	1367	1642728.57	516301.62	78.13
	1368 1369	1642718.99 1642717.09	516301.51 516345.15	78.33 79.39
	1370	1642725.26	516345.24	79.35
	1371 1372	1642720,57 1642721.64	516345.29 516385.33	81.21 79.70
	1373	1642725.84	516384.92	79.70 81.68
	1374	1642711.95	516420.07	81.38
	1375 1376	1642714.26 1642710.50	516386.17 516419.64	80.07 83.87
	1377	1642700.20	516462.94	84.12
	1378	1642713.27 164270 (.61	516462.91 516509.19	85.73 88.80
	1380	1642702.96	516544.88	86.92
	1381 1382	1642705.05 1642704.31	516581.70 516623.07	80.02 81.33
	383	1642707.81	516632.28	83.31
	384 1385	1642720.82 1642717.25	516583.76 516583.20	81.64
	1386	1642717.25 1642715.15	516583.29 516544.72	80.23 78.66
	1387	1642720.61	516509.14	77.48
	1388 1389	1642724.90 1642730.47	516462.85 516418.31	76.63 74.62
	1390	1642736.66	516383.84	72.44
	1391 1392	1642450.96 1642452.37	516993.36 516986.08	116.30
	1393	1642444.99	516986.40	116.10 117.91
	1394	1642443.75	516982.64	118.35
	1395 1396	.1642443.48 1642444.04	516979.72 516977.17	119.92 120.63
	1397	1642444,83	516971.33	120.19
	1398 1399	1642492.21 16425241	516975.12 516977.00	120.09 119.65
	1400	1642570.16	516977.30	119.22
		_		

D. COLIN I. T.	OFF-SITE GI	RADING FABL		ES COLA L	OFF-SITE GI	RADING TABLE
POINT NO.	NORTHING	EASTING	ELEV. (FT.)	POINT NO.	NORTHING	EASTING
1401	1642616.43	516978.11	119.19	1501	1642943.22	515803.42
1402 1403	1642636.65 1642637.06	516980.58 516977.37	118.27 119.27	1502 1503	1642939.49 1642947.88	515812.06 515816.32
1404	1642672.54	516977.59	118.79	1504	1642943.02	515822.49
1405	1642673.82	517014.51	126.66	1505	1642935.14	515819.33
1406 1407	1642673.23 1642717.24	517018.05 517018.16	126.37 126.54	1506 1507	1642932.21	515827.28 515828.93
1408	1642716.40	516974.29	120.38	1508	1642925.87	515826.46
1409 1410	1642748.14 1642747.49	516975.97 516972.78	120.27 121.15	1509	1642926.22	515817.52
1411	1642861.47	517016.27	127.60	1510 1511	1642927.24 1642928.31	515809.05 515800.87
1412	1642861.67	517013.30	126.80	1512	1642927.95	515792.65
1413 1414	1642871.13 1642879.18	517013.37 517012.07	126.83 126.95	1513 1514	1642928.73 1642910.43	515785.63 515791.13
1415	1642880.13	517009.24	125.72	1515	1642909.92	515799.19
1416 1417	1642890.24 1642895.12	517006.90 517010.19	126.03 126.44	1516 1517	1642909.10	515806.74 515815.51
1418	1642897.78	517018.33	127.28	1518	1642908.53	515825.37
1419 1420	1642904.05 1642901.02	517017.87 517008.11	127.15 127.63	1519 1520	1642886.56 1642886.14	515825.57 515814.84
1421	1642896.38	517006.38	127.11	1521	1642886.08	515806.00
1422	1642953.67	516992.30	126.99	1522	1642885,71	515798.38
1423 1424	1642991.55 1642999.79	516970.56 516945.97	126.87 118.95	1523 1524	1642885.92 1642861.75	515793.36 515794.74
1425	1643004.05	516355.78	120.17	1525	1642861.14	515798.71
1426 1427	1643001.00 1643009.52	516313.96 516267.56	120.15 116.41	1526 1527	1642861.37 1642861.67	515806.25 515814.79
1428	1643011.35	516310.94	116.71	1528	1642861.41	515824.99
1429	1643017.16 1643024.58	516355.53	116.05	1529	1642839.22	515824.49
1430 1431	1643024.58	516397.62 516477.76	114.92 114.95	1530 1531	1642839.10 1642837.81	515814.25 515806.72
1432	1643053.89	516503.90	113.63	1532	1642839.16	515800.52
1433 1434	1643069.44 1643085.39	516545.01 516584.27	111.93 111.72	1533 1534	1642833.05 1642826.29	515788.28 515788.48
1435	1643100.65	516624.95	111.92	1535	1642827.47	515800.03
1436 1437	1643099.74 1643111.10	516632. 8 0 516671.66	113.33 113.85	1536 · 1537	1642826.90 1642826.93	515804.67 515813.25
1438	1643116.35	516703.02	113.77	1538	1642826.28	515820.57
1439	1643119.22	516702.82	112.80	1539	1642808.91	515786.66
1440 1441	1643123.10 1643115.39	516745.86 516785.70	111.25 110.71	1540 1541	1642783.06 1642782.09	515788.71 515795.51
1442	1643099.69	516821.90	111.68	1542	1642782.69	515803.17
1443 1444	1643089.25 1643081.46	516845.13 516853.19	112.46	1543	1642782.48	515813.01 515813.45
1445	16-43071.56	516871.15	113.96	1546	1642788.98	515804.61
1446 1447	1643065.29 1643059.22	516877.59 516887.37	114.11 114.68	1546 1547	1642781.69 1642787.71	515820.25 515820.45
1448	1843051.57	516894.17	115.27	1548	1642790.98	515818.86
1449 1450	1643041.67 1643035.22	516908.04 516911.78	116.42 117.03	1549 1550	1642756.47 1642756.62	515821.37 515813.07
1451	1643028.37	516920.96	117.02	1551	1642756.46	515806.31
1452	1643016.88	516929.26	117.42	1552 1552	1642755.56	515795.67
1453 1454	1643080.01 1643120.16	516515.46 516419.74	110.49	1553 1554	1642755.13 1642717.40	515789.46 515790.52
1455	1643040.44	516137.94	117.06	1555	1642717.47	515797.21
1456 1457	1643010.40 1643010.93	516136.23 516080.48	117.04 118.09	1556 1557	1642717.80	515807.86 515814.38
1458	1643033.06	516079.88	117.95	1558	1642718.19	515820.84
1459 1460	1643031.71 1643010.11	516031.47 516032.11	119.19 119.73	1559 1560	1642708.71	515825.84 515831.50
1461	1642997.95	516032.57	120.14	1561	1642734.80	515831.47
1462 1463	1642998.48 1643018.36	515987.11 515986.94	120.24 120.94	1562 1563	1642734.62 1642714.79	515823.52 516858.22
1464	1642999.08	515936.36	120.19	1564	1642715.00	516867.01
1465 1466	1643015.46 1643025.25	515936.83 515938.38	121.31 123.44	1565 1566	1642715.30 1642714.89	516879.72 516885.02
1467	1643030.88	515888.90	123.69	1567	1642731.31	516871.08
1468 1469	1643022.79 1643005.44	515888.92 515887.88	121.76 121.07	1568	1642728.69	516869.37
1470	1643003.44	515857.11	121.07	1569 1570	1642742.31 1642754.23	516860.62 516846.19
1471	1643024.02	515850.94	121.72	1571	1642751.61	516844.07
1472 1473	1643033.62 1643029.03	515850.47 515833.28	124.13 121.17	1572 1573	1642744.39 1642741.76	516838.85 516837.11
1474	1643035.42	515833.67	123.48	1574	1642743.92	516855.10
1475 1476	1643006.04 1642984.43	515833.63 515834.25	121.18 121.02	1575 1576	1642740.25	516858.58 516850.07
1477	1642998.65	515813.69	120.39	1577	1642749.34	516852.11
1478 1479	1643014.65 1643038.18	515822.18 515821.35	120.91 120.60	1578 1579	1642739.35 1642737.19	516844.48 516842.34
1480	1643044.13	515800.45	119.75	1580	1642729.17	516853.85
1481 1482	1643024.94 1643018.53	515798.21 515792.44	120.29 119.75	1581	1642726.85	516848.92
1483	1643029.97	515785.08	119.75	1582 1583	1642717.92 1642717.92	516966.97 516963.97
1484	1643014.44	515794.45	119.79	1584	1642726.79	516965.74
1485 1486	1643002.85 1642990.70	515806.40 515821.70	120.15 120.85	1585 1586	1642737.65 1642738.27	516966.96 516964.55
1487	1642977.28	515840.80	117.55	1587	1642711.45	516963.90
1488 1489	1642972.67 1642959.20	515846.12 515803.25	117.51 120.53	1588 1589	1642711.59 1642667.84	516967.24 516967.10
1490	1642959.02	515795.27	119.96	1590	1642661.14	516966.66
1491 1492	1642954.81 1642951.62	515787.59 515784.75	119.65 119.72	1591 1592	1642655.80 1642615.61	516965.59 516966.94
1493	1642933.99	515784.98	119.75	1593	1642565.47	516967.19
1494 1495	1642986.24 1643006.74	515784.30 515784.28	119.71 119.75	1594 1595	1642515.46 1642465.30	516964.94 516965.66
1496	1642980.27	515804.84	120.46	1595 1596	1642440.64	516965.07
1497 1498	1642966.96 1642953.74	515853.12 515810.15	119.99			
1498	1642953.74 1642950.50	515810.15	120.94 120.35			
1500	1642883.34	515786.35	119.83		^ ^	^ ^
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E.C.A.T	OFF-SITE GF	RADING TABL	
POINT NO.	NORTHING	EASTING	ELEV. (ET.)
1501	1642943.22	515803.42	119.53
1502 1503	1642939.49 1642947.88	515812.06 515816.32	117.73 117.61
1504	1642943.02	515822.49	117.58
1505 1506	1642935.14 1642932.21	515819.33 515827.28	117.55 119.93
1507	1642938.10	515828.93	119.58
1508 1509	1642925.87 1642926.22	515826.46 515817.52	120.28 117.36
1510	1642927.24	515809.05	117.42
1511 1512	1642928.31 1642927.95	515800.87 515792.65	119.63
1513	1642928.73	515785.63	120.38 119.74
1514	1642910.43	515791.13	119.58
1515 1516	1642909.92 1642909.10	515799.19 515806.74	119.96 117.34
1517	1642908.45	515815.51	117.36
1518 1519	1642908.53 1642886.56	515825.37 515825.57	120.12 120.24
1520	1642886.14	515814.84	117.09
1521 1522	1642886.08 1642885.71	515806.00 515798.38	117.13
1523	1642885.92	515793.36	119.65
1524	1642861.75	515794.74	119.72
1525 1526	1642861.14 1642861.37	515798.71 515806.25	119.59 117.24
1527	1642861.67	515814.79	116.93
1528 1529	1642861.41 1642839.22	515824.99 515824.49	120.16 119.98
1530	1642839.10	515814.25	117.24
1531 1532	1642837.81 1642839.16	515806.72 515800.52	117.22 119.58
1533	1642833.05	515788.28	119.91
1534 1535	1642826.29 1642827.47	515788.48 515800.03	119.92 119.79
1536	1642826.90	515804.67	117.24
1537	1642826.93	515813.25	117.09
1538 1539	1642826.28 1642808.91	515820.57 515786.66	120.55 119.93
1540	1642783.06	515788.71	119.89
1541 1542	1642782.09 1642782.69	515795.51 515803.17	119.92 117.08
1543	1642782.48	515813.01	116.94
1544 1545	1642789.30 1642788.98	515813.45 515804.61	117.08 117.05
1546	1642781.69	515820.25	120.01
1547	1642787.71	515820.45	120.35
1548 1549	1642790.98 1642756.47	515818.86 515821.37	120.19 119.68
1550	1642756.62	515813.07	116.08
1551 1552	1642756.46 1642755.56	515806.31 515795.67	116.45 119.70
1553	1642755.13	515789.46	119.88
. 1554 1555	1642717.40 1642717.47	515790.52 515797.21	119.96 119.29
1556	1642717.80	515807.86	115.40
1557 1558	1642718.22 1642718.19	515814.38 515820.84	115.35 119.18
1559	1642708.71	515825.84	119.36
1560	1642708.41	515831.50	119.03
1561 1562	1642734.80 1642734.62	515831.47 515823.52	119.06 119.64
1563	1642714.79	516858.22	73.42
1564 1565	1642715.00	516867.01 516879.72	72.67 80.00
1566	1642714.89	516885.02	79.69
1567 1568	1642731.31 1642728.69	516871.08 516869.37	72.44 74.98
1569	1642742.31	516860.62	67.66
1570	1642754.23 1642751.61	516846.19 516844.07	66.40
1571 1572	1642744.39	516838.85	66.56 65.60
1573	1642741.76	516837.11	67.00
1574 1575	1642743.92	516855.10 516858.58	68.84 70.04
1576	1642747.10	516850.07	66.88
1577 1578	1642749.34	516852.11 516844.48	66.91 66.11
1579	1642737.19	516842.34	67.66
1580 1581	1642729.17 1642726.85	516853.85 516848.92	67.46 70.64
1582	1642717.92	516966.97	120.19
1583 1584	1642717.92	516963.97 516965.74	119.67
1584 1585	1642726.79 1642737.65	516965.74 516966.96	119.82 120.08
1586	1642738.27	516964.55	119.97
1587 1588	1642711.45 1642711.59	516963.90 516967.24	119.69 120.05
1589	1642667.84	516967.10	119.89
1590 1591	1642661.14 1642655.80	516966.66 516965.59	119.83 120.02
1592	1642615.61	516966.94	120.02
1593 1594	1642565.47 1642515.46	516967.19 516964.94	121.40
1594	1642465.30	516965.66	120.25 121.49

OFF-SITE GRADING CONTROL POINTS AS-BUILT TABLE

CADD FILE: ASB_074906OSGRAD-CNTRL APRIL 2010

SCALE: AS SHOWN DRAWING NO.

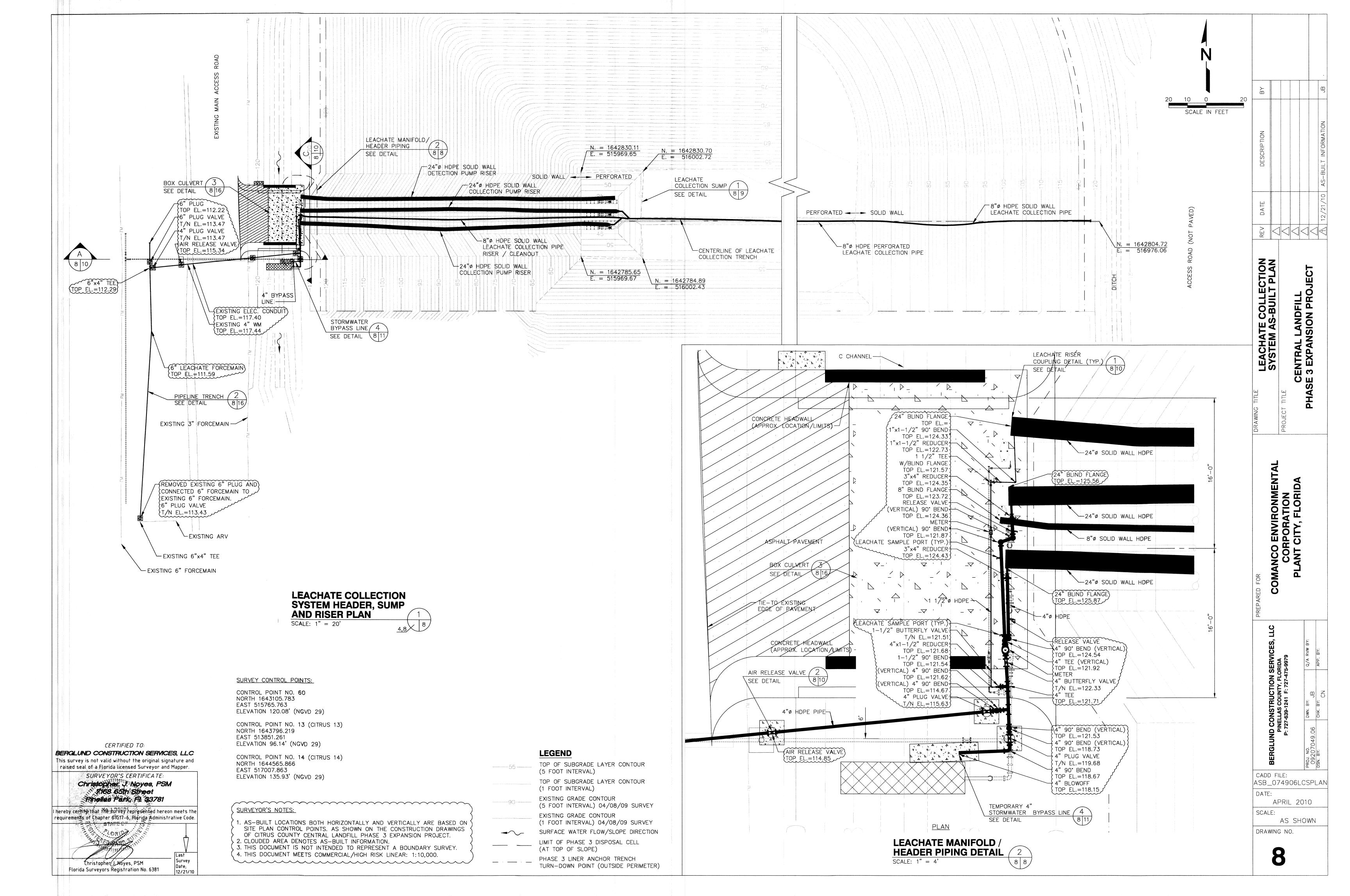
SURVEYOR'S CERTIFICATE: Christopher, J., Noyes, PSM 7168, 65th Street Pineliss Park, Ft 33781 I hereby certify that the survey represented hereon meets the requirements of Chapter 61017-6, Florida Administrative Code.

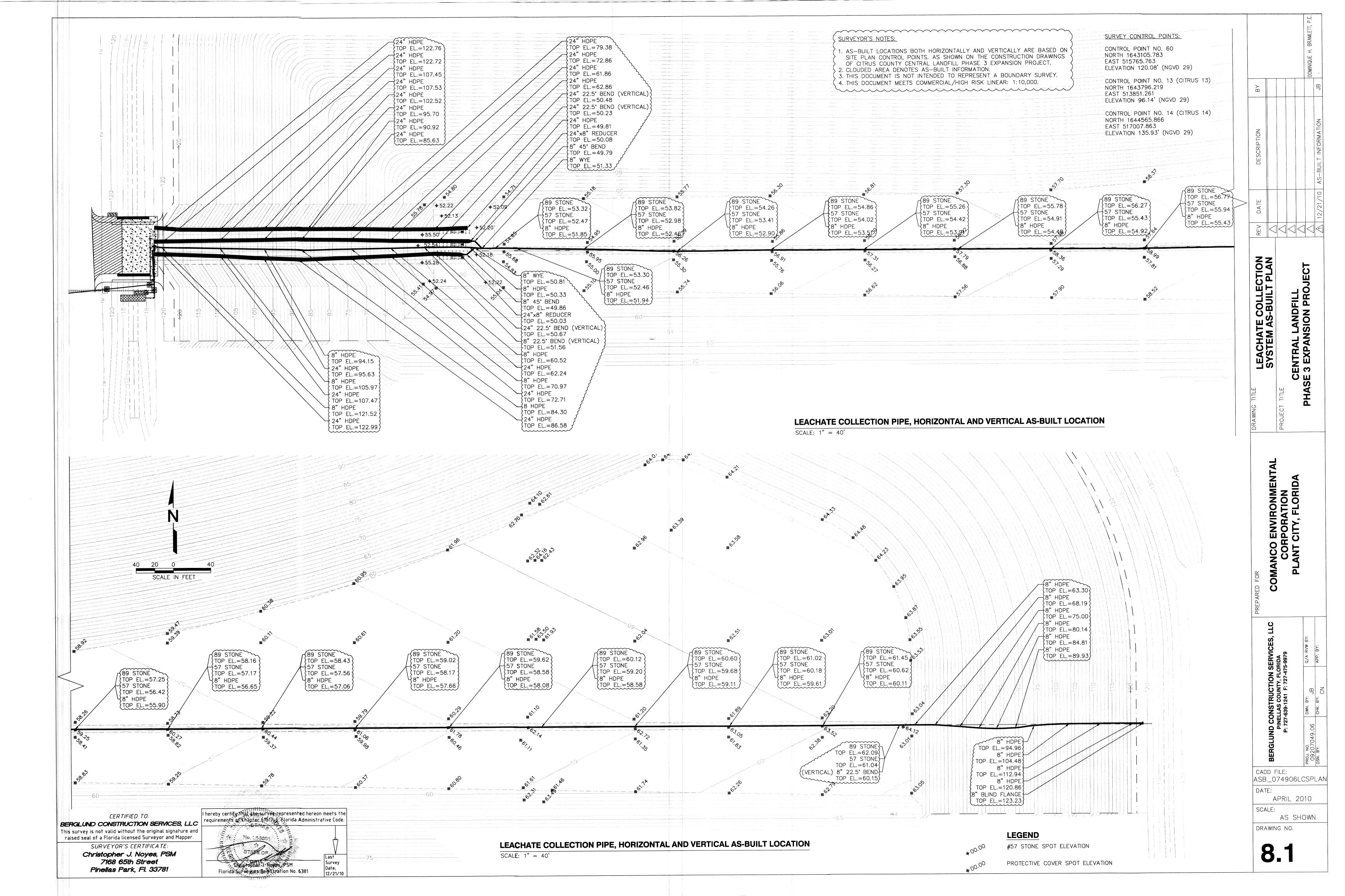
CERTIFIED TO: BERGLUND CONSTRUCTION SERVICES, LLC

This survey is not valid without the original signature and raised seal of a Florida licensed Surveyor and Mapper.

Last
Survey
Date;
12/21/10 Christopher J. Noyes, PSM Florida Surveyors Registration No. 6381

AS-BUILT NOTE: 1. CLOUDED AREA DENOTES AS-BUILT INFORMATION.





Attachment 2-2

Gas Probe GP-19 Installation Log

	iigiiivoi
Site Name: Citpus Co Landfill	
Project#: 09207049.06	
Start Date: //-/5-//	
Completed: //-/5-/()	
compicted. 77-73-10	
Contractor: Huss Drilling	
Pier	
Rig: Inspector: Richard Neptune	 .
Inspector: / Charle / UEFEGNE	
Driller: Kevin	$\overline{}$
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Reddish Sand/CLAY Mi	χ_{5}
	
Reddish Sand/clay	10
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COMPLETION LO	j
RISER STICK UP	
RISER BELOW	
PERF. PIPE)
BACKFILL	
BENTONITE #1	
BACKFILL	
DONUT	
GRAVEL PACK	
BACKFILL LOG	
Stone	
Structural fill	
Bentonite fill	
Bentonite fill MATERIALS LIST	
MATERIALS LIST	
MATERIALS LIST ΓΟΡ CAP	
MATERIALS LIST FOP CAP SOLID PIPE	
MATERIALS LIST FOP CAP SOLID PIPE PERF PIPE BOTTOM CAP BENTONITE	
MATERIALS LIST FOP CAP SOLID PIPE PERF PIPE BOTTOM CAP BENTONITE BACKFILL	
MATERIALS LIST FOP CAP SOLID PIPE PERF PIPE BOTTOM CAP BENTONITE	

Well Number: G-P-19

Coordinates:
Surface Elevation:
Top of Casing Elevation:

Boring Diameter: 4"

Pipe Material Diameter
Total Depth Drilled:
Completion:

LEGEND:

D = Decomposition as shown as little. Some, moderate or severe

C = Composition and is listed as loose, moderate or severe

T = Temperature

M = Moisture

Well was Done in Accordance to PLANS. Pea Stone BACKFIII AROUND 1" Preforated Pipe with 4' RISER. Photos were Taken

white / yellow Sand mix 55 white / yellow Sand mix 60 white / yellow Sand mix 70 white / yellow Sand mix 75 white Sand 85 white Sand 85 white Sand 95 white Sand 105 white / yellow Sand 100 white / yellow Sand 100 white Sand 110	(11/17/2∪10) Richard Neptune - Well-LogTe	m <u>plate</u> x	ds		-
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white Sand 115					
	white Sand	115			
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SECTION 3 CONSTRUCTION OBSERVATION

3.1 CONSTRUCTION QUALITY ASSURANCE SERVICES

In accordance with the FDEP approved Construction Quality Assurance (CQA) Plan and per Specific Condition Number B.8.a.2 of FDEP Construction Permit Number 21375-013-SC/01 for the construction of the Phase 3 Expansion Project, the Citrus County BOCC provided a full-time CQA representative on site to observe construction activities. SCS provided full-time field CQA services including observation and testing during the liner installation. The liner system was comprised of (from the bottom up): a biaxial geogrid, a GCL (only on the bottom of the cell), a secondary 60-mil textured high density polyethylene (HDPE) liner, a secondary geocomposite (geonet with two geotextiles) serving as a leak detection layer, a primary 60-mil HDPE liner, a primary geocomposite (geonet with two geotextiles), uniaxial geogrid along the sideslopes of the cell, and a two-foot thick sand drainage/protective layer.

SCS, as the County's CQA representative, verified material for compliance with the technical specifications, observed field testing, observed construction for compliance with the permit conditions and documented the various phases of construction as necessary for final certification purposes. Section 5 discusses the GCL, geogrid, geomembrane, and geocomposite CQA activities in further detail and contains TRI Destructive Sample test results pertaining to the geosynthetic installation of the Phase 3 Expansion project. The proposed panel layouts and geosynthetic installation loges are also included in Section 5. Please refer to Attachment 3-1 for copies of the SCS Daily Field Reports created by the SCS CQA representative during construction. The County Daily Field Reports created by the County's CQA representative during construction are also included in Attachment 3-1.

As part of the specifications, the manufacturers; Agru, GSE, R.H.Moore, Syntec, Raven and CETCO, were required to perform initial conformance tests on the geosynthetics prior to delivery. The results were recorded in certificates for each roll of geomembrane, geocomposite, geogrid, GCL, and rain tarp, and are contained in Section 5.

In addition, per Specific Condition Number B.6.b of the construction permit, monthly progress reports were required to be submitted to FDEP during the duration of the project. Please refer to Attachment 3-2 for copies of these SCS Monthly Progress Reports also previously provided to FDEP as required.

Attachment 3-1

SCS and County Daily Field Reports



CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONTRACT DATE ITB 040-10

MONTH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB
DAY											
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2		. + C5 (3)	-32	-2	29	60	3.	121	151		213
3		-62	-31	3.7	30	61		122	152	183	214
4		-61	-30		31		92	123		184	215
5		-60			32		93	124		185	
6		-59	44	2	33	$(S, e_{\frac{1}{2}})$	94		155	186	17.5
7		-58	-27	3	3-3	65	95	287	156	187	218
8			-26	4	- 14	66	96	127	157	8.2	219
9		5,745	-25	5	36	67	34.6	128	158	Siv	220
10		-55	-24		37	68	4.0	129	159	190	221
11	্রাণ	-54	-23	1.1	38		99	1,340	4.500	191	222
12	-83	-53		8	39		100	131	(6)	192	2,00
13	-82	-52	4	9	40	71	101		162	193	April .
14	-81	-51	-20	10	44	72	102		163	194	225
15	-80	is.	-19	11		73	103	134	164		226
16	-79	3.93	-18	12	43	74	4 (S4)	135	165		227
17		-48	-17		44	75	10%	136	166	1. 建化。	228
18		-47	-16		45		106	137	. 首務第二	198	229
19	-76	-46		15	46		107	138	(5),6	199	238
20	-75	-45		16	47		108		169	200	
21	-74	-44	-13	17	425	79	109		170	201	232
22	-73	4.5	-12	18	- 449	80	110	141	171		233
23 24	-72	-41	-11	19	50	81		142	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	203	234
25		-41	-10 -9		51 52	82	110	143		204	235
26	-69	-39	-9	22	52 53	1 - 34 44 - 1	113 114	284 484	1004 - 1005 -	205 206	236
27	-68	-38	-	23	54	85	115	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	176	207	238
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30	-65	25	-4	26	57	88		149	179	745E	
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MILE	STONE	S									
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			TENA	ATIVE E	30CC	APPRO	VAL	ATE:	6/8	3/2010	
		TE	NATIVI						7/5	5/2010	
			SUBS	STANT	IAL CC	MPLE	LION E	ATE:		1/2010	
				FIN	IAL CC	MPLE	TION E	ATE:	1/30	0/2011	



CONTRACT NAME: SWM PHASE 3 EXPAN CONTRACTOR: COMA SUBCONTRACTORS:	ISION NCO ENVII	RONMENTAL	0-10 CONTRACTOR II	7/5/2010 NFORMATION		NO:	1 OF 210
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CONTRACTOR: COMA SUBCONTRACTORS:	NCO ENVII	RONMENTAL					
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ASPHALT PAVE	₹	DRAG LIN	NE	POWER BRO	MOC	TRUCK, GR	
ASPHALT DISTR	BUTOR	EARTH M	/OVER	PUMP			NE STRIPING
BACKHOE		FRONT E	ND LOADER	ROLLER, ST	EEL WHEEL	TRUCK, PIC	KUP
BULLDOZER		HAND LIN	VER	ROLLER, TF	RAFFIC	TRUCK, WA	TER
CONCRETE BUC	KET	HARROW	V	ROLLER VIE	BRATORY	WELLPOIN	T SYSTEM
CONCRETE SAV		GENERA [*]	TOR	ROTARY TIL	ROTARY TILLER/MIXER		QUIPMENT
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CRANE, CRAWL	-R	MOTOR O	GRADER	TRANSPOR	Т		
			RACT QUANTITY				
ITEM NO.	ITEI	<u>M</u>	QUANTITY		REMARKS AND	CALCULATIO	NS
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CONTRACT NAME:	CONTRACT NO:	DATE:		DAY OF WEEK:	CONTRACT DAY		
SWM PHASE 3 EXPANSIO	N ITB 040-1	0 7	/5/2010	MONDAY	NO: 1 OF 210		
WEATHER CONDITIONS:	CLEAR 2	PARTLY CLOUD	/ HEA	AVY CLOUDS	FOG		
TEMPERATURE:	87HIGH	71 LOW	TEMPER	RATURE RESTRICTION NO			
WIND:	NONE XS		TRONG ID DIRECTION:	4 MPH			
RAIN:	NONE XL 1ST RAINFALL: 2ND RAINFALL:	START:		SHOWERS END:	0.09 INCHES		
RAIN DURATION:	X 0-2 HRS 2	2-4 HRS4-	6 HRS	ALL DAY			
WORKING CONDITIONS:	EXCELLENTC	GOOD XF	ЧR	POOR	BAD		
DURATION OF ACCEPTABLE CONDITIONS:	X ACCEPTABLE ALL DAY	MORE THAI OF WORK		ESS THAN 50% [F WORK DAY	UNACCEPTABLE ALL DAY		
SOIL CONDITIONS:	X DRY	VETE	XTREMELY WE	ΞT			
	EFFECTS O	F WEATHER ON N	AJOR WORK I	TEMS			
MAJOR AND/OR CONTROLLING WORK ITEM			ED LESS THAN WORK DAY	EFFECTED MO THAN 50% OF W			
PHOTO INFORMATION: NUMBER OF PHOTOS TAKEN:							
		PHOTO ID NUM	BERS				
							
VISITORS:							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/5/2010	MONDAY	NO: 1 OF 210

GENERAL COMMENTS: No worked was planned or performed today.



	DESCI	RIPTION OF WORK		144.3
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/6/2010	TUESDAY	NO: 2 OF 210
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS:				
		•		
			I	
			TIME (#	
OPE	RATION AND LOCATION		BEGINNING	ENDING
SITE OBSERVATION			11:00 AM	12:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	1.5	
FOREMAN			
SKILLED	2	1.5	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

A	AN AND COUNTY OF THE COUNTY OF THE AND A SECOND OF THE COUNTY OF THE COU	ACTIVE/IDLE) A	A
AIR COMPRESSOR	CRANE, TRUCK	MULCHER	TRUCK, BUCKET
AIR HAMMER	CULTIPACTOR	PILE DRIVER & HAMMER	TRUCK, DUMP
ASPHALT PAVER	DRAG LINE	POWER BROOM	TRUCK, GREASE
ASPHALT DISTRIBUTOR	EARTH MOVER	PUMP	TRUCK, LANE STRIPIN
BACKHOE	FRONT END LOADER	ROLLER, STEEL WHEEL	TRUCK, PICKUP
BULLDOZER	HAND LINER	ROLLER, TRAFFIC	TRUCK, WATER
CONCRETE BUCKET	HARROW	ROLLER VIBRATORY	WELLPOINT SYSTEM
CONCRETE SAW	GENERATOR	ROTARY TILLER/MIXER	SPECIAL EQUIPMENT
CONCRETE SCREED	MECHANICAL TAMP	SPREADER, FERTILIZER	
CONCRETE VIBRATOR	MILLING MACHINE	TRACTOR, FARM	
CRANE, CRAWLER	MOTOR GRADER	TRANSPORT	

E KLAPE E	CONT	RACT QUANTITY INC	PREASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
<u> </u>			
:			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/6/2010	TUESDAY	NO: 2 OF 210
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	HIGH	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
<u>_</u>	NONE XSLIGHT OF SPEED: 7 MP		EAS	ST .
1:	NONE LIGHT ST RAINFALL: ST ND RAINFALL: ST	ART: 3:30	SHOWERS END: 4:15 END:	0.94
RAINFALL AS DETERMINED B RAIN DURATION:	Y THE RAIN GAGE IN LEA 0-2 HRS 2-4 HRS	CHATE LAB. 4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	XFAIR	POOR	BAD
DURATION OF CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY XWET	EXTREMELY WE	T.	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
NUMBER OF PHOTOS	SETELOGRAPH, DE 1444, E 1.46 NEDAM, CILI LORIS LABORE,	O INFORMATION:		
	PHO1	TO ID NUMBERS		
POST LAYDOWN PRE HEADWALL PRE LAYDOWN				
RILLS				
VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/6/2010	TUESDAY	NO: 2 OF 210

A Daily Log Sheet for today's activ	

F:\PROJECT\Citrus\09207049.06\Citrus County Daily Field Reports\2010-0706-daily 2.xls



Tin	ΛE		
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
8:00 AM		Arrived on site, and inspected the 7-acre site reclosure and Landfill Gas System.	Noted
11:00 AM	12:30 PM	Received a call from Comanco Superintendent, Bill Newman, that he was on-site with his operators to discuss the method of operation for expansion. A disscussion was also held between myself and Mr. Newman to seek an alternative location for the laydown yard. The location discussed in the preconstruction conference East of the mulch pile is currently underwater. One possible alternative site is West of Citrus County's Bone Yard on the 7-acre reclosure site. Superintendent Newman also informed me that the project surveyor's will also be on-site Wedensday, July 7, 2010 to start the topographical survey on the existing conditions. I was also informed that the project's construction trailer is schedule to arrive on-site Friday, July 9, 2010. It should also be noted that there will be some issues getting electrical power to the construction trailer. Comanco departed the construction site at 12:30 PM.	Noted
1:30 PM	1:45 PM	Called project engineer, Dominique Bramlett, P.E. to informed her of Comanco proposed activities for the remainder of the week.	Noted
	3:30 PM	Departed the job site.	Noted
		·	



	DES	SCRIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 7/7/2010	DAY OF WEEK: WEDNESDAY	CONTRACT DAY NO: 3 OF 210
	CONTI	RACTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONS	STRUCTION CORPORATION		
SUBCONTRACTORS: BERGI	UND CONSTRUCTION	N SERVICES		
				
			TIME (AM/PM)
OPE	RATION AND LOCATIO	N Comment of the Comm	BEGINNING	ENDING
PROJECT SURVEY PRE-COND	TIONS		8:00 AM	5:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	9.5	
FOREMAN			
SKILLED	1	9.5	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

AIR COMPRESSOR	CRANE, TRUCK	MULCHER I		TRUCK, BUCKET
AIR HAMMER	CULTIPACTOR	PILE DRIVER & HAMMER		TRUCK, DUMP
ASPHALT PAVER	DRAG LINE	POWER BROOM		TRUCK, GREASE
ASPHALT DISTRIBUTOR	EARTH MOVER	PUMP		TRUCK, LANE STRIPIN
BACKHOE	FRONT END LOADER	ROLLER, STEEL WHEEL		TRUCK, PICKUP
BULLDOZER	HAND LINER	ROLLER, TRAFFIC		TRUCK, WATER
CONCRETE BUCKET	HARROW	ROLLER VIBRATORY		WELLPOINT SYSTEM
CONCRETE SAW	GENERATOR	ROTARY TILLER/MIXER		SPECIAL EQUIPMENT
CONCRETE SCREED	MECHANICAL TAMP	SPREADER, FERTILIZER	Α	RTK GPS SYSTEM
CONCRETE VIBRATOR	MILLING MACHINE	TRACTOR, FARM		
CRANE, CRAWLER	MOTOR GRADER	TRANSPORT		

	CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
		-					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/7/2010	WEDNESDAY	NO: 3 OF 210
WEATHER CONDITIONS:	CLEAR X PARTI	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	91 HIGH 73	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	X NONE SLIGHT IND SPEED: 0 MF	STRONG WIND DIRECTION:		
•			SHOWERS END: END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF	
	PHOT	O INFORMATION:	Maria de esperante de la compansión de la Ser de la compansión de l Ser de la compansión de l	et in de l'Espain e figure se fille de le comme
NUMBER OF PHOTO				
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HAUL ROAD				
CITRUS 13		1	-	
				
			-	
VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/7/2010	WEDNESDAY	NO: 3 OF 210

GENERAL COMMENTS: See the	CQA Daily Log Sheet for today's	activities.	
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/07/10	FROM 7:00 TO 5:45	10.25



TII	TIME					
IN.	OUT	DESCRIPTION OF EVENT	ACTION TAKEN			
7:00 AM		Arrived on-site and sent a e-mail to Steve Dixon, Casey Stephens, and Dominique Bramlett, SUBJECT: Daily Construction Report, SWM July 6, 2010. Also check the rain gauge at the Leachate Collection Lab, and 0.94" of rain fell from the previous night.	Noted			
8:00 AM	5:30 PM	Comanco Superintendent, Bill Newman arrived on-site and discussed the scope of work with the project's surveyor, Berglund Construction Services. A majority of the AM hours was used to establish control points around the job site.	Noted			
11:30 AM	11:40 AM	Through a phone conversation between Justin Endsley, Comanco Project Engineer concerning the status of the required Citrus County Building permits. According to Justin, the demo pwermit was submitted to the building division on Friday, July 2, 2010. The building division did not accept the electrical permit at this time.	Noted			
12:30 PM	12:45 PM	Received the following E-Mails from Dominque Bramlett concerning construction at Citrus County Landfill: SUBJECT: Citrus County Central Landfill Phase 3 Expansion dated 7/7/2010 8:52 AM SUBJECT: FDEP Permit Log dated 7/7/2010 10:46 AM	Forward to Steve Dixon for his information.			
1:00 PM	5:30 PM	The project surveyor, Berglund Construction Services, spent the remainder of the day trying to localize his GPS equipment with the establish Control Points throughout the project. It should be noted that the Horizontial and Vertical control points did not meet the tolerances outline in the Specifications.	Noted			
5:30 PM	5:40 PM	Received the following E-Mails from Dominque Bramlett concerning construction at Citrus County Landfill: SUBJECT: Citrus County Central Landfill-Preliminary Schedule Submittal dated 7/7/2010 2:05 PM. SUBJECT: Citrus County Phase 3 CQA Testing dated 7/7/2010 5:08 PM	Forward to Steve Dixon for his information.			
	5:40 PM	Departed site	Noted			



TII	TIME					
in	OUT	DESCRIPTION OF EVENT	ACTION TAKEN			



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IN	ОИТ	DESCRIPTION OF EVENT	ACTION TAKEN



	DESCI	RIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 7/8/2010	DAY OF WEEK: THURSDAY	CONTRACT DAY NO: 4 OF 210
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	NVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Berglui	nd Construction Services,	LLC		. "
	····			
			TIME (A	M/PM)
OPE	RATION AND LOCATION		BEGINNING	ENDING
Pre-Construction Survey			8:00 AM	5:00 PM
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PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	9	
FOREMAN			
SKILLED	3	9	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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AIR COMPRESSOR	CRANE, TRUCK	MULCHER		TRUCK, BUCKET
AIR HAMMER	CULTIPACTOR	PILE DRIVER & HAMMER		TRUCK, DUMP
ASPHALT PAVER	DRAG LINE	POWER BROOM		TRUCK, GREASE
ASPHALT DISTRIBUTOR	EARTH MOVER	PUMP		TRUCK, LANE STRIPING
BACKHOE	FRONT END LOADER	ROLLER, STEEL WHEEL		TRUCK, PICKUP
BULLDOZER	HAND LINER	ROLLER, TRAFFIC		TRUCK, WATER
CONCRETE BUCKET	HARROW	ROLLER VIBRATORY		WELLPOINT SYSTEM
CONCRETE SAW	GENERATOR	ROTARY TILLER/MIXER		SPECIAL EQUIPMENT
CONCRETE SCREED	MECHANICAL TAMP	SPREADER, FERTILIZEF	A	RTK GPS EQUIPMENT
CONCRETE VIBRATOR	MILLING MACHINE	TRACTOR, FARM		
CRANE, CRAWLER	MOTOR GRADER	TRANSPORT		

CONTRACT QUANTITY INCREASES TODAY				
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS	
				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/8/2010	THURSDAY	NO: 4 OF 210
WEATHER CONDITIONS:	XCLEAR ☐PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	94 HIGH 70	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
WIND: W	NONE XSLIGHT IND SPEED: 3 MF	STRONG PH WIND DIRECTION:	: NORTH-NC	RTHEAST
,		HEAVY FART:	SHOWERS END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	THER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR	
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NUMBER OF PHOTO:	MANAGER AND	O INFORMATION:		
		TO ID NUMBERS		
<u>L</u>				
VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/8/2010	THURSDAY	NO: 4 OF 210

GENERAL COMMENTS:	See CQA worksheet for today's activ	ities.	
	•		
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/08/10	FROM 7:00 TO	

F:\PROJECT\Citrus\09207049.06\Citrus County Daily Field Reports\2010-0708-daily 4.xls PAGE 3 OF 3



TIME				
IN.	OUT	DESCRIPTION OF EVENT	ACTION TAKEN	
7:00 AM	and Application of the Control of th	Arrived on-site and sent an e-mail to Steve Dixon, Casey Stephens, and Dominique Bramlett, Subject: Daily Construction Report SWM Phase III Expansion for July 7, 2010.	Noted	
7:15 AM	7:15 AM	Received an E-Mail for Justin Endsley, Comanco Project Engineer, Subject: Citrus Phase 3 Expansion.	Forward to Dominique Bramlett and Steve Dixon for their information.	
8:00 AM	5:00 PM	Comanco Superintendent, Bill newman and the project surveyor's Berglund Construction Services arrived on-site and continued working on establishing control points.	Noted	
10:45 AM	10:55 AM	Contacted Dominique Bramlett requesting additional information on control point # 60. Also contacted Citrus County Surveyor, Pat Hensen, about additional information concerning the coordinates of the aerial targets shown on the plans. According to Pat Hensen, the coordinates of the aerial targets provided to SCS are not on State Plane Coordinates.	Noted	
11:15 AM	11:30 AM	Bill Newman, Comanco Field Superintendent, is requesting that four additional control be establish around the Phase III expansion cell and another control point be established on the access road.	Noted	
11:30 AM	1:00 PM	Received a PDF from Dominique Bramlett with the measured GPS coordinates from the record drawings for the 7-acre site. Provided a 24" X 36" copy to Comanco to provide to the project surveyor.	Noted	
1:00 PM	5:00 PM	The project surveyor continues to localize the County Control points based on the information provided by BBLS.	Noted	
5:00 PM		Received the following E-Mails from Dominique Bramlett: 013010 Preliminary Schedule Citrus County Landfill Phase 3 Expansion dated 7/8/2010 9:24 AM Citrus County Phase 3 Expansion Project Construction Schedule dated 7/8/2010 9:46 am Citrus County Phase 3 Expansion Interface Friction Angles dated 7/8/2010 11:30 AM. Citrus County Control Point #60 dated 7/8/2010 11:32 AM Citrus County Pay Application No 1 dated 7/8/2010 4:32 PM Comanco Pay Applications dated 7/8/2010 4:35 PM 013010-02A Excavation Plan-Citrus County Central Landfill Phase 3 Expansion dated 7/8/2010 5:10 PM 013010-06A Erosion and Pollution Control Plan dated 7/8/2010 6:09	Noted	
	5:00 PM	Departed the site at 5:00 pm	Noted	



	DESCR	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/9/2010	FRIDAY	NO: 5 OF 210
		CTOR INFORMATION		
CONTRACTOR: COMANCO EN	VIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: GAUDE	TTE ELECTRIC INC. ACT	TION MOBILE		
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	 .		TIME (AM/PM)
OPER	ATION AND LOCATION		BEGINNING	ENDING
SET UP OF THE CONSTRUCTIO	N TRAILER		9:00 AM	12:00 PM
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PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	4	
FOREMAN			
SKILLED	3	3	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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ASPHALT DISTRIBUTOR	EARTH MOVER	PUMP		TRUCK, LANE STRIPING
BACKHOE	FRONT END LOADER	ROLLER, STEEL WHEEL	Α	TRUCK, PICKUP
BULLDOZER	HAND LINER	ROLLER, TRAFFIC		TRUCK, WATER
CONCRETE BUCKET	HARROW	ROLLER VIBRATORY		WELLPOINT SYSTEM
CONCRETE SAW	GENERATOR	ROTARY TILLER/MIXER		SPECIAL EQUIPMENT
CONCRETE SCREED	MECHANICAL TAMP	SPREADER, FERTILIZER		
CONCRETE VIBRATOR	MILLING MACHINE	TRACTOR, FARM		
CRANE, CRAWLER	MOTOR GRADER	TRANSPORT		

	CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/9/2010	FRIDAY	NO: 5 OF 210
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	94 HIGH <u>71</u>	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
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RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF [ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ĒΤ	
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SET UP OF THE CONSTRUCTION TRAILER	X			
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VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/9/2010	FRIDAY	NO: 5 OF 210

PROJECT INSPECTOR:	DATE:		
GENERAL COMMENTS: See the	CQA Daily Log Sheet for todays ac	uvides.	



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IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
7:00 AM	7:45 AM	Arrived on-site at 7:00 AM and sent an E-Mail to Steve Dixon, Casey Stephens, and Dominique Bramlett SUBJECT: Daily Construction Report SWM Phase III Expansion for July 8 2010.	Noted
9:00 AM	11:30 AM	Gaudette Electric Inc. arrived on-site to set the power pole for the Construction Trailer.	Noted
9:30 AM	12:00 PM	The Construction Trailer arrived on-site and set up by Action Mobile from Tampa, Florida	Noted
	12:15 PM	Comanco Superintendent, Bill Newman, departed the site.	Noted
2:30 PM	2:40 PM	Received a phone call from Bernice Bowersock, Non-Residential Coordinator, Citrus County Building Division that the Demolition Permit was ready for pick-up. She also informed me that Comanco and all their sub-contractors needs to register with the Building Division. In addition, the reason why the electrical permit was not process at this time is because the Building Application did not indicated that a new electrical system was being installed.	Notified Justin Endsley that the Demolition permit was ready for pick-up via telephone.
2:40 PM	2:55 PM	Place a call to Dominique Bramlett to update her on the daily activities occuring on-site. Among the items discussed included Comanco request to establish 8 additional control points, and that Berglund Construction Services is not license with Florida Department of Professional Business Regulations to perform Surveys. Dominique is going to send an E-Mail to Comanco requesting verification that Berglund Construction is license to performed surveys in the state of Florida.	Noted
3:00 PM		Received the following E-Mails throughout concerning the Phase III construction: From: Dominique Bramlett, Subject: Pay Application No-1 Citrus County Phase 3 Expansion Project Dated 7/9/2010 10:20 AM From: Justin Endsley, Subject: Citrus County Landfill Dated 7/9/2010 11:01 AM From: Dominique Bramlett, Subject: Preconstruction Meeting Minutes Dated 7/9/2010 12:41 PM From Dominique Bramlett, Subject: 015001-01A Licensed Professional Land Surveyor Dated 7/9/2010 3:38 PM.	Noted
	3:15 PM	Departed the site at 3:15 PM.	Noted



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CONTRACT NAME: SWM PHASE 3 EXP	ANSION	CONT	RACT NO: ITB 040-10	DATE:	7/10/2010	DAY OF WE		CONTRACT DAY
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SUBCONTRACTORS:								
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BACKHOE		_	RONT END LOAD	DER	ROLLER, STE		_	K, PICKUP
BULLDOZER	LIGHT		IAND LINER		ROLLER, TRA			K, WATER
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CONTRACT NAME:	CONT	RACT NO:	DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSIO	N	ITB 040-10	7/10/2010	)	SATURDAY	NO: 6 OF 210
WEATHER CONDITIONS:	X CLEA	R PARTL	Y CLOUDY	HEA	VY CLOUDS	FOG
TEMPERATURE:	93	HIGH	LOW T	EMPER	ATURE RESTRICTION SPECIFICATION NO	
WIND:	NONE VIND SPE		STRONG H WIND DIRE			
RAIN:	X NONE 1ST RAII 2ND RAII	NFALL: ST.	ART:		SHOWERS END: END:	
RAIN DURATION:	X 0-2 H	RS 2-4 HRS	4-6 HRS		ALL DAY	
WORKING CONDITIONS:	EXCE	LLENTX GOOD	FAIR		POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	X ACCE ALL D		ORE THAN 50% F WORK DAY		ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
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		РНОТ	O ID NUMBERS			
VISITORS: NONE						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/10/2010	SATURDAY	NO: 6 OF 210

GENERAL COMMENTS: No wor	rked was planned or performed.		
		<u> </u>	
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/10/10	EPOM 7:00 TO 7:0	



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ĬŊ	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
7:00 AM	7:00 AM	No worked was planned or performed.	Noted



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CONTRACT NA			RACT NO:	DATE:		DAY OF WE		CONTRACT DAY
	3 EXPANSION		ITB 040-10		11/2010	Sun		NO: 7 OF 210
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SUBCONTRAC	TORS:							
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CONTRACT NAME:	CONTRACT NO		TE:	DAY OF W		CONTRACT DAY
SWM PHASE 3 EXPANSIO	N ITB 040	-10	7/11/2010	Sur	nday	NO: 7 OF 210
WEATHER CONDITIONS:	CLEAR	X PARTLY CI	LOUDY	HEAVY CLOUDS	S	FOG
TEMPERATURE:	87HIGH	76LO\	W TE	MPERATURE RES	STRICTION ATION NO:	
WIND:	NONE SPEED:	SLIGHT MPH	STRONG WIND DIREC	TION:		
RAIN:	NONE X 1ST RAINFALL: 2ND RAINFALL:		ī: <u></u>	SHOWE END:	<del></del>	0.12"
RAIN DURATION:	X 0-2 HRS	2-4 HRS	4-6 HRS	ALL DA	Υ	
WORKING CONDITIONS:	EXCELLENT	GOOD	FAIR	POOR		BAD
DURATION OF ACCEPTABLE CONDITIONS:	ALL DAY		E THAN 50% VORK DAY	OF WORK D		UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY	WET	EXTREMEL	_Y WET		
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MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFEC		FECTED LESS 0% OF WORK I		CTED MOR 50% OF WO	
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NUMBER OF PHOTO	OS TAKEN:	PHOTO IN	FORMATION:			
		PHOTO IE	D NUMBERS			
		**				
VISITORS: NONE						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/11/2010	Sunday	NO: 7 OF 210

GENERAL COMMENTS:	No worked was planned or perform	ned.	
	•		
PROJECT INSPECTOR:	DATE: 07/11/10	HOURS AT JOB SITE FROM 7:00 TO	TOTAL HOURS



TIME			
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
7:00 AM	7:00 AM	No worked was planned or performed.	Noted



The State of the S		DES	SCRIPTION OF WORK		
CONTRACT NAME:	CON	ITRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSIO	N	ITB 040-10	7/12/2010	MONDAY	NO: 8 OF 210
			RACTOR INFORMATION		
	ENVIRC	NMENTAL CONS	STRUCTION CORPORATION		
SUBCONTRACTORS: GA	UDETTE	ELECTRICAL IN	C.		
				TIME	(AM/PM)
				BEGINNING	ENDING
ELECTRICAL TRENCH FOR	THE CON	ISTRUCTION TR	AILER	8:45 AM	11:15 AM
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PERSONNEL	NO	HOURS WORKED	MAT	ERIALS RECEIVED	
PERSONNEL SUPERVISOR	NO	10.1 · 66.5 · 64 · 50 · 64 · 64 · 6	MAT	ERIALS RECEIVED	
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SUPERVISOR	NO	10.1 · 66.5 · 64 · 50 · 64 · 64 · 6	MAT	ERIALS RECEIVED	
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AIR COMPRESSOR	CRANE, TRUCK	MULCHER	TRUCK, BUCKET
AIR HAMMER	CULTIPACTOR	PILE DRIVER & HAMMER	TRUCK, DUMP
ASPHALT PAVER	DRAG LINE	POWER BROOM	TRUCK, GREASE
ASPHALT DISTRIBUTOR	EARTH MOVER	PUMP	TRUCK, LANE STRIPING
BACKHOE	FRONT END LOADER	ROLLER, STEEL WHEEL	TRUCK, PICKUP
BULLDOZER	HAND LINER	ROLLER, TRAFFIC	TRUCK, WATER
CONCRETE BUCKET	HARROW	ROLLER VIBRATORY	WELLPOINT SYSTEM
CONCRETE SAW	GENERATOR	ROTARY TILLER/MIXER	SPECIAL EQUIPMENT
CONCRETE SCREED	MECHANICAL TAMP	SPREADER, FERTILIZER	
CONCRETE VIBRATOR	MILLING MACHINE	TRACTOR, FARM	
CRANE, CRAWLER	MOTOR GRADER	TRANSPORT	

CONTRACT QUANTITY INCREASES TODAY				
ITEM	QUANTITY	REMARKS AND CALCULATIONS		
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSIO	N ITB 040-10	7/12/2010	MONDAY	NO: 8 OF 210
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	90 HIGH 73	_LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
WIND:	NONE XSLIGHT VIND SPEED: 7 MF	STRONG PH WIND DIRECTION:		·
RAIN:			SHOWERS END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT X GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	THER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL IS DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF WO	
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DUOTO # 4		TO ID NUMBERS	Inuara ::	
PHOTO # 1	PHOTO # 4B	PHOTO # 8B	PHOTO # 1	3
PHOTO # 2A PHOTO # 2B	PHOTO # 4C	PHOTO # 9A		
PHOTO # 26	PHOTO # 5A PHOTO # 5B	PHOTO # 9B		
PHOTO # 3A	PHOTO # 5C	PHOTO # 9C PHOTO # 10A		
PHOTO # 3B	PHOTO # 6A	PHOTO # 10B	<del></del>	
PHOTO # 3C	PHOTO # 7A	PHOTO # 11A	<del></del>	
PHOTO # 3D	PHOTO # 7B	PHOTO # 11B		
PHOTO # 3E	PHOTO # 7C	PHOTO # 12A		
PHOTO # 4A	PHOTO # 8A	PHOTO # 12B		
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VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/12/2010	MONDAY	NO: 8 OF 210

PROJECT INSPECTOR: MIKE WIMER	DATE: 07/12/10	HOURS AT JOB SITE FROM 7:00 TO 3:30	TOTAL HOURS 8
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or performed.	any Log Sheet for today's activities		ioo naa no womea pian



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IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
7:00 AM	7:15 AM	Arrived on-site at 7:00 AM and sent an E-Mail to Steve Dixon, Casey Stephens, and Dominique Bramlett, SUBJECT: SWM Daily Construction Report for July 9, 2010. In addition, I also replied to Dominique's E-Mail SUBJECT: Pre-Construction Miniutes dated 7/9/2010 that I had no objections to the contents of the minutes.	Noted
7:30 AM	8:30 AM	Took pictures of the site around the main cell and access drive.	Noted
8:45 AM	11:15 AM	Gaudette Electrical Inc. arrived on-site to trench the conduit for the construction trailer.	Noted
11:30 AM	3:30 PM	Performed administrative tasks for the remainder of the day.	Noted
3:15 PM		Received the following E-mails throughout the day concerning the Phase III Construction: From Dominique Bramlett: SUBJECT: 013010-09A Preliminary Schedule of Shop Drawing dated 7/11/2010 10:52 AM From Dominique Bramlett: SUBJECT: 013010-03A Health and Safety Plan dated 7/11/2010 11:37 AM From Dominique Bramlett: SUBJECT: Health and Safety Officer Documentation dated 7/11/2010 11:42 AM From Dominique Bramlett: SUBJECT: 013010-04A Quality Control (QC) Plan dated 7/11/2010 12:27 PM From Dominique Bramlett: SUBJECT: RE Citrus County-Control Point 60 dated 7/12/2010 9:49 AM From Dominique Bramlett: SUBJECT: RE Citrus County-Control Point 60 dated 7/12/2010 10:30 AM From Dominique Bramlett: SUBJECT: Product Data Access Road Fabric dated 7/12/2010 10:47 AM From Dominique Bramlett: SUBJECT: Phase 3 Expansion Project-Shop Drawing Submittal-7/12/10 dated 7/12/2010 1:41 PM	Noted
	3:30 PM	Departed the site	Noted



					OF WORK	<u> </u>	154 T	
CONTRACT NAME SWM PHASE 3 E		CON	ITRACT NO: ITB 040-10	E .	7/13/2010	DAY OF WE		NO: 9 OF 210
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AIR HAMMI	ER		CULTIPACTOR			R & HAMMER		CK, DUMP
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ASPHALT [	DISTRIBUTOR	1	EARTH MOVER		PUMP			CK, LANE STRIPING
BACKHOE		1	FRONT END LOADER		ROLLER, ST	EEL WHEEL	TRUC	CK, PICKUP
BULLDOZE	:R		HAND LINER		ROLLER, TF	RAFFIC	TRUC	CK, WATER
CONCRETE	E BUCKET		HARROW		ROLLER VIE	BRATORY	WELI	POINT SYSTEM
CONCRETE	SAW		GENERATOR		ROTARY TIL	LER/MIXER	SPEC	IAL EQUIPMENT
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CRANE, CF	RAWLER		MOTOR GRADEI	R	TRANSPOR	Γ		
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	_CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/13/2010	TUESDAY	NO: 9 OF 210
WEATHER CONDITIONS: [	X CLEAR PARTE	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	94 HIGH73	LOW TEMPER	RATURE RESTRICTION NO	
	X NONE SLIGHT ND SPEED: 0 MP	STRONG PH WIND DIRECTION:		
1			SHOWERS END:	
RAIN DURATION: [	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	X DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
CONTROLLING WORK TENIC		30% OF WORK BAT	THAN 30% OF W	ORK ALL DAY
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	PHOTO	O INFORMATION:		
NUMBER OF PHOTOS	STAKEN: 0	<del></del>		
<u> </u>	PHO	TO ID NUMBERS		
VISITORS: None				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/13/2010	TUESDAY	NO: 9 OF 210

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS



TIME						
OUT	DESCRIPTION OF EVENT	ACTION TAKEN				
7:00 AM	Arrived on-site at 6:45 AM and sent an E-Mail to Steve Dixon, Ccasey Stephens, and Dominique Bramlett, SUBJECT: SWM Daily Construction Report for 7/12/2010.	Noted				
7:00 AM	It should be noted that the General Contractor, Comanco, had no work planned or performed.	Noted				
10:00 AM	As per Dominique Bramlett's request sent an E-Mail to Steve Dixon, Casey Stephens, and Dominique Bramlett, SUBJECT: SWM Daily Construction Reports for July 10 & 11 2010.	Noted				
2.30 PM	Departed the site to attend the Citrus County BOCC meeting to received 10 year award.	Noted				
2:55 PM	Placed a call to Project Engineer, Dominique Bramlett, to update her that no construction has occurred on-site for the past two days.	Noted				
3:05 PM	Received the following E-Mail today concerning the Construction of SWM Phase III Expansion: From: Dominique Bramlett: SUBJECT: SWM Daily Construction Report for July 12, 2010 dated 7/13/2010 9:14 AM	Noted				
3:15 PM	Departed the site at 3:15 PM	Noted				
	7:00 AM 7:00 AM 10:00 AM 2:30 PM 2:55 PM 3:05 PM	Placed a call to Project Engineer, Dominique Bramlett, to update her that no construction has occurred on-site for July 12, 2010 dated 7/13/2010 9:14 AM  DESCRIPTION OF EVENT  Arrived on-site at 6:45 AM and sent an E-Mail to Steve Dixon, Ccasey Stephens, and Dominique Bramlett, SUBJECT: SWM Daily Construction Report for 7/12/2010.  It should be noted that the General Contractor, Comanco, had no work planned or performed.  As per Dominique Bramlett's request sent an E-Mail to Steve Dixon, Casey Stephens, and Dominique Bramlett, SUBJECT: SWM Daily Construction Reports for July 10 & 11 2010.  Departed the site to attend the Citrus County BOCC meeting to received 10 year award.  Placed a call to Project Engineer, Dominique Bramlett, to update her that no construction has occurred on-site for the past two days.  Received the following E-Mail today concerning the Construction of SWM Phase III Expansion: From: Dominique Bramlett: SUBJECT: SWM Daily Construction Report for July 12, 2010 dated 7/13/2010 9:14 AM				



	DESCI	RIPTION OF WORK		strain and the strain	
CONTRACT NAME:	CONTRACT NO: DATE:		DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	7/14/2010	WEDNESDAY	NO: 10 OF 210	
	CONTRA	CTOR INFORMATION		the same of the	
CONTRACTOR: COMANCO EN	VVIRONMENTAL CONSTR	RUCTION CORPORATION			
SUBCONTRACTORS: BERG	LUND CONSTRUCTION S	SERVICES	· ·		
	11.				
			TIME (A	M/PM)	
DEL OPE	RATION AND LOCATION		BEGINNING	ENDING	
TOPOGRAPHICAL SURVEY OF	THE PHASE III CELL ANI	D ACCESS ROAD	7:00 AM	5:00 PM	
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PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
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FOREMAN			
SKILLED	3	10	
SEMI SKILLED			
COMMON			
TRAINEE		L	
GEOTECHNICAL TECH			

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$\Box$	AIR COMPRESSOR	CRANE, TRUCK	MULCHER		TRUCK, BUCKET	Τ
	AIR HAMMER	CULTIPACTOR	PILE DRIVER & HAMME	F T	TRUCK, DUMP	1
[	ASPHALT PAVER	DRAG LINE	POWER BROOM		TRUCK, GREASE	1
[	ASPHALT DISTRIBUTOR	EARTH MOVER	PUMP		TRUCK, LANE STRIPING	1
L	BACKHOE	FRONT END LOADER	ROLLER, STEEL WHEEL	3	TRUCK, PICKUP	1
	BULLDOZER	HAND LINER	ROLLER, TRAFFIC		TRUCK, WATER	1
	CONCRETE BUCKET	HARROW	ROLLER VIBRATORY		WELLPOINT SYSTEM	1
	CONCRETE SAW	GENERATOR	ROTARY TILLER/MIXER		SPECIAL EQUIPMENT	1
	CONCRETE SCREED	MECHANICAL TAMP	SPREADER, FERTILIZE	2	RTK SURVEY EQUIPT.	1
	CONCRETE VIBRATOR	MILLING MACHINE	TRACTOR, FARM			1
	CRANE, CRAWLER	MOTOR GRADER	TRANSPORT			1

CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				



CONTRACT NAME:	CONTRACT NO:	RACT NO: DATE: D		CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/14/2010	WEDNESDAY	NO: 10 OF 210
WEATHER CONDITIONS:	CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	94 HIGH 74	LOW TEMPER	NATURE RESTRICTION SPECIFICATION NO:	
	NONE X SLIGHT ND SPEED: 3 MF	STRONG PH WIND DIRECTION:	WES	ST
15			SHOWERS END:	
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WC	
TOPOGRAPHICAL SURVEY OF THE MAIN CELL AND ACCESS				
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NUMBER OF PHOTOS	Bulletin electronic de la companya d	O INFORMATION:		
	PHO	TO ID NUMBERS		
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POT HOLING				
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VISITORS: None				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/14/2010	WEDNESDAY	NO: 10 OF 210

GENERAL COMMENTS: See CQA Daily Log Sheet for today's activities.

PROJECT INSPECTOR: MIKE WIMER	DATE: 07/14/10	HOURS AT JOB SITE FROM 6:45 TO 5:00	TOTAL HOURS 10.25



TIME					
iN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN		
6:45 AM	7:00 AM	Arrived on-site at 6:45 AM and sent an E-Mail to Steve Dixon, Casey Stephens, and Dominique Bramlett SUBJECT: SWM Daily Construction Report for July 13, 2010.	Noted		
7:00 AM	8:15 AM	Comanco Superintendent, Bill Newman, and Berglund Construction Services arrived on-site to establish control points for construction.	Noted		
8:15 AM	5:00 PM	Berglund Construction Services was able to establish a closed traverse that met the Minimum Technical Standards for a Topographical Survey. The remainder of the day was spent collecting topographical points for the Phase III Construction.	Noted		
10:00 AM	10:40 AM	The owner is requesting that proposed acess road be extended to line up with the the current drive within the active cell. The owner is also some sort of protective covering be placed over the limerock to prevent it from eroding away. Also some sort of stormwater conveyance system should be establish to transport stormwater into the existing system	Noted		
11:45 AM	11:00 AM	Comanco Superintendent, Bill newman, picked up the Demolation Permit from the Citrus County's Building Department. It should also be noted that an Electrical Permit is still required for the project.	Noted		
11:45 AM	11:50 AM	Comanco Superintendent, Bill Newman, informed me that progress Energy will not be able to set the power pole and transformer for six weeks for the Construction Trailer. Comanco is planning on powering the Construction Trailer via a portable generator until Progress Energy sets the meter.	Noted		
12:55 PM	1:10 PM	Place a phone call to Dominique Bramlett to informed her of the morning activities. Also informed her that the coordinates she sent for Citrus 13 & Citrus 14 was incorrect. Also informed her the Owner's requests for the access drive.	Noted		
	5:00 PM	Berglund Construction Services departed the site.	Noted		
	5:00 PM	Comanco Superintendent, Bill Newman departed the site.	Noted		
5:00 PM	5:05 PM	Received the following E-Mails concerning the Phase III Expansion Project: From: Dominique Bramlett SUBJECT: Citrus Co-Control No. 60 dated 7/14/10 1:27 PM From: Dominique Bramlett SUBJECT: Citrus County Preconstruction Meeting dated 7/14/2001 1:27 PM	Noted		
	5:05 PM	Departed the site at 5:05 PM.			



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CONTRACT NAME: SWM PHASE 3 EXPANSION	CO	NTRACT NO: ITB 040-10	DATE: 7/15/2010	DAY OF WEEK: THURSDAY	NO: 11 OF 210
		CONTE	RACTOR INFORMATION		
CONTRACTOR: COMANCO	ENVIR	ONMENTAL CONS	TRUCTION CORPORAT	ION	
SUBCONTRACTORS: BER	GLUNE	CONSTRUCTION	SERVICES		
				Total Control of Control Control	/ and frame and a second secon
O.P.	SPATI	ON AND LOCATIO	NICO CO ESCULUTO O EXCENSIONE		(AM/PM)
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		HOURS			
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSIO	N ITB 040-10	7/15/2010	THURSDAY	NO: 11 OF 210
WEATHER CONDITIONS:	CLEAR X PAR	TLY CLOUDY	AVY CLOUDS	Fog
TEMPERATURE:	94 HIGH 74	LOW TEMPE	RATURE RESTRICTION SPECIFICATION NO	
WIND:	XNONE SLIGHT		<b>l</b> :	
RAIN:		HEAVY START: 1:30 START:	SHOWERS END: 5:00 END:	0.36 INCHES
RAIN DURATION:	0-2 HRS X 2-4 HR	S 4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT_GOOD	XFAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	ACCEPTABLE X		LESS THAN 50% OF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY XWET	EXTREMELY W	ET	
	EFFECTS OF WE	ATHER ON MAJOR WORK	ITEMS.	
MAJOR AND/OR CONTROLLING WORK ITEM		EFFECTED LESS THAI 50% OF WORK DAY		
TOPOGRAPHICAL SURVEY	OF	X		
THE MAIN CELL				
NUMBER OF PHOTO	THE SECTION OF THE PROPERTY OF	OTO INFORMATION:		
	PH	OTO ID NUMBERS		
VISITORS: DOMINIQUE BR.	AMLETT, MARK TOPP			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/15/2010	THURSDAY	NO: 11 OF 210

rksheet for today's activities.	orksheet for today's activities.



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IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM	7:45 AM	Arrived on site at 6:30 AM and sent an E-Mail to Steve Dixon, Casey Stephens, and Dominique Bramlett, SUBJECT: SWM Daily Construction Report for July 14, 2010	Noted
4:45 PM	7:45 AM	Departed the site to attend Spotter's Training for Landfills at Central Ridge Library.	Noted
4:50 PM	4:55 PM	Received the following E-Mails for the Phase III Expansion: From: Dominique Bramlett, SUBJECT: Proposed Access Road Survey Dated 7/15/2010 1:39 PM From: Dominique Bramlett, SUBJECT: Citrus County Phase 3 Expansion Project Dated 7/15/2010 4:12 PM From: Dominique Bramlett, SUBJECT: Uniaxial Geogrid Item-Citrus County LF Phase III Expansion dated: 7/15/2010 4:41 PM From: Dominique Bramlett, SUBJECT: 013010-09B Preliminary Schedule of Shop Drawing Submittals, dated: 7/15/10 5:08 PM From: Dominique Bramlett, SUBJECT: 015001-01B Licensed Professional Land Surveyor dated: 7/15/2010 5:21 PM From Dominique Bramlett, SUBJECT: Health and Safety Plan dated: 7/15/2010 5:38 PM.	Noted
	5:00 PM	Departed the site at 5:00 PM.	Noted



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ONTRACT NAME:			TRACT NO:			DAY OF WE	EK:	CONTRACT DAY
SWM PHASE 3 EXE			ITB 040-10		//16/2010	FRID	AY	NO: 12 OF 210
			CONT	RACTOR INF	ORMATION			
ONTRACTOR: CO						NC		
UBCONTRACTORS	: BERG	LUND	CONSTRUCTION	N SERVICES				
<u></u>								
							TIME	(AM/PM)
	OPE	RATIC	ON AND LOCATION	ON		BEGINI	NING	ENDING
OPOGRAPHICAL SU	URVEY OF	THE	MAIN CELL			7:00	AM	8:45 AM
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GEOTECHNICAL TO A BULLDOZER FRONT END I	AINEE TECH	A	SURVEYING EC	A QUIPMEN	rive/idle)		Á	
GEOTECHNICAL TO A BULLDOZER FRONT END I GENERATOR	AINEE TECH	A	SURVEYING EC GPS BASE STA RTK ROVER	QUIPMEN TION	FIVE/IDLE)		<b>A</b>	
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GEOTECHNICAL 1  A BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE	AINEE TECH LOADER		SURVEYING EC GPS BASE STA RTK ROVER	QUIPMEN TION	FIVE/IDLE)		<b>A</b>	
A BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE	AINEE TECH LOADER EEL WHEE KID STEEF		SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATION	QUIPMEN TION	FIVE/IDLE)		A V	
A BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SY TRUCK, DUM	AINEE TECH LOADER LOADER KID STEEF		SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATION	QUIPMEN TION	rive/idle)		<b>A</b>	
GEOTECHNICAL TO THE PURP ROLLER, STE TRUCK, DUM TRUCK, PICK	AINEE TECH LOADER LOADER KID STEEF P LUP		SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATION	QUIPMEN TION	rive/idle)		<b>A</b>	
A BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SY TRUCK, DUM	AINEE TECH LOADER LOADER KID STEEF P LUP		SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATION	QUIPMEN TION	rive/idle)		<b>A</b>	
GEOTECHNICAL TO THE PURP ROLLER, STE TRUCK, DUM TRUCK, PICK	AINEE TECH LOADER LOADER KID STEEF P LUP		SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATION	QUIPMEN TION	rive/idle)		<b>A</b>	
GEOTECHNICAL TO THE PURP ROLLER, STE TRUCK, DUM TRUCK, PICK	AINEE TECH LOADER LOADER KID STEEF P LUP		SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATION	QUIPMEN TION	rive/idle)		<b>A</b>	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/16/2010	FRIDAY	NO: 12 OF 210
WEATHER CONDITIONS: [	XCLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	94 HIGH 75	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	X NONE SLIGHT IND SPEED: 0 MP	STRONG TH WIND DIRECTION:	<del> </del>	
i			SHOWERS END: END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50%	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	X DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
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NUMBER OF PHOTOS	SKI BOSOCKE GEOGRAFISKE HOND IN DOMESTE GODERN DE	O INFORMATION:		
	PHOT	TO ID NUMBERS		
ROLLER FRONT END LOADE	<u></u>			
FUEL TANK				
DOZER				
L			J L	
VISITORS: Jesse Roberts, Co	manco's Fleet Operations Ma	anager		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/16/2010	FRIDAY	NO: 12 OF 210

GENERAL COMMENTS: See CQ	A Daily Log Sheet for today's acti	vities.	
ROJECT INSPECTOR:	DATE: 07/16/10	HOURS AT JOB SITE	



Til	ME		
IN.	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:45 AM		Arrived on-site at 6:45 AM.	Noted
7:00 AM	9:00 AM	The Project's Surveyor, Berglund Construction Services, arrived on- site to establish elevations on the project's control points.	Noted
7:45 AM	7:50 AM	Received a voice main from Comanco's Superintendent, Bill Newman, the the project surveyors will be on-site and equipment will be mobilized to the site.	Noted
9:50 AM	11:50 AM	Gaudette Electric Inc. dropped off a portable generator to power the construction trailer.	Noted
10:45 AM	2:30 PM	Jesse Roberts, Comanco's Fleet Operations Manager, was on-site to direct the mobilization of equipment.	Noted
12:20 PM	12:50 PM	The following equipment was delivered to the site: 1 each Front End Loader, John Deere model No. 644H Comanco Vechicle Number LD-E001, with bucket and forks. 1 each Sakai CV550D Roller Comanco Vechicle Number RL-E001. The equipment was hauled in by Brewington Towing and Recovery based out of Plant City, Florida	Noted
4:05 PM	4:30 PM	A John Deere 850J Dozer with GPS capabiliteis arrived on-site. The driver from Brewington Towing unloaded the equipment and departed the area.	Noted
4:45 PM	4:50 PM	Received the following E-Mails concerning the Phase III Expansion Construction: From: Dominique Bramlett, SUBJECT: 013010-05A Health and Safety Officer Documentation dated 7/16/10 10:57 AM From: Dominique Bramlett, SUBJECT: 310519-03A Product Data Access Road Fabric dated 7/16/10 12:14 PM From: Dominique Bramlett, SUBJECT: Progress Meeting Minutes # 1 dated 7/16/10 3:21 PM From: Dominique Bramlett, SUBJECT: Citrus County Central Landfill Sho Drawing Submittal Log dated: 7/16/10 3:35 PM	Noted
	5:00 PM	Departed the site at 5:00 PM.	Noted



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CONTRACT NAME:	C	CONTR	RACT NO:			1	WEEK:	CONTRACT DAY NO: 13 OF 210
SWM PHASE 3 EX  CONTRACTOR: CO SUBCONTRACTORS	MANCO ENV							1.1. A. 1. 1.4. 1.4. 1.4. 1.4. 1.4. 1.4.
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/17/2010	SATURDAY	NO: 13 OF 210
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	97 HIGH 71	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	NONE XSLIGHT ND SPEED: 5 MP	STRONG WIND DIRECTION:	SOUTH	IEAST
ī			SHOWERS END:	
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF DURATION OF CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	ODRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
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NUMBER OF PHOTOS	- Court — Principal programmers are a service and the result of the court of the co	O INFORMATION:		
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VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/17/2010	SATURDAY	NO: 13 OF 210

GENERAL COMMENTS: See CQA Da	ally Log Sheet for today's activitie	es.	
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PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/17/10	FROM 7:00 TO 7:00	0

F:\PROJECT\Citrus\09207049.06\Citrus County Daily Field Reports\2010-0717-daily 13.xls



TIME					
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN		
7:00 AM	7:00 AM	No worked was planned or performed today.	Noted		
9:30 AM	1:15 PM	Received the following E-Mails regarding the Phase III Expansion: From: Dominique Bramlett, SUBJECT: 310521-06A Biplanner Manufactures Material Data and Specifications Citrus County Phase 3 Expansion Project dated 7/17/10 9:30 AM From: Dominique Bramlett, SUBJECT: Biaxial Geogrid Material Data-Citrus County Phase 3 Expansion Project dated 7/17/10 9:50 PM From: Dominique Bramlett, SUBJECT: 310519-01A 16 oz Non Woven Geotextile Citrus County Phase 3 Expansion Project dated 7/17/10 10:23 AM From: Dominique Bramlett, SUBJECT: 029041-03A Geosynthetic Rain Tarp Layout-Citrus County Phase 3 Expansion Project dated 7/17/10 10:35 AM From: Dominique Bramlett, SUBJECT: 310520-01A Triplanar manufacture's Experience of 5,000,000 sf dated 7/17/10 10:52 AM From: Dominique Bramlett, SUBJECT: 310520-07A MQC Program-Triplanar Geocomposite-Citrus County Phase 3 Expansion Project dated 7/17/10 11:09 AM From: Dominique Bramlett, SUBJECT: 310520-03A Triplanar Transmissivity-Citrus County Phase 3 Expansion dated 7/17/10 11:24 AM From: Dominique Bramlett, SUBJECT: 029041-04A Rain Tarp Product Data Sheet dated 7/17/10 11:45 AM From: Dominique Bramlett, SUBJECT: 025615-07A GCL Product Data Sheet-Citrus County Phase 3 Expansion Project dated 7/17/10 12:13 PM From: Dominique Bramlett, SUBJECT: Triplanar Manufacture's Installation Instructions dated 7/17/10 12:26 PM From: Dominique Bramlett, SUBJECT: Triplanar Manufacture's Installation Instructions dated 7/17/10 12:26 PM From: Dominique Bramlett, SUBJECT: Triplanar Manufacture's Installation Instructions dated 7/17/10 12:26 PM From: Dominique Bramlett, SUBJECT: Triplanar Material Data and Specifications dated 7/17/10 1:00 PM From: Dominique Bramlett, SUBJECT: Shop Drawing Submittal Log dated 7/17/10 1:10 PM	. Noted		



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CONTRACT NAME: SWM PHASE 3 EXPANS			CT NO: 3 040-10		7/18/2010	DAY OF WEEK: SUNDAY	NO: 14 OF 210
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CONTRACTOR: COMAN				STRUCTION	CORPORATION	NC	
SUBCONTRACTORS:							
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FRONT END LOAI	DER	GPS	BASE STA	TION			
GENERATOR		RTK	ROVER	i			
PUMP			AL STATION				
ROLLER, STEEL \		ENG	INEER'S LE	VEL			
TRACTOR, SKID S	STEER						
TRUCK, DUMP							
TRUCK, PICKUP							
TRUCK, WATER					<b>_</b>		
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/18/2010	SUNDAY	NO: 14 OF 210
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:		_LOW TEMPER	ATURE RESTRICTION NO	
WIND: W	NONE XSLIGHT IND SPEED: 5 MF	STRONG PH WIND DIRECTION:	EA	IST
		ART:	SHOWERS END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% E F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
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VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/18/2010	SUNDAY	NO: 14 OF 210

GENERAL COMMENTS: See CQA Dail	y Log Sheet for today's activities		
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PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/18/10	FROM 7:00 TO 7:00	0



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IN.	∗OUT.	DESCRIPTION OF EVENT	ACTION TAKEN				
7:00 AM	7:00 AM	No work was planned or perform.	Noted				



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IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
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	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/19/2010	MONDAY	NO: 15 OF 210
医乳腺 医多种性神经病	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR			
SUBCONTRACTORS: A-1 SIL	TS AND EROSION			
		•		
	···			
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
SOUTH ACCESS DRIVE			7:00 AM	5:15 PM
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PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
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Х	BULLDOZER		SURVEYING EQUIPMEN				
Х	FRONT END LOADER	Х	GPS BASE STATION				
X	GENERATOR		RTK ROVER				
	PUMP		TOTAL STATION				***
Х	ROLLER, STEEL WHEEL		ENGINEER'S LEVEL				
	TRACTOR, SKID STEER						
	TRUCK, DUMP						
2	TRUCK, PICKUP						
	TRUCK, WATER						1
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CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/19/2010	MONDAY	NO: 15 OF 210
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	95 HIGH 79	LOW TEMPER	SPECIFICATION N	B.
	NONE SLIGHT D SPEED: MP	STRONG H WIND DIRECTION:		
15		ART:	SHOWERS END: END:	
RAIN DURATION: X	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTXGOOD	FAIR	POOR	□BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF V	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/19/2010	MONDAY	NO: 15 OF 210

PROJECT INSPECTOR: MIKE WIMER	DATE: 07/19/10	HOURS AT JOB SITE FROM 6:30 TO 5:15	TOTAL HOURS 10.25
GENERAL COMMENTS, 366 CQ	A Daily Log Sheet for today's active	villes.	



TII	TIME								
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN						
6:30 AM		Arrived on-site at 6:30 AM and sent an E-Mail to Steve Dixon, Casey Stephens, and Dominique Bramlett, SUBJECT: SWM Daily Construction Report for July 15 thru July 18 2010	Noted						
7:00 AM		Comanco Superintendent, Bill Newman, arrived on-site. In addition, A-1 Silt and Erosion Control was on-site to installed silt fence along the South Side of the Access Road.	Noted						
10:30 AM	12:00 PM	Comanco Surveyor loaded the GPS Model for the John Deere 850-J Dozer.	Noted						
12:00 PM	1:15 PM	Comanco rough grades the access road going into the active face of the landfill.	Noted						
12:45 PM	2:30 PM	A-1 Silt and Erosion Control begins installing silt fence on the South Access Drive. Approximately 1,200 LF of silt fence was installed.	Noted						
3:15 PM	5:00 PM	Comanco started stripping off the impoundment service road erosion protection. The material being removed will be used on the access road.	Noted						
5:00 PM	5:10 PM	Received the following E-Mails concerning the Phase III construction: From: Dominique Bramlett, SUBJECT: RE 313219-09A Biaxial Geogrid Material-Citrus County Phase 3 Expansion Project dated 7/19/10 9:03 AM From: Dominique Bramlett, SUBJECT: Weekly Progress Meeting # 2 Agenda and Sign-in sheet dated 7/19/10 10:05 AM From: Dominique Bramlett, SUBJECT: 313219-06A Geogrid Loading, Unloading, and Storage dated 7/19/10 1:45 PM	Noted						
	5:15 PM	Comanco Superintendent, Bill Newman departed the site.	Noted						
	5:15 PM	Departed the site at 5:15 PM.	Noted						



CONTRACT NAME:			CRIPTION OF WORK		<u>and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second </u>
		NTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION				TUESDAY	NO: 16 OF 210
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CONTRACTOR: COMANCO	) ENVIR	ONMENTAL CONS	TRUCTION CORPORAT	ION	
SUBCONTRACTORS:			<del>,_</del> .		
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CONSTRUCTION OF THE EX	TIDOWI	VARILA		11.30 AW	5.00 PIVI
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TRACTOR, SKID STE		ENGINEER'S LEV	/EL		
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/20/2010	TUESDAY	NO: 16 OF 210
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE: _	99 HIGH 73	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
<u> </u>	NONE XSLIGHT SPEED: 7 MP	STRONG H WIND DIRECTION:		
15			SHOWERS END:	
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ΪΤ	
· 机聚物 含甲烷医酸	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
Demolition of the Phase III Cell	X			
Construction of the Lay Down area	$\overline{X}$			
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NUMBER OF PHOTOS	enemberah demparkatah batuan basai terbahan	) INFORMATION:	one of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the secon	
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DEMO-2				
STORM PUMPS				
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<u> </u>				
VISITORS: Dominique Bramlett	, SCS Engineers, Ken Frink	, Director of Public Works		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/20/2010	TUESDAY	NO: 16 OF 210

GENERAL COMMENTS: See CQA Daily Log Sheet for today's activities.

PROJECT INSPECTOR: MIKE WIMER	DATE: 07/20/10	HOURS AT JOB SITE FROM 6:30 TO 5:15	



TII	TIME								
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN						
6:30 AM		Arrived on-site at 6:30 AM.	Noted						
7:00 AM	11:30 AM	Comanco Superintendent, Bill Newman, and his operator arrived onsite and continued to remove the Protective Cover off the Service impoundment service road erosion protection. Comanco also removed the Asphalt from the impoundment service road. Using the front end loader, the asphalt was removed and off to the stockpile North of the Phase III Expansion Cell.	Noted						
9:45 AM	11:10 AM	SCS Project Engineer, Dominique Bramlett arrived on-site and inspected the area.	Noted						
11:30 AM	5:00 PM	Comanco worked on the laydown area for the remainder of the day.	Noted						
3:45 PM	3:50 PM	Received the following E-Mail regarding the Phase III Expansion: From: Dominique Bramlett, SUBJECT: Fw: progress Report dated 7/20/10 2:28 PM	Noted						
4:15 PM	5:15 PM	Comanco 2nd Operator arrived on-site.	Noted						
	5:15 PM	Comanco Superintendent, Bill Newman, departed the site.	Noted						
	5:15 PM	Departed the site at 5:15 PM	Noted						
	,								



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	DES	SCRIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/21/2010	WEDNESDAY	NO: 17 OF 210
	CONT	RACTOR INFORMATION		
CONTRACTOR: COMANCO E	NVIRONMENTAL CONS	STRUCTION CORPORATION		
SUBCONTRACTORS: DIAM	OND TRANSPORT			
		· · · · · · · · · · · · · · · · · · ·		
	· · · · · · · · · · · · · · · · · · ·			
			TIME (A	AM/PM)
Section Section (Section 1)	RATION AND LOCATION	DN .	BEGINNING	ENDING
DEMOLITION OF THE PHASE	III CELL		7:45 AM	9:30 AM
SOUTH ACCESS DRIVE			9:30 AM	4:00 PM
			· · · · · · · · · · · · · · · · · · ·	
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estra dell'usini dell'estra dell'est	Hours			and the first street to the last
PERSONNEL	NO WORKED	MAT	ERIALS RECEIVED	
SUPERVISOR	1 10		· · · · · · · · · · · · · · · · · · ·	
FOREMAN				

NO	HOURS WORKED	MATERIALS RECEIVED
11	10	
2	10	
2	9	
		,
	1 2	1 10 2 10

Χ	BULLDOZER		SURVEYING EQUIPMEN			
Χ	FRONT END LOADER	Х	GPS BASE STATION			
Χ	GENERATOR		RTK ROVER			
	PUMP		TOTAL STATION			
Χ	ROLLER, STEEL WHEEL		ENGINEER'S LEVEL		-	
	TRACTOR, SKID STEER					
2	TRUCK, DUMP					
1	TRUCK, PICKUP					
	TRUCK, WATER					

	CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS						
	<del></del> -								
-	<del></del>								



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/21/2010	WEDNESDAY	NO: 17 OF 210
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	99 HIGH 73	LOW TEMPÉF	RATURE RESTRICTION SPECIFICATION NO:	
	NONE XSLIGHT ND SPEED: 10 MF	STRONG  WIND DIRECTION:	EAST/NOF	THEAST
·			SHOWERS END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	_EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
DEMOLITION OF PHASE III CELL	×		Ш	
SOUTH ACCESS DRIVE	X			
NUMBER OF PHOTOS	Excellence by Excellence by Applied of the second contraction of the contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second contraction of the second c	O INFORMATION: 		
	PHO	TO ID NUMBERS		
RUBBLE				
STOCKPILES				
HAUL ROAD TRANSPORT		<del> </del>		
FILL MATERIAL				
PROOF ROLLING		<del></del>		
WORK COMPLETED				
VISITORS: None				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/21/2010	WEDNESDAY	NO: 17 OF 210

GENERAL COMMENTS: See CQA Dail	y Log Sheet for today's activities	3.	
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DDO IFOT INCREATOR.	DATE	LIQUIDO AT JOB OUTS	TOTAL HOUSE
PROJECT INSPECTOR: MIKE WIMER	DATE: 07/21/10	HOURS AT JOB SITE FROM 6:30 TO 5:00	TOTAL HOURS 10

F:\PROJECT\Citrus\09207049.06\Citrus County Daily Field Reports\2010-0721-daily 17.xls



TII	ИE		
IN	OUT	DESCRIPTION OF EVENT.	ACTION TAKEN
6:30 AM	7:00 AM	Arrived on-site at 6:30 AM, and as per Dominique Bramlett request collected a 3-ft wide sample of woven geotextile fabric to send to TRI for testing.	Noted
7:00 AM		Comanco Superintendent, Bill Newman, and two operators arrived onsite	Noted
7:45 AM	9:30 AM	Two trucks from Diamond Transport arrived on-site to transport rock from the Phase III Cell and stockpile it East of the Construction Trailer.	Noted
9:45 AM	4:00 PM	Comanco started to haul fill in from the stockpile in preparation of the access road.	Noted
10:15 AM	11:15 AM	Comanco Superintendent, Bill newman, collected soil samples for Geotechnical Testing by Universal.	Noted
3:30 PM	4:00 PM	Received the following E-Mails concerning the Phase III Expansion: From: Dominique Bramlett, SUBJECT: Citrus County Phase 3 Expansion dated 7/20/10 5:04 PM From: Dominique Bramlett, SUBJECT: 0130-04B QC Plan dated 7/21/10 12:07 PM From: Dominique Bramlett, SUBJECT: 330520-14A Panel Layout asbuilts-Citrus County Phase 3 Expansion Project dated 7/21/10 12:22 PM From: Dominique Bramlett, SUBJECT: 310520-04A Triplanar Roll Layout Drawing Citrus County Phase 3 Expansion Project dated 7/21/10 12:31 PM From: Dominique Bramlett, SUBJECT: 310521-04A Biplanar Roll Layout Drawings Citrus County Phase 3 Expansion Project dated From: Dominique Bramlett, SUBJECT: 013010-07A Project Work and Spec Compliance Citrus County Phase 3 Expansion Project dated 7/21/10 12:49 PM	Noted
	4:00 PM	The two trucks from Diamond Transport departed the area. Eleven loads (198 yd³) of concrete rubble was stockpile, and 50 loads (900 yd³) of fill was hauled onto the access road.	Noted
	5:00 PM	Departed the area at 5:00 PM.	Noted



	- 100 - 7	DE	SCRIPTION OF WORK		
CONTRACT NAME:		TRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	N	ITB 040-10	7/22/2010	THURSDAY	NO: 18 OF 210
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CONTRACTOR: COMANCO	) ENVIR	NMENTAL CON	ISTRUCTION CORPORATION	ON	
SUBCONTRACTORS: UN	IIVERSAL	CONSTRUCTION	ON TESTING		
DIAMOND TRANSPORT					
****				CARALLE STIME	(AM/PM)
	PERATIC	ON AND LOCATI	ON	BEGINNING	ENDING
SOUTH ACCESS DRIVE				7:00 AM	5:00 PM
	-				
PERSONNEL	NO	HOURS WORKED	M	ATERIALS RECEIVED	
SUPERVISOR	1	10.25			
FOREMAN					•
SKILLED	2	10.25			
TRUCK DRIVERS	2	9			
COMMON					
TRAINEE				· ·	-
GEOTECHNICAL TECH	1	1		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Att BE	EQI	JIPMENT (ACTIVE/IDLE)		
A	Α		A	A	
X BULLDOZER		SURVEYING E	QUIPMEN		

Х	BULLDOZER	 SURVEYING EQUIPMEN			1		٦
Х	FRONT END LOADER	GPS BASE STATION				 	٦
Х	GENERATOR	RTK ROVER		 _	1		П
	PUMP	TOTAL STATION					
Χ	ROLLER, STEEL WHEEL	ENGINEER'S LEVEL					_
	TRACTOR, SKID STEER						
2	TRUCK, DUMP						
Х	TRUCK, PICKUP					 	_
	TRUCK, WATER			•			Т
Х	TRACKHOE		$\neg$	 		 	T

CON	TRACT QUANTITY INCREA	ASES TODAY
ITEM	QUANTITY	REMARKS AND CALCULATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/22/2010	THURSDAY	NO: 18 OF 210
WEATHER CONDITIONS:	CLEAR PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	99 HIGH <u>73</u>	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
WIND: [ WI	NONE XSLIGHT ND SPEED: 4 MF	STRONG PH WIND DIRECTION:	NORTH	HEAST
1			SHOWERS END:	
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF [2 ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	ORY WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	THER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI	
SOUTH ACCESS DRIVE	×			
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NUMBER OF PHOTOS	erecentrista ing transportation of the same to the system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second	O INFORMATION:		
		TO ID NUMBERS		
WOVEN GEOTEXTIL PSI OVERLAP STABILIZER				
VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/22/2010	THURSDAY	NO: 18 OF 210

GENERAL COMMENTS: See CQA Daily	y Log Sheet for today's activities	•	
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			<u> </u>
			TOTAL 118:::55
PROJECT INSPECTOR: MIKE WIMER	DATE: 07/22/10	HOURS AT JOB SITE FROM 6:30 TO 5:15	TOTAL HOURS 10.25



TIME					
IN.	OUT	DESCRIPTION OF EVENT	ACTION TAKEN		
6:30 AM	7:15 AM	Arrived on-site at 6:30 PM.	Noted		
9:15 AM	7:15 AM	Departed the site to attend the Pre-Construction Meeting for CR-486.	Noted		
10:00 AM	10:30 AM	Attended the progress meeting conducted by Dominique Bramlett. In attendance from Comanco was Troy Watral, Justin Endsley, and Bill Newman. In attendance from Citrus County was Carman Bruno and Mike Wimer. For a listing of the topics discussed see Construction Agenda # 2.	Noted		
1:30 PM	11:30 AM	Departed the site to attend the retirement lunch for Citrus County Surveyor, Pat Hensen. While off-site Comanco Geotechnical Engineer Universal performed density testing on the South Access Road. Comanco also had a trackhoe (John Deere 3500-J)	Noted		
2:00 PM	3:00 PM	Robert Burns, PSI Field Technician, arrived on-site to provide 3rd party density testing on the South Access Drive. PSI also collected various soil samples for a modified proctors from the locations directed by Ed Hilton.	Noted		
	5:15 PM	Departed the site at 5:15 PM	Noted		



		DES	SCRIPTION OF WORK			
ONTRACT NAME: SWM PHASE 3 EXPANSI		NTRACT NO: ITB 040-10	DATE: 7/23/2010	1	DAY OF WEEK: FRIDAY	CONTRACT DAY NO: 19 OF 210
	1 . A. 1	CONT	RACTOR INFORMATIO	)N		
CONTRACTOR: COMANC	NVIR	ONMENTAL CON:	STRUCTION CORPOR	ATION		
UBCONTRACTORS: DI	AMOND	TRANSPORT				
		·				
<u> </u>			=-11-9/		TIME	
	PERATI	ON AND LOCATION	ON .		BEGINNING	
OUTH ACCESS DRIVE					7:00 AM	5:15 PM
PERSONNEL	NO	HOURS		MATE	RIALS RECEIVED	
	Part C	WORKED				The second second second second
SUPERVISOR	1	10.25		324 YD	OF STABILIZER	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/23/2010	FRIDAY	NO: 19 OF 210
WEATHER CONDITIONS: [	CLEAR X PARTL	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	95 HIGH <u>75</u>	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
WIND: [ WI	NONE XSLIGHT ND SPEED: 8 MP	STRONG PH WIND DIRECTION:	EAST/NOF	RTHEAST
1			SHOWERS END: END:	
RAIN DURATION: [	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	X DRY WET	EXTREMELY WE	:T	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/23/2010	FRIDAY	NO: 19 OF 210

GENERAL COMMENTS: See CQ	A Daily Log Sheet for today's activi	ties.	
PROJECT INSPECTOR: MIKE WIMER	DATE: 07/23/10	HOURS AT JOB SITE FROM 6:30 TO 5:15	TOTAL HOURS 10.25



TIN	ΛE		
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM		Arrived on-site at 6:30 AM.	Noted
8:00 AM	8:30 AM	A 2,000 gallons water truck arrived on-site from Ring Power.	Noted
8:15 AM	8:40 AM	4 each mini-wheelers dump trucks from M&L Trucking deliver base material on-site.	Noted
9:45 AM	9:50 AM	Took a sample of the woven geotextile fabric at the southeast corner of the access drive.	Noted
1:00 PM	1:20 PM	Robert Burns from PSI arrived on-site, however he was unable to performed any density testing on the stabilizer. He will return on Monday.	Noted
2:30 PM	2:50 PM	Comanco Geotechnical Consultant, Univerisal was on-site for compaction density testing. Univerisal took 3 test and departed the site.	Noted
3:30 PM	3:40 PM	Received the following E-Mails concerning the Phase III Expansion Construction: From: Dominique Bramlett, SUBJECT: Citrus County Progress Meeting # 2 (Project Number 090207049.6) dated 7/23/10 12:34 PM From: Dominique Bramlett, SUBJECT: Citrus County Phase 3 Expansion Progress Meeting No.3 Agenda & Sign In Sheeted dated 7/23/10 12:39 PM From: Dominique Bramlett, SUBJECT: Citrus County Phase 3 Expansion Pay Application No. 2 dated 7/23/10 2:13 PM From: Dominique Bramlett, SUBJECT: 313219-02A Geogrid Installation Plan dated 7/23/10 2:29 PM From: Dominique Bramlett, SUBJECT: Citrus County Shop Drawing Submittal Log dated 7/23/10 3:25 PM	Noted
	5:15 PM	Departed the site at 5:15 PM	Noted
	·· -·· · · · · · · · · · · · · · · · ·		



		_	DES		F WORK		
CONTRACT NAME: SWM PHASE 3 EXPA		CON.	TRACT NO: ITB 040-10	1	//24/2010	DAY OF WEEK: SATURDAY	CONTRACT DAY NO: 20 OF 210
		<u> </u>	CONT	RACTOR INF	ORMATION		
CONTRACTOR: COM	IANCO EN					DN	
SUBCONTRACTORS:							
							(AM/PM)
	OPER	ATIO	N AND LOCATION	N		BEGINNING	ENDING
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ROLLER, STEE TRACTOR, SK TRUCK, DUMP	D STEER		ENGINEER'S LE	EVEL			
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SWM PHASE 3 EXPANSION	ITB 040-10	DATE: 7/24/2010	SATURDAY	NO: 20 OF 210
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WEATHER CONDITIONS:				FOG
TEMPERATURE:	HIGH	LOW LI TEMPER	RATURE RESTRICTION N SPECIFICATION N	
	NONE XSLIGHT IND SPEED: 6 MP		East/S	outheast
•	NONE x_LIGHT 1ST RAINFALL: ST 2ND RAINFALL: ST	ART:	SHOWERS END:	0.37 " predicted
RAIN DURATION:	0-2 HRS X 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ET	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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VISITORS:				



CONTRACT NAME:		DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/24/2010	SATURDAY	NO: 20 OF 210

GENERAL COMMENTS: See CQA Dai	ly log sheet for today's activities.		
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			•
PROJECT INSPECTOR: MIKE WIMER	DATE: 07/24/10	HOURS AT JOB SITE FROM 7:00 TO 7:00	TOTAL HOURS

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ŢΙΙ	TIME						
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN				
7:00 AM	7:00 AM	No work was planned or performed today.	Noted				
,							



			DES		OF WORK			
CONTRACT NAME:		CON	NTRACT NO:	DATE:		DAY OF W		CONTRACT DAY
SWM PHASE 3 EX			ITB 040-10		7/25/2010		IDAY	NO: 21 OF 210
		3 10 11	CONTR	RACTOR IN	FORMATION			
CONTRACTOR: CO		NVIRO	NMENTAL CONS	TRUCTION	CORPORATI	ON		
SUBCONTRACTORS	:							
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						Signal Section (1997)	TIME	(AM/PM)
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BULLDOZER			SURVEYING EQ					
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GENERATOR	<b>(</b>	-	RTK ROVER		-			
PUMP ROLLER, STE		=1	TOTAL STATION ENGINEER'S LE		<del></del>		-	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/25/2010	SUNDAY	NO: 21 OF 210
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	95 HIGH <u>74</u>	LOW TEMPER	RATURE RESTRICTION NO	
<u></u>	NONE XSLIGHT SPEED: 4 MP	STRONG H WIND DIRECTION:	EAST/SC	DUTHEAST
15		ART:	SHOWERS END:	0.18 ' PREDICTED
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	·T	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
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NUMBER OF PHOTOS	production between the second	O INFORMATION:		
	РНОТ	O ID NUMBERS		
			+	
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L				
VISITORS: NONE	· · · · · ·			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/25/2010	SUNDAY	NO: 21 OF 210

ENERAL COMMENTS: See CQ	A Daily Log Sheet for today's ac	ctivities.	
OJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS



TIME				
IN	оит	DESCRIPTION OF EVENT	ACTION TAKEN	
		No work was planned or performed today.	Noted	
	_			



TIME				
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN	
	}			
	,			



TIME			
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/26/2010	MONDAY	NO: 22 OF 210
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	VIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS: DIAMO	ND TRANSPORT			
		<del></del>		
			TIME (A	M/PM)
OPER	RATION AND LOCATION		BEGINNING	ENDING
SOUTH ACCESS ROAD			7:00 AM	4:15 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	144 YD3 STABILIZING LIMEROCK
FOREMAN	11	10	324 YD3 FDOT APPROVED LIMEROCK
SKILLED	2	10	
TRUCK DRIVERS	5	8	
COMMON			
TRAINEE			
GEOTECHNICAL TECH	2	1	

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Т	1	BULLDOZER		SURVEYING EQUIPMEN			
	1	FRONT END LOADER	1	GPS BASE STATION			
	1	GENERATOR		RTK RÖVER			
		PUMP		TOTAL STATION	,		
	1	ROLLER, STEEL WHEEL	,	ENGINEER'S LEVEL			
		TRACTOR, SKID STEER		•			
Ε	5	TRUCK, DUMP					
Г	2	TRUCK, PICKUP					
		TRUCK, WATER			_		
		TRUCK, FUEL					
	1	TRACKHOE					

	CONTR	ACT QUANTITY INC	REASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/26/2010	MONDAY	NO: 22 OF 210
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	94 HIGH <u>78</u>	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO:	
	NONE SLIGHT ND SPEED: MF	STRONG PH WIND DIRECTION:		
1			SHOWERS END: 4:00 PM END:	3 INCHES
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	_EXCELLENTGOOD	XFAIR	POOR	BAD
DURATION OF [ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY X WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
SOUTH ACCESS ROAD		X		7,22 97,
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CONVEYANCE-4		·	<del></del>	
PONDING-2				
SILT FENCE				
VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/26/2010	MONDAY	NO: 22 OF 210

PROJECT INSPECTOR: MIKE WIMER	DATE: 07/26/10	HOURS AT JOB SITE FROM 6:30 TO 4:30	TOTAL HOURS

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# CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION QUALITY ASSURANCE PROJECT LOG ITB 040-10

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IN.	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM		Arrived on-site at 6:30 AM and sent an E-Mail to Steve Dixon, Casey Stephens and Dominique Bramlett, SUBJECT: Daily Construction Reports for July 19 thru July 25, 2010.	Noted
7:00 AM	3:30 PM	Citrus County's Road Maintenance arrived on-site to begin construction on the loop road around William's Construction.	Noted
7:10 AM	10:30 AM	Diamond Transport begins hauling stablizer limerock from the mine in Sumterville, Fl.	Noted
10:00 AM	11:10 AM	PSI arrives on-site to perform density testing on the stabilizer limerock on the access road. Four tests were taken using a assumed proctor value of 118. Based off this assumed value all 4 test exceeded the 95% modified density requirements.	Noted
12:15 PM	12:20 PM	Casey Stephens gave a verbal approval to have Comanco paved the access road. Casey will end out an E-Mail this afternoon to confirm this.	Notify Dominique Bramlett and Bill Newman.
2:10 PM	4:00 PM	Heavy rain started to fall (3" according to News Channel 8)	Noted
	4:20 PM	Comanco departs the area at 4:20 PM.	Noted
	4:30 PM	Departed the site at 4:30 PM	Noted



	DESC	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/27/2010	TUESDAY	NO: 23 OF 210
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	VIRONMENTAL CONST	RUCTION CORPORATION		
SUBCONTRACTORS: DIAMO	ND TRANSPORT			
			TIME (	AM/PM)
物語   古述という   Time OPEI	RATION AND LOCATION		BEGINNING	ENDING
SOUTH ACCESS ROAD			7:00 AM	5:30 PM
		<del></del>		•
PERSONNEL	HOURS		ERIAI S RECEIVED	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10.5	450 YD3 FDOT APPROVED LIMEROCK
FOREMAN	1	10.5	
SKILLED	2	10.5	
TRUCK DRIVERS	9	8	
COMMON			
TRAINEE			
GEOTECHNICAL TECH	2	. 1	

A	BULLDOZER	A	EQUIPMENT (A	Α .		Α.	
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<u> </u>	FRONT END LOADER	ı	GPS BASE STATION	_			<del></del>
1	GENERATOR		RTK ROVER				
	PUMP		TOTAL STATION				
1	ROLLER, STEEL WHEEL		ENGINEER'S LEVEL				
	TRACTOR, SKID STEER				 		
9	TRUCK, DUMP					1	
2	TRUCK, PICKUP						
	TRUCK, WATER					1	
	TRUCK, FUEL				*	$\top$	
1	TRACKHOE						

<b>美国基本公司的</b>	CONTR	RACT QUANTITY INC	REASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
1			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	7/27/2010	TUESDAY	NO: 23 OF 210
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	96 HIGH 78	LOW TEMPER	RATURE RESTRICTION N	
	X NONE SLIGHT IND SPEED: MF	STRONG PH WIND DIRECTION:		
			SHOWERS END: 4:00 PM END:	3 INCHES
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	THER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED M THAN 50% OF V	
SOUTH ACCESS ROAD	X			
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PVC-6 IN				
PVC-2 IN PVC-EAST				
GATE VALVE				
WATE TABLE				
· -			——	
VISITORS: DOMINIQUE BRA	MLETT, SCS ENGINEERS			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/27/2010	TUESDAY	NO: 23 OF 210

GENERAL COMMENTS: See CQA Da	ily Log Sheet for today's activities	<b>3.</b>	
PROJECT INSPECTOR: MIKE WIMER	DATE: 07/27/10	HOURS AT JOB SITE FROM 6:30 TO 5:30	TOTAL HOURS 11

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# CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION QUALITY ASSURANCE PROJECT LOG ITB 040-10

Til	ИE		
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM		Arrived on-site at 6:30 AM and attended Comanco's Safety Briefing.	Noted
8:15 AM	9:50 AM	Comanco uncovers a busted 6 inch PVC pipe at the Main Access Drive	Notify Prime DeVaughn of the landfill.
9:50 AM	10:10 AM	After testing the leachate Collection System, the line appears to be abandon.	Noted
10:15 AM	3:40 PM	Dominique Bramlett arrives on-site.	Noted
1:00 PM	1:35 PM	PSI Field Technician arrived on-site and took 4 density test.	Noted
3:10 PM	3:30 PM	Universal Sciences arrived on-site for soil density testing.	Noted
	5:30 PM	Comanco departed the site.	Noted
	5:35 PM	Departed the site at 5:35 PM	Noted



	DESCR	IPTION OF WORK		a
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 7/28/2010	DAY OF WEEK: WEDNESDAY	CONTRACT DAY NO: 24 OF 210
	CONTRAC	CTOR INFORMATION	e de la fighte de la companya de la companya de la companya de la companya de la companya de la companya de la La companya de la co	La de la Sea de la Celebra
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		, _,,,
SUBCONTRACTORS: DIAMO	ND TRANSPORT			
			·	
				M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
SOUTH ACCESS ROAD			7:00 AM	4:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	9.5	252 YD3 FDOT APPROVED LIMEROCK
FOREMAN	1	9.5	
SKILLED	2	9.5	
TRUCK DRIVERS	5	9.5	
SURVEYOR	3	3.5	
TRAINEE			
GEOTECHNICAL TECH	2	11	

A		A	EQUIPMENT (	ACTI A	VE/IDLE)	A	
1	BULLDOZER		SURVEYING EQUIPMEN				
1	FRONT END LOADER	1	GPS BASE STATION				
1	GENERATOR	2	RTK ROVER				
	PUMP		TOTAL STATION				
1	ROLLER, STEEL WHEEL		ENGINEER'S LEVEL				
	TRACTOR, SKID STEER						
5	TRUCK, DUMP						
2	TRUCK, PICKUP						
	TRUCK, WATER						
	TRUCK, FUEL						
1	TRACKHOE	-					

	CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
			1819-1819-18				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	N ITB 040-10	7/28/2010	WEDNESDAY	NO: 24 OF 210
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	95 HIGH 79	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO:	
WIND:	XNONE SLIGHT	STRONG PH WIND DIRECTION:		
RAIN:			SHOWERS END: 3:45 PM END:	0.13 INCHES
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	XFAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY XWET	EXTREMELY WE	т	
	EFFECTS OF WEAT	THER ON MAJOR WORK I	TEMS	
MAJOR AND/OR		EFFECTED LESS THAN		
CONTROLLING WORK ITEM SOUTH ACCESS ROAD	1S DAY	50% OF WORK DAY	THAN 50% OF WC	ORK ALL DAY
300 III AOOEGG HOAD	اسا		Ш	
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NUMBER OF PHOTO		TO ID NUMBERS		
BOXED IN	Pho	TO ID NOIMBERS		
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VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/28/2010	WEDNESDAY	NO: 24 OF 210

GENERAL COMMENTS: See (	CQA Daily Log Sheet for today's act	tivities.	
			٠
			•
			TOTAL 1:2::
PROJECT INSPECTOR:	DATE: 07/28/10	HOURS AT JOB SITE FROM 6:30 TO 4:	TOTAL HOURS 30 10



# CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION QUALITY ASSURANCE PROJECT LOG ITB 040-10

TII	ИE		
in	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM		Arrived on-site at 6:30 AM and attended Comanco Safety Briefing.	Noted
7:00 AM	2:00 PM	5 trucks from Diamond Transport arrived on-site hauling FDOT approved limerock.	Noted
7:45 AM	12:00 PM	Comanco Surveyor was on-site to stake out the location of the anchor trench of the phase II liner.	Noted
2:00 PM	4:30 PM	Project Surveyor, Berglund Constructions Services arrived on-site to collect record drawings data points for the back access drive.	Noted
2:45 PM	5:00 PM	Heavy rains begins to fall on-site (0.13 inches) begins to fall on-site. All work was halted.	Noted
	4:30 PM	Comanco departed the site.	Noted
	4:30 PM	Departed the site at 4:30 PM.	Noted



	DESC	RIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 7/29/2010	DAY OF WEEK: THURSDAY	CONTRACT DAY NO: 25 OF 210
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTI	RUCTION CORPORATION		
SUBCONTRACTORS: DIAMO	ND TRANSPORT			
<del></del>				
			<u>-</u>	
			TIME (A	M/PM)
OPE	RATION AND LOCATION		BEGINNING	ENDING
SOUTH ACCESS ROAD			7:00 AM	3:15 PM
		· ··		•

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	8.25	252 YD3 OF FDOT APPROVED LIMEROCK
FOREMAN	1	8.25	
SKILLED	2	8.25	
TRUCK DRIVERS	5	5	
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

1	BULLDOZER		SURVEYING EQUIPMEN		
1	FRONT END LOADER	. 1	GPS BASE STATION		
1	GENERATOR		RTK ROVER		
	PUMP		TOTAL STATION		
1	ROLLER, STEEL WHEEL		ENGINEER'S LEVEL		
	TRACTOR, SKID STEER				
5	TRUCK, DUMP				
2	TRUCK, PICKUP				
	TRUCK, WATER				
	TRUCK, FUEL				
1	TRACKHOE				

CONTRACT QUANTITY INCREASES TODAY								
ITEM	QUANTITY	REMARKS AND CALCULATIONS						
_								



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/29/2010	THURSDAY	NO: 25 OF 210
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	97 HIGH77	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	X NONE SLIGHT IND SPEED: MF	STRONG PH WIND DIRECTION:		
			SHOWERS END: 3:20 PM END:	0.09 INCHES
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	XFAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY XWET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
SOUTH ACCESS ROAD		X		
•				
NUMBER OF PHOTO		O INFORMATION:		
	РНО	TO ID NUMBERS		
•	<u> </u>			
VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/29/2010	THURSDAY	NO: 25 OF 210

GENERAL COMMENTS: See CQA 	Daily Log Sheet for today's activ	rities.	
		•	
		· · · · · · · · · · · · · · · · · · ·	
PROJECT INSPECTOR: MIKE WIMER	DATE: 07/29/10	HOURS AT JOB SITE FROM 6:30 TO 3:45	TOTAL HOURS 9.25



# CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION QUALITY ASSURANCE PROJECT LOG ITB 040-10

TII	TIME									
IN	Ουτ	DESCRIPTION OF EVENT	ACTION TAKEN							
6:30 AM	7:30 AM	Arrived on-site at 6:30 AM and survey the damage from the previous day storm. It should be noted that washouts occurred on the North side of the access road.	Noted							
7:30 AM	9:45 AM	Departed the site to attend the CR-486 Progress Meeting.	Noted							
10:00 AM	10:30 AM	Attended the weekly progress meeting for the Phase III Expansion. In attendance from Comanco was Troy Watral, Justin Endsley, and Bill Newman. Representing Citrus County was Casey Stephens and Mike Wimer. The meeting was conducted by Dominique Bramlett, SCS Engineers. A listing of the topics discuss is contain in agenda # 3	Noted							
7:15 AM	2:00 PM	Diamond Transport hauled in 14 loads (252 yd³) of FDOT approved limerock to the site.	Noted							
3:00 PM	3:20 PM	Heavy rains arrived on-site (0.09 inches)	Noted							
	3:15 PM	Comanco departed the site.	Noted							
	3:45 PM	Departed the site at 3:45 PM	Noted							



	DES	CRIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 7/30/2010	DAY OF WEEK: FRIDAY	CONTRACT DAY NO: 26 OF 210
	CONTR	RACTOR INFORMATION		
CONTRACTOR: COMANCO EN	VVIRONMENTAL CONS	TRUCTION CORPORATION	, ,	
SUBCONTRACTORS: DIAMO	OND TRANSPORT			
			· · · · · · · · · · · · · · · · · · ·	
		·		
			State of TIME	AM/PM)
OPEI	RATION AND LOCATIO	N.	TIME (	AM/PM) ENDING
OPEI CONSTRUCTION LAYDOWN YA	A second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the	N.		
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PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	7.25	
FOREMAN	1	7.25	
SKILLED	2	7.25	
TRUCK DRIVERS	5	5	
COMMON			
TRAINEE			
GEOTECHNICAL TECH	2	1	

A		Α	EQUIPMENT (	ACTIVE A	/IDLE)		A	
1	BULLDOZER		SURVEYING EQUIPMEN			T		<u> </u>
1	FRONT END LOADER	1	GPS BASE STATION					
1	GENERATOR		RTK ROVER					
	PUMP		TOTAL STATION					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1	ROLLER, STEEL WHEEL		ENGINEER'S LEVEL					-
	TRACTOR, SKID STEER							
2	TRUCK, DUMP							
2	TRUCK, PICKUP							
	TRUCK, WATER							
	TRUCK, FUEL							
1	TRACKHOE				-			

	CONTI	RACT QUANTITY INC	REASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
		. "	
		·	** · · · · · · · · · · · · · · · · · ·



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/30/2010	FRIDAY	NO: 26 OF 210
WEATHER CONDITIONS: [	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	96 HIGH 78	LOW TEMPER	RATURE RESTRICTION NO	
WIND: [	X NONE SLIGHT IND SPEED: MP	STRONG PH WIND DIRECTION:		
1		TART:	SHOWERS END:	
RAIN DURATION: [	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF [ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	DRY XWET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI	
CONSTRUCTION LAYDOWN AREA	X			
	_ 🗆			
NUMBER OF PHOTOS	TAKEN	O INFORMATION:		
		TO ID NUMBERS		
UNIVERSAL				
MINE				
PSI	<u> </u>			
		<del></del>		
VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/30/2010	FRIDAY	NO: 26 OF 210

GENERAL COMMENTS: See CQ	A Daily Log Sheet for today's activ	ities.	
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS



# CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION QUALITY ASSURANCE PROJECT LOG ITB 040-10

TI	ИЕ		
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM		Arrived on-site at 6:30 AM and atttended Comanco Safety Briefing.	Noted
7:15 AM		Two trucks from Diamond Transport arrived on-site.	Noted
8:00 AM		Comanco's Trackhoe began leaking oil and had to be parked.	Noted
8:15 AM	12:00 PM	Comanco begins hauling soil to the laydown area.	Noted
8:30 AM	9:00 AM	Universal Engineering arrives on-site for denisty testing. Three density tests were taken and 2 soil samples were taken.	Noted
9:40 AM	10:30 AM	PSI arrived on-site for density testing. A total of five test were taken. PSI also collected two more soil samples on-site and a sand sample from RIP C&D Landfill located on Grover Cleveland Blvd.	Noted
	2:15 PM	Comanco departed the site at 2:15 PM.	Noted
3:00 PM	3:10 PM	Received the following E-Mails concerning the Phase III Expansion: From: Dominique Bramlett, SUBJECT: Citrus County Landfill RFI # 1 dated 7/30/10 10:49 AM From: Dominique Bramlett, SUBJECT: RE: Citrus County-Access Road dated 7/30/10 11:06 AM From: Troy Watral, SUBJECT: RE: Citrus County-Access Road dated 7/30/10 12:05 PM From: Dominique Bramlett, SUBJECT: RE: Change Request # 4 Access Road Ancillary Work dated 7/30/10 4:56 PM	Noted
	3:15 PM	Departed the site at 3:15 PM.	Noted



CONTRACT NAME:	12:	DI	ESCRIPTION C	OF WORK		A 4 4 1
SWM PHASE 3 EXPAN	NOIS	ITB 040-10	7	7/31/2010	SATURDAY	CONTRACT DAY NO: 27 OF 210
	<u> </u>	CON	TRACTOR INF	ORMATION		
CONTRACTOR: COMA	NCO ENVI	RONMENTAL CO	NSTRUCTION	CORPORATIO	DN	
SUBCONTRACTORS:						
				_	L	Talla Larin Till ( )
	ODEDAT	PON AND LOCAT	TANIA MARINE	rem basekarilisa aleh	TIME BEGINNING	
	UPENAI	ION AND LOCAT	ION ELECTRICAL		BEGINNING	FlyDlivG
<del> </del>						
			<del></del> -		<del>-</del>	-
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PERSONNEL	NO	HOURS			TEDIALO DECENTED	
THE REPORT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE		WORKED	3.20元素223	IVI A	ATERIALS RECEIVED	
SUPERVISO						
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FRONT END LOA	ADER	GPS BASE ST.			-	
GENERATOR		RTK ROVER				
PUMP		TOTAL STATIC	ON			
ROLLER, STEEL		ENGINEER'S L	EVEL			
TRACTOR, SKID	STEER					
TRUCK, DUMP		<u> </u>				
TRUCK, PICKUP						
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TRUCK, FUEL						·-
TRACKHOE				1		
	eral Kalak jaar	CONTRACT	OLIANTITVIN	ODEACEC TO	im a wait demonstrating the complete state	an an Named Company (September 1997)
ITEM NO.	ITEN		QUANTITY		DAY REMARKS AND CALC	
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CONTRACT NAME:	CONTRAC		DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITE	040-10	7/31/201	0	SATURDAY	NO: 27 OF 210
WEATHER CONDITIONS:	CLEAR	XPARTL	Y CLOUDY	ПНЕА	VY CLOUDS	FOG
TEMPERATURE:	98HI	GH <u>75</u>	LOW	TEMPER	ATURE RESTRICTI SPECIFICATION I	
WIND:	X NONE IND SPEED:	SLIGHT MP	STRONI H WIND DIR			
RAIN:	NONE 1ST RAINFA 2ND RAINFA		XHEAVY ART:		SHOWERS END:	1.89 INCHES
RAIN DURATION:	X 0-2 HRS	2-4 HRS	4-6 HRS	;	ALL DAY	
WORKING CONDITIONS:	EXCELLE	NTX GOOD	FAIR		POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	ACCEPTA ALL DAY		ORE THAN 50% F WORK DAY		ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY	XWET	EXTREM	NELY WE	Т	
	EFFE	CTS OF WEAT	HER ON MAJOR	WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		FECT ALL DAY	EFFECTED LES		EFFECTED N THAN 50% OF	
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NUMBER OF PHOTO	S IAKEN:	<u>0</u>	O ID NUMBERS			
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VISITORS: NONE						<del>.</del>



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/31/2010	SATURDAY	NO: 27 OF 210

GENERAL COMMENTS: See CC	A Daily Log Sheet for today's act	ivities.	

MIKE WIMER

07/31/10

FROM 7:00 TO 7:00



# CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION QUALITY ASSURANCE PROJECT LOG ITB 040-10

TI	VIE				
in	OUT	DESCRIPTION OF EVENT	ACTION TAKEN		
7:00 AM	7:00 AM	No work was planned or performed.	Noted		



		DE	ESCRIPTIC	ON OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSIO	COV	NTRACT NO:	DAT		DAY OF WEEK: SUNDAY	CONTRACT DAY NO: 28 OF 210
CONTRACTOR: COMANCO						
SUBCONTRACTORS:						
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	•					
					Signal Report TIME	/ARA/DRAY
	PERATIC	ON AND LOCAT	ION			
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TRAINEE		<u> </u>	<u> </u>			
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		EQI	UIPMENT (	(ACTIVE/IDLE)		
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BULLDOZER		SURVEYING E				
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GENERATOR		RTK ROVER				
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TRUCK, DUMP		+		<del>                                     </del>		
TRUCK, PICKUP	+	+		<del>  </del>	<del></del>	
TRUCK, WATER	<del></del>	+	<del></del>	<del>                                     </del>	<del>-       -                              </del>	
TRUCK, FUEL	+	+		<del>  </del>		
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/1/2010	SUNDAY	NO: 28 OF 210
WEATHER CONDITIONS:	CLEAR X PARTL	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	95 HIGH 75	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	X NONE SLIGHT IND SPEED: MP	STRONG WIND DIRECTION:		
			SHOWERS END: 4:00 PM END:	0.12 INCHES
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	T	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
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NUMBER OF PHOTO	rik same diterang didakai salah di disebah di sebiah	O INFORMATION:		
	РНОТ	TO ID NUMBERS		
<b>L</b>		L		
VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/1/2010	SUNDAY	NO: 28 OF 210



# CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION QUALITY ASSURANCE PROJECT LOG ITB 040-10

TII	TIME							
. IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN					
7:00 AM	7:00 AM	No work was planned or performed.	Noted					
	_							



				CRIPTION OF WORK		<u> </u>
	CONTRACT NAME: SWM PHASE 3 EXPANSION		CONTRACT NO:   DATE:		DAY OF WEEK: MONDAY	
7¥37					- · · · · · · · · · · · · · · · · · · ·	
	TRACTOR: COMANCO					
SUBC	CONTRACTORS:					
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- 5		PERATI	ON AND LOCATION	<b>N</b> Property of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of		
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	TRUCK DRIVERS					
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A	BULLDOZER FRONT END LOADE GENERATOR		SURVEYING EQU GPS BASE STATI RTK ROVER	JIPMEN ION	<b>A</b>	
X X X	BULLDOZER FRONT END LOADE GENERATOR PUMP	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION	JIPMEN ION	A	
X X X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH	R X	SURVEYING EQU GPS BASE STATI RTK ROVER	JIPMEN ION	A	
X X X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID ST	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION	JIPMEN ION	A	
X X X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION	JIPMEN ION	A	
X X X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION	JIPMEN ION	A	
X X X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION	JIPMEN ION	A	
X X X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION	JIPMEN ION	<b>A</b>	
X   X   X   X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION	JIPMEN ION	A	
X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION ENGINEER'S LEV	JIPMEN ION /EL	TODAY	
X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION ENGINEER'S LEV	JIPMEN ION /EL		
X   X   X   X   X     2     X     X     X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION ENGINEER'S LEV	JIPMEN ION /EL  UANTITY INCREASES	TODAY	
X   X   X   X   X     2     X     X     X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION ENGINEER'S LEV	JIPMEN ION /EL  UANTITY INCREASES	TODAY	
X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION ENGINEER'S LEV	JIPMEN ION /EL  UANTITY INCREASES	TODAY	
X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION ENGINEER'S LEV	JIPMEN ION /EL  UANTITY INCREASES	TODAY	
X   X   X   X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION ENGINEER'S LEV	JIPMEN ION /EL  UANTITY INCREASES	TODAY	
X   X   X   X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION ENGINEER'S LEV	JIPMEN ION /EL  UANTITY INCREASES	TODAY	
X   X   X   X	BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WH TRACTOR, SKID STI TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R X	SURVEYING EQU GPS BASE STATI RTK ROVER TOTAL STATION ENGINEER'S LEV	JIPMEN ION /EL  UANTITY INCREASES	TODAY	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/2/2010	MONDAY	NO: 29 OF 217
WEATHER CONDITIONS:	CLEAR PARTI	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:			RATURE RESTRICTION SPECIFICATION NO:	
	X]NONE	STRONG  WIND DIRECTION:	CAL	-M
ī			SHOWERS END:	0.14 INCHES
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WC	
Phase III Cell Expansion	X			
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NUMBER OF PHOTOS		O INFORMATION:		
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EXCAVATION	_			
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<u>L </u>				
VISITORS: None				
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/2/2010	MONDAY	NO: 29 OF 217

PROJECT INSPECTOR:	DATE: 08/02/10	HOURS AT JOB SITE	
ENERAL COMMENTS: See CC	any zeg encerno iesay e acc		



# CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION QUALITY ASSURANCE PROJECT LOG ITB 040-10

TIME						
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN			
6:30 AM		Arrived on-site at 6:30 AM and sent an E-Mail to Steve Dixon, Casey Stephens, and Dominique Breamlett, SUBJECT: Daily Construction Reorts for the week of July 26 thru Aug 1, 2010	Noted			
7:30 AM		Comanco started building a haul road with the Phase III cell. In addition, sandbag removal is also taking place.	Noted			
10:45 AM	10:50 AM	Casey Stephens authorized Comanco to build a shoulder on the South Access Road	Noted			
	4:30 PM	Comanco departed the site at 4:30 PM	Noted			
4:30 PM		Received the following E-Mails concerning the Phase III Expansion Construction: FROM: Dominique Bramlett, SUBJECT: Citrus County Phase 3 Expansion-Change Order No 4 dated 8/2/2010 3:53 PM FROM: Dominique Bramlett, SUBJECT: 313219-03A GEOGRID Sample Warranties dated 8/2/2010 4:14 PM FROM: Dominique Bramlett, SUBJECT: 313219-05A GEOGRID Manufactuer material Info and Quality Control Certificates (Biaxial GEOGRID) dated 8/2/2010 4:35 PM FROM: Dominique Bramlett, SUBJECT: 313219-04A dated 8/2/2010 4:35 PM	Noted			
	4:35 PM	Departed the site at 4:35 PM	Noted			



	DES	CRIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/3/2010	TUESDAY	NO: 30 OF 215
	CONTR	RACTOR INFORMATION	建设 建松皂石的 50%	
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONS	TRUCTION CORPORATION		
SUBCONTRACTORS: DIAMO	ND TRANSPORT			
· · · ·				
			TIME (	AM/PM)
OPER	RATION AND LOCATIO	NESSEE	BEGINNING	ENDING
EMBANKMENT FOR THE SOUT	H ACCESS DRIVE		7:00 AM	4:30 PM
<b>EXCAVATION OF UNSUITABLE</b>	MATERIALS (CUT)		7:00 AM	5:00 PM
			·	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10.25	2 ROLLS OF HDPE LINER FOR ACCESS ROAD SWALE
FOREMAN	1	10.25	4 EA 24" ADS PIPE FOR STORMWATER CONTROL
SKILLED	3	10.25	
TRUCK DRIVERS	3	9.5	
COMMON			
TRAINEE			
GEOTECHNICAL TECH	·		

A		Α	EQUIPMENT (A SURVEYING EQUIPMENT	A		A.	
Х	BULLDOZER		SURVEYING EQUIPMEN	ľ			
Χ	FRONT END LOADER	Х	GPS BASE STATION				
Χ	GENERATOR		RTK ROVER				
	PUMP		TOTAL STATION				
Χ	ROLLER, STEEL WHEEL		ENGINEER'S LEVEL		-		
	TRACTOR, SKID STEER						
3	TRUCK, DUMP						
2	TRUCK, PICKUP						
	TRUCK, WATER					1	
	TRUCK, FUEL						
X	TRACKHOE						

CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
	<del>-</del> ·						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/3/2010	TUESDAY	NO: 30 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	97 HIGH 79	LOW TEMPER	RATURE RESTRICTION NO	1
	NONE SLIGHT ID SPEED: MP	STRONG "H WIND DIRECTION:		
15			SHOWERS END: END:	
RAIN DURATION: X	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	:Τ	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
EMBANKMENT FOR SOUTH ACCESS DRIVE	X			
EXCAVATION OF UNSUITABLE MATERIALS	$\boxtimes$			
NUMBER OF PHOTOS	MINE VIENE WE A CONTROL OF THE STATE	O INFORMATION:		TETATOR TO SEE THE SEASON COMMENTS OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SEASON OF THE SE
	PHOT	O ID NUMBERS		
STRIPPINGS	HDPE LINER			
EMBANKMENT				
DIAMOND EXCAVATING			+	
SANDBAGS				
BENCH				
BERM EMBANKMENT-2		<del></del>		
EMBANKMENT-3				
GFFR				
VISITORS: None				



	CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
ſ	SWM PHASE 3 EXPANSION	ITB 040-10	8/3/2010	TUESDAY	NO: 30 OF 215

GENERAL COMMENTS: See CQ/	A Daily Log Sheet for today's acti	VITIES.	
PROJECT INSPECTOR: MIKE WIMER	DATE: 08/03/10	HOURS AT JOB SITE FROM 6:30 TO 5:15	TOTAL HOURS 10.75



# CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION QUALITY ASSURANCE PROJECT LOG ITB 040-10

TI	VIE		
IN _	.OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM		Arrived on-site and GPS the South Access Drive (Road Base) Starting Point: 250, Ending point: 287.	Noted
7:30 AM	4:30 PM	Diamond Transport had three trucks on-site and started to haul fill material to construct the shoulder of the access drive.	Noted
9:20 AM	11:00 AM	Comanco Surveyor, Chase, arrives on-site to upload the GPS model to dozer to construct the embankment.	Noted
10:00 AM	12:00 PM	Dominique Bramlett arrived on-site.	Noted
10:15 AM	10:20 AM	Casey Stephens notify Dominique Bramlett and myself that Comanco would sod the road embankment.	Informed Bill Newman
:	4:30 PM	Comanco shuts down the truck hauling the fill materials.  Approximately 936 yd³ of strippings from the well site and 1,152 yd³ of materials was excavated from the Phase III cell.	Noted
4:40 PM	5:10 PM	Two rolls of 60-mil HDPE Liner and 4 ea 24" ADS pipe was delivered to the site.	Noted
	5:15 PM	Departed the site at 5:15 PM.	Noted



	DESCI	RIPTION OF WORK		entrakti eta eta eta eta eta eta eta eta eta eta
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/4/2010	WEDNESDAY	NO: 31 OF 215
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	NVIRONMENTAL CONSTI	RUCTION CORPORATION		
SUBCONTRACTORS: DIAMO	OND TRANSPORT			
LAKESIDE SOD				
			TIME (A	M/PM)
OPE	RATION AND LOCATION		TIME (A	M/PM) ENDING
	the grade of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			T FURNIS
OPEI EMBANKMENT FOR SOUTH AC EXCAVATION OF UNSUITABLE	CESS ROAD		BEGINNING	ENDING
EMBANKMENT FOR SOUTH AC	CESS ROAD		BEGINNING 7:00 AM	ENDING 4:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	9.75	SOD
FOREMAN	1	9.75	
SKILLED	3	9.75	
TRUCK DRIVERS	3	9.75	
TRUCK DRIVERS (SEMI)	2	3	
TRAINEE			
GEOTECHNICAL TECH			

Α			EQUIPMENT (	ACTIVE/IDLE) A	Α	
	BULLDOZER		SURVEYING EQUIPMEN			
Х	FRONT END LOADER	Х	GPS BASE STATION			
Х	GENERATOR		RTK ROVER			
	PUMP		TOTAL STATION			
Х	ROLLER, STEEL WHEEL		ENGINEER'S LEVEL			
	TRACTOR, SKID STEER					
3	TRUCK, DUMP					
2	TRUCK, PICKUP					
	TRUCK, WATER					
	TRUCK, FUEL					
Х	TRACKHOE					

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
		<u> </u>				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	8/4/2010	WEDNESDAY	NO: 31 OF 215
WEATHER CONDITIONS:	XCLEAR □PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	95 HIGH 79	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO:	
	X NONE SLIGHT	STRONG WIND DIRECTION:	JI LOII IOATION NO.	
			SHOWERS END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
EMBANKMENT FOR ACCES ROAD	S X			
EXCAVATION FOR UNSUITABLE SOIL	×			
NUMBER OF PHOTO	"CSEL-19-1-1-ESENE-1 Destrock-ball sont ELECT SET THE LEAD CHIEF ESE	O INFORMATION:		
NOMBER OF TROTO				
HAUL ROAD	РНО	TO ID NUMBERS		<del></del> 1
BENCH				
LOAD				
SOD DRIVER BENCH-2				
LOADS				
EMBANKMENT				
SOD				
L				
VISITORS: Ken Frink, Directo	r of Public Works, John Thru	mston, Commissioner Distr	ict 4	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/4/2010	WEDNESDAY	NO: 31 OF 215

GENERAL COMMENTS: See CO	QA Daily Log Sheet for today's activitie	es.	
		•	
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MILE WINDER	00/04/10	FROM 6:20 TO 4:45	10.05



711	VIE.		
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM		Arrived on-site at 6:30 AM and attended Comanco Safety Meeting	Noted
7:00 AM		Eqiptment operators and Truck Drivers deploys to the work site. Activities today is to continue building the embankment on the access road.	Noted
12:30 PM	3:30 PM	North Lake Sod begins stockpiling sod on-site.	Noted
2:00 PM	2:30 PM	Public Works Director, Ken Frink, escorted District 4 Commissioner, John Thrumston, on-site to tour the ongoing construction activities.	Noted
3:30 PM		Received the following E-Mails concerning the Phase III Expansion Construction: From: Dominique Bramlett, SUBJECT: RE: Phase 3 Cell Configuration, dated 8/4/10 9:19 AM From: Casey Stephens, SUBJECT: RE: Phase 3 Cell Configuration, dated 8/4/10 11:07 AM From: Ed Hilton, SUBJECT: RE: Phase 3 Cell Configuration, dated 8/4/10 11:33 AM From: Dominique Bramlett, SUBJECT: Progress Meeting No. 4 Agenda and Sign In, dated 8/4/10 1:15 PM From: Dominique Bramlett, SUBJECT: Progress Meeting No. 4 Agenda and Sign In, dated 8/4/10 1:16 PM From: Dominique Bramlett, SUBJECT: Rev Progress Meeting Minutes # 3, dated 8/4/10 1:32 PM From: Dominique Bramlett, SUBJECT: RE 013010-03B Health and Safety Plan, dated 8/4/10 2:51 PM From: Dominique Bramlett, SUBJECT: RE Citrus County GEOGRID dated, 8/4/10 3:06 PM From: Dominique Bramlett, SUBJECT: 313219-04A GEOGRID Resin Info and Quality Control Certificates dated 8/4/10 3:38 PM From: Nick Bridges, SUBJECT: RE: Citrus County GEOGRID dated 8/4/10 3:41 PM From Dominique Bramlett, SUBJECT: Citrus County GEOGRID dated 8/4/10 3:41 PM	Noted
	4:15 PM	Comanco shuts downs the three trucks hauling out materials from the Phase III cell. A total of 101 loads of materials was hauled out of the cell.	Noted
	5:00 PM	Departed the site at 5:00 PM	Noted



			CRIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSIC	N	NTRACT NO: ITB 040-10	8/5/2010	DAY OF WEEK: THURSDAY	CONTRACT DAY NO: 32 OF 215
		CONTE	ACTOR INFORMATION		
CONTRACTOR: COMANCO	ENVIR	ONMENTAL CONS	TRUCTION CORPORATION	ON	<u> </u>
SUBCONTRACTORS: NO					•
		<del>.</del>			
<del>, _</del> -					
					<del></del>
					(AM/PM)
		ON AND LOCATIO		BEGINNING	
PLACEMENT OF HDPE LINE			AD	7:00 AM	6:00 PM
PLACEMENT OF SOD ON SO	A HTUC	CCESS ROAD		7:00 AM	5:30 PM
					.,
PERSONNEL	NO	HOURS WORKED	MZ	ATERIALS RECEIVED	
SUPERVISOR	1	11			
FOREMAN	1	11			
SKILLED	3	11			
SOD INSTALLERS	4	10.5			
COMMON					
TRAINEE					
GEOTECHNICAL TECH					
		EQUII	PMENT (ACTIVE/IDLE)  A		
A DINI DOZED	A			A	
X BULLDOZER	<del>_                                    </del>	SURVEYING EQ			
X FRONT END LOADER	R X	G. C D/ (C D 1/ ()	ION		
X GENERATOR	$+\!\!\!-$	RTK ROVER	<del></del>		
Y ROLLER, STEEL WH		TOTAL STATION			
TRACTOR, SKID STE		ENGINEER'S LEV	<u> </u>		
TRUCK, DUMP	.ER	<del> </del>	-		
2 TRUCK, PICKUP		<del> </del>	<del></del>		
TRUCK, WATER	+	<del> </del>			
TRUCK, FUEL	+-	<del> </del>	<del></del>	<del></del>	
X TRACKHOE	+-	<del> </del>	<del></del>		
X ITTAORTOL					
:		CONTRACT C	UANTITY INCREASES TO	IDAVIEROSO A LAVIES	awanya Maren Rusya ang sang
	ITEM			REMARKS AND CALC	
		_ · · · ·	ANTITI	HEIMANKS AND CALC.	JLATIONS
ITEM NO.					
	11 - 141				
	TILIVI				



CONTRACT NAME:	CONTRA		DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	1 ITE	3 040-10	8/5/2010	0	THURSDAY	NO: 32 OF 215
WEATHER CONDITIONS:	X CLEAR	PARTL	Y CLOUDY	ПНЕА	VY CLOUDS	FOG
TEMPERATURE:	<u>92</u> H	IGH <u>78</u>	LOW	TEMPER	ATURE RESTRICTION NO	
WIND: V	X NONE IND SPEED:	SLIGHT 0 MP	STRONG H WIND DIR		c	ALM
RAIN:	□NONE 1ST RAINFA 2ND RAINFA		ART: HEAVY	_	SHOWERS END: END:	0.09 INCHES
RAIN DURATION:	X 0-2 HRS	2-4 HRS	4-6 HRS	; 1	ALL DAY	
WORKING CONDITIONS:	EXCELLE	NTXGOOD	FAIR	1	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	X ACCEPTA ALL DAY		ORE THAN 50% F WORK DAY		ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	XDRY	WET	EXTREM	NELY WE	Т	
	EFFE	CTS OF WEAT	HER ON MAJOR	WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	s	FFECT ALL DAY	EFFECTED LES 50% OF WOR		EFFECTED MO THAN 50% OF V	
PLACEMENT OF HDPE LINE ON SOUTH ACCESS ROAE		X				
PLACEMENT OF SOD ON SOUTH ACCESS ROAD	<del></del>	X				
	_					
<del></del>	_					
NUMBER OF PHOTO	S TAKEN:	PHOTO 2	O INFORMATION			
		РНОТ	O ID NUMBERS			
SOD LINER						
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VISITORS: NONE					·-····	<del></del>



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/5/2010	THURSDAY	NO: 32 OF 215

GENERAL COMMENTS: See CQA Daily Log Sheet for today's activities.

PROJECT INSPECTOR: MIKE WIMER	DATE: 08/05/10	HOURS AT JOB SITE FROM 6:30 TO 6:15	TOTAL HOURS 11.75



TIME					
iN	оит	DESCRIPTION OF EVENT	ACTION TAKEN		
6:30 AM	7:15 AM	Arrived on-site at 6:30 AM.	Noted		
9:30 AM	7:15 AM	Departed the site to attend the progress meeting for CR-486.	Noted		
10:00 AM	11:15 AM	Attended the progress meeting for Phase III Expansion. The meeting was conducted by Dominique Bramlett, (SCS Engineers). In attendance was Casey Stephens and Mike Wimer representing Citrus County. Representing Citrus County was Troy Watral, Justin Endsley, and Bill Newman. For a listing of the topics discuss, see agenda # 4.	Noted		
	11:15 AM	Dominique Bramlett departed the site.	Noted		
4:30 PM		Received the following E-Mails concerning the Phase III Expansion Construction: From: Dominique Bramlett, SUBJECT: 013010-06B SWPPP dated 8/5/10 2:40 PM From Dominque Bramlett, SUBJECT: RE: Citrus County GEOGRID dated 8/15/10 4:27 PM.	Noted		
	6:15 PM	Departed the site at 6:15 PM.	Noted		
		·			



			DES	SCRIPTION	N OF WORK		
	RACT NAME: I PHASE 3 EXPANSION		NTRACT NO:	DATE:		DAY OF WEEK: FRIDAY	CONTRACT DAY NO: 33 OF 215
				RACTOR I	NFORMATION		No see the leaf a
CONT	RACTOR: COMANCO	ENVIRO	ONMENTAL CON				
UBC	ONTRACTORS: NOF	RTH LAP	KESIDE SOD				
						<del></del>	
						Talkaroraan witime	E (AM/PM)
	OP	PERATIO	ON AND LOCATIO	OΝ		BEGINNING	
	LINER ON SOUTH ACC			216 g 19 220	N. S. W. R. P. S. A. A. A. R. R. R. S. S. S. S. S. S. S. S. S. S. S. S. S.	7:00 AM	12:00 PM
	PLACEMENT ON SOUTH					8:30 AM	4:00 PM
						<u> </u>	
	PERSONNEL	NO	HOURS		MAT	TERIALS RECEIVED	
		n Lenfe	WORKED	Martin State of the			
	SUPERVISOR	1	5	<del></del>			
	FOREMAN	1	9.25				
	SKILLED SOD INSTALLERS	3 4	5/9.25				
	COMMON	4	7.50/3.50				
<u> </u>	TRAINEE		+				
GEC	OTECHNICAL TECH		+				
	TEOI II II OAL TEO.						
		H	EQU	IPMENT (A	ACTIVE/IDLE)	Data Market and State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the	
Α		A	LENGTON SHOULE TO AND LAKE BAD		A	Α	
	BULLDOZER		SURVEYING EC	QUIPMEN			
Х	FRONT END LOADER	3 X	GPS BASE STA	TION			
Х	GENERATOR	工	RTK ROVER				
	PUMP		TOTAL STATION				
	ROLLER, STEEL WHE		ENGINEER'S LE	EVEL			
<u> </u>	TRACTOR, SKID STEE	ER	<u> </u>				
Ļ	TRUCK, DUMP	$\dashv$	<u> </u>	<del></del>			<del></del>
	TRUCK, PICKUP	$+\!\!\!-$	<del></del>	$\longrightarrow$			
X	TRUCK, WATER	$+\!\!\!-$	<del>                                     </del>	$\longrightarrow$			
├ _X	TRUCK, FUEL TRACKHOE	+	<del>                                     </del>		<del></del>		
L^_	TRACKHOE						
		V. 1966	CONTRACT	OLIANTITY	INCREASES TOD	ΙΔΥ	
IT	EM NO.	ITEM		QUANTITY		REMARKS AND CALC	IILATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/6/2010	FRIDAY	NO: 33 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTI	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	92 HIGH78	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO:	
	X NONE SLIGHT ND SPEED: MF	STRONG PH WIND DIRECTION:		
			SHOWERS END: END:	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/6/2010	FRIDAY	NO: 33 OF 215

GENERAL COMMENTS: See CC	QA Daily Log Sheet for today's activ	ities.	
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PROJECT INSPECTOR: MIKE WIMER	DATE: 08/06/10	HOURS AT JOB SITE FROM 6:30 TO 4:30	TOTAL HOURS 10



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in.	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM		Arrived on-site at 6:30 AM and attended Comanco Safety Briefing.	Noted
8:30 AM		North Lake Sod arrived on-site.	Noted
8:45 AM	8:50 AM	Pave-rite informed Comanco that the placement of asphalt will take place Thursday, August 12, 2010.	Noted
	12:00 PM	Comanco Superintendent and two operators departed the site.	Noted
	4:00 PM	North Lake Sod departed the site. In addition, Comanco's Foreman and Third Operator also departed the site.	Noted
4:00 PM		Received the following E-Mails concerning Phase III Expansion Construction: From: Nick Bridges, SUBJECT: RE 013010-06B SWPPP dated 8/6/10, 10:35AM From: Dominique Bramlett, SUBJECT: RE:013013-06B SWPPP dated 8/6/10, 10:53 AM From: Nick Bridges, SUBJECT: RE 01310-06B SWPPP, dated 8/6/10, 10:55 AM From: Dominque Bramlett, SUBJECT: Progress Meeting Minutes # 4, dated 8/6/10 2:46 PM From: Dominique Bramlett, SUBJECT: 312000-06A Access Road Testing, dated 8/6/10 2:56 PM From: Dominique Bramlett, SUBJECT: 025615-02A Installer's Qualifications, dated 8/6/10 3:05 PM From: Dominique Bramlett, SUBJECT: 025615-08A GCL Construction QA Manual, dated 8/6/10 3:23 PM	Noted
	4:30 PM	Departed the site at 4:30 PM.	Noted



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CONTRACT NAME: SWM PHASE 3 EX			ITRACT NO: ITB 040-10			DAY OF WEEK: SATURDAY	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/7/2010	SATURDAY	NO: 34 OF 215

GENERAL COMMENTS:	See CQA Daily Log She	et for today's activities.			
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PROJECT INSPECTOR: MIKE WIMER	DATE:	08/07/10	HOURS AT JOB SITE FROM 7:00 TO	7:00	TOTAL HOURS 0
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/8/2010	SUNDAY	NO: 35 OF 215
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	91 HIGH 75	LOW TEMPER	NATURE RESTRICTION SPECIFICATION NO:	
	XNONE SLIGHT IND SPEED: MF			
		ART:	SHOWERS END: END:	0.08 INCHES
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	XDRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
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NUMBER OF FILOTO		TO ID NUMBERS		
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VISITORS: None				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/8/2010	SUNDAY	NO: 35 OF 215

GENERAL COMMENTS: See CO	QA Daily Log Sheet for today's activit	ies.	
PROJECT INSPECTOR: MIKE WIMER	DATE: 08/08/10	HOURS AT JOB SITE FROM 7:00 TO 7:00	TOTAL HOURS 0



TIN	ΛE						
IN.	OUT	DESCRIPTION OF EVENT	ACTION TAKEN				
7:00 AM	7:00 AM	No work was planned or performed.	Noted				
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					OF WORK		
ONTRACT NAME: SWM PHASE 3 EXPANSI			ITRACT NO: ITB 040-10		8/9/2011	DAY OF WEEK: MONDAY	CONTRACT DAY
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	A. W.O.	1,775	HOURS				如言可以問題的教育等
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FOREMAN	1		10.25				
SKILLED	3		10.25				
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001414011						• • •	
COMMON							
TRAINEE							
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TRAINEE GEOTECHNICAL TECH			SURVEYING EC	A UIPMEN	TIVE/IDLE)	<b>A</b>	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	N ITB 040-10	8/9/2011	MONDAY	NO: 36 OF 215
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	91 HIGH 77	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO:	
	XNONE SLIGHT			
RAIN:		TART: 2:30 PM	X SHOWERS END: 3:15 PM END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY XWET	EXTREMELY WE	т	
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VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/9/2011	MONDAY	NO: 36 OF 215

GENERAL COMMENTS: See CQA Daily	y Log Sheet for today's activities		
-			
			}
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/09/11	FROM 6:30 TO 5:15	10.75



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IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM	7:30 AM	Arrived on-site at 6:30 AM and sent an E-Mail to Steve Dixon, Casey Stephens, and Dominique Bramlett, SUBJECT: SWM Daily Construction Reports for the week of Aug 1, thru Aug 8 2010.	Noted
5:00 PM	7:00 AM	Comanco deploys equipment to repair damage from storms over the weekend. An estimated 3 1/4" of rainfall fell over the weekend.	Noted
9:30 AM	7:30 AM	Departed the site to attend a meeting at the Lecanto Government Building.	Noted
8:30 AM	12:00 PM	Diamond Transport hauled in two loads of FDOT rock on to the site to repair washouts on the South Access Road.	Noted
12:30 PM	4:30 PM	Comanco constructed the berm and swale tie-in to the main access roadway swale.	Noted
4:30 PM	4:35 PM	Received the following E-Mails concerning the Phase III Construction: From: Dominique Bramlett, SUBJECT: SWM Daily Construction Report for the Week of Aug 2 thru Aug 8, 2010 dated Aug 9, 2010 10:05 AM From: Dominique Bramlett, SUBJECT: RE Box Culvert dated Aug 9, 2010 12:41 PM	Noted
	5:15 PM	Departed the site at 5:15 PM.	Noted



		DES	SCRIPTION OF WORK		
ONTRACT NAME: SWM PHASE 3 EXPANSION		NTRACT NO: ITB 040-10		DAY OF WEE TUESD	
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CONTRACTOR: COMANCO					The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	8/10/2010	TUESDAY	NO: 37 OF 215
WEATHER CONDITIONS:	XCLEAR ☐PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	89 HIGH 78	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	NONE SLIGHT IND SPEED: MF			
		TART:	SHOWERS END: END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEA	THER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
SOUTH ACCESS ROAD	<u> </u>	0070 07 WOTHE DATE	- 111/11/00/00/01/1/0	ALE DAT
COCHTAGGEGG HOAD	i 🗥	Ш	i i	
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VISITORS: NONE				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/10/2010	TUESDAY	NO: 37 OF 215

GENERAL COMMENTS:	See CQA Daily Log Sheet for today's a	activities.	
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/10/10	FROM 6:30 TO 6:15	11.75



TIME								
OUT	DESCRIPTION OF EVENT	ACTION TAKEN						
8:30 AM	Arrived on-site at 6:30 AM, then departed the site to pick-up the GPS equipment at the Lecanto Government building.	Noted						
1:00 PM	Dominique Bramlett arrived on-site.	Noted						
10:30 AM	Departed the site to pick up a soil sample from the RIP L & D Landfill.	Noted						
12:00 PM	Pick-up a soil sample from the on-site material which will be used for the subbase/subgrade compaction. It should also be noted that both samples will be sent to TRI for frictional testing.	Noted						
	Comanco finished up the preparation for asphalt on the South Access Road.	Noted						
6:15 PM	Departed the site at 6:15 PM.	Noted						
	8:30 AM 1:00 PM 10:30 AM 12:00 PM	B:30 AM Arrived on-site at 6:30 AM, then departed the site to pick-up the GPS equipment at the Lecanto Government building.  1:00 PM Dominique Bramlett arrived on-site.  10:30 AM Departed the site to pick up a soil sample from the RIP L & D Landfill.  Pick-up a soil sample from the on-site material which will be used for the subbase/subgrade compaction. It should also be noted that both samples will be sent to TRI for frictional testing.  Comanco finished up the preparation for asphalt on the South Access Road.						



		DE	SCRIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	- 1	ITRACT NO: ITB 040-10	DATE: 8/11/2010	DAY OF WEEK: WEDNESDAY	CONTRACT DAY NO: 38 OF 215
			RACTOR INFORMATION		
		NMENTAL CON RANSPORT	ISTRUCTION CORPORATION		
				TIME (	AM/PM)
CONTROL OF CORPORATION OF CORP	ERATIC	N AND LOCATI	ON	BEGINNING	ENDING
SOUTH ACCESS ROAD				7:00 AM	5:00 PM
PHASE III CELL				7:00 AM	5:00 PM
PERSONNEL	NO	HOURS WORKED	MAT	ERIALS RECEIVED	
SUPERVISOR	1	10			
FOREMAN	1	10			
SKILLED	3	10			
TRUCK DRIVERS	3	10			
COMMON					

	OCIVIIVICIN			
	TRAINEE			
GE	OTECHNICAL TECH			
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		ДŊ,	EQUIPMENT (	(ACTIVE/IDLE) A A
Α.		Α		A
X	BULLDOZER		SURVEYING EQUIPMEN	N
X	FRONT END LOADER	X	GPS BASE STATION	
X	GENERATOR		RTK ROVER	
	PUMP		TOTAL STATION	
X	ROLLER, STEEL WHEEL		ENGINEER'S LEVEL	
	TRACTOR, SKID STEER			
3	TRUCK, DUMP			
2	TRUCK, PICKUP	1		
	TRUCK, WATER			
	TRUCK, FUEL			
X	TRACKHOE			

MENGRALE STATE	CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	N   ITB 040-10	8/11/2010	WEDNESDAY	NO: 38 OF 215
WEATHER CONDITIONS:	CLEAR X PA	RTLY CLOUDY	HEAVY CLOUDS	FOG
TEMPERATURE:	90 HIGH 70	6 LOW TEN	MPERATURE RESTRICTION N	
	XNONE SLIGHT	HT STRONG MPH WIND DIRECT	ion:	
RAIN:	NONE X LIGHTST RAINFALL: 2ND RAINFALL:	T HEAVY START: 1:20 PM START:	SHOWERS END: 1:40 PM END:	0.12 INCHES
RAIN DURATION:	X 0-2 HRS 2-4 H	IRS 4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOO	D FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	ACCEPTABLE [ ALL DAY	X MORE THAN 50% OF WORK DAY	LESS THAN 50% OF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY XWET	EXTREMELY	Y WET	
	EFFECTS OF W	EATHER ON MAJOR WO	DRK ITEMS	747 FE 1757
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL	EFFECTED LESS T 50% OF WORK D		
SOUTH ACCESS ROAD		[X]		
PHASE III CELL		X		
NUMBER OF PHOTO	elimber mit die est een die de skopeel de Nord in	HOTO INFORMATION:		
HOMBEH OF FROID		PHOTO ID NUMBERS		
RIPRAP	<u></u>	THO TO IN NOTIFIED		
MAIN ACCESS				
ASPHALT REMOVA	AL _			
SAWCUT		<del>   </del>		
TRANSPORT				
			<del></del>	
	<u></u>	i	· · · · · · · · · · · · · · · · · · ·	
VISITORS: KEN FRINK DIRE	ECTOR OF PUBLIC WOF	RKS, EBER BROWN DEP	UTY COUNTY ADMINIST	RATOR



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/11/2010	WEDNESDAY	NO: 38 OF 215

GENERAL COMMENTS:	See CQA Daily Log She	et for today's activities.			
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PROJECT INSPECTOR: MIKE WIMER	DATE:	08/11/10	HOURS AT JOB SI FROM 6:30	ITE ΓΟ 5.:15	TOTAL HOURS 10.75



Tin	ЛE		
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM	7:15 AM	Arrived on-site at 6:30 AM and coordinated with Scott Palmer about the placement of fill materials to the active face.	Noted
7:00 AM	4:30 PM	Diamond Transport arrived on-site to haul cut materials from the Phase III Cell to the active face.	Noted
9:00 AM	7:15 AM	Departed the site to go over to CR-486 Project.	Noted
9:15 AM	9:25 AM	Received a call from Dominique Bramlett and Kurt Peterson in reference to Asphalt Testing and the placement schedule for August 12, 2010.	Noted
1:20 PM	1:40 PM	Heavy rains occurred which temporary halted construction activities.	Noted
2:30 PM	2:45 PM	Eber Brown and Ken Frink visit the site.	Noted
4:30 PM		Bill Newman informed me that due to the rain the placement of asphalt will occur on Tuesday, August 17, 2010	Notify Dominique Bramlett via voicemail.
4:45 PM		Received the following E-Mails concering the Phase III construction:	
		From: Justin Endsley, SUBJECT: Citrus County Aerial Photo dated 8/11/10 8:40 AM	Noted
		From: Dominique Bramlett, SUBJECT: 335110-03A Pipe Testing	Noted
		From: Dominique Bramlett, SUBJECT: 025615-09A GCL Manufactuer's Installation Guide dated 8/11/10 11:07 AM	Noted
		From: Dominique Bramlett, SUBJECT: 025615-01A GCL Manufactuer's Qualification dated 8/11/10 11:21 AM	Noted
		From: Dominique Bramlett, SUBJECT: Citrus County Progress Meeting # 5 Agenda, dated 8/11/10 11:55 AM	Noted
		From: Dominique Bramlett, SUBJECT: 310520-05A Triplanar Protection Method dated 8/11/10 12:04 PM	Noted
		From: Dominique Bramlett, SUBJECT: 321216-01A Material Testing Data dated 8/11/10 1:32 PM	Noted



TII	ΛE								
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN						
		From: Dominique Bramlett, SUBJECT: 321216-03A LBR Lab Report dated 8/11/10 1:38 PM	Noted						
		From: Dominque Bramlett, SUBJECT: 330520-01A HDPE Manufacturer Qualifications dated 8/11/10 1:49 PM	Noted						
		From: Dominique Bramlett, SUBJECT: HDPE Handing & Storage dated 8/11/10 2:00 PM	Noted						
<del></del>		From: Dominique Bramlett, SUBJECT: 013010-08A Quality Control Testing Log dated 8/11/10 2:38 PM	Noted						
		From Dominique Bramlett, SUBJECT: 025615-10A Sample Warranties dated 8/11/10 2:48 PM	Noted						
		From: Dominque Bramlett, SUBJECT: RFI # 3 dated 8/11/10 3:41 PM	Noted						
		From: Dominique Bramlett, SUBJECT: 33520-04A Sample Warranties dated 8/11/10 3:51 PM	Noted						
		From: Dominque Bramlett, SUBJECT: Change Order No 1 and 5 dated 8/11/10 5:31 PM	Noted						
	5:15 PM	Departed the site at 5:15 PM	Noted						



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ONTRACT NAME:	co	NTRACT NO:	DATE:		DAY OF WEEK:	CONTRACT DA
SWM PHASE 3 EXPANSIO		1		3/12/2010	THURSDAY	NO: 39 OF 215
		CONTE	RACTOR INF	ORMATION		
ONTRACTOR: COMANCO			TRUCTION	CORPORATION	ON	
JBCONTRACTORS: DIA	MOND.	TRANSPORT				
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HASE III CELL					7:00 AM	5:00 PM
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PERSONNEL	NO	HOURS WORKED		. М	ATERIALS RECEIVED	
SUPERVISOR	<u>56,5763</u> 1	10	<u> 1865 June 1</u>			
FOREMAN	<u>'</u>	10				
SKILLED	3	10				
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	CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY				
SWM PHASE 3 EXPANSION	ITB 040-10	8/12/2010	THURSDAY	NO: 39 OF 215				
WEATHER CONDITIONS:	CLEAR PARTL	LY CLOUDY HEA	VY CLOUDS	FOG				
TEMPERATURE: _	91 HIGH79	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:					
	NONE SLIGHT ND SPEED: MP	STRONG PH WIND DIRECTION:						
1			SHOWERS END: END:					
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY					
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD				
DURATION OF 2 ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY				
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	т					
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PHOTO ID NUMBERS								
VISITORS: NONE								



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/12/2010	THURSDAY	NO: 39 OF 215

DECT INSPECTOR: DATE: HOURS AT JOB SITE TOTAL HOURS	NERAL COMMENTS: See CC	A Daily Log Sheet for today's acti	ivities.	
JECT INSPECTOR: DATE: HOURS AT JOB SITE TOTAL HOURS				
JECT INSPECTOR: DATE: HOURS AT JOB SITE TOTAL HOURS				



TII	TIME								
IN	оит	DESCRIPTION OF EVENT	ACTION TAKEN						
6:30 AM	7:15 AM	Arrived on-site at 6:30 AM and attended Comanco Safety Briefing.	Noted						
7:30 AM	4:30 PM	Three Trucks from Diamond transport arrived on-site to hauled cut materials from the Phase III cell expansion to the soil stockpile area.	Noted						
9:45 AM	7:30 AM	Departed the site to attend the Progress Meeting on CR-486 Project.	Noted						
9:45 AM	9:50 AM	Notify Casey Stephens that my last day at the Landfill will be Friday, August 20, 2010.	Noted						
10:00 AM	10:30 AM	Attended the weekly progress meeting conducted by Dominique Bramlett. In attendance was Troy Watral, Justin Endsley, and Bill Newman from Comanco. Representing Citrus County was Casey Stephens and Mike Wimer. For a listing of the items discuss see agenda # 4	Noted						
	11:15 AM	Dominique Bramlett departed the site.	Noted						
3:00 PM	1:30 PM	Departed the site to attend a meeting on CR-486, Direct Purchase Requirments	Noted						
	4:30 PM	Diamond Transport departed the area after hauling 69 loads of material out of the Phase III Cell.	Noted						
	5:15 PM	Departed the site at 5:15 PM.	Noted						



	DESCI	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/13/2010	FRIDAY	NO: 40 OF 215
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	VIRONMENTAL CONST	RUCTION CORPORATION	1	
SUBCONTRACTORS: DIAMO	ND TRANSPORT			
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	- · · · · · ·			
			TIME (A	AM/PM)
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PHASE III CELL			7:00 AM	12:30 PM
		•	•	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	5.5	
FOREMAN	1	5.5	
SKILLED	3	5.5	
TRUCK DRIVERS	2	4.5	
COMMON			
TRAINEE			
GEOTECHNICAL TECH	1	0.5	

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Х	FRONT END LOADER	Х	GPS BASE STATION				
Х	GENERATOR		RTK ROVER				
	PUMP		TOTAL STATION				
Х	ROLLER, STEEL WHEEL		ENGINEER'S LEVEL				
	TRACTOR, SKID STEER						
2	TRUCK, DUMP						
2	TRUCK, PICKUP				·		
	TRUCK, WATER						
	TRUCK, FUEL						
Х	TRACKHOE						

CONTRACT QUANTITY INCREASES TODAY						
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	N   ITB 040-10	8/13/2010	FRIDAY	NO: 40 OF 215
WEATHER CONDITIONS:	XCLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	91 HIGH 79	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
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RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	т	
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PHASE III CELL	<u> </u>			THE DATE
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/13/2010	FRIDAY	NO: 40 OF 215

GENERAL COMMENTS:	See CQA Daily Log Sheet	for today's activities.		
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PROJECT INSPECTOR:	DATE:	8/13/10	HOURS AT JOB SITE	



TU	ΛE		
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM		Arrived on-site at 6:30 AM and attended Comanco Safety Meeting.	Noted
10:00 AM	8:30 AM	Departed the site to attend the Pre-Construction Meeting for Halls River Road and US-19.	Noted
12:00 PM	12:30 PM	Universal Engineering Services was on-site to performed density testing for the 1st lift of soil for fill in the sump pump area. Test results were 99.6% and 99.2%.	Noted
	12:30 PM	Comanco hauled out 522 yd³ of cut material out of the Phase III Cell. In addition, 162 yd³ of topsoil was removed from the site.	Noted
	12:30 PM	Comanco operators departed the site.	Noted
	3:00 PM	Received the following E-Mails concerning the Phase III Construction:	
		From: Dominique Bramlett, SUBJECT: CQA Testing at Citrus County Landfill dated 8/13/10 9:42 AM.	Noted
	-	From: Dominique Bramlett, SUBJECT: 313219-10XT GEOGRID Leachate Exposure, dated 8/13/10 10:48 AM.	Noted
		From: Dominique Bramlett, SUBJECT: 335110-04A Elbows and Fittings, dated 8/13/10 12:08 PM.	Noted
		From: Dominique Bramlett, SUBJECT: 330520-03A Installer Qualifications, dated 8/13/10 12:44 PM.	Noted
		From: Dominique Bramlett, SUBJECT: 025615-04A GCL Installation Plan, dated 8/13/10 12:52 PM	Noted
		From: Dominique Bramlett, SUBJECT: Citrus County Landfill Phase 3 Expansion Synthetic Materials Testing, dated 8/13/10 2:07 PM.	Noted
		From: Dominique Bramlett, SUBJECT: RE335110-04A Elbows and Fittings dated 8/13/10 2:59 PM	Noted
		From: Dominique Bramlett, SUBJECT: Progress Meeting Minutes # 5 dated 8/13/10 3:06 PM	Noted
		From: Dominique Bramlett, SUBJECT: 310520-01B Triplanar Manufactuer's Experience dated 8/13/10 3:24 PM	Noted



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IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
		From: Dominique Bramlett, SUBJECT: 310520-09A Manufacturer's Triplanar Qualifications dated 8/13/10 3:32 PM.	Noted
	3:00 PM	Departed the site at 3:00 PM.	Noted
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CONTRACT NAME		CONTRACT		DATE:	- 1204.0	DAY OF WE		CONTRACT DAY NO: 41 OF 215
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/14/2010	SATURDAY	NO: 41 OF 215
WEATHER CONDITIONS:	CLEAR PARTE	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	92 HIGH 79	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
	NONE SLIGHT	STRONG PH WIND DIRECTION:		` <b>L</b>
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RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ĒΤ	
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/14/2010	SATURDAY	NO: 41 OF 215

GENERAL COMMENTS:	See CQA Daily Log She	et for today's activities.			
PROJECT INSPECTOR: MIKE WIMER	DATE:	08/14/10	HOURS AT JOB SI FROM 7:00	ΙΤΕ ΓΟ 7:00	TOTAL HOURS 0



Til	TIME					
in	OUT	DESCRIPTION OF EVENT	ACTION TAKEN			
7:00 AM	7:00 AM	No work was planed or performed.	Noted			



			SCRIPTION O	F WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION		NTRACT NO: ITB 040-10			DAY OF WEEK: SUNDAY	CONTRACT DAY NO: 42 OF 215
SWIN PHASE 3 EXPANSI					SUNDAY	
CONTRACTOR: COMANC		ONMENTAL CON	ISTRUCTION (	CORPORATION	DM	
SUBCONTRACTORS:	J LIVIII	ONWENTAL CON	STROCTION	JOHN CHATIC	) V	
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	<del></del>				ASSESS TIME	(AM/PM)
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PERSONNEL	NO	HOURS		M	ATERIALS RECEIVED	
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TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM		<del></del>	CREASES TO		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/15/2010	SUNDAY	NO: 42 OF 215
WEATHER CONDITIONS:	X CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	92 HIGH 76	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO	
	XNONE SLIGHT		5. 25.1 15/1/10/14 NO	1
:		ART:	SHOWERS END: END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI	
MA-1				
NUMBER OF PHOTO:	un iniditatua valvatariari alta (hill) .	O INFORMATION:		
		TO ID NUMBERS		
	PHO	NOWIDENS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/15/2010	SUNDAY	NO: 42 OF 215

GENERAL COMMENTS: See CQA Da	aily Log Sheet for today's activitie	es.	
	r.		
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/15/10	FROM 7:00 TO 7:00	0



TIME						
in.	OUT	DESCRIPTION OF EVENT	ACTION TAKEN			
7:00 AM	7:00 AM	No work was planned or performed.	Noted			



	<u> </u>	,			N OF WORK	··	
ONTRACT NAME: SWM PHASE 3 EXPANS		COI	NTRACT NO: ITB 040-10		:: 8/16/2010	DAY OF WEEK: MONDAY	NO: 43 OF 215
Will That of Extrans		٠			NEORMATION	<del> </del>	110.45 01 215
ONTRACTOR: COMAN							<u> </u>
UBCONTRACTORS:							
•			_				
			<del> </del>				
							····- · · · · · · · · · · · · · · · · ·
						TIME	(AM/PM)
	OPER	RATIO	ON AND LOCATION	ON	The Artist of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Con	BEGINNING	ENDING
XCAVATION AND EMBA	NKME	NT P	HASE III CELL			7:00 AM	5:00 PM
PERSONNEL	l N	Ю.	HOURS		M	ATERIALS RECEIVED	
	8		WORKED				
SUPERVISO		1	10.5				
FOREMA SKILLE		1 3	10.5				
TRUCK DRIVER		3	10.5				
COMMO			1			<del></del> -	
COMINIO							
TRAINE							
TRAINE GEOTECHNICAL TECH							
GEOTECHNICAL TECH			EQU	IPMENT (A	ACTIVE/IDLE)		
GEOTECHNICAL TECH			SURVEYING EC	QUIPMEN	ACTIVE/IDLE)	Á	
A BULLDOZER  1 FRONT END LOAK		<b>A</b>	SURVEYING EC	QUIPMEN	ACTIVE/IDLE)	<b>A</b>	
A  1 BULLDOZER 1 FRONT END LOAF			SURVEYING EC GPS BASE STA RTK ROVER	QUIPMEN TION	ACTIVE/IDLE)	A	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP	DER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO	QUIPMEN TION	ACTIVE/IDLE)	A	
A  1 BULLDOZER 1 FRONT END LOAI GENERATOR PUMP ROLLER, STEEL I	DER	1	SURVEYING EC GPS BASE STA RTK ROVER	QUIPMEN TION	ACTIVE/IDLE)	A	
A  1 BULLDOZER 1 FRONT END LOAI GENERATOR PUMP ROLLER, STEEL I TRACTOR, SKID S	DER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO	QUIPMEN TION	ACTIVE/IDLE)	A	
A  1 BULLDOZER 1 FRONT END LOAI GENERATOR PUMP ROLLER, STEEL I	DER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO	QUIPMEN TION	ACTIVE/IDLE)	A	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP	DER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO	QUIPMEN TION	ACTIVE/IDLE)	A	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP	DER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO	QUIPMEN TION	ACTIVE/IDLE)	A	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER	DER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO	QUIPMEN TION	ACTIVE/IDLE)	A	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A		
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER VHEEL TEER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A	DDAY	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER VHEEL TEER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A		
A  1 BULLDOZER 1 FRONT END LOAF GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER VHEEL TEER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A	DDAY	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER VHEEL TEER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A	DDAY	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER VHEEL TEER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A	DDAY	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER VHEEL TEER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A	DDAY	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER VHEEL TEER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A	DDAY	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER VHEEL TEER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A	DDAY	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER VHEEL TEER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A	DDAY	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER VHEEL TEER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A	DDAY	
A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	DER VHEEL TEER	1	SURVEYING EC GPS BASE STA RTK ROVER TOTAL STATIO ENGINEER'S LE	QUIPMEN TION N EVEL	A	DDAY	



CONTRACT NAME:	CONTRA	CT NO:	DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITE	3 040-10	8/16/201	10	MONDAY	NO: 43 OF 215
WEATHER CONDITIONS:	X CLEAR	PARTL	Y CLOUDY	HEA	VY CLOUDS	FOG
TEMPERATURE:	93 H	GH79	LOW	TEMPER	ATURE RESTRICTION NO	
	X NONE IND SPEED:	SLIGHT MP	STRON H WIND DIR			
	X NONE 1ST RAINFA 2ND RAINFA		HEAVY ART:	I	SHOWERS END: END:	
RAIN DURATION:	X 0-2 HRS	2-4 HRS	4-6 HRS	3	ALL DAY	
WORKING CONDITIONS:	EXCELLE	NTX GOOD	FAIR		POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	X ACCEPTA ALL DAY		ORE THAN 50% F WORK DAY		ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY	WET	EXTRE	MELY WE	Т	
	EFFE	CTS OF WEAT	HER ON MAJOF	NORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		FFECT ALL DAY	EFFECTED LES		EFFECTED MC THAN 50% OF W	
EXCAVATION AND EMBANKMENT PHASE III CEL	1	X				
EMIDANKIMENT PHASE III CEL	<u>.L.</u>					
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NUMBER OF PHOTO	S TAKEN:	PHOT( 5	O INFORMATION	J:		
		рнот	TO ID NUMBERS	•		
ACCESS DR	——————————————————————————————————————	Fhoi	TO ID NOWIBERS	<u> </u>		
24-CMP	$\dashv \vdash$					
TRENCH LINE						
DENSITY TESTING						
LIFT	<b>                                   </b>					
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<u>-</u>						
VISITORS: None						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/16/2010	MONDAY	NO: 43 OF 215

GENERAL COMMENTS:	See CQA Daily Log Shee	t for today's activities.	-		
		· · · · · · · · · · · · · · · · · · ·			
DDO IECT INCDECTOR:	DATE.	,	JOHDS AT JOS SITE		TOTAL HOUDE
PROJECT INSPECTOR: MIKE WIMER	DATE:		HOURS AT JOB SITE FROM 6:30 TO	5:15	TOTAL HOURS 10.25



ΤII	VIE		
in	ουτ	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM	5:15 PM	Arrived on-site and sent an E-Mail to Steve Dixon, Casey Stephens, and Dominique Bramlett SUBJECT: SWM Daily Construction Report for Aug 9 thru 15	Noted
7:30 AM	7:45 AM	Robert Byrns from PSI was on site to performed density testing on the filled within the sump pump area.	Noted
8:00 AM	1:30 PM	Comanco spent the morning dressing up the shoulder of the South Access Road.	Noted
3:45 PM	4:00 PM	PSI was on-site to performed density testing within the sump pump area.	Noted
4:30 PM	4:45 PM	Universal Engineering Services arrived on-site to performed density test.	Noted
	5:15 PM	Departed the site at 5:15 PM	Noted



		Control DE	SCRIPTION OF WO	RK	<u> </u>	
CONTRACT NAME: SWM PHASE 3 EXPANS		NTRACT NO: ITB 040-10	•	1	OF WEEK: TUESDAY	CONTRACT DAY NO: 44 OF 215
		CON	TRACTOR INFORMA	TION	Hand Francis	
CONTRACTOR: COMAN	CO ENVIR	ONMENTAL CON	ISTRUCTION CORP	ORATION		
SUBCONTRACTORS:	DIAMOND :	T TRUCKING				7.2.00
	•					
	·					
				r		
S. SANDERSON, MANAGE OF AN ELECTRON CONTRACTOR OF MESSAGE	***			2,54	TIME	(AM/PM)
			ON.			ENDING
EXCAVATION AND EMBA	NKMENT F	HASE III CELL			7:00 AM	5:00 PM
rituat per etta etta etta en ekis	e Talunakaka tur.	HOURS	68/03 Visto 1900 Province			el e la calaba vida dia Seketti.
PERSONNEL	NO:	WORKED		MATERIALS	S RECEIVED	
SUPERVISOI	8 1	10.5	234. Versië i 440au, 176 Vilusi			
FOREMAI		10.5	- 1			
SKILLE		10.5				
TRUCK DRIVERS						
COMMOI	1		•	<del> </del>		
TRAINE	=					
GEOTECHNICAL TECH						
		EQI	JIPMENT (ACTIVE/II	DLE)	경우 경우(원양) 첫 경우	
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2 TRUCK, DUMP 2 TRUCK, PICKUP						
2 TRUCK, PICKUP TRUCK, WATER		<del></del>				· · · · · ·
TRUCK, FUEL			<del></del>		<del></del>	
1 TRACKHOE			+ +		++-	
THRONIOE	<u> </u>		II		- <u></u> -L	
	ni vii Angela	CONTRACT	QUANTITY INCREA	SES TODAY	7818481841.A. 5 8	
ITEM NO.	ITEM		QUANTITY		S AND CALC	ULATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/17/2010	TUESDAY	NO: 44 OF 215
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	95 HIGH76	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
	X NONE SLIGHT IND SPEED: MF	STRONG PH WIND DIRECTION:		
			SHOWERS END: 5:00 PM END:	0.95"
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	THER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM:	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF WO	
EXCAVATION AND	X			
EMBANKMENT PHASE III CEL				
NUMBER OF BUOTS		O INFORMATION:		
NUMBER OF PHOTO		TO ID NUMBERS		
FILLED MATERIAL		TO ID NOMBERIO		
VISITORS: NONE				<del></del>



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/17/2010	TUESDAY	NO: 44 OF 215

GENERAL COMMENTS:	See CQA Daily Log Sheet for today's a	ctivities.	-
•			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS



TII	ME		
IN.	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM	5:15 PM	Arrived on-site at 6:30 AM.	Noted
8:00 AM	7:00 AM	Departed the site to pick up the GPS unit at LGB and drive thru the CR-486 Cooridor.	Noted
7:30 AM	4:00 PM	Diamond Transport arrived on-site with two trucks.	Noted
8:00 AM	8:30 AM	PSI's Field Technician, Robert Byrns, arrived on-site to check the denisty on the first lift of fill for the day.	Noted
11:50 AM	12:10 PM	Universal Engineering Services was on-site to check the density on the second liff of fill for today.	Noted
12:30 PM	12:45 PM	PSI's was on-site to check the density on the seceond lift of fill for today.	Noted
1:10 PM	1:15 PM	Bill newman informed me that the asphalt contractor, Paverite, will prime the access drive this afternoon.	Noted
	4:00 PM	Comanco shuts down the two trucks hauling soil from the Phase III cell. 90 loads of soil were hauled out of the phase III cell (1,620) yd³	Noted
4:35 PM	5:00 PM	Universal Engineering was on-site to performed density testing on the third lift of fill in the sump pump area.	Noted
	5:15 PM	Departed the site at 5:15 PM.	Noted
:			



ONTRACT NAME:	<u> </u>	DE:	SCRIPTION OF W	ORK		
<b>SWM PHASE 3 EXPANSIO</b>	1	ITRACT NO: ITB 040-10	DATE: 7/26/2	:010	DAY OF WEEK: MONDAY	CONTRACT DAY NO: 22 OF 215
		CONT	RACTOR INFORM	ATION	A. S. Allegaria	
ONTRACTOR: COMANCO	ENVIRO	NMENTAL CON	STRUCTION COR	PORATION		
UBCONTRACTORS: PA	VERITE					
			· · · · · · · · · · · · · · · · · · ·			
					Fig. 44, 45 cm in a man in a second	70 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To
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	n ártalásaja	HOURS		, nekstě říženus		
PERSONNEL	NO	WORKED		MATE	RIALS RECEIVED	
SUPERVISOR	1	10.5		······································		
FOREMAN	1	10.5				
SKILLED	3	10.5				
TRUCK DRIVERS						
COMMON						
TRAINEE						
GEOTECHNICAL TECH		<u> </u>				
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		ENGINEER S LE	VEL			
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TRUCK, DUMP TRUCK, PICKUP	-					
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER						
TRUCK, DUMP TRUCK, PICKUP						
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL						
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL					Y	
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM		QUANTITY INCRE		Y MARKS AND CALC	
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM					
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM					
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TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM					
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/26/2010	MONDAY	NO: 22 OF 215
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	93 HIGH76	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
	X NONE SLIGHT IND SPEED: MF	STRONG PH WIND DIRECTION:		
:			SHOWERS END: END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	THER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS		EFFECTED LESS THAN 50% OF WORK DAY		
PREPARATION OF THE SOUT ACCESS DRIVE	н	Ш	L	Ц
-	_ 🗆			
NUMBER OF PHOTOS		O INFORMATION:		
<u> </u>	PHO	TO ID NUMBERS		
PRIME COAT				
<b></b>				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/26/2010	MONDAY	NO: 22 OF 215

GENERAL COMMENTS: See	e CQA Daily Log Sheet for to	oday's activities		 · · · · · · · · · · · · · · · · · · ·
				•
		•		
PROJECT INSPECTOR:	DATE:	10	HOURS AT JOB SITE	AL HOURS



TII	VIE		
in	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
6:30 AM	5:15 PM	Arrived on-site at 6:30 AM.	Noted
8:00 AM	12:30 PM	SCS Engineer's, Quality Control Inspector, Kurt Peterson, arrived onsite.	Noted
8:00 AM	3:30 PM	Comanco's Field Crew spent a majority of the day preparing the South Access Drive for paving.	Noted
3:30 PM	4:30 PM	Paverite arrived on-site to prime the South Access Drive.	Noted
	5:15 PM	Departed the area at 5:15 PM.	Noted
	}		



	DESCF	RIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 8/19/2010	DAY OF WEEK: Thursday	CONTRACT DAY
SWIN FILASE S EXFANSION	<del></del>		mursuay	110.4001 213
CONTRACTOR: COMANCO EN	<u> </u>		<u> </u>	
SUBCONTRACTORS: Diamor	nd Transport		<del></del>	· · · · · · · · · · · · · · · · · · ·
	· · · · ·			
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
Phase 3 Cell , Northwest side slop	oe .		7:00 AM	
	•			

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN	1	11.5	
SKILLED	3	11.5	
TRUCK DRIVERS	3	11	1 left early at 4pm
LABOR			
TRAINEE			
GEOTECHNICAL TECH			

			EQUIPMENT (	ACTI	VE/IDLE)		
<b>A</b>	BULLDOZER	_ A	SURVEYING EQUIPMEN		<u> </u>	<u> </u>	
1	FRONT END LOADER	1	GPS BASE STATION				
1	GENERATOR						
	PUMP						
1	ROLLER, STEEL WHEEL						
	TRACTOR, SKID STEER						
3	TRUCK, DUMP						
2	TRUCK, PICKUP						
	TRUCK, WATER				·		
	TRUCK, FUEL						
1	TRACKHOE						

	CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS						
		270 cy stipping, 558	BASED ON 18CY PER TRI-AXLE TRUCK						
6	EX. OF UNSUITABLE SOIL	cy cut							
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/19/2010	Thursday	NO: 46 OF 215
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	HIGH	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
	X NONE SLIGHT IND SPEED: 6 MF	STRONG PH WIND DIRECTION:	ws	W
;			SHOWERS END: END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	THER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM:	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR	
Phase 3 Cell , Northwest side	X			
slope				
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NUMBER OF PHOTO	Augustinia in the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Com	O INFORMATION:		
	PHO	TO ID NUMBERS		
1727-1728				
VISITORS:				



1	CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
	SWM PHASE 3 EXPANSION	ITB 040-10	8/19/2010	Thursday	NO: 46 OF 215

Kurt Peterson	DATE: 08/19/10	FROM 6:30 TO	6:00 11.5
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
			:
County held progress meeting.	15 truck loads stripping of vegetat	ion (250 cy) and 31 loads of c	ut (558 cy).
end loader forming material into sto	ockpile. Steel wheel compactor co	mpacting stockpiled materials	s. Engineer, Contractor and
moved equipment to north west fac loaded out materials into three sub			
	o onsite at 6:30 am. Super held sa		

	DESCR	RIPTION OF WORK			
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	8/20/2010	Friday	NO: 47 OF 215	
	CONTRAC	CTOR INFORMATION			
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	IUCTION CORPORATION			
SUBCONTRACTORS: Diamor	nd Transport, Pave Rite		· · · · · · · · · · · · · · · · · · ·		
			TIME (A	M/PM)	
OPER	RATION AND LOCATION		BEGINNING	ENDING	
Phase 3 Cell , Northwest side slop	pe		7:00 AM		
Layed asphalt on haul road c/o 00	002				
	-				
				•	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	8	
FOREMAN	1	8	
SKILLED	3	5	
TRUCK DRIVERS			
LABOR			
TRAINEE			
GEOTECHNICAL TECH			

	Α		Α	EQUIPMENT (	ACTIVE/IDLE) A	A	
П	1	BULLDOZER		SURVEYING EQUIPMEN		-	
	1	FRONT END LOADER	1	GPS BASE STATION			
	1	GENERATOR	1	BROOM			
Γ		PUMP	1	ASPHALT SPREADER			
Γ	2	ROLLER, STEEL WHEEL	1	TRAFFIC ROLLER			
		TRACTOR, SKID STEER					
Γ	3	TRUCK, DUMP					
Γ	2	TRUCK, PICKUP					
Γ	1	TRUCK, WATER					
ſ		TRUCK, FUEL					
	1	TRACKHOE					

CONTRACT QUANTITY INCREASES TODAY							
ITEM	QUANTITY	REMARKS AND CALCULATIONS					
EX. OF UNSUITABLE SOIL	270 cy stripping, 558 cy cut	BASED ON 18CY PER TRI-AXLE TRUCK					
HAUL ROAD ASPHALT	250.02 TONS	13 LOADS SEE DELIVERY TICKETS					
	EX. OF UNSUITABLE SOIL	ITEM QUANTITY  270 cy stripping,  EX. OF UNSUITABLE SOIL 558 cy cut					

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/20/2010	Friday	NO: 47 OF 215
WEATHER CONDITIONS:	XCLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:		- <u>-</u>	ATURE RESTRICTION SPECIFICATION NO:	
	NONE SLIGHT  IND SPEED: 6 MF	STRONG WIND DIRECTION:	ws	w
RAIN:			SHOWERS END: END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF	
Phase 3 Cell , Northwest side	X			
Slope  Laying asphalt on new haul ro.	ad x			
	_ 🗆			
NUMBER OF PHOTO	98810m. 17910mm 189116 (1991 5.8)	O INFORMATION:		
	РНО	TO ID NUMBERS		
1728-1739				
VISITORS:				

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/20/2010	Friday	NO: 47 OF 215

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. At 7am

moved equipment to north west face of cell and began removing vegetation and unsuitable soils loaded out materials into three subcontractors tri-axle trucks. Trucks hauled materials to area need loader forming material into stockpile. Steel wheel compactor compacting stockpiled material vegetation 47 loads (846 cy). Pave rite on site at approximately 8:30 am. Traffic broom swept sbase. Began receiving asphalt trucks at 8:45 am. Received 13 tri-axle truck loads for a total of asphalt with a spreader then compacted with a traffic roller and a steel drum roller. Asphalt mix Temperatures ranged from 242-311 degrees F and was recorded on each truck ticket. Crew pe 12 noon. Asphalt crew finished at approx. 2:15 pm. Comanco placed caution tape and cones a to traffic over the weekend.	orth of new cell and dumped. Front lals. 15 truck loads stripping of sand off of new haul road primed 250.02 tons. Pave Rite layed design was SB 12-5 super pave.
	·

HOURS AT JOB SITE

FROM 6:30 TO 2:30

DATE:

08/20/10

PROJECT INSPECTOR:

Kurt Peterson

TOTAL HOURS

CONTRACT NAME:		NTRACT NO:		OF WORK	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANS		ITB 040-10		8/212010	Saturday	NO: 48 OF 215
CONTRACTOR: COMANO						<u> </u>
SUBCONTRACTORS:						
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	OPERATI	ON AND LOCAT	ION	State State		ENDING
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PERSONNEL	NO	HOURS WORKED		M	ATERIALS RECEIVED	
SUPERVISOR		WORKED	· 在影響學問題 "我们的。"	<u>lie las il calglio alamen</u>	<u> 後 中等のアメルスには4 22</u>	· 图《多·分钟》2009年度在
SUPERVISOR FOREMAN		<del> </del>	<del> </del>	<u> </u>		
SKILLED		<del></del>	<del>                                     </del>			
TRUCK DRIVERS		<del> </del>	<del>                                     </del>			
	<del></del>					
LABOR		<del>                                     </del>	<del> </del>			
TRAINEE		<del> </del>				
GEOTECHNICAL TECH	L		<u> </u>			
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FRONT END LOAD	= <del>K</del>	GPS BASE ST	ATION		——————————————————————————————————————	
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PUMP		ASPHALT SPE			<u> </u>	
ROLLER, STEEL W		TRAFFIC ROLI	LER			
TRACTOR, SKID ST	EER			<del></del> -		
TRUCK, DUMP		<del>-</del>	—— <del> </del> —			
TRUCK, PICKUP	$\longrightarrow$					
TRUCK, WATER		<del> </del>				
TRUCK, FUEL	-+	<del></del>				
TRACKHOE						
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CONTRACT NAME:	CONTRAC	T NO:	DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB	040-10	8/21201	0	Saturday	NO: 48 OF 215
WEATHER CONDITIONS:	X CLEAR	PARTL	Y CLOUDY	ПНЕА	VY CLOUDS	FOG
TEMPERATURE:	90 HIG	GH 75	. ⊔		ATURE RESTRICTI SPECIFICATION I	
<b>WIND:</b> V	☐NONE /IND SPEED:_	SLIGHT MP			Not	recorded
RAIN:	XNONE 1ST RAINFAL 2ND RAINFAL				SHOWERS END:	
RAIN DURATION:	X 0-2 HRS	2-4 HRS	4-6 HRS	;	ALL DAY	
WORKING CONDITIONS:	EXCELLEN	TX GOOD	FAIR		POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	X ACCEPTAE ALL DAY		ORE THAN 50% F WORK DAY		SS THAN 50% WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	XDRY	WET	EXTREM	VELY WE	Т	
(基本) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	EFFEC	TS OF WEAT	HER ON MAJOR	WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		FECT ALL DAY	EFFECTED LES 50% OF WOF		EFFECTED M THAN 50% OF	
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NUMBER OF PHOTO	S TAKEN:	PHOTO 0	INFORMATION			
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VISITORS:						

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/212010	Saturday	NO: 48 OF 215

GENERAL	COMMENTS:	Comanco not onsite.	No work planned or perf	ormed.	· ·
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DDO IECE	MODEOTOS	D.4-T	<del>-</del> .	LIQUIDO AT 100 CITE	TOTAL HOURS
	INSPECTOR:	DATI		HOURS AT JOB SITE	TOTAL HOURS
Kurt Peters	son		08/21/10	FROM 0:00 TO 0:00	0

			ESCRIPTION	ON OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	ION	NTRACT NO: ITB 040-10		E: 8/222010	DAY OF WEEK: Sunday	CONTRACT DAY NO: 49 OF 215
		CON	TRACTOR	INFORMATION		
CONTRACTOR: COMANCO						<u> </u>
SUBCONTRACTORS:	<del></del>					
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	<del></del>					
					* ~ * 0-00,	
						(AM/PM)
	OPERATION	ON AND LOCAL	ION		BEGINNING	ENDING
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			<u> </u>			
PERSONNEL	NO	HOURS		MZ	ATERIALS RECEIVED	<b>产品类型</b> 的基度
		WORKED	<u> 400 000</u>		AI ENIALO I ILVEIT	
SUPERVISOR						
FOREMAN						
SKILLED						
TRUCK DRIVERS						
LABOR		1	T			
TRAINEE		1				<del></del> -
GEOTECHNICAL TECH		†		-		
		<del></del>			W-01-2-11	
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FRONT END LOADE	== -	GPS BASE STA		<del>  </del>		
GENERATOR		BROOM	ATION	<del>                                     </del>		
PUMP	<del></del>	ASPHALT SPR	PEADER	<del>                                     </del>		
ROLLER, STEEL WH		TRAFFIC ROLL		<del>                                     </del>	<del></del>	·
TRACTOR, SKID ST		I HAFFIO HOLL	_EH	<del>                                     </del>	<del></del>	
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TRUCK, DUMP	$-\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	<del>                                     </del>		<del>                                     </del>		
TRUCK, PICKUP	<del></del>			<del>                                     </del>		
TRUCK, WATER	$\longrightarrow$	<del></del>	!	<del></del>		
TRUCK, FUEL	<del></del>		!	<del>                                     </del>		<del></del> -
TRACKHOE						
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CONTRACT NAME:	CONTRA	CT NO:	DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSIO	N IT	B 040-10	8/22201	0	Sunday	NO: 49 OF 215
WEATHER CONDITIONS:	X CLEAR	PARTL	Y CLOUDY	ПНЕА	VY CLOUDS	FOG
TEMPERATURE:	90 H	IGH75	LOW	TEMPER	ATURE RESTRICTION N	
WIND:	NONE VIND SPEED	SLIGHT MP	STRON		Not	ecorded
RAIN:	NONE 1ST RAINFA	ALL: ST	ART: HEAVY	_	SHOWERS END:	Rainfall .03"
RAIN DURATION:	X 0-2 HRS	2-4 HRS	4-6 HRS	s	ALL DAY	
WORKING CONDITIONS:	EXCELLE	NTXGOOD	FAIR		POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	X ACCEPTA ALL DAY		ORE THAN 50% F WORK DAY		ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	XDRY	WET	EXTREM	MELY WE	T	
	EFFI	CTS OF WEAT	HER ON MAJOR	WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		FFECT ALL DAY	EFFECTED LES		EFFECTED M THAN 50% OF N	
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NUMBER OF PHOTO	S TAKEN.	PHOTO 0	DINFORMATION			
	O PAREM		O ID NUMBERS			
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VISITORS:						

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	8/222010	Sunday	NO: 49 OF 215	

GENERAL	COMMENTS:	Comanco not onsite.	No work planned or perf	ormed.	
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i					
				<del></del> .	 
DDO IECT	INSPECTOR:	DATI	=•	HOURS AT JOB SITE	 TOTAL HOURS
Kurt Peters		DATI	=: 08/22/10	FROM 0:00 TO	0
	•				 



		DESCR	IPTION OF WORK		
CONTRACT NAME:	COI	NTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION		ITB 040-10	8/23/2010	Monday	NO: 50 OF 215
		A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	CTOR INFORMATION		
CONTRACTOR: COMANCO	NVIR	DNMENTAL CONSTR	SUCTION CORPORATION	ON	
SUBCONTRACTORS: North	Lake	Sod			
·					
			<del> </del>		
				TIME (A	
Manager and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the	G / H	ON AND LOCATION		BEGINNING	ENDING
Phase 3 Cell , Northwest side s	ope			7:00 AM	8:00 AM
New haul road				8:00 AM	6:00 PM
		T	25 m	w	HIS A STORY I SHOW THE STORY
PERSONNEL	NO	HOURS WORKED	M	ATERIALS RECEIVED	
SUPERVISOR	1	11.5			
FOREMAN	1	11.5			
SKILLED	3	11.5			
TRUCK DRIVERS					
LABOR					
TRAINEE					
GEOTECHNICAL TECH					
A Market Commence	A	EQUIPM	IENT (ACTIVE/IDLE)  A	<b>A</b>	
I 1 IBULLDOZER	T	SURVEYING EQUIP			
1 FRONT END LOADER	1	GPS BASE STATIO			
1 GENERATOR				<del></del>	

	Α		Α	EQUIPMENT (	ACT	VE/IDLE)	Α	
П	1	BULLDOZER		SURVEYING EQUIPMEN				
ı	1	FRONT END LOADER	1	GPS BASE STATION				
	1	GENERATOR						
ı		PUMP				,		
ı		ROLLER, STEEL WHEEL						
		TRACTOR, SKID STEER						
		TRUCK, DUMP						
- {	2	TRUCK, PICKUP						
		TRUCK, WATER						
ı		TRUCK, FUEL						
ı	1	TRACKHOE						

ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
			BASED ON LOADER BUCKET LOADS
6	EX. OF UNSUITABLE SOIL	36 cy	
	l i		
- i - i - i - i - i - i - i - i - i - i			
		-	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/23/2010	Monday	NO: 50 OF 215
WEATHER CONDITIONS:	CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:			RATURE RESTRICTION SPECIFICATION NO:	
	NONE SLIGHT  ND SPEED: 6 MF	STRONG PH WIND DIRECTION:	ws	w
1.			X SHOWERS END: 2:30 PM END: 1	1.125 inches
RAIN DURATION:	]0-2 HRS   X   2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	XFAIR	POOR	BAD
DURATION OF CACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY XWET	EXTREMELY WE	:T	
	EFFECTS OF WEAT	THER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
Phase 3 Cell , Northwest side slope	×			
Raking haul road shoulder		X		
n				
NUMBER OF PHOTOS		O INFORMATION:		
	PHO	TO ID NUMBERS		
1740-1748				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/23/2010	Monday	NO: 50 OF 215

GENERAL COMMENTS: Comanco onsi moved equipment to north west face of c to designated stockpile area using a load road shoulders in preparation of laying so	ell and began removing and demer. Comanco crew then moved	noilition of GFFR. Hauled approxin	nately 36 cy of material
PROJECT INSPECTOR: Kurt Peterson	DATE: 08/23/10	HOURS AT JOB SITE FROM 6:30 TO 6:00	TOTAL HOURS 11.5



		DES		OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSIO	COI	NTRACT NO:	DATE:	8/24/2010	DAY OF WEEK: Tuesday	CONTRACT DAY NO: 51 OF 215
SWIN FINAL S EXPANSIO	77 - 3	CONT	PACTOR IN	FORMATION		1NO. 51 OF 215
CONTRACTOR: COMANCO						<u> 1. julius (1986), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius (1996), 1. julius </u>
		Sod delivery only				
				<del></del>	IS. NEW YORK WATIME	(AM/PM)
0	PERATI	ON AND LOCATION	ON:			ENDING
New haul road shoulder sod	,.,	And the second of the second of		<u>ann an Aire</u> (1965) an Aire an	7:00 AM	77 (234),2 <b>11,10,110</b>
<u> </u>	-					+
PERSONNEL	NO	HOURS		M	IATERIALS RECEIVED	
SUPERVISOR	1	WORKED	ARABITATION STOR	<u>62 02000-555</u>		
FOREMAN	1 1	+ +	<del></del>			
SKILLED	3	<del> </del>				
TRUCK DRIVERS		+ +			•	<del></del>
LABOR		†				
TRAINEE	-	1			<del> </del>	
GEOTECHNICAL TECH		1				
		⊬ EQU		色 むしょうしんりしょう ゴェウ		
A IDULL DOZED	Α.	1,000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A Silver I and the second	A	
BULLDOZER  1 FRONT END LOADER		SURVEYING EC		<del> </del> -		
1 FRONT END LOADER 1 GENERATOR	1	GPS BASE STA	.HON			
PUMP	+	+	<del></del>	<del></del>		
ROLLER, STEEL WH	FEL	<del>                                     </del>	-+	-		
TRACTOR, SKID STE		†		<del>                                     </del>		
TRUCK, DUMP		1		1		
2 TRUCK, PICKUP		1		<b>1</b>		
TRUCK, WATER						
TRUCK, FUEL	$\Box$					
TRACKHOE		<u> </u>				
Pina Carre del Care de la care de la compaña de la compaña de la compaña de la compaña de la compaña de la comp	en BRV a SAN	CONTRACT	OUANITITY I	NODE SCECIE	ankv. Den samene en	arma kilo ( ) ( ) e4 ( tomberos steedo) ( tito
ITEM NO.	ITEM	CONTRACT	QUANTITY	NCHEASES II	REMARKS AND CALC	LII ATIONS
TIEWINO.	11 1-141	<del></del>	MAIIII	3 pallets	NEIMANNO MITO OALO	ULATIONS
36 SOD			133.3 sy	panete		
			100.0 0,			
				1		
				•		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/24/2010	Tuesday	NO: 51 OF 215
WEATHER CONDITIONS: [	CLEAR PARTL	Y CLOUDY X HEA	VY CLOUDS	FOG
TEMPERATURE:	<u> </u>	. <u>.</u>	ATURE RESTRICTION SPECIFICATION NO:	
	X NONE SLIGHT ND SPEED: MP	STRONG  WIND DIRECTION:	ws	w
-		ART: 8:00 AM	X SHOWERS END: 2:30 PM END:	3 inches
RAIN DURATION:	0-2 HRS X 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	FAIR	x POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	X EXTREMELY WE	T	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	en and the second
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
Laying sod at haul road shoulde	r		х	
	_ 🗆			
	_ 🗆			
	_ 🗆			
NUMBER OF PHOTO:	erren kund karenda bertaran bertaran bertaran bertaran bertaran bertaran bertaran bertaran bertaran bertaran b	O INFORMATION:		
		TO ID NUMBERS		
1749-1750				
<u> </u>				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	Contract Day 51 of
SWM PHASE 3 EXPANSION	ITB 040-10	8/24/2010	Tuesday	215

moved loader to new haul road and	d began laying the three pa	r held safety briefing and discussed work allets of sod that were delivered yesterday . Running county pumps to dewater expa	. Completed laying three
·			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS

FROM 6:30 TO 11:00 4.5

08/24/10

Kurt Peterson



		DE	SCRIPTION (	OF WORK			
CONTRACT NAME:	c	ONTRACT NO:	DATE:		DAY OF WE	K:	CONTRACT DAY
SWM PHASE 3 EXPANS	ION	ITB 040-10		8/25/2010	Wednes	day	NO: 52 OF 215
		CONT			F 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A s A s s	
CONTRACTOR: COMANG	CO ENVI	RONMENTAL CON	STRUCTION	CORPORATI	ÖN		
SUBCONTRACTORS: N	lorth Lak	e Sod delivery only					
		•					
						<u>-</u> .	
						TIME (/	AM/PM)
	<b>OPERA</b>	TION AND LOCATI	ON		BEGINN	IING	ENDING
New haul road shoulder soo	l				11:45	AM	3:45 PM
PERSONNEL	NO	HOURS			ATERIALS RECE	IVED	
		WORKED					
SUPERVISOR							
FOREMAN				•	01.07		
SKILLED					2 left in am		
TRUCK DRIVERS							· · ·
LABOR							
TRAINEI					<del></del>		
GEOTECHNICAL TECH							
		FOI	UPMENT (AC	TIVE/IDLE)		5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
A		Α					
BULLDOZER		SURVEYING E		<u></u>			
1 FRONT END LOAD	ER	GPS BASE STA	ATION				
1 GENERATOR							
PUMP							
ROLLER, STEEL V	/HEEL						
TRACTOR, SKID S	TEER						
TRUCK, DUMP							
2 TRUCK, PICKUP							
TRUCK, WATER							
TRUCK, FUEL							
TRACKHOE							

			NCREASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
	·		4 pallets
36	SOD	177.78 sy	
	-		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	8/25/2010	Wednesday	NO: 52 OF 215
WEATHER CONDITIONS:	CLEAR PARTE	Y CLOUDY X HEA	VY CLOUDS	FOG
TEMPERATURE:		. <u> </u>	RATURE RESTRICTION SPECIFICATION NO:	
WIND: W	NONE X SLIGHT IND SPEED: 5 MF	STRONG WIND DIRECTION:	ws	W
		ART: AM	X SHOWERS END: 11:45 AM END: me	1 inch easured 8/26 at 6:30
RAIN DURATION:	□ 0-2 HRS □ 2-4 HRS	x 4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	FAIR	x POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	x EXTREMELY WE	ΞT	
er er er mind <b>ys</b> ik	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
Laying sod at haul road should	er		×	
NUMBER OF PHOTO	Separat State Control of the Basic School of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Co	O INFORMATION:		
	РНО	TO ID NUMBERS		
1751-1756				
<u> </u>				
<u> </u>			<del> </del>	
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/25/2010	Wednesday	NO: 52 OF 215

			HOURS AT JO		TOTAL HOURS
sy.					
	Comanco readying the	r parripo, and mang a	ode or oreers, and tay		
11:30am till 3:45pm.	Company randying the	r numns, and fixing at	eas of erosion after lay	/ing sod. Today laye	ed 4 pallets or 177.78
pallets at about 3:15	nat started early in am.  pm with three men. Ru	nning county pumps to	dewater expansion ar	rea. On site from 6:3	30 am to 7:15, back at ed 4 pallets or 177.78

08/25/10 FROM 6:30 TO 3:45 5

Kurt Peterson



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CONTRACT NAME:	1		TRACT NO:		ATE:	(0010	DAY OF V		CONTRACT DAY
SWM PHASE 3 EXPANS	ION	5.5.5	ITB 040-10	NTDACT	8/26	/2010	Int	ırsday	NO. 53 OF 215
CONTRACTOR: COMAN							M	<u> </u>	<u> </u>
UBCONTRACTORS:	JO LIV	VIIIOI	WILLIAL CC		STION CO	III ONATIO	14		
000000000000000000000000000000000000000									
								TIME	(AM/PM)
	OPER	ATIO	N AND LOCA	TION				INNING	
XPANSION AREA								00 AM	9:00 AM
IEW HAUL ROAD							11:	45 AM	6:15 AM
· · · · · · · · · · · · · · · · · · ·									
a Brance, Arcid		827.08 F	HOUDE		No. of No. of N	60 a gl (5 c)	Alle Section States	15. W. H. W. H.	un i ne desagna de de la compaña
PERSONNEL	N	o	HOURS	The Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract o		MA	TERIALS RE	CEIVED	
SUPERVISO	1   12   15   1		WORKED	<u>"   2   12   3 \/ 2</u>		jajust Afrik	u de Taffeld III i la désacat		<u> Kirket Problem i se se po</u>
FOREMA				+					
SKILLE			<del></del>				-		
TRUCK DRIVER		<del></del>							
LABO			<del> </del>	<del></del>					
	=								
TRAINE	<b>⊑</b>								
TRAINE GEOTECHNICAL TECH									
								· ·	- <del> </del>
GEOTECHNICAL TECH			E(	QUIPME	NT (ACTIVI	E/IDLE)			
GEOTECHNICAL TECH		Α			A	E/IDLE)		A	
GEOTECHNICAL TECH  A  BULLDOZER		A .	SURVEYING	EQUIPM	A	E/IDLE)		<b>A</b>	
A BULLDOZER  1 FRONT END LOAK		A .		EQUIPM	A	E/IDLE)		A	
A BULLDOZER 1 FRONT END LOAD 1 GENERATOR		A .	SURVEYING	EQUIPM	A	E/IDLE)		<b>A</b>	
A BULLDOZER 1 FRONT END LOAD 1 GENERATOR PUMP	DER	A .	SURVEYING	EQUIPM	A	E/IDLE)		A	
A  BULLDOZER  1 FRONT END LOAI  1 GENERATOR PUMP ROLLER, STEEL I	DER VHEEL	A .	SURVEYING	EQUIPM	A	E/IDLE)		<b>A</b>	
A  BULLDOZER  1 FRONT END LOAI  1 GENERATOR PUMP ROLLER, STEEL II TRACTOR, SKID S	DER VHEEL	A .	SURVEYING	EQUIPM	A	E/IDLE)		<b>A</b>	
A  BULLDOZER  1 FRONT END LOAI  1 GENERATOR PUMP ROLLER, STEEL N TRACTOR, SKID S TRUCK, DUMP	DER VHEEL	A .	SURVEYING	EQUIPM	A	E/IDLE)		A	
BULLDOZER  1 FRONT END LOAI  1 GENERATOR PUMP ROLLER, STEEL I TRACTOR, SKID S TRUCK, DUMP  2 TRUCK, PICKUP	DER VHEEL	A .	SURVEYING	EQUIPM	A	E/IDLE)		A	
BULLDOZER  1 FRONT END LOAI  1 GENERATOR PUMP ROLLER, STEEL V TRACTOR, SKID S TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER	DER VHEEL	A .	SURVEYING	EQUIPM	A	E/IDLE)		<b>A</b>	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/26/2010	Thursday	NO. 53 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:			ATURE RESTRICTION SPECIFICATION NO	
<u>-</u>	NONE X SLIGHT ND SPEED: 7 MP	STRONG "H WIND DIRECTION:		W
1		ART: AM	X SHOWERS END: END:	3" after 5pm
RAIN DURATION: [	0-2 HRS x 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENT GOOD	FAIR	x POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	DRY X WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF WO	
Draing areas of expansion	x		х	
Working on punch list items for haul road	×			
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NUMBER OF PHOTOS	skrigerijans afrekles op i not hav i notest, betransk i bit i stat vist i	O INFORMATION:		
	PHO ¹	TO ID NUMBERS		
1757-1770				
			<del> </del>	
				- "
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/26/2010	Thursday	NO. 53 OF 215

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Crew working in cell pumping stormwater with county pumps from yesterdays rain event. PSI on site retrieving samples for soil analysis. Held walk thru with County, and Engineer on haul road. Held progress meeting #7. Held walk thru with Contractor, County, and Engineer. Developed punch list and photographed items to be completed on punch list, items noted were as follows:

- 1. Stabilize north side of the ditch (the entire length of the ditch).
- All areas where exposed waste is shown is considered as leachate; those areas need to be covered immediately per Specifications and Permit.
- Add sod to washout areas south of the access road. As discussed these areas will be addressed once they are dry and will be reestablished with compacted soils and new sod.
- 4. Address all areas where the liner anchor trench is missing on the north side of the ditch. Those areas need to be reestablished to stop any undermining beneath the liner.
- 5. Address all areas where the asphalt is cracking and sloughing off; areas where asphalt was placed over the liner; those areas need to be stabilized to stop any undermining beneath the liner and the road.
- 6. Address the section of ditch that appears to be ponding water due to its flatness.

	7.	Add sod to	the	missina	areas	along	the	shoulder	of	the	access	road.
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PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/26/10	FROM 6:30 TO 6:00	11.5



		DE	SCRIPTION	OF WORK	1.5	
ONTRACT NAME:		ITRACT NO:	DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION				8/27/2010	Friday	NO. 54 OF 215
		CONT				
CONTRACTOR: COMANC				N CORPORATION	NC	
UBCONTRACTORS: Dia	amond Tra	ansport, North Lk	e Sod			
			•			
						E (AM/PM)
	PERATIC	ON AND LOCATI	ON		BEGINNING	ENDING
EW HAUL ROAD					7:00 AM	
ewatering with County Pum	os				on and off	
PERSONNEL	NO	HOURS		М	ATERIALS RECEIVED	
	KLEAT EU	WORKED				
SUPERVISOR	1					
FOREMAN						
SKILLED	3					
TRUCK DRIVERS	2				Diamond Transport	····
LABOR	3	<u> </u>			North Lake Sod	
TRAINEE	3				North Lake Sod	
	3				North Lake Sod	
TRAINEE	3				North Lake Sod	
TRAINEE GEOTECHNICAL TECH	2 1 4 Ve 1	EQL	JIPMENT (AC	CTIVE/IDLE)		
TRAINEE GEOTECHNICAL TECH	2 1 4 Ve 1			CTIVE/IDLE)	North Lake Sod	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/27/2010	Friday	NO. 54 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	HIGH	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT ND SPEED: 6 MP	STRONG PH WIND DIRECTION:	N	E
ī	ND RAINFALL: ST	ART:		rain in early am and late night .22"
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	x FAIR	x POOR	BAD
DURATION OF DURATION OF CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY X WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF W	
Draing areas of expansion	X		х	
Working on punch list items for haul road	_ x			
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NUMBER OF PHOTOS	elial TVA or Tools rather that have hoped by the rain-ship fields to	O INFORMATION:		
	PHO	TO ID NUMBERS		
1792-1809				
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VISITORS:				



I	CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
١	SWM PHASE 3 EXPANSION	ITB 040-10	8/27/2010	Friday	NO. 54 OF 215

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Crew working in cell pumping stormwater with county pumps from yesterdays rain event. PSI on site retrieving samples for soil analysis. Held walk thru with County, and Engineer on haul road. Held progress meeting #7. Held walk thru with Contractor, County, and Engineer. Developed punch list and photographed items to be completed on punch list, items noted were as follows:

- 1. Stabilize north side of the ditch (the entire length of the ditch).
- 2. All areas where exposed waste is shown is considered as leachate; those areas need to be covered immediately per Specifications and Permit.
- 3. Add sod to washout areas south of the access road. As discussed these areas will be addressed once they are dry and will be reestablished with compacted soils and new sod.

Kurt Peterson	08/27/10	FROM 6:30 TO 0:00	11.5
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS 11.5
DDO IFOT INODECTOR.	DATE	HOUDE AT JOB SITE	TOTAL HOURS
	· <del></del>		
All items completed with exception			
7. Add sod to the missing areas alo			
need to be stabilized to stop any un 6. Address the section of ditch that			
		areas where asphalt was placed ove	r the liner; those areas
stop any undermining beneath the I	liner.		
4. Address all areas where the liner	r anchor trench is missing on the r	ionin side of the ditch. Those areas r	need to be reestablished to

	* - + -			DE	SCRIPTIC	N OF WORK	mai .		
	TRACT NAME: 'M PHASE 3 EXPA		ONT	RACT NO: ITB 040-10			DAY OF WE Sature		CONTRACT DAY NO: 55 OF 215
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/28/2010	Saturday	NO: 55 OF 215
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	88 HIGH 74	_LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	<b>1</b>
	NONE SLIGHT IND SPEED: MF	STRONG  SH WIND DIRECTION:	Not rec	orded
RAIN:			SHOWERS END: END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50%  OF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ΞΤ	
	EFFECTS OF WEA	THER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR	
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VISITORS:				

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/28/2010	Saturday	NO: 55 OF 215

GENERAL COMMENTS:	Comanco not onsite.	No work planned or performed.
:		

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SIT	TOTAL HOURS	
Kurt Peterson	08/28/10	FROM 0:00 TO	O 0:00	0

			•	DE	SCRIPTIO	N OF WORK			
CONTRACT NAME: SWM PHASE 3 EX			TRACT NO				,	DAY OF WEEK: Sunday	CONTRACT DAY NO: 56 OF 215
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CONTRACTOR: CO			NMENTAL	CON	STRUCTION	ON CORPORA	TION		
SUBCONTRACTORS	S:								
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No work performed	· Algeria Aron En	AIIO	II AND LO	<u> </u>	011	<u> </u>	10 - w11 (	DEGINITING.	S S. C. C. C. C. C. C. C. C. C. C. C. C. C.
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	LABOR								
	RAINEE							<del></del>	
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Α	<u> </u>						#68	Α	
BULLDOZEF			SURVEYI			all idle			
FRONT END			GPS BASE	E STA	TION				
GENERATO	R		BROOM						
PUMP			ASPHALT						
	EEL WHEEL		TRAFFIC	ROLL	ER				
TRACTOR, S									
TRUCK, DUI									
TRUCK, PIC									
TRUCK, WA									
TRUCK, FUE	EL								
TRACKHOE									
经各种证据 医电视管管	诗词 经银票券		CONTR	RACT	QUANTIT	Y INCREASES	TODA	Υ	William Park Roll
ITEM NO.	1	ГЕМ		(	YTITHAUC		RE	MARKS AND CALC	ULATIONS
						no work į	perform	ed	
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CONTRACT NAME:	ONTRACT NAME: CONTRACT NO: [		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/29/2010	Sunday	NO: 56 OF 215
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	86 HIGH 77	_LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	□NONE □SLIGHT IND SPEED: MF		Not rec	orded
		TART:	SHOWERS END: END:	not recorded .03 inches
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ΞΤ	
	EFFECTS OF WEAT	THER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR	
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NUMBER OF PHOTO	entropies de la company de la company de la company de la company de la company de la company de la company de	O INFORMATION:		
	РНО	TO ID NUMBERS		
<u> </u>				
VISITORS:		15 Marie .		

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/29/2010	Sunday	NO: 56 OF 215

GENERAL COMMENTS:	Comanco not onsite.	No work planned or perf	ormed.		
PROJECT INSPECTOR:	DATE	:	HOURS AT JOB		TOTAL HOURS
Kurt Peterson		08/29/10	FROM 0:00	_TO <u>0:00</u>	0



CONTRACT NAME: SWM PHASE 3 EXPANSIO			CRIPTION OF WORK		 
SWIN PRASE 3 EXPANSIC				DAY OF WEEK: Monday	i i
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CONTRACTOR: COMANCO	ENVIR(	DIMENTAL CONS	TRUCTION CORPOR	ATION	
UBCONTRACTORS:	LIVIII	STAINE TO THE	THOUTION CON CIT	711011	
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VI. 12.21 41.42.1 24.0 41. 11. 11. 11. 11.		ON AND LOCATIO	N	BEGINNIN	G ENDING
igging sump at NW corner o	f cell			7:00 AM	5:45 PM
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PERSONNEL	NO	HOURS		MATERIALS RECEIVE	D
SUPERVISOR	<u> </u>	WORKED	n Post filler (Maj Chromingel) (		
FOREMAN	1	<del> </del>	<del></del>		
SKILLED	3				
TRUCK DRIVERS		<del>                                     </del>	· · · · · · · · · · · · · · · · · · ·		
LABOR	-				
TRAINEE					
GEOTECHNICAL TECH					
•				·	
		EQUI	PMENT (ACTIVE/IDLE		
A	Α		A	Α	
1 BULLDOZER		SURVEYING EQ			
1 FRONT END LOADE	<b>⊣</b>	GPS BASE STAT	TION		
1 GENERATOR					
PUMP					
ROLLER, STEEL WH					
	ER				
TRACTOR, SKID STE					
TRACTOR, SKID STE		ļ.			
TRACTOR, SKID STE TRUCK, DUMP 2 TRUCK, PICKUP		-			
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TRACTOR, SKID STE TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL					
TRACTOR, SKID STE TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER					
TRACTOR, SKID STE TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	2.4.22.52	CONTRACT	DUANTITY INCREASE	STODAY	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	N ITB 040-10	8/30/2010	Monday	NO. 57 OF 215
WEATHER CONDITIONS:	CLEAR X PART	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:			RATURE RESTRICTION SPECIFICATION NO	
WIND: V	NONE X SLIGHT VIND SPEED: 6 M	STRONG PH WIND DIRECTION:	N	E
RAIN:	2ND RAINFALL: S	TART:		rain in early am and late night .22"
RAIN DURATION:	x 0-2 HRS 2-4 HRS		ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	T	
	EFFECTS OF WEA	THER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL  MS DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF WO	
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	PHC	TO ID NUMBERS		
1792-1809				
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<b>L</b>				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/30/2010	Monday	NO. 54 OF 215

began digging sump in Northwes	t area of landfill for stormwater recov	afety briefing and discussed work plan f very. Dozer stockpiling soil west of old l rned over new haul road at 11 am to Co	naul road to build ramp
<u> </u>			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/30/10	FROM 6:30 TO 6:00	11.5



	DESCF	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/31/2010	Tuesday	NO. 58 OF 215
	CONTRAC	CTOR INFORMATION		HI GARAGA HARA
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTF	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport			
-				
			TIME (A	M/PM)
OPEF	RATION AND LOCATION	新说道法: 医多种	BEGINNING	ENDING
Excavation of cut west of old haul	road		7:00 AM	5:45 PM
Fill east of old haul road			1:00 PM	5:45 AM
· · · · · · · · · · · · · · · · · · ·				
		•	3,,	·

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN			
SKILLED	3	11.5	
TRUCK DRIVERS	3	8	Trucks 7:30 to 3;30
LABOR			
TRAINEE			
GEOTECHNICAL TECH			

	Α		Α	EQUIPMENT (	ACTI A	VE/IDLE)	A	
	1	BULLDOZER		SURVEYING EQUIPMEN				
	1	FRONT END LOADER		GPS BASE STATION				
	1	GENERATOR						
		PUMP						
		ROLLER, STEEL WHEEL						
Г		TRACTOR, SKID STEER		,				
	3	TRUCK, DUMP				<del>"</del>		
	2	TRUCK, PICKUP						
Г		TRUCK, WATER						
		TRUCK, FUEL						
	1	TRACKHOE						

CONTRACT QUANTITY INCREASES TODAY					
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS		
			76 X 18CY		
#6	CUT	1368 CY	,		
			60 X 18CY		
#7	FILL	1080 CY			
L					
L					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	_CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	8/31/2010	TUESDAY	NO. 58 OF 215
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	90 HIGH 72	- Ш	RATURE RESTRICTIO SPECIFICATION NO	
WIND: W	NONE X SLIGHT IND SPEED: 9 MF	STRONG PH WIND DIRECTION:	1	NE .
	2ND RAINFALL: ST		X SHOWERS END: END:	rain in early am and late night .22"
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	THER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MC THAN 50% OF W	
Item #7 FILL	х			
item #6 CUT	X			
	_ 🗆			
NUMBER OF PHOTO		O INFORMATION:		
	PHO	TO ID NUMBERS		
1814-1821				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/31/2010	TUESDAY	NO. 58 of 215

GENERAL COMMENTS: Comanco ons began making cuts west of haul road and and used as fill. Began constructing rete	d loading out three tri-axle trucks	. Materials were hauled to make ra	mp east of old haul road
PROJECT INSPECTOR: Kurt Peterson	DATE: 08/31/10	HOURS AT JOB SITE FROM 6:30 TO 6:00	TOTAL HOURS 11.5



		DES	CRIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION		ITRACT NO: ITB 040-10	DATE: 9/1/2010	DAY OF WEEK: Wednesday	CONTRACT DAY NO. 59 OF 215
			RACTOR INFORMATION		an walle an Appell on the Co.
CONTRACTOR: COMANCO					
SUBCONTRACTORS:		-			
		_			
				· · · · · · · · · · · · · · · · · · ·	
				TIME (/	
OF				BEGINNING	ENDING
Building lined retention area southeast corner of expansion area				7:00 AM	5:45 PM
Removal of asphalt on old haul	road			1:00 PM	5:45 AM
· · · · · · · · · · · · · · · · · · ·					<u></u>
524090 980 980 980 980 980 980 980 980 980	Access to the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control	Les nonne se les	Mark Control (1997)	maan il Saassa kandatan had	nang gayawa musika da karabaya
PERSONNEL	NO	HOURS WORKED	MA [*]	TERIALS RECEIVED	
SUPERVISOR	1	11.5			
FOREMAN					
SKILLED	3	11.5			
TRUCK DRIVERS					
LABOR					
TRAINEE					<u>.</u>
GEOTECHNICAL TECH					<u></u>
		<u> </u>		<del></del>	
			DESCRIPTION OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE	Authorities of National Late Control	Jer Breit California II. J. 1919
		EQUI	PMENT (ACTIVE/IDLE)		
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A BULLDOZER		EQUII SURVEYING EQ	Α	A	
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		BULLDOZER		SURVEYING EQUIPMEN	
Γ	1	FRONT END LOADER		GPS BASE STATION	
	1	GENERATOR			
		PUMP			
		ROLLER, STEEL WHEEL			
Γ		TRACTOR, SKID STEER			
	2	TRUCK, DUMP		7	
	2	TRUCK, PICKUP			
Γ		TRUCK, WATER			
		TRUCK, FUEL			
	1	TRACKHOE			

	CO CO	NTRACT QUANTITY II	NCREASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#5	Demolition	5%	removal old asphalt haul road
		· · · · · · · · · · · · · · · · · · ·	
			-



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/1/2010	Wednesday	NO. 59 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	90 HIGH 72	LOW TEMPER	RATURE RESTRICTI SPECIFICATION I	
WIND: [ WI	NONE X SLIGHT ND SPEED: 9 MP	STRONG "H WIND DIRECTION:		NE
1	ND RAINFALL: ST	ART:	X SHOWERS END: END: g hours	rain in early am and late night .22"
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF 2 ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	T	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED M THAN 50% OF	
Item #5 demolition	х			
	- 🗆			
NUMBER OF PHOTOS	TAICES	DINFORMATION:		
	РНОТ	O ID NUMBERS		
1822-1832				
	<del></del>			
VISITORS:				



CONTRACT NAME: CONTRACT NO:		DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/1/2010	Wednesday	NO. 59 of 215

GENERAL COMMENTS: Comanco continued building lined retention are	ea in southeast corner of expansion	n area. Crew lined with liner and ba	llasted with recovered
broken asphalt. Excavator began re	emoving old asphalt on old haul roa	d and stockpiling, as part of pay iter	n #5
	<del></del>		<del></del>
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS

09/01/10

Kurt Peterson

FROM 6:30 TO 6:00 11.5



	DESC	RIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 9/2/2010	DAY OF WEEK: THURSDAY	CONTRACT DAY NO. 60 OF 215
	CONTRA	ACTOR INFORMATION		A MARKAGE TO COMPANY
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONST	<b>RUCTION CORPORATION</b>		
SUBCONTRACTORS:				
			TIME (A	M/PM)
OPEI	RATION AND LOCATION		BEGINNING	ENDING
Building lined retention area south	neast corner of expansion	area	7:00 AM	5:45 PM
Removal of asphalt on old haul ro	ad 5%		1:00 PM	5:45 AM
Moving pumps and hoses to area	s for pumping			1
				· · · · · · · · · · · · · · · · · · ·

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN			
SKILLED	3	11.5	
TRUCK DRIVERS			
LABOR			
TRAINEE			
GEOTECHNICAL TECH			

	Α		Α	EQUIPMENT (	ACT A	VE/IDLE)	Α.	
Т	1	BULLDOZER		SURVEYING EQUIPMEN				
Γ	1	FRONT END LOADER		GPS BASE STATION				
	1	GENERATOR					1	
Γ		PUMP						
		ROLLER, STEEL WHEEL						
Γ		TRACTOR, SKID STEER						
Γ		TRUCK, DUMP					1	
	2	TRUCK, PICKUP					Ì	
Γ		TRUCK, WATER					i i	
		TRUCK, FUEL						
Γ	1	TRACKHOE				-	1	1

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ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
			removal old asphalt haul road
#5	Demolition	5%	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/2/2010	Thursday	NO. 60 OF 215
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	88 HIGH <u>68</u>	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
WIND:   W	NONE X SLIGHT IND SPEED: MF		not rec	orded
:	2ND RAINFALL: ST	ΓART:	SHOWERS END:	
RAIN DURATION:	Not recorded as rain ox 0-2 HRS 2-4 HRS	occurred during non-working  4-6 HRS	g hours  ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	THER ON MAJOR WORK I	TEMS	
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Item #5 demolition	x			
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/2/2010	Thursday	NO. 60 of 215

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Excavator continued building lined retention area in southeast corner of expansion area. Crew continued placement of liner in retention area southeast of expansion and continued placing ballast from recovered broken asphalt. Excavator began removing old asphalt on old haul road and stockpiling, as part of pay item #5. Loader moved additional asphalt to retention area. Commanco alsobuilt lined flume southwest of expansion to outfall in west sump in expansion area. Commanco then placed pumps in these sump areas. Held progress meeting #8 with County, Contractor and Engineer. Commanco brought up the following: • Road coming into the Phase 3 cell Comanco indicated concerns that the south access road into the Phase 3 cell would have a 23 ft drop at the location of the liner tie-in with Phase 2 and the new Phase 3 cell. Comanco indicated that the existing road on the south side would have to be demolished and relocated. After the meeting we went to the site to discuss what Comanco is proposing to do to remediate the 23 ft drop. SCS will provide direction once the liner is located.

PROJECT INSPECTOR:	DATE:	HOURS	AT JOB	SITE		TOTAL HOURS
Kurt Peterson	09/02/10	FROM	6:30	_TO	5:30	11



CONTRACT NAME: SWM PHASE 3 EXPANSION			CRIPTION OF	WORK	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	
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12.00		ITB 040-10	9/3	/2010	FRIDAY	NO. 61 OF 215
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loving pumps and noses to a	areas ioi	pumping			7.00 AIVI	12:00 AM
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LABOR						
TRAINEE						
GEOTECHNICAL TECH						
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	ITB 040-10 9/3/2010		NO. 61 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	91 HIGH 70	LOW TEMPER	RATURE RESTRICTION NO	
	NONE X SLIGHT ND SPEED: MP	STRONG PH WIND DIRECTION:	not re	corded
1	ND RAINFALL: ST	ART:	SHOWERS END:	
RAIN DURATION: [	Not recorded as rain of x 0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	g nours  ALL DAY	
WORKING CONDITIONS: [	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	x DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MC THAN 50% OF W	
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/3/2010	FRIDAY	NO. 61 of 215

GENERAL COMMENTS	Comanco onsite at 6:30 am. Super	held safety briefing and discussed work plan	n for today. Crew
continued placement of p	oumps and hoses in retention areas.	Pumps not operational until additional hoses	s and fittings are delivered
			j
DDO ISOT WISSESTEE			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS

FROM 6:30 TO 10:30

09/03/10

Kurt Peterson

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CONTRACT NAME: SWM PHASE 3 EXPANSIO				9/4/2010	DAY OF WEEK: Saturday	CONTRACT DAY NO: 62 OF 215
SWM FILAGE 3 EXPANSION			ITRACTOR IN	EORMATION	Saturday	
CONTRACTOR: COMANC	O ENVIE	RONMENTAL CO	NSTRUCTION	L CORPORATION	)NI	
SUBCONTRACTORS:	O LITTII	IOI WILLIAM CO	11001101	TOOTH OHATIC	// · · · · · · · · · · · · · · · · · ·	
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					·	<del></del> .
					TIME	(AM/PM)
	PERAT	ION AND LOCAT	ION		BEGINNING	
No work performed		· · · · · · · · · · · · · · · · · · ·		**************** <u>*********************</u>	<u> </u>	ACTION CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONT
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		CONTRACT	CQUANTITY	NCREASES TO	DAY	the state that I will be set the
ITEM NO.	ITEN	1	QUANTITY		REMARKS AND CALC	ULATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	!	9/4/2010	Saturday	NO: 62 OF 215
WEATHER CONDITIONS:	X CLEAR	PARTLY CLOUE	Y HE	AVY CLOUDS	FOG
TEMPERATURE:	93 HIGH	71 LOW	TEMPE	RATURE RESTRICTION SPECIFICATION NO	
WIND:	NONE SLIND SPEED:		STRONG ND DIRECTION	: Not red	orded
	X NONE LIG 1ST RAINFALL: 2ND RAINFALL:	GHT  START: START:	HEAVY	SHOWERS END: END:	
RAIN DURATION:	X 0-2 HRS 2-4	4 HRS 4	-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX	DOD [F	AIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	X ACCEPTABLE ALL DAY	MORE THA		ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY W	ET E	XTREMELY WE	ĒΤ	
	EFFECTS OF	WEATHER ON	MAJOR WORK	ITEMS	
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VISITORS:					

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/4/2010	Saturday	NO: 62 OF 215

GENERAL COMMENTS:	Comanco not onsite.	No work planned or perf	ormed.	
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PROJECT INSPECTOR:	DATI	<u>:</u>	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson		09/04/10	FROM 0:00 TO 0:00	0

			ESCRIPTION	OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSI		NTRACT NO: ITB 040-10		9/5/2010	DAY OF WEEK: SUNDAY	CONTRACT DAY NO: 63 OF 215
	, and a second	CON	ITRACTOR II	FORMATION		
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	OPERAT	ION AND LOCAT	TION			
No work performed	-,,,-		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	<u> </u>	<u>,, , , , , , , , , , , , , , , , , , ,</u>	5,10,00
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PERSONNEL	NO	WORKED		M	ATERIALS RECEIVED	
SUPERVISOR	10 S (\$40 - 10 L)2	WONKED		<u> </u>		
FOREMAN	<b> </b>				•	
SKILLED			<del> </del>	<b></b> -		
TRUCK DRIVERS			<del> </del>		<del></del>	
LABOR		<del></del>	ļ			
TRAINEE		+	<del> </del>			
GEOTECHNICAL TECH		+	<u> </u>		<del></del>	
GEOTECHNICAL TECH			<u> </u>			
A BULLDOZER	<b>A</b>	SURVEYING E		CTIVE/IDLE)  A  [all idle	A	
FRONT END LOADE	R	GPS BASE ST	ATION			
GENERATOR		BROOM				
PUMP		ASPHALT SPI	READER			
ROLLER, STEEL WI	HEEL	TRAFFIC ROL				
TRACTOR, SKID ST						
TRUCK, DUMP						
TRUCK, PICKUP	$\neg$	<del></del>				
TRUCK, WATER		<u> </u>				-
TRUCK, FUEL		-				
TRACKHOE		<del>-</del>	-			
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	Tangga 1	CONTRACT	QUANTITY	INCREASES TO	ODAY	
ITEM NO.	ITEM		QUANTITY		REMARKS AND CALC	
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CONTRACT NAME:  SWM PHASE 3 EXPANSION	ITB 040-10	DATE: 9/5/2010	DAY OF WEEK: SUNDAY	CONTRACT DAY NO: 63 OF 215
SWIN PRASE 3 EXPANSION	116 040-10	9/5/2010	L SUNDAY	1NO: 63 OF 215
-	_	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	84 HIGH <u>73</u>	. <u> </u>	RATURE RESTRICTION SPECIFICATION NO:	
	NONE SLIGHT OF SPEED: MP	STRONG 'H WIND DIRECTION:	Not rec	orded
1		ART:	SHOWERS END: END:	
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	T	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
<b>P</b> /				
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NUMBER OF PHOTOS	defends with a service of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the server of the	O INFORMATION:		
	PHO	O ID NUMBERS		
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VISITODS:				
VISITORS:				

	CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
1	SWM PHASE 3 EXPANSION	ITB 040-10	9/5/2010	SUNDAY	NO: 63 OF 215

GENERAL COMMENTS:	Comanco not onsite.	No work planned or performed.
		•

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE TOTAL HOURS	
Kurt Peterson	09/05/10	FROM 0:00 TO 0:00 0	0:00 0

			· · · · · · · · · · · · · · · · · · ·			WORK			
CONTRACT NAME: SWM PHASE 3 EXI	PANSION	COI	NTRACT NO ITB 040-	: 10	DATE:	6/2010	l l	WEEK: ONDAY	
	1.4	٠		ONTRAC	TOR INFO				er en er er en en en
CONTRACTOR: CO								<u> </u>	
SUBCONTRACTORS					, , , , , , ,	<u> </u>			·
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				<del></del>					<del>,</del>
							2-380 GT : FWA	TIME.	(AM/PM)
	ODE	DATI	AND LO	CATION					(AW/PW) ENDING
No work performed	OPE	naii	N AND LO	JAHON			DEC	IINNING	ENDING
no work perioritieu						<del></del>	<del></del>		
<del></del>							_		
The respective to the state of the		. 10	Lieups			o and the second	gist vila, university views	21 S N 96 Retro - 10.	turna e u leitar i i talum nuesta 77 itali
PERSONNEL		NO -	HOURS			M/	TERIALS RE	CEIVED	
	40% (35% X440	138, 50	WORKE	יע		THE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH	Established a set		
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GEOTECHNICAL	TECH								
		Α.		EQUIPME	NT (ACTI	VE/IDLE)	1. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18 E. 18		
BULLDOZER		A	SURVEYIN	G EQUIPN	MEN	<b>VE/IDLE)</b> all idle		Á	
BULLDOZER FRONT END I	LOADER	A	SURVEYIN GPS BASE	G EQUIPN	MEN			A	
BULLDOZER FRONT END I GENERATOR	LOADER	A	SURVEYIN GPS BASE BROOM	G EQUIPN STATION	MEN I			A	
BULLDOZER FRONT END I GENERATOR PUMP	LOADER		SURVEYIN GPS BASE BROOM ASPHALT	G EQUIPM STATION SPREADE	MEN I			A	
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE	LOADER	L	SURVEYIN GPS BASE BROOM	G EQUIPM STATION SPREADE	MEN I			A	
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI	LOADER	L	SURVEYIN GPS BASE BROOM ASPHALT	G EQUIPM STATION SPREADE	MEN I			A	
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM	LOADER EEL WHEE KID STEEF	L	SURVEYIN GPS BASE BROOM ASPHALT	G EQUIPM STATION SPREADE	MEN I			A	
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK	LOADER  EEL WHEE KID STEEF P TUP	L	SURVEYIN GPS BASE BROOM ASPHALT	G EQUIPM STATION SPREADE	MEN I			A	
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT	LOADER EEL WHEE KID STEEF P UP ER	L	SURVEYIN GPS BASE BROOM ASPHALT	G EQUIPM STATION SPREADE	MEN I			A	
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL	LOADER EEL WHEE KID STEEF P UP ER	L	SURVEYIN GPS BASE BROOM ASPHALT	G EQUIPM STATION SPREADE	MEN I			A	
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT	LOADER EEL WHEE KID STEEF P UP ER	L	SURVEYIN GPS BASE BROOM ASPHALT	G EQUIPM STATION SPREADE	MEN I			A	
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	LOADER EEL WHEE KID STEEF P UP ER	i i	SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	MEN	all idle			
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER		SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R NTITY INC	all idle	DAY		
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER	i i	SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R R	all idle	DAY REMARKS A		
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER		SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R R	all idle	DAY REMARKS A		
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER		SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R R	all idle	DAY REMARKS A		
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER		SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R R	all idle	DAY REMARKS A		
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER		SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R R	all idle	DAY REMARKS A		
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER		SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R R	all idle	DAY REMARKS A		
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER		SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R R	all idle	DAY REMARKS A		
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER		SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R R	all idle	DAY REMARKS A		
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER		SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R R	all idle	DAY REMARKS A		
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER		SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R R	all idle	DAY REMARKS A		
BULLDOZER FRONT END I GENERATOR PUMP ROLLER, STE TRACTOR, SI TRUCK, DUM TRUCK, PICK TRUCK, WAT TRUCK, FUEL TRACKHOE	EEL WHEE KID STEEF P UP ER		SURVEYIN GPS BASE BROOM ASPHALT TRAFFIC F	IG EQUIPM STATION SPREADE ROLLER	R R	all idle	DAY REMARKS A		JLATIONS

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/6/2010	MONDAY	NO: 64 OF 215
WEATHER CONDITIONS:	XCLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	93 HIGH 73	LOW TEMPER	RATURE RESTRICTION NO	
WIND:	NONE SLIGHT	STRONG  H WIND DIRECTION:	Not re	corded
RAIN:			SHOWERS END: END:	
RAIN DURATION:	X 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	XDRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	THER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
NUMBER OF PHOTO	Miller & Balling P. Million Bright & Transport Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Cont	O INFORMATION:		
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VISITORS:				, ,

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/6/2010	MONDAY	NO: 64 OF 215

GENERAL COMMENTS: Comanco not onsite. No work planned or performed.
PROJECT INSPECTOR: DATE: HOURS AT JOB SITE TOTAL HOURS

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09/06/10

FROM 0:00 TO 0:00

Kurt Peterson

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	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/7/2010	TUESDAY	NO. 65 OF 215
	CONTRAC	TOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport		, , <u>, , , , , , , , , , , , , , , , , </u>	
	•			
			TIME (A	M/PM)
A等等 1911 g 1911 [] ) La OPEF	RATION AND LOCATION		BEGINNING	ENDING
Excavation of Expansion area 3			7:00 AM	6:30 PM
Constructing alternative haul road	on south area on area 2			
· . · . · . · . · . · . · . · . · . · .			<b>—</b>	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	11	11.5	
FOREMAN	1	11.5	
SKILLED	3	11.5	
TRUCK DRIVERS	3	10.5	2 at 7:30 1 at 8:00 am
LABOR			
SURVEYOR	1	. 7	
GEOTECHNICAL TECH			

- Δ		Α	EQUIPMENT (	ACTIVE/IDLE) A	A	
1	BULLDOZER	1	SURVEYING EQUIPMEN			
1	FRONT END LOADER	1	GPS BASE STATION			
1	GENERATOR			i i		
3	PUMP					
1	ROLLER, STEEL WHEEL					
	TRACTOR, SKID STEER					
3	TRUCK, DUMP					
2	TRUCK, PICKUP					
	TRUCK, WATER					
	TRUCK, FUEL					
1	TRACKHOE					

CONTRACT QUANTITY INCREASES TODAY					
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS		
			18 CY PER TRUCK LOAD @ 153 LOADS		
#6	СОТ	2754 CY			
			21 LOADS @ 18 CY PER LOAD		
#5	DEMO	5%			
			. 1		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/7/2010	Tuesday	NO. 65 OF 215
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	91 HIGH 72	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	B
WIND: W	NONE X SLIGHT ND SPEED: MF		not rec	orded
:		ART:	END:	AIN .125 IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	THER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
#5	X			
#6	X			
NUMBER OF PHOTOS		O INFORMATION:		
	PHO1	TO ID NUMBERS		
1845-1864				
<u> </u>	· · · · · · · · · · · · · · · · · · ·			
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/7/2010	TUESDAY	NO. 65 of 215

Kurt Peterson	09/07/10	FROM 7:00 TO 6:30	11
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
approximately 3 deep using approxi	imately 270 of soil.		
constructing additional access ramp approximately 3' deep using approxi	Ramp being underlayed with  imptely 270 of call	h fabric. Today Comanco built ramp 690x	(16 foot pramp
		tri-axle trucks. Trucks transporting mater	
		d safety briefing and discussed work plan	



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/8/2010	Wednesday	NO. 66 OF 215
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport			
				···-
			温·罗宁达法·富TIME (A)	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
Excavation of Expansion area 3			7:00 AM	3:00 PM
Demo of old haul road	-		3:00 PM	6:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN	1	11.5	
SKILLED	3	11.5	
TRUCK DRIVERS	3	11	
LABOR			
MECHANIC	1	6	
GEOTECHNICAL TECH			

13.7 13.0				EQUIPMENT (	ACTI	VE/IDLE)		
		BULLDOZER	1	SURVEYING EQUIPMEN			T	<u>la en la contractión y especial amb estación</u>
	1	FRONT END LOADER	1	GPS BASE STATION			1	
ľ	1	GENERATOR		· ·				
Γ	3	PUMP			_		1	1
Г	1	ROLLER, STEEL WHEEL						
		TRACTOR, SKID STEER						
Γ		TRUCK, DUMP					1	
	2	TRUCK, PICKUP						
		TRUCK, WATER		i			1	
		TRUCK, FUEL						<u> </u>
	1	TRACKHOE						

IONS	REMARKS AND CALCULATIONS	QUANTITY	ITEM	ITEM NO.
OIL TRUCK	65 LOADS SAND AND 17 LOADS TOP SOIL TRU		· ·····	,
	LOAD BASE ON 18CY	1476 CY	CUT	#6
OAD AND CUI	COMPLETED REMOVAL OF ACCESS ROAD AN			
		60%	DEMO	#5
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/8/2010	WEDNESDAY	NO. 66 OF 215
WEATHER CONDITIONS:	XCLEAR PARTI	Y CLOUDY HEA	VY CLOUDS	Fog
TEMPERATURE:	93 HIGH 7	LOW TEMPER	ATURE RESTRICTION NO	
	NONE X SLIGHT IND SPEED: MP	<del></del>	not rec	corded
	2ND RAINFALL: ST	ART:	END:	AIN .125 IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	Т	
· 李德克斯文学生在1987年	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF WO	
#5	X			
#6	<u> </u>			
NUMBER OF PHOTO	e filono e e e e e e e e e e e e e e e e e e	O INFORMATION:		
	PHO1	O ID NUMBERS		
1865-1882				
VISITORS:				



## **DAILY REPORT OF CONSTRUCTION**

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/8/2010	WEDNESDAY	NO. 65 of 215

PROJECT INSPECTOR: Kurt Peterson	DATE: 09/08/10	HOURS AT JOB SITE FROM 7:00 TO 6:30	TOTAL HOURS 11
DDO IFOT INCDECTOR	DATE	LIQUIDO AT 100 OITE	TOTAL HOURS
rolling haul roads. Due to dusty co 65 loads fill, 15 loads concrete, 30		d sparadically. Todays hauling by tri-ax soil.	kle trucks was as follows:
		cavating rim ditch and placing addition excavator. Dozer working on north side	
		<ul> <li>-axle trucks. Trucks transporting mater on east perimeter road, concrete from or</li> </ul>	
		safety briefing and discussed work plan	

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		DES	CRIPTION	OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSIC		NTRACT NO: ITB 040-10		9/10/2010	DAY OF WEEK: Friday	CONTRACT DAY NO. 68 OF 215
		CONT	RACTOR IN			
CONTRACTOR: COMANCO			STRUCTION	CORPORATION		
SUBCONTRACTORS: Dia	mond Ti	ransport				
				·-···	<del></del>	
					TIME	(AM/PM)
0	PERATI	ON AND LOCATION	)N		BEGINNING	
Excavation of Expansion area	3				7:00 AM	12:PM
				· · · · · · · · · · · · · · · · · · ·		
		·			<u> </u>	
\$-5.5 × 5. 56.5 * VET	·	HOURS	1 Art - 1985 Art Million	a estratular nas cas	Latingaros (1921 - 1, 19 e. 19	e. i davis et 3 toutile
PERSONNEL	NO	WORKED		MAT	ERIALS RECEIVED	
SUPERVISOR	1	5.5			<u> </u>	entropy of the control of the part of entrological and and and and and and and and and and
FOREMAN	1	5.5			· · · · · · · · · · · · · · · · · · ·	
SKILLED	3	5.5				
TRUCK DRIVERS	3	5				
LABOR						
MECHANIC						<del></del>
GEOTECHNICAL TECH				<del></del>		
		FOUI	PMENT (AC	TIVE/IDLE)		Fig. 1999 un a <b>gilitat</b>
A	А		PMENT (AC	TIVE/IDLE)		
A   1   BULLDOZER	<b>A</b>	SURVEYING EC	UIPMEN	可见的 可见 经运售人提供证券	<b>A</b>	
	1		UIPMEN	可见的 可见 经运售人提供证券		
1 BULLDOZER 1 FRONT END LOADER 1 GENERATOR	1	SURVEYING EC	UIPMEN	可见的 可见 经运售人提供证券		
1 BULLDOZER 1 FRONT END LOADER 1 GENERATOR 3 PUMP	1 1	SURVEYING EC	UIPMEN	可见的 可见 经运售人提供证券		
1 BULLDOZER 1 FRONT END LOADER 1 GENERATOR 3 PUMP 1 ROLLER, STEEL WH	1 1 1 EEL	SURVEYING EC	UIPMEN	可见的 可见 经运售人提供证券		
1 BULLDOZER 1 FRONT END LOADER 1 GENERATOR 3 PUMP 1 ROLLER, STEEL WH TRACTOR, SKID STE	1 1 1 EEL	SURVEYING EC	UIPMEN	可见的 可见 经运售人提供证券		
1 BULLDOZER 1 FRONT END LOADEI 1 GENERATOR 3 PUMP 1 ROLLER, STEEL WH TRACTOR, SKID STE 3 TRUCK, DUMP	1 1 1 EEL	SURVEYING EC	UIPMEN	可见的 可见 经运售人提供证券		
1 BULLDOZER 1 FRONT END LOADER 1 GENERATOR 3 PUMP 1 ROLLER, STEEL WH TRACTOR, SKID STE 3 TRUCK, DUMP 2 TRUCK, PICKUP	1 1 1 EEL	SURVEYING EC	UIPMEN	可见的 可见 经运售人提供证券		
1 BULLDOZER 1 FRONT END LOADEI 1 GENERATOR 3 PUMP 1 ROLLER, STEEL WH TRACTOR, SKID STE 3 TRUCK, DUMP	1 1 1 EEL	SURVEYING EC	UIPMEN	可见的 可见 经运售人提供证券		
1 BULLDOZER 1 FRONT END LOADER 1 GENERATOR 3 PUMP 1 ROLLER, STEEL WH TRACTOR, SKID STE 3 TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER	1 1 1 EEL	SURVEYING EC	UIPMEN	可见的 可见 经运售人提供证券		
1 BULLDOZER 1 FRONT END LOADER 1 GENERATOR 3 PUMP 1 ROLLER, STEEL WH TRACTOR, SKID STE 3 TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	1 1 EEL	SURVEYING EC	UIPMEN TION		A	
1 BULLDOZER 1 FRONT END LOADER 1 GENERATOR 3 PUMP 1 ROLLER, STEEL WH TRACTOR, SKID STE 3 TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	1 1 EEL EER	SURVEYING EC GPS BASE STA	UIPMEN TION	NCREASES TOD	A	
1 BULLDOZER 1 FRONT END LOADER 1 GENERATOR 3 PUMP 1 ROLLER, STEEL WH TRACTOR, SKID STE 3 TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	1 1 EEL	SURVEYING EC GPS BASE STA	UIPMEN TION	NCREASES TOD	AY EMARKS AND CALC	ULATIONS
1 BULLDOZER 1 FRONT END LOADER 1 GENERATOR 3 PUMP 1 ROLLER, STEEL WH TRACTOR, SKID STE 3 TRUCK, DUMP 2 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	1 1 EEL EER	SURVEYING EC GPS BASE STA	UIPMEN TION	NCREASES TOD	A	ULATIONS



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/10/2010	Friday	NO. 68 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE: _	93 HIGH 72	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT OF SPEED: MP		not rec	corded
15		ART:	SHOWERS END: END:	
RAIN DURATION: X		ccurred during non-workin	g hours ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF PHOTOS		DINFORMATION:		
	РНОТ	O ID NUMBERS		
1886-1892				
VISITORS:		•		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/9/2010	Thursday	NO. 67 of 215

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Crew continued excavation of expansion area with excavator and three tri-axle trucks. Trucks transporting materials to different north stockpile area. Held progress meeting with County, Contractor, and Engineer. After meeting all parties me at expansion area to discuss south tie-in. Contractor concerned about slope stability during tie-in. Contractor states he needs to excavate excisting slope back to make tie-in safe for personel. Reviewed pre-construction drawings and determined that area Contractor wanted to excavate back was not a change in site conditions and was existing at the time of bidding. Tri-axle trucks hauled 142 loads of sand to stockpile or 2556cy at 18cy per load. Heavy rain started at 2 PM. Trucks were stopped for approximately 30 min. due to lightning. Rain stopped about 4PM



	DES	CRIPTION OF WORK			
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	9/10/2010	Friday	NO. 68 OF 215	
	CONTR	ACTOR INFORMATION			
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONS	TRUCTION CORPORATION	· · ·		
SUBCONTRACTORS: Diamor	nd Transport				
			TIME (/	AM/PM)	
OPER	RATION AND LOCATIO	North Cold of the Cold of	BEGINNING	ENDING	
Excavation of Expansion area 3			7:00 AM	12:PM	
				-1	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	5.5	
FOREMAN	1	5.5	
SKILLED	3	5.5	
TRUCK DRIVERS	3	5	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		A	EQUIPMENT (	ACTI A	VE/IDLE)	A	
1	BULLDOZER	1	SURVEYING EQUIPMEN				
1	FRONT END LOADER	1	GPS BASE STATION			<u> </u>	
1	GENERATOR						
3	PUMP						
1	ROLLER, STEEL WHEEL						<del></del>
	TRACTOR, SKID STEER						
3	TRUCK, DUMP						
2	TRUCK, PICKUP				,		
	TRUCK, WATER						
	TRUCK, FUEL						
1	TRACKHOE						

	CONTRACT QUANTITY INCREASES TODAY									
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS							
			68 LOADS SAND TRUCK LOAD BASE ON 18CY							
#6	CUT	1224cy								
·										
<del></del>										



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/10/2010	Friday	NO. 68 OF 215
WEATHER CONDITIONS:	X CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	93 HIGH 72	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT ND SPEED: MP	STRONG WIND DIRECTION:		1
1	ND RAINFALL: ST	ART:	SHOWERS END:	
RAIN DURATION:	x 0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTXGOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	x DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF	
#6	x			
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	PHO1	TO ID NUMBERS		
1886-1892				
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	<del></del>		<del></del>	
VISITORS:			****	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/10/2010	Friday	NO. 68 of 215

GENERAL COMMENTS: Comanco ons continued excavation of expansion area stockpile area. Met at south tie-in for line east of road and at approx. 25' east of romarking tie in are on inside of berm and 23 feet that was discussed. Excavated	with excavator and three tri-axle er near old access road. Coman- oad to determine depth and area top of berm is approx. 3 foot wid	trucks. Trucks transporting materia to located liner by excavating test p needed to be benched back for exc	als to different north its at approx. 100 feet avation. Stakes
PROJECT INSPECTOR: Kurt Peterson	DATE: 09/09/10	HOURS AT JOB SITE FROM 7:00 TO 11:00	TOTAL HOURS 4

CONTRACT NO: DATE: DATE: DAY OF WEEK: CONTRACT NO: SYMM PHASE 3 EXPANSION ITB 040-10 9/11/2010 Saturday NO: 89 OF 215  CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION SUBCONTRACTORS:  TIME (AM/PM)  OPERATION AND LOCATION BEGINNING ENDING  OPERATION AND LOCATION BEGINNING ENDING  OPERATION AND LOCATION BEGINNING ENDING  OPERATION AND LOCATION BEGINNING ENDING  SUPERVISOR FOREMAN SKILLED TRACE  TRUCK DRIVERS LABOR TRAINE BEGINNING ENDING  GEOTECHNICAL TECH  A A A A A A A A A A A A A A A A A A A	CONTRACT NAME.					N OF WORK		CONTRACT DAY
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION SUBCONTRACTORS:  TIME (AM/PM) OPERATION AND LOCATION No work performed  PERSONNEL NO HOURS WORKED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR TRAINEE GEOTECHNICAL TECH FONT END LOADER FORM BROOM PUMP FRONT END LOADER FORM BROOM PUMP ASPHALT SPREADER ROLLER STEEL WHEEL TRACFIC ROLLER TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, PICKUP TRUCK, WATER TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK					i i		į.	l.
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION SUBCONTRACTORS:  TIME (AM/PM)  OPERATION AND LOCATION BEGINNING ENDING  No work performed  PERSONNEL NO HOURS WORKED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR TRAINEE GEOTECHNICAL TECH  BULLDOZER FRONT END LOADER GPS BASE STATION GENERATOR BULLED, STEEL WHEEL TRACTOR, SKID STEER TRACKHOE TRUCK, DIMP TRUCK, DIMP TRUCK, DIMP TRUCK, WATER TRUCK, WATER TRUCK, FICKUP TRUCK, WATER TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK, FICKUP TRUCK,				CON	TRACTOR		Saturday	S. S. Alla Market National Land and Co. S. Alla Service
SUBCONTRACTORS:    OPERATION AND LOCATION   BEGINNING   ENDING	CONTRACTOR: COMAI	NCO ENV	(IBON	MENTAL CON	JSTBUCTIC	N CORPORATION	<u>ale in est arkens et arkenskrive</u> DNI	
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BULLDOZER SURVEYING EQUIPMEN all idle  FRONT END LOADER GPS BASE STATION  GENERATOR BROOM  PUMP ASPHALT SPREADER  ROLLER, STEEL WHEEL TRAFFIC ROLLER  TRACTOR, SKID STEER  TRUCK, DUMP  TRUCK, PICKUP  TRUCK, WATER  TRUCK, FUEL  TRACKHOE  CONTRACT QUANTITY INCREASES TODAY  ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS	NIVEL CAN TARRETT	र हा की रहा देख	- 34	-Level Sicion	UDMENT //	OTIVE/IDIES		sov Villa i William Grand de La Calada.
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FRONT END LOADER GPS BASE STATION GENERATOR BROOM PUMP ASPHALT SPREADER ROLLER, STEEL WHEEL TRAFFIC ROLLER TRUCK, DUMP TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS	C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<u>* *                           </u>		SURVEYING E	OUIPMEN	lall idle	la al inalizació cara 😷 tempes	
GENERATOR BROOM PUMP ASPHALT SPREADER ROLLER, STEEL WHEEL TRAFFIC ROLLER TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS		ADER						
PUMP ASPHALT SPREADER  ROLLER, STEEL WHEEL TRAFFIC ROLLER  TRACTOR, SKID STEER  TRUCK, DUMP  TRUCK, PICKUP  TRUCK, WATER  TRUCK, FUEL  TRACKHOE  CONTRACT QUANTITY INCREASES TODAY  ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS			_		+		<del>-    </del>	
TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS					EADER	<del></del>	<del>                                      </del>	
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS	ROLLER, STEEL	WHEEL	┪	RAFFIC ROLL	_ER			
TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS	TRACTOR, SKID	STEER	$\top$					
TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS			$\Box$					
TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS								
TRACKHOE  CONTRACT QUANTITY INCREASES TODAY  ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS								
CONTRACT QUANTITY INCREASES TODAY  ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS								
ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS	TRACKHOE							
ITEM NO. ITEM QUANTITY REMARKS AND CALCULATIONS	Fig. 1 - wr-se-time are a garage of the second	1070 2 No. + 10 Ja		77.000	· · · · · · · · · · · · · · · · · · ·		r =	
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CONTRACT NAME:		ONTRACT		DATE:			DAY OF V	NEEK:	CONTR	RACT DAY
SWM PHASE 3 EXPANSION	N	ITB (	)40-10		9/11/2010	0	Sa	turday	NO: 69	OF 215
WEATHER CONDITIONS:	Cr	LEAR	x PARTL	Y CLOUI	DY	HEA	VY CLOUI	os	F	OG
TEMPERATURE:	9		H <u>73</u>		_			ESTRICTION CATION NO		
WIND:			SLIGHT MP		STRONG IND DIRE			Not re	corded	
RAIN:	1ST I	ONE RAINFALL RAINFALL		ART:	HEAVY	_	SHOW END: END:	ERS	1.5 in	guage
RAIN DURATION:	0-2	2 HRS	x 2-4 HRS		4-6 HRS	[	ALL D	AY		
WORKING CONDITIONS:	EX	KCELLENT	∏GOOD		FAIR	[	POOR		□ви	AD
DURATION OF ACCEPTABLE CONDITIONS:		CCEPTAB LL DAY		ORE THA			SS THAN WORK		UNACC ALL DA	CEPTABLE AY
SOIL CONDITIONS:	DF	RΥ	x WET		EXTREM	IELY WE	Г			
		EFFEC	TS OF WEAT	HER ON	MAJOR	WORK IT	EMS			
MAJOR AND/OR CONTROLLING WORK ITE	MS		ECT ALL AY		TED LES			ECTED MO I 50% OF W		NO WORK ALL DAY
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	<del></del>									
NUMBER OF PHOT	OS TAK	KEN:	PHOTO 0	) INFORI	MATION:					
<u></u>			РНОТ	O ID NU	MBERS					
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				<b> </b>						
VISITORS:	<del></del>			<del></del>						

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/11/2010		NO: 69 OF 215

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DDO IFCT INCRECTOR: DATE: HOURS AT ION OUT.	

Alternative State Control	· ·	· · ·			ION OF WORK	<u> </u>	·	
CONTRACT NAME: SWM PHASE 3 EX			NTRACT NO: ITB 040-1		TE: 9/12/2010		DAY OF WEEK: Sunday	
SWM PHASE 3 EX			C	ONTRACTO	R INFORMATIO	N		
CONTRACTOR: CO							<u>,</u>	<u> </u>
SUBCONTRACTORS	S:							<del></del>
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							N. offgat <b>i</b>	ME (AM/PM)
	OF	PERATIC	ON AND LOC	ATION				G ENDING
No work performed								
PERSONNEL		NO	HOURS			MATER	NAI S RECEIVE	-n
			WORKED			Mr.		, <b>U</b>
SUPER			<u> </u>					
	REMAN			$\longrightarrow$	<del></del>			
	KILLED	<del></del>	<u> </u>					
TRUCK DR			<del> </del>	$+\!\!-\!\!\!-$				
	LABOR BAINEE		<del>                                     </del>					
GEOTECHNICAL			<del> </del>	<del></del>	<del></del>			
GEOTECHINICAL	TEUTI	<del></del>	<u> </u>		····		<del></del>	
	The Market A		13.2	COLUDNENT	(ACTIVE/IDLE)	- 10 m / 1/2 m	retirentario (n. 1017).	1. 1. 17 - 12.4 s + 128 t 5 を まる 1 を 2 を 2 を 2 を 2 を 2 を 2 を 2 を 2 を 2 を
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BULLDOZER	<u></u>	1 20 1 20 1		G EQUIPMEI		<u> </u>	o i 191 sist og ulige <b>4 t</b> ellere. ■	
FRONT END		<del>.   -</del>	GPS BASE		N Can rais		<del>-    </del>	
GENERATOR			BROOM	Olimion	<del>  </del>		<del></del>	
PUMP	<del>`</del>		ASPHALT S	PREADER	1		- 1	
ROLLER, ST	EEL WHF	EEU	TRAFFIC RO		<del>                                     </del>		11	
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TRUCK, DUM					<del>                                     </del>			
TRUCK, PICK		$\neg$			1		<del>-    </del>	
TRUCK, WAT		_			† †			
TRUCK, FUE	<u> </u>	$\neg$						
TRACKHOE								
	-8946 an		CONTRA			-TODAY		
ITEM NO.		ITEM		QUANTIT	Υ	REN	MARKS AND CA	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/12/2010	Sunday	NO: 70 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	98 HIGH <u>73</u>	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO.	
	NONE SLIGHT SPEED: MP	STRONG H WIND DIRECTION:	Not rec	orded
15	NONE LIGHT ST RAINFALL: ST ND RAINFALL: ST	ART:	SHOWERS END:	1.5 in guage over weekend
RAIN DURATION:	0-2 HRS x 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY X WET	EXTREMELY WE	:T	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF PHOTOS	Alternative Park Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Contr	DINFORMATION:		
	PHOT	O ID NUMBERS		
			—   <del> </del>	
VISITORS:				

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/12/2010	Sunday	NO: 70 OF 215

GENERAL COMMENTS:	Comanco not onsite.	No work planned or performed.	,	
				,
				-
L_				
PROJECT INSPECTOR:	DATE	: HOUI	RS AT JOB SITE	TOTAL HOURS

09/12/10

FROM 0:00 TO 0:00

Kurt Peterson



	DESC	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/13/2010	MONDAY	NO. 71 OF 215
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport		•	
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
Excavation of Expansion area 3			7:00 AM	6:30 PM
Constructing alternative haul road	on south area on area 2			
				· <del></del>

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN	. 1	11.5	
SKILLED	3	11.5	
TRUCK DRIVERS	3	10.5	
LABOR			
SURVEYOR			
GEOTECHNICAL TECH			

A		EQUIPMENT (ACTIVE/IDLE)  A A A
1	BULLDOZER	SURVEYING EQUIPMEN
1	FRONT END LOADER	GPS BASE STATION
	GENERATOR	
	PUMP	
1	ROLLER, STEEL WHEEL	
	TRACTOR, SKID STEER	
3	TRUCK, DUMP	
2	TRUCK, PICKUP	
	TRUCK, WATER	
	TRUCK, FUEL	
1	TRACKHOE	

	CONTRACT QUANTITY INCREASES TODAY					
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
			18 CY PER TRUCK LOAD @ 114 LOADS			
#6	CUT	2052 CY				
ł						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	9/13/2010	Monday	NO. 71 OF 215
WEATHER CONDITIONS:	X CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:		- <u>-</u>	ATURE RESTRICTION SPECIFICATION NO:	
	NONE X SLIGHT IND SPEED: MP		not rec	orded
		ART:	END:	AIN .125 IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
#6		30% OF WORK DAT	- THAN 30 % OF WC	ALE DAT
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	-	П	П	
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	_	П		П
NUMBER OF PHOTO	Light from the Tibe to the set of Anthie Set (5)	O INFORMATION:		
	PHO1	TO ID NUMBERS		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/13/2010	MONDAY	NO. 71 of 215

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	DES	SCRIPTION OF WORK		and the second
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/14/2010	TUESDAY	NO. 72 OF 215
<u> 경화 : [개편</u> 중문학 시 기기 기기 기기 문제] :	CONTI	RACTOR INFORMATION	<u> 19 - 19 - 20 - 20 - 19 - 19 - 19 - 19 - 19 - 19 - 19 - 1</u>	
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONS	STRUCTION CORPORATION		***
SUBCONTRACTORS: Diamoi	nd Transport			
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			Light to the state of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the cont	BAIDBAY . To y . To
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OPE	RATION AND LOCATION	N	BEGINNING	ENDING
Excavation of Expansion area 3			7:00 AM	6:30 AM
			l	<u> </u>

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN	1	11.5	
SKILLED	3	11.5	
TRUCK DRIVERS	3	11	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		EQUIPMENT (ACTIVE/IDLE)  A A A
1	BULLDOZER	SURVEYING EQUIPMEN
1	FRONT END LOADER	GPS BASE STATION
	GENERATOR	
	PUMP	
	ROLLER, STEEL WHEEL	
	TRACTOR, SKID STEER	
3	TRUCK, DUMP	
2	TRUCK, PICKUP	
	TRUCK, WATER	
	TRUCK, FUEL	
1	TRACKHOE	

\$955.872.55 - 100	CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS						
			129 LOADS SAND TRUCK LOAD BASE ON 18CY						
<u>#</u> 6	CUT	2322 CY							
			İ						
1									



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/14/2010	Tuesday	NO: 72 OF 215
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	90 HIGH 73	LOW TEMPER	RATURE RESTRICTION NO	
WIND: W	NONE X SLIGHT IND SPEED: MF	STRONG WIND DIRECTION:	not red	corded
:	2ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	X EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
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NUMBER OF PHOTOS	decreased a record from the continue of the property of the first first and the second of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the fi	O INFORMATION:		
	PHO	TO ID NUMBERS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	l
SWM PHASE 3 EXPANSION	ITB 040-10	9/14/2010	Tuesday	NO. 72 of 215	ĺ

excavation unsuitable soil of sump p	oump area with excavator and thre d 129 loads of sand to stockpile o	fety briefing and discussed work plane ee tri-axle trucks. Trucks transporting r 2322cy at 18cy per load. Called PSI	materials to north
PROJECT INSPECTOR: Paul Siriboury	DATE: 09/14/10	HOURS AT JOB SITE FROM 6:30 TO 6:30	TOTAL HOURS 11.5



	DESCR	RIPTION OF WORK			
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY NO. 73 OF 215	
SWM PHASE 3 EXPANSION	ITB 040-10	9/15/2010	WEDNESDAY		
	CONTRAC	CTOR INFORMATION.		<b>克克克克斯 斯克斯</b>	
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATI	ON		
SUBCONTRACTORS: Diamor	nd Transport, Universal				
			TIME (A	M/PM)	
OPEF	RATION AND LOCATION		BEGINNING	ENDING	
Excavation of Expansion on north-	west area and filled on eas	st end of the floor	6:30 AM	6:30 AM	
	· · · · · ·				
		**			
			•	· ,	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN	1	11.5	
SKILLED	3	11.5	
TRUCK DRIVERS	3	11	
LABOR			
MECHANIC			
GEOTECHNICAL TECH		1	

A		Α	EQUIPMENT (	ACTI A	VE/IDLE)	A	
1	BULLDOZER	1	SURVEYING EQUIPMEN				
1	FRONT END LOADER	1	GPS BASE STATION				
	GENERATOR						
	PUMP				· ·		
1	ROLLER, STEEL WHEEL					1	
	TRACTOR, SKID STEER						
3	TRUCK, DUMP						·-
2	TRUCK, PICKUP						
	TRUCK, WATER						
	TRUCK, FUEL						
1	TRACKHOE						

	CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
			96 LOADS SAND TRUCK LOAD BASE ON 18CY					
#6	CUT	1728 CY						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/15/2010	Wednesday	NO: 73 OF 215
WEATHER CONDITIONS:	X CLEAR PAR	TLY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	90 HIGH <u>73</u>	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
WIND: W	NONE X SLIGHT	STRONG  IPH WIND DIRECTION:	not red	corded
	2ND RAINFALL:	START:	END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	occurred during non-workin G 4-6 HRS	g nours  ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	ET .	
	EFFECTS OF WEA	THER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM:	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI	
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/15/2010	Wednesday	NO. 73 of 215

PROJECT INSPECTOR: DATE: HOURS AT JOB SITE TOTAL HOURS	
end of the floor area or 1728cy at 18cy per load. PSI on site to performed density test on the filled materials.	east
to survey the bottom of the unsuitable soil after excavation on the east end of the floor. Comanco continued to excavation from not west slope and filled on sump pump area. Trucks transporting materials to east area. Tri-axle trucks hauled 96 loads of sand to e	orth-



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/16/2010	Thursday	NO. 74 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport, Universal			
		· · · · · · · · · · · · · · · · · · ·	<del></del>	
			TIME (A	M/PM)
	RATION AND LOCATION	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	BEGINNING	ENDING
Excavation of Expansion on north-	west area and filled on eas	st end of the floor	6:30 AM	6:30 AM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN	1	11.5	
SKILLED	3	11.5	
TRUCK DRIVERS	3	11	
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	1	

A		EQUIPMENT (ACTIVE/IDLE) A A A A
1	BULLDOZER	SURVEYING EQUIPMEN
	FRONT END LOADER	GPS BASE STATION
	GENERATOR	
	PUMP	
1	ROLLER, STEEL WHEEL	
	TRACTOR, SKID STEER	
2	TRUCK, DUMP	
2	TRUCK, PICKUP	
	TRUCK, WATER	
	TRUCK, FUEL	
1	TRACKHOE	

ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
			122 LOADS SAND TRUCK LOAD BASE ON 18CY
#6	СПТ	2196 CY	
	·		<del>-</del>



CONTRACT NAME:	_CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/16/2010	Thursday	NO: 74 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	91 HIGH 71	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	NONE X SLIGHT ND SPEED: MP		not rec	orded
ī		ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF [2 ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT		ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY		
#6	x			
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NUMBER OF PHOTOS		O INFORMATION:		
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-				
VISITORS:				



CONTRACT NAME:	NAME: CONTRACT NO:		DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	9/16/2010	Thursday	NO. 74 of 215	

(QC) on site to performed density the floor. Progress meeting #10 C	test at east end of the floor omanco will revised schedu	area. PSI (QA) on site to performed dens ale for liner installation date. Comanco cor xle trucks hauled 122 loads of sand to ea	sity on the filled at east end of attituded to excavation from
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS

09/16/10

FROM 6:30 TO 6:30

Paul Siriboury

11.5



MECHANIC

GEOTECHNICAL TECH

		DE	SCRIPTION OF WORK		1,
CONTRACT NAME:	CON	TRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	1	ITB 040-10	9/17/2010	Friday	NO. 75 OF 215
			TRACTOR INFORMATION		
CONTRACTOR: COMANCO	ENVIRO	NMENTAL CON	ISTRUCTION CORPORATION	V	
SUBCONTRACTORS:	-				
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		N AND LOCATI		BEGINNING	ENDING
Comenco set up pump on Eas		<del> </del>		6:30 AM	6:30 AM
Comenco demolition fabriform	on East	end of phase 3			
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PERSONNEL	NO	WORKED	A CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR	TERIALS RECEIVED	
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FOREMAN	1	5.5			·
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LABOR			-		. 184414

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	<u> </u>	BULLDOZER I	A	SURVEYING EQUIPMEN	А		: А Т	
ľ	1	FRONT END LOADER		GPS BASE STATION			<del> </del>	
Ī		GENERATOR						
		PUMP						
		ROLLER, STEEL WHEEL						
[		TRACTOR, SKID STEER						1
[		TRUCK, DUMP						
Γ	2	TRUCK, PICKUP						
		TRUCK, WATER						
		TRUCK, FUEL						
	1	TRACKHOE						

ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#5	Demolition	22%	
			**************************************
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY			
SWM PHASE 3 EXPANSION	ITB 040-10	9/17/2010	Friday	NO: 75 OF 215			
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG			
TEMPERATURE:	91 HIGH71	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO				
	NONE X SLIGHT ND SPEED: MP		not rec	orded			
1		ART:	END:	RAIN IN GUAGE			
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY				
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD			
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY			
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ΞT				
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS				
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY					
#5	<u>x</u>						
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/17/2010	Friday	NO. 75 of 215

GENERAL COMMENTS: Comanco on site at 6:30 am. Super held safety briefing and discussed work plan for today. Comanco set up pump on east end of phase-3 for dewater.  Comanco demolition fabriform on East end of phase 3 near the top of slope.  Comanco unloaded 24 rolls of geocomposite material.					
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	<del></del>				
PROJECT INSPECTOR:	DATE	HOURS AT JOB SITE	TOTAL HOURS		

09/17/10

FROM <u>6:30</u> TO <u>12:</u>00

Paul Siriboury



CONTRACT NOME: SYMM PHASE 3 EXPANSION  TITE 404-10  TITE 404-10  TITE 404-10  TITE 404-10  TITE 404-10  TITE 404-10  TITE 404-10  TONTRACTOR:  CONTRACT DAY  NO. 76 OF 215  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  CONTRACTOR:  TIME (AM/FM)  DEGINNING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDING  ENDI	<u> Avibel, institute</u>			DE		TION OF	WORK	<u> </u>	<u> </u>	
CONTRACTOR INFORMATION  CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION  SUBCONTRACTORS:  TIME (AM/PM)  OPERATION AND LOCATION  BEGINNING  PERSONNEL  NO  HOURS WORKED  SUPERVISOR  FOREMAN  SKILLED  TRUCK DRIVERS  LABOR  MECHANIC  GEOTECHNICAL TECH  FROMT END LOADER  FROMT END LOADER  GENERATOR  PUMP  PUMP  ROLLER, STEEL WHEEL  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRACKHOE  CONTRACT QUANTITY INCREASES TODAY			1		1		8/2010			
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION SUBCONTRACTORS:  TIME (AM/PM)  OPERATION AND LOCATION  BEGINNING  ENDING  PERSONNEL  NO  HOURS WORKED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DIMP TRUCK, DIMP TRUCK, DIMP TRUCK, DIMP TRUCK, DIMP TRUCK, DIMP TRUCK, DIMP TRUCK, DIMP TRUCK, WATER TRUCK, WATER TRUCK, WATER TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY									turuay	110.70 01 210
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PERSONNEL NO HOURS WORKED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, WATER TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	<del></del>									
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PERSONNEL NO HOURS WORKED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, PICKUP TRUCK, DIAMP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY										
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SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, DUMP TRUCK, PICKUP TRUCK, FICKUP TRACKHOE  CONTRACT QUANTITY-INCREASES TODAY		OPE	RATIO	N AND LOCATI	ON	<u> Paranga</u>		BEC	AINNING	ENDING
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SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, DUMP TRUCK, PICKUP TRUCK, FICKUP TRACKHOE  CONTRACT QUANTITY-INCREASES TODAY	<u> </u>									
SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, DUMP TRUCK, PICKUP TRUCK, FICKUP TRACKHOE  CONTRACT QUANTITY-INCREASES TODAY	PERCONNEL			HOURS	Parject					
FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY-INCREASES TODAY	PEHSUNNEL		10	The first of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the			NA	TERIALS n	ECEIVĿ∪	
SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A A BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY-INCREASES TODAY										<u> </u>
TRUCK DRIVERS  LABOR  MECHANIC  GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER SURVEYING EQUIPMEN  FRONT END LOADER GPS BASE STATION  GENERATOR  PUMP  ROLLER, STEEL WHEEL  TRACTOR, SKID STEER  TRUCK, DUMP  TRUCK, PICKUP  TRUCK, WATER  TRUCK, WATER  TRUCK, FUEL  TRACKHOE  CONTRACT QUANTITY:INCREASES TODAY										
LABOR MECHANIC GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY:INCREASES TODAY										
MECHANIC GEOTECHNICAL TECH  EQUIPMENT (ACTIVE/IDLE)  A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FICKUP TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY			$\longrightarrow$		<u> </u>					
EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY				-	<del> </del>					
EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY:INCREASES TODAY			$\rightarrow$	<del></del>	<del></del>					
A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	GEOTECHINICAL I	ECH	1		<u> </u>		<del></del>			
A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	2948244 1915 to 41.5	- 0.1584 gub., 1	Video191	EQI	IIPMEN	JT (ACTI)	/F/IDLE)			
BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	Ā		FLAX FOR 84			A				
GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY			П							T
PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	FRONT END L	OADER		GPS BASE STA	ATION				† <u> </u>	
ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY										
TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY			$\downarrow \downarrow \downarrow$							
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY				<del></del>		$\rightarrow$				
TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY			+	<del></del>		$\dashv \dashv$				
TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY			+			++			+	
TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY			+	<u> </u>					<del>                                     </del>	
TRACKHOE CONTRACT QUANTITY INCREASES TODAY			+-+	1		+			┼	
CONTRACT QUANTITY INCREASES TODAY		-	++	<u></u>		++			++-	
	1.5								<u> </u>	
		GRANGA (	£1,845,	CONTRACT	QUANT	FITY INC	REASES TO	DAY		
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY		
SWM PHASE 3 EXPANSION	ITB 040-10	9/18/2010	Saturday	NO: 76 OF 215		
WEATHER CONDITIONS: [	X CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG		
TEMPERATURE:			RATURE RESTRICTION SPECIFICATION NO:			
WIND: [	NONE X SLIGHT ND SPEED: MP	STRONG WIND DIRECTION:	not rec	orded		
	ND RAINFALL: ST		END:	RAIN IN GUAGE		
RAIN DURATION: [	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY			
WORKING CONDITIONS: [	_EXCELLENTGOOD	FAIR	POOR	BAD		
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY		
SOIL CONDITIONS: [	DRY WET	EXTREMELY WE	т			
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS			
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR			
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NUMBER OF PHOTOS	Reference of the fire of the control of the fire of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of	O INFORMATION:				
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VISITORS:	·					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/18/2010	Saturday	NO. 76 of 215

GENERAL COMMENTS:	Comanco not onsite.	No work planned or perf	ormed.		
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+					
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PROJECT INSPECTOR:	DATE	<u>:</u> :	HOURS AT JOB	SITE	TOTAL HOURS
Paul Siriboury		09/18/10	FROM 0:00	TO 0:00	0



CONTRACT NAME: SWM PHASE 3 EXPANSI CONTRACTOR: COMANC SUBCONTRACTORS:	ON				DAY OF WE	EN:	CONTRACT DAY
CONTRACTOR: COMANC	34 No. 3		1 9/	19/2010	Sund		NO. 77 OF 215
CONTRACTOR: COMANO		CONT					
SUBCONTRACTORS:	O ENVIR	ONMENTAL CONS	STRUCTION C	ORPORATIO	N	· · · · · · · · · · · · · · · · · · ·	
		<u> </u>					
					1885: 1-Jane 1971 1971 1	TINGE	ARA/DRANES ASSESSED ASSESSED
	OPERATIO	ON AND LOCATIO	)NVA - E SECTA A	503 BB 1441 BB			AM/PM)   Ending
<u>, morte e la Trojavilja, dojiževilej e la Trovi</u>	2i Eliwii	JII AIID LOOATIC	<u> </u>	<u> 1980 (1987) (1984) a franciska</u>	A PEGIN	Silva (1. 25)	19.5 CINDING 19.6
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PERSONNEL	NO	HOURS		MA	TERIALS RECI	IVFD	
나는 가게 그렇게 나를 수 있었다. 그 말이 있다.		WORKED					
SUPERVISOR		<del>                                     </del>					
FOREMAN		<del> </del>					<del></del>
SKILLED TRUCK DRIVERS		+					
LABOR	<del>                                     </del>						
MECHANIC		+ +		,			
GEOTECHNICAL TECH	<del> </del>	1					
	<u></u>	.1					-
		EQU	PMENT (ACT	VE/IDLE)			
Α	Α	EQU	Α		(5,5)# 15	<b>Y</b>	
BULLDOZER		SURVEYING EC					
FRONT END LOADE	ER	GPS BASE STA	TION				
GENERATOR		ļ		<b> </b>			
PUMP							
ROLLER, STEEL W TRACTOR, SKID ST		<u> </u>					
TRUCK, DUMP	EERI	<del>                                     </del>					
TRUCK, PICKUP		<del> </del>			<del></del>	+	
TRUCK, WATER	_	<del>                                     </del>			<del>-</del>		
TRUCK, FUEL							
TRACKHOE							
	45 Y 45 T V V V	CONTRACT	ONI-YTITMAUC			21535	
ITEM NO.	ITEM	Q	UANTITY		REMARKS AND	CALCU	LATIONS
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		DATE:	DAY OF WEEK:	CONTRACT DAY			
SWM PHASE 3 EXPANSION	ITB 040-10	9/19/2010	Sunday	NO: 77 OF 215			
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG			
TEMPERATURE: _	91 HIGH 72	LOW TEMPER	RATURE RESTRICTION NO				
<u> </u>	NONE X SLIGHT ID SPEED: MP	STRONG H WIND DIRECTION:	not re	corded			
15	ND RAINFALL: ST.	ART:	SHOWERS END: END:	RAIN IN GUAGE			
RAIN DURATION:	]0-2 HRS	4-6 HRS	ALL DAY				
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD			
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY			
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ΞT				
	EFFECTS OF WEAT	er all the entry of the entry of the analysis of the thereby	TEMS				
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY					
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		Ц	LJ	Ш			
NUMBER OF PHOTOS		INFORMATION:					
PHOTO ID NUMBERS							
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WOLTOPO			<del></del>				
VISITORS:							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/19/2010	Sunday	NO. 77 of 215

GENERAL COMMENTS: Comanco not onsite. No work planned or performed.	
PROJECT INSPECTOR: DATE: HOURS AT JOB SITE TOTAL HOUR	20
Paul Siriboury         09/19/10         FROM 0:00 TO 0:00         0	i.



	DESCRIPTION	· 1000 1000 1000 1000 1000 1000 1000 10		
CONTRACT NAME:	CONTRACT NO: DATE	:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/20/2010	Monday	NO. 78 OF 215
	CONTRACTOR II	NFORMATION		
CONTRACTOR: COMANCO E	NVIRONMENTAL CONSTRUCTIO	N CORPORATION	V	
SUBCONTRACTORS: Gaude	ette Electric, Inc.			
<del> </del>	<del></del>			
			TIME	(AM/PM)
OPE	RATION AND LOCATION		TIME	(AM/PM) ENDING
	RATION AND LOCATION  n fabriform on East end of phase 3			3.7.45
	n fabriform on East end of phase 3		BEGINNING	ENDING
Comenco continued to demolition	n fabriform on East end of phase 3		BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN	1	11.5	
SKILLED	3	11.5	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		EQUIPMENT (ACTIVE/IDLE)  A A A
1	BULLDOZER	SURVEYING EQUIPMEN
1	FRONT END LOADER	GPS BASE STATION
	GENERATOR	
	PUMP	
	ROLLER, STEEL WHEEL	
	TRACTOR, SKID STEER	
	TRUCK, DUMP	
2	TRUCK, PICKUP	
	TRUCK, WATER	
	TRUCK, FUEL	
1	TRACKHOE	

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ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
#5	Demolition	3%					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/20/2010	Monday	NO: 78 OF 215
WEATHER CONDITIONS: [	X CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	91 HIGH 71	LOW TEMPER	RATURE RESTRICTION NO	
	NONE X SLIGHT ND SPEED: MP	STRONG H WIND DIRECTION:	not re	corded
1	ND RAINFALL: ST	ART:	SHOWERS END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	occurred during non-workin 4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	DRY WET	EXTREMELY WE	ΞΤ ·	
	EFFECTS OF WEAT		TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY		
#5		30% OF WORK DAT	111AN 30 % OF W	ORK ALL DAT
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NIMBED OF PHOTOS	DALITA BARTING AND AND AND AND AND AND AND AND AND AND	O INFORMATION:		
NUMBER OF PHOTOS		O ID NUMBERS		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/20/2010	Monday	NO. 78 of 215

Paul Siriboury	09/20/10	FROM 6:30 TO 18:30	11.5
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
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g pair	The second of some round of the	9	
East end of phase 3. Comanco removed the existing pure	np from phase 3 and removed exis	ting 12" discharge pipe.	
Electric, Inc. onsite to disconnected	I the poer to existing pump in phase	e 3. Comanco continued to worked or	demolition fabriform on
GENERAL COMMENTS, COMMENC	o onsite at 6:30 am. Super held sal	ety briefing and discussed work plan	for today. 8:10 Gaudette



	DES	CRIPTION OF WORK			
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	9/21/2010	Tuesday	NO. 79 OF 215	
	CONTR	ACTOR INFORMATION	Capture Authorities (A) in		
CONTRACTOR: COMANCO EN		TRUCTION CORPORATION			
SUBCONTRACTORS: Diamor	nd Transport				
		<del></del>			
		,			
		· · · · · · ·		• ,	
			TIME (A	M/PM)	
OPE	RATION AND LOCATIO	Note that the second	BEGINNING	ENDING	
Comenco worked on excavation for	rom North West and fill o	on East end of phase 3	6:30 AM	6:30 AM	
		· · · · · · · · · · · · · · · · · · ·			
			•		

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN	1	11.5	
SKILLED	3	11.5	
TRUCK DRIVERS	2		
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

	Α		Α	EQUIPMENT (	ACTI	VE/IDLE)	A	信を
	1	BULLDOZER		SURVEYING EQUIPMEN				Т
- [	1	FRONT END LOADER		GPS BASE STATION				1
Ī		GENERATOR						 1
Ì		PUMP					1	1
- [		ROLLER, STEEL WHEEL						1
ſ		TRACTOR, SKID STEER						1
	2	TRUCK, DUMP						1
-	2	TRUCK, PICKUP					1	1
- [	1	TRUCK, WATER					1	1
Ī		TRUCK, FUEL						1
- [	1	TRACKHOE						1

(4) 异复元的 (5)	CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
			18 cy per truck load @ 178 loads				
#6	Cut	3,204 cy					
1							
L							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	9/21/2010	Tuesday	NO: 79 OF 215	
WEATHER CONDITIONS:	CLEAR PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG	
TEMPERATURE:	92 HIGH <u>73</u>	_LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:		
L-	NONE X SLIGHT ND SPEED: MF	STRONG PH WIND DIRECTION:	not rec	orded	
1	ND RAINFALL: ST	TART:	END:	RAIN IN GUAGE	
RAIN DURATION:	0-2 HRS 2-4 HRS	occurred during non-workin 4-6 HRS	ALL DAY		
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD	
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50%  F WORK DAY	UNACCEPTABLE ALL DAY	
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ΞΤ		
	EFFECTS OF WEAT	THER ON MAJOR WORK	TEMS		
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF		
#6	x				
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NUMBER OF PHOTOS	and the contradiction of the subject of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contradiction of the contrad	O INFORMATION:			
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VISITORS:					



ı	CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
	SWM PHASE 3 EXPANSION	ITB 040-10	9/21/2010	Tuesday	NO. 79 of 215

worked on excavation on west end of	f phase 3 total excavation of 178 5', 23 rolls of 165' x 15', 28 rolls o	tery briefing and discussed work plan truck loads. Comanco unloaded Bi-pla of 155' x 15', 10 rolls of 200' x 15', 14 r	anar Geocomposite 32
PROJECT INSPECTOR: Paul Siriboury	DATE: 09/21/10	HOURS AT JOB SITE FROM 6:30 TO 18:30	TOTAL HOURS 11.5



		- 1975 - 197	DE	SCRIPTION	OF WORK		4. <del> </del>	
	RACT NAME: II PHASE 3 EXPANSIO		NTRACT NO: ITB 040-10	l l	9/22/2010	DAY OF W	VEEK: nesday	CONTRACT DAY NO. 80 OF 215
gi (200	The second	na sign	CON	TRACTOR IN	FORMATION			
	RACTOR: COMANCO							· · · · · · · · · · · · · · · · · · ·
		amond Tr						****
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							<del> </del>	
								<del>- 1-</del>
							TIME	(AM/PM)
		PERATI	ON AND LOCATI	ON	and the parallel	BEG	INNING	ENDING
Come	nco worked on excavat	ion from l	North West and fi	ll on East end	of phase 3	6:3	0 AM	6:30 AM
	PERSONNEL	NO	HOURS		M	ATERIALS RE	CEIVED	
			WORKED					
	SUPERVISOR	1	11.5	-				
	FOREMAN	1	11.5					
	SKILLED	3	11.5	9				
	TRUCK DRIVERS	2	10					
	LABOR		<u> </u>					
	MECHANIC							
GE	OTECHNICAL TECH							
			EQU	JIPMENT (AC	CTIVE/IDLE)	3. (496) April 1	win edilî	
Α	TANKS OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE	A			<u> </u>		Α	
1	BULLDOZER		SURVEYING E	QUIPMEN				
1	FRONT END LOADE	R	GPS BASE STA	ATION				
	GENERATOR							
	PUMP							
	ROLLER, STEEL WH	HEEL						
	TRACTOR, SKID ST	EER	ľ					
_	TRUCK, DUMP						_	
2	TRUCK, PICKUP							
2			1					
	TRUCK, WATER							
2	TRUCK, WATER TRUCK, FUEL	<del></del>						

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
			18 cy per truck load @ 77 loads			
#6	Cut	1,386 cy				
			+			
•						



SWM PHASE 3 EXPANSION	ITB 040-10	DATE: 9/22/2010	Wednesday	NO: 80 OF 215
OWNER PRODUCTION	110040-10	372272010	Wednesday	110.00 01 213
WEATHER CONDITIONS:	_		AVY CLOUDS	FOG
TEMPERATURE:	91 HIGH 72	_LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
WIND: W	NONE X SLIGHT IND SPEED: MF	STRONG  PH WIND DIRECTION:	not rec	corded
	2ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT		ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY		
#6	x			ALE DAT
	- п	П	П	
			П	П
	- <u> </u>	П	П	П
		П		
	CONTRACTOR PHOTO	O INFORMATION:		
NUMBER OF PHOTOS	e dominente dominente dominente en exercica e Por a la como en en en en en en en en en en en en en			
	PHO	TO ID NUMBERS		
	—   <del>  - · · · · · · · · · · · · · · · · · · </del>			
1				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/22/2010	Wednesday	NO. 80 of 215

GENERAL COMMENTS: Comanco ons	at and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and of about 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last and 2 to the last	/ briefing and discussed work plan f	or today. Comanco
continued to worked on excavation on w	est end of phase 3 total excavati	on of // truck loads. Comanco unic	aged GCL total of 45
rolls.			
			•
			i
	,		
Ì			
<u> </u>			<u> </u>
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/22/10	FROM 6:30 TO 18:30	11.5
- au omboury	UUIEE/ IU	1 1 1 10 10 10 10 10 10 10 10 10 10 10 1	11.0



CONTRACT NAME:	To	ONTRACT NO:	SCRIPTION OF WO		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANS	1	ITB 040-10	9/23/20		Thuesday	NO. 81 OF 215
	1 + 25	CONT	RACTOR INFORMA	ATION		
CONTRACTOR: COMANO	O ENV	IRONMENTAL CON	ISTRUCTION CORP	ORATION		
SUBCONTRACTORS:						
ı _ş ıı						
			Liver and the second second	Silver Charles (acception)		(AM/PM)
			ON	<b>阿里安尔</b>	BEGINNING	
Comenco excavation on so Comanco continued to set u			0		6:30 AM	6:30 AM
Comanco continued to set u	p pump	on west end of phas	se 3	-		
		· · · · · · · · · · · · · · · · · · ·	* -			<b>.</b>
nga kanalangan persebagai salah berangan persebagai salah berangan persebagai salah berangan persebagai salah b	100	HOURS		, e. , <u>1, 5,</u> deserció.	neturation van Groot planet Klad	er Prinsippen de Sageria
PERSONNEL	NO	WORKED		MATE	RIALS RECEIVED	
SUPERVISOR	2	11.5	TANGET STORY		<u> 1995) (1993) 2. 933 (1., 571, 37 (376)</u>	
FOREMAN		11.5				
SKILLED		11.5				
TRUCK DRIVERS						
			· ,·			
LABOR						
MECHANIC						<del></del>
MECHANIC GEOTECHNICAL TECH		EQU	IIPMENT (ACTIVE/II	DLE)		
MECHANIC			A	GOOD FRANK ARREST	<b>A</b>	
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD		A	A QUIPMEN	GOOD FRANK ARREST	A	
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR		A SURVEYING E	A QUIPMEN	GOOD FRANK ARREST	A	
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP	ER	A SURVEYING E	A QUIPMEN	GOOD FRANK ARREST	A	
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W	ER HEEL	A SURVEYING E	A QUIPMEN	GOOD FRANK ARREST	A	
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S	ER HEEL	A SURVEYING E	A QUIPMEN	GOOD FRANK ARREST	A	
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID STRUCK, DUMP	ER HEEL	A SURVEYING E	A QUIPMEN	GOOD FRANK ARREST	A	
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID STEUCK, DUMP 3 TRUCK, PICKUP	ER HEEL	A SURVEYING E	A QUIPMEN	GOOD FRANK ARREST	A	
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID STRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER	ER HEEL	A SURVEYING E	A QUIPMEN	GOOD FRANK ARREST	A	
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S' TRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL	ER HEEL	A SURVEYING E	A QUIPMEN	GOOD FRANK ARREST	A	
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID STRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER	ER HEEL	A SURVEYING E	A QUIPMEN	GOOD FRANK ARREST	A	
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S' TRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	HEEL EER	SURVEYING EC GPS BASE STA	A QUIPMEN ATION			
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S' TRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	HEEL EER	SURVEYING EC GPS BASE STA	QUIPMEN ATION CUANTITY INCREA	SES TODA	Y	ULATIONS
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S TRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	HEEL	SURVEYING EC GPS BASE STA	A QUIPMEN ATION	SES TODA		ULATIONS
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S' TRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	HEEL	SURVEYING EC GPS BASE STA	QUIPMEN ATION CUANTITY INCREA	SES TODA	Y	ULATIONS
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S' TRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	HEEL	SURVEYING EC GPS BASE STA	QUIPMEN ATION CUANTITY INCREA	SES TODA	Y	ULATIONS
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S' TRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	HEEL	SURVEYING EC GPS BASE STA	QUIPMEN ATION CUANTITY INCREA	SES TODA	Y	ULATIONS
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S' TRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	HEEL	SURVEYING EC GPS BASE STA	QUIPMEN ATION CUANTITY INCREA	SES TODA	Y	ULATIONS
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S' TRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	HEEL	SURVEYING EC GPS BASE STA	QUIPMEN ATION CUANTITY INCREA	SES TODA	Y	ULATIONS
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S' TRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	HEEL	SURVEYING EC GPS BASE STA	QUIPMEN ATION CUANTITY INCREA	SES TODA	Y	ULATIONS
MECHANIC GEOTECHNICAL TECH  A  1 BULLDOZER 1 FRONT END LOAD GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID S' TRUCK, DUMP 3 TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	HEEL	SURVEYING EC GPS BASE STA	QUIPMEN ATION CUANTITY INCREA	SES TODA	Y	ULATIONS



WEATHER CONDITIONS: CLEAR X PARTLY CLOUDY HEAVY CLOUDS FO  TEMPERATURE: 92 HIGH 72 LOW TEMPERATURE RESTRICTION SPECIFICATION NO:  WIND: NONE X SLIGHT STRONG WIND SPEED: MPH WIND DIRECTION: not recorded  RAIN: X NONE LIGHT HEAVY SHOWERS 1ST RAINFALL: START: END: RAIN IN: 2ND RAINFALL: START: END: Not recorded as rain occurred during non-working hours  RAIN DURATION: X 0-2 HRS 72-4 HRS 74-6 HRS ALL DAY	****
TEMPERATURE: 92 HIGH 72 LOW TEMPERATURE RESTRICTION SPECIFICATION NO:  WIND: NONE X SLIGHT STRONG WIND SPEED: MPH WIND DIRECTION: not recorded  RAIN: X NONE LIGHT HEAVY SHOWERS 1ST RAINFALL: START: END: RAIN IN 1 2ND RAINFALL: START: END: Not recorded as rain occurred during non-working hours	•
WIND: NONE X SLIGHT STRONG WIND SPEED: MPH WIND DIRECTION: not recorded  RAIN: X NONE LIGHT HEAVY SHOWERS  1ST RAINFALL: START: END: RAIN IN 1 2ND RAINFALL: START: END: Not recorded as rain occurred during non-working hours	G
WIND SPEED: MPH WIND DIRECTION: not recorded  RAIN: X NONE LIGHT HEAVY SHOWERS  1ST RAINFALL: START: END: RAIN IN 1  2ND RAINFALL: START: END:  Not recorded as rain occurred during non-working hours	
1ST RAINFALL: START: END: RAIN IN 2ND RAINFALL: START: END:  Not recorded as rain occurred during non-working hours	
	GUAGE
WORKING CONDITIONS: X EXCELLENT GOOD FAIR POOR BAI	D
DURATION OF X ACCEPTABLE MORE THAN 50% LESS THAN 50% UNACCE ACCEPTABLE ALL DAY OF WORK DAY OF WORK DAY CONDITIONS:	EPTABLE Y
SOIL CONDITIONS: X DRY WET EXTREMELY WET	
EFFECTS OF WEATHER ON MAJOR WORK ITEMS	
	NO WORK ALL DAY
#6 x	
PHOTO INFORMATION: NUMBER OF PHOTOS TAKEN:	
PHOTO ID NUMBERS	
	$\dashv$
Western	
VISITORS:	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/23/2010	Thursday	NO. 81 of 215

excavation on south slope and smoot Comanco worked on grade the swale	h roll the floor area. Liner crew o	nsite with 1 supervisor and 3 Technici	an filled sand bags.
PROJECT INSPECTOR: Paul Siriboury	DATE: 09/23/10	HOURS AT JOB SITE FROM 6:30 TO 18:30	TOTAL HOURS 11.5



	DES	CRIPTION OF WORK		and the fair
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/24/2010	Friday	NO. 82 OF 215
	CONTR	ACTOR INFORMATION	Garage Control	
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONS	TRUCTION CORPORATION	N	
SUBCONTRACTORS:				
				·
	<del></del>		ATTIME (	AM/PM)
OPEF	RATION AND LOCATION	<b>N</b> S TABLES STATES	BEGINNING	ENDING
Comenco excavation on south slo	ope of phase 3	· · · · · · · · · · · · · · · · · · ·	6:30 AM	3:00 PM
Comanco filled on East end of pha	ase 3			
			·	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	8	
FOREMAN	1	8	
SKILLED	6	8	
TRUCK DRIVERS	2	8	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		EQUIPMENT (ACTIVE/IDLE)  A A A
1	I BULLDOZER	SURVEYING EQUIPMEN
1	FRONT END LOADER	GPS BASE STATION
	GENERATOR	
	PUMP	
1	ROLLER, STEEL WHEEL	
	TRACTOR, SKID STEER	
2	TRUCK, DUMP	
3	TRUCK, PICKUP	
1	TRUCK, WATER	
	TRUCK, FUEL	
1	TRACKHOE	

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
			86 loads base on 18 cy per truck load			
6	Excavation and fill	1,548 cy				
_						
		[				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY			
SWM PHASE 3 EXPANSION	ITB 040-10	9/24/2010	Friday	NO: 82 OF 215			
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG			
TEMPERATURE:	84 HIGH <u>72</u>	LOW TEMPER	RATURE RESTRICT! SPECIFICATION N				
<u></u>	_NONE x SLIGHT ND SPEED: MP		not i	recorded			
1		ART:	SHOWERS END:	RAIN IN GUAGE			
RAIN DURATION:	Not recorded as rain of 0-2 HRS 2-4 HRS	occurred during non-workin 4-6 HRS	g hours  ALL DAY				
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD			
DURATION OF DESCRIPTION OF DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDITION DE CONDI			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY			
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ΞT				
· [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS				
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	•					
#6	x						
NUMBER OF PHOTOS	wall to the August and State of the August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August August A	O INFORMATION:					
NUMBER OF PHOTOS TAKEN:  PHOTO ID NUMBERS							
<del></del>							
VISITORS:							



Ì	CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
1	SWM PHASE 3 EXPANSION	ITB 040-10	9/24/2010	Friday	NO. 82 of 215	

Paul Siriboury	09/24/10	FROM 6:30 TO 15:00	8
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
•			
	<b>3</b> ***		
Technician continued to filled sand	bags.	oll the floor area. Liner crew onsite with	, supervisor and o
continued excavation on south slot	ne total of 86 loads and smooth r	nii the tioor area i iner crew ongite with	EDDAMISOLADO 3



			DI	ESCRIPTION	OF WORK		<u> </u>
CONTRACTOR INFORMATION  CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION  SUBCONTRACTORS:  TIME (AM/PM)  OPERATION AND LOCATION  BEGINNING  FORDIN  FOREMAN  SKILLED  TRUCK ORIVERS  LABOR  MECHANIC  GEOTECHNICAL TECH  FROM END LOADER  GENERATOR  SUPEVING EQUIPMENT (ACTIVE/IDLE)  A  A  A  BULLDOZER  SUPEVING EQUIPMENT  FROM END LOADER  GENERATOR  PUMP  ROLLER, STEEL WHEEL  TRACTOR, SKID STEER  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, DIMP  TRUCK, WATER  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  TRUCK, FUEL  CONTRACT QUANTITY INCREASES TODAY						DAY OF WEEK:	CONTRACT DAY
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION SUBCONTRACTORS:  TIME (AM/PM)  DEFINING  OPERATION AND LOCATION  BEGINNING  ENDIN  BEGINNING  ENDIN  MATERIALS RECEIVED  SUPERVISOR  FOREMAN  SKILLED  TRUCK DRIVERS  LABOR  MECHANIC  GEOTECHNICAL TECH  FRONT END LOADER  GENERATOR  PUMP  ROLLER, STEEL WHEEL  TRACKOPE, WATER  TRUCK, DUMP  TRUCK, DUMP  TRUCK, DUMP  TRUCK, WATER  TRUCK, FICKUP  TRUCK, WATER  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FICKUP  TRUCK, FIC	SWM PHASE 3 EXPANSION	ON	ITB 040-10		9/25/2010	Saturday	NO. 83 OF 215
PERSONNEL NO HOURS WORKED  SUPERVISOR FOREMAN SKILLED  TRUCK DRIVERS  LABOR MECHANIC  GEOTECHNICAL TECH  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GENERATOR PUMP  FOREMAN GENERATOR FOREMAN A A A A STATEMENT OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF TH							
PERSONNEL NO HOURS WORKED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRUCK, DUMP TRUCK, DIVINE TRUCK, DUMP TRUCK, DIVINE CONTRACT QUANTITY INCREASES TODAY		) ENVIRO	DNMENTAL CO	NSTRUCTION	CORPORATION	DN	
PERSONNEL NO HOURS WORKED MATERIALS RECEIVED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH PRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, SKIELED GENERATOR PUMP ROLLER, SKIELED GENERATOR TRUCK, DUMP TRUCK, PICKUP TRUCK, PICKUP TRUCK, PICKUP TRUCK, FUEL TRACKHOE CONTRACT QUANTITY INCREASES TODAY	SUBCONTRACTORS:						
PERSONNEL NO HOURS WORKED MATERIALS RECEIVED  SUPERVISOR FOREMAN SKILLED TRUCK PROPERTY OF TRUCK PICKUP PROCESS TO TRUCK DIVERS A A A A A A A A A A A A A A A A A A A							
PERSONNEL NO HOURS WORKED MATERIALS RECEIVED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PUCKUP TRUCK, WATER TRUCK, PUCKUP TRUCK, FUEL TRACKHOE CONTRACT QUANTITY INCREASES TODAY							
PERSONNEL NO HOURS WORKED MATERIALS RECEIVED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PUCKUP TRUCK, WATER TRUCK, PUCKUP TRUCK, FUEL TRACKHOE CONTRACT QUANTITY INCREASES TODAY			54				
PERSONNEL NO HOURS WORKED MATERIALS RECEIVED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PUCKUP TRUCK, WATER TRUCK, PUCKUP TRUCK, FUEL TRACKHOE CONTRACT QUANTITY INCREASES TODAY	<del></del> "·					Territor Anderson	(ALL/DEA)
PERSONNEL NO HOURS WORKED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE) A A A A BULLDOZER FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	vite viert, gMga er i eta gia ira	DEDATIC	NI AND LOCAT	ION	tera Paga a dier die		
SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FUEL TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		PERAIL	ON AND LOCAT	IUN		BEGINNING	ENDING
SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FUEL TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY							-
SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FUEL TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY							
SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		•		···			
SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY			HOURS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			un agricina de la companya de la companya de la companya de la companya de la companya de la companya de la co
SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	PERSONNEL	NO	the state of the state of the state of		MA	ATERIALS RECEIVED	
SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	SUPERVISOR			TOTAL DESIGNATION		a year or manangan yang arang basa da banan arang	en 100 in en en partiern en beste 1900.
TRUCK DRIVERS  LABOR  MECHANIC  GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	FOREMAN						
LABOR MECHANIC GEOTECHNICAL TECH  EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FUCKUP TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	SKILLED						
MECHANIC GEOTECHNICAL TECH  EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	TRUCK DRIVERS						, <u>,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,</u>
BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	LABOR		1				
EQUIPMENT (ACTIVE/IDLE)  A A A A A  BULLDOZER SURVEYING EQUIPMEN  FRONT END LOADER GPS BASE STATION  GENERATOR PUMP  ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP  TRUCK, DUMP  TRUCK, PICKUP  TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	MECHANIC						·
BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	GEOTECHNICAL TECH						
BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY							
BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY			EQ	UIPMENT (AC	TIVE/IDLE)		
FRONT END LOADER GPS BASE STATION  GENERATOR  PUMP  ROLLER, STEEL WHEEL  TRACTOR, SKID STEER  TRUCK, DUMP  TRUCK, PICKUP  TRUCK, WATER  TRUCK, FUEL  TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		A					profite a state of the
GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		_	<del></del>			·	
PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		H	GPS BASE ST	ATION			
ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY							
TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		·cci	<b></b>		<del></del>		
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY						<del></del>	
TRUCK, PICKUP TRUCK, WATER TRÜCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY					-		
TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY				<del></del>		<del>-     -</del> -	
TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY							
TRACKHOE CONTRACT QUANTITY INCREASES TODAY			<u>†</u>		<del></del>		<del></del>
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			CONTRACT	QUANTITY I	NCREASES TO	DAY	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY			
SWM PHASE 3 EXPANSION	ITB 040-10	9/25/2010	Saturday	NO: 83 OF 215			
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG			
TEMPERATURE: _	84 HIGH 72 	_ <b>_</b>	RATURÉ RESTRICTION SPECIFICATION NO				
WIND: WII	NONE X SLIGHT ND SPEED: MP	STRONG H WIND DIRECTION:	not rec	orded			
	ND RAINFALL: ST		END:	RAIN IN GUAGE			
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY				
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD			
DURATION OF CACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY			
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	т				
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS				
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY					
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NUMBER OF PHOTOS		INFORMATION:					
PHOTO ID NUMBERS							
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VISITORS:							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/25/2010	Saturday	NO. 83 of 215

GENERAL COMMENTS: Comanco r	not onsite. No work planned or per	formed.	<del></del>
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PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/25/10	FROM 0:00 TO 0:00	0



		CON	TRACT NO:	SCRIPTION O			EEV.	CONTRACT DAY
CONTRACT NAME: SWM PHASE 3 EXF				DATE:	26/2010	DAY OF W		
SWM FIASE 3 EXP			LIP 040-10	TRACTOR INFO	PMATION	Juli	uay	140. 64 OF 215
CONTRACTOR: COI	MANCO EN	IVIBO	NMENTAL CON	ISTRUCTION C	ORPORATIO	M	Salata III	<u>in a Dagli Billitaa bahar eti arg</u>
SUBCONTRACTORS:			WINEWIAL OOF	STITIO TION C	OH OHATIO			
- COBOONTIAO TOTIO			•					
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						ngskyr ngsyðatas	TIME	(AM/PM)
	OPER	RATIO	N AND LOCAT	ON				ENDING
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PERSONNEL		10	HOURS			TERIALS REC	TWED	
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A			EQL	JIPMENT (ACT	VE/IDLE)	2 (1.1.6) (2.11) (4.1.7)		
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FRONT END L	.OADER		GPS BASE STA	ATION				
GENERATOR	OADER		GPS BASE STA	ATION				
GENERATOR PUMP			GPS BASE STA	ATION				
GENERATOR PUMP ROLLER, STE	EL WHEEL		GPS BASE STA	ATION				
GENERATOR PUMP ROLLER, STE TRACTOR, SK	EL WHEEL		GPS BASE STA	ATION				
GENERATOR PUMP ROLLER, STE TRACTOR, SK TRUCK, DUMI	EL WHEEL		GPS BASE ST	ATION				
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GENERATOR PUMP ROLLER, STE TRACTOR, SK TRUCK, DUMF TRUCK, PICK TRUCK, WATE	EL WHEEL (ID STEER D UP ER		GPS BASE ST	ATION				
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GENERATOR PUMP ROLLER, STE TRACTOR, SK TRUCK, DUMF TRUCK, PICK TRUCK, WATE	EL WHEEL (ID STEER D UP ER		GPS BASE STA	ATION				
GENERATOR PUMP ROLLER, STE TRACTOR, SK TRUCK, DUMF TRUCK, PICKI TRUCK, WATE TRUCK, FUEL TRACKHOE	EL WHEEL  XID STEER  DUP  ER				REASES TO	DAY		
GENERATOR PUMP ROLLER, STE TRACTOR, SK TRUCK, DUMF TRUCK, PICK TRUCK, WATE TRUCK, FUEL	EL WHEEL IID STEER D UP ER		CONTRACT			DAY REMARKS AN		
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GENERATOR PUMP ROLLER, STE TRACTOR, SK TRUCK, DUMF TRUCK, PICKI TRUCK, WATE TRUCK, FUEL TRACKHOE	EL WHEEL IID STEER D UP ER		CONTRACT	QUANTITY INC				
GENERATOR PUMP ROLLER, STE TRACTOR, SK TRUCK, DUMF TRUCK, PICKI TRUCK, WATE TRUCK, FUEL TRACKHOE	EL WHEEL IID STEER D UP ER		CONTRACT	QUANTITY INC				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/26/2010	Sunday	NO: 84 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTI	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	89 HIGH 72	<u> </u>	RATURE RESTRICTION SPECIFICATION NO:	
	NONE X SLIGHT ND SPEED: MP		not rec	orded
1	<del>_</del>	ART:	END:	RAIN IN GUAGE
RAIN DURATION: [	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENTGOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	DRY WET	EXTREMELY WE	:T	
医阴茎囊 医皮肤	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF PHOTOS	TAI/EAL	O INFORMATION:		
	PHOT	O ID NUMBERS		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/26/2010	Sunday	NO. 84 of 215

GENERAL COMMENTS:	Comanco not onsite.	No work planned or pe	rformed.	
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PROJECT INSPECTOR:	DATE	<u>:</u>	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury		09/26/10	FROM 0:00 TO 0:00	0



	DES	CRIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 9/27/2010	DAY OF WEEK: Monday	CONTRACT DAY NO. 85 OF 215
	CONT	RACTOR INFORMATION	Altania (n. 1866)	
CONTRACTOR: COMANCO EN	VIRONMENTAL CONS	STRUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport			
				<u></u>
			TIME (A	M/PM)
OPER	RATION AND LOCATIO	N The Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art of the Art o	BEGINNING	ENDING
Comenco excavation on south slo	6:30 AM	6:30 PM		
Comanco filled on East end of pha	ase 3			
				·

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11.5	
FOREMAN	1	11.5	
SKILLED	6	11.5	
TRUCK DRIVERS	1	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		EQUIPMENT (ACTIVE/IDLE) A A A
1	BULLDOZER	SURVEYING EQUIPMEN
1	FRONT END LOADER	GPS BASE STATION
	GENERATOR	
	PUMP	
1	ROLLER, STEEL WHEEL	
	TRACTOR, SKID STEER	
1	TRUCK, DUMP	
3	TRUCK, PICKUP	
	TRUCK, WATER	
	TRUCK, FUEL	
1	TRACKHOE	

CONTRACT QUANTITY INCREASES TODAY				
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS	
			86 loads base on 18 cy per truck load	
6	Excavation and fill	1,548 cy		
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		_ <del>_</del>		
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/27/2010	Monday	NO: 85 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE: _	92 HIGH 72	LOW TEMPER	RATURE RESTRICTION NO SPECIFICATION NO	
WIND: WIND	NONE X SLIGHT OF SPEED: MP	STRONG "H WIND DIRECTION:	not rec	corded
15	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF XACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY X WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF PHOTOS	The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th	O INFORMATION:		
	PHOT	TO ID NUMBERS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/27/2010	Monday	NO. 85 of 215

GENERAL COMMENTS: Comanco on Comanco continued to worked on exca			for today.
Comanco pump storm water out of exp	ansion area from overnight rain.		
Liner crew onsite with 1 supervisor and Total excavation 51 loads.	d 3 Technician continued to filled	sand bags.	
Total excavation 31 loads.			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/27/10	FROM 6:30 TO 18:30	11.5

Paul Siriboury



	DESC	RIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 9/28/2010	DAY OF WEEK: Tuesday	CONTRACT DAY NO. 86 OF 215
	<u> </u>	ACTOR INFORMATION		2.7 2.7 2.0 C
CONTRACTOR: COMANCO EN	VIRONMENTAL CONST	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport			
			*	
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			,, <u>,</u>	<del>,</del> .
		- · · · · · · · · · · · · · · · · · · ·		
			TIME (A	M/PM)
OPER	RATION AND LOCATION		BEGINNING	ENDING
Comenco excavation on south sk	ope of phase 3		6:30 AM	6:30 PM
Comanco filled on East end of pha	ase 3			
		<del></del> ;		
			****	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11.5	
FOREMAN	1	11.5	
SKILLED	6	11.5	
TRUCK DRIVERS	2	10	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Ā		Α	EQUIPMENT (	ACTIVE/IDLE) A	A	
2	BULLDOZER		SURVEYING EQUIPMEN			
1	FRONT END LOADER		GPS BASE STATION			<u> </u>
	GENERATOR					
П	PUMP					1
1	ROLLER, STEEL WHEEL					
	TRACTOR, SKID STEER					1
1	TRUCK, DUMP					1
3	TRUCK, PICKUP					
	TRUCK, WATER					
	TRUCK, FUEL					
1	TRACKHOE	1				

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
			69 loads base on 18 cy per truck load			
6	Excavation	1,242 cy				
			16 loads base on 18 cy per truck load			
3	Clearing and grubbing	288 cy	<u> </u>			
			9 loads base on 18 cy truck load			
5	Fabriform concrete	162 cy				
		<u> </u>				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	9/28/2010	Tuesday	NO: 86 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	92 HIGH 72	LOW TEMPER	NATURE RESTRICTION SPECIFICATION NO	
<b>WIN</b> D: W	NONE X SLIGHT IND SPEED: MP	STRONG  WIND DIRECTION:	not red	corded
	2ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY X WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM:	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF W	
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NUMBER OF PHOTO	r gagaga at againmha an i an teach againmhach an an teach a ta	O INFORMATION:		Karaja ja
	РНОТ	O ID NUMBERS		
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WOITODO.				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/28/2010	Tuesday	NO. 86 of 215

Paul Siriboury	09/28/10	FROM 6:30 TO 18:30	11.5
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
[			
1			
Total excavation 96 loads dirt, 16 L			
Liner crew onsite with 1 supervisor			
Comanco removed fabriform from			
Comanco clearing and removing gr			
Comanco continued to worked on Comanco pump storm water out of			
		safety briefing and discussed work plan	for today.
CENEDAL COMMENTO, Comment		and a section of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	1 1



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ONTRACT NAME: SWM PHASE 3 EXPANSIO		NTRACT NO: ITB 040-10	DATE: 9/29/2010	DAY OF WEEK: wednesday	CONTRACT DAY NO. 87 OF 215
	··		RACTOR INFORMATION	wednesday	110:07 01 213
CONTRACTOR: COMANCO	FNVIRO			)N	
UBCONTRACTORS:					•
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				TIME	
0.00			N .		
omenco excavation on sout				6:30 AM	5:30 PM
omanco filled on East end o	phase 3				
		HOURS			
PERSONNEL	NO	WORKED		ATERIALS RECEIVED	
SUPERVISOR	2	10.5		<u> </u>	<u> </u>
FOREMAN	1	10.5		<del></del>	·
SKILLED	6	10.5	, <u>, , , , , , , , , , , , , , , , , , </u>		<del></del>
TRUCK DRIVERS	1	9	<del></del>		,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
LABOR			<del>-</del>		
MECHANIC			<del></del>		··· <u> </u>
GEOTECHNICAL TECH			w · ·		· ·
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	T (Control	EQUI	PMENT (ACTIVE/IDLE)		
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1 BULLDOZER		SURVEYING EQ	UIPMEN		
1 FRONT END LOADER	٦	GPS BASE STAT	ION		
GENERATOR					
PUMP					
1 ROLLER, STEEL WH	EEU				
TRACTOR, SKID STE	ER				
1 TRUCK, DUMP					
3 TRUCK, PICKUP				·	
3 TRUCK, PICKUP TRUCK, WATER			1 1		
			-		
TRUCK, WATER					
TRUCK, WATER TRUCK, FUEL					
TRUCK, WATER TRUCK, FUEL 1 TRACKHOE		CONTRACT	WANTITY INCREASES TO	DDAY	
TRUCK, WATER TRUCK, FUEL 1 TRACKHOE	ITEM			DDAY REMARKS AND CALC	ULATIONS
TRUCK, WATER TRUCK, FUEL 1 TRACKHOE					JLATIONS
TRUCK, WATER TRUCK, FUEL 1 TRACKHOE					ULATIONS
TRUCK, WATER TRUCK, FUEL 1 TRACKHOE					ULATIONS



SWM PHASE 3 EXPANSION  WEATHER CONDITIONS:   TEMPERATURE:		LOW TEMPER	Wednesday  VY CLOUDS  RATURE RESTRICTION	NO: 87 OF 215
•	86 HIGH 71  NONE X SLIGHT	LOW TEMPER		
TEMPERATURE:	NONE X SLIGHT	-	RATURE RESTRICTION	
			SPECIFICATION N	
WIND: [ Wi		STRONG  PH WIND DIRECTION:	not i	recorded
	ND RAINFALL: ST	ART:	SHOWERS END:	RAIN IN GUAGE
RAIN DURATION: [	0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	DRY X WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED M THAN 50% OF V	
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NUMBER OF PHOTOS	Target and section for the first and the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the first of the fir	O INFORMATION:		
	PHO	O ID NUMBERS		
			-	
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/29/2010	Wednesday	NO. 87 of 215

GENERAL COMMENTS: Comand	o onsite at 6:30 am. Su	per held safety briefing and d	iscussed work plan fo	or today. Comanco
continued to worked on North-Wes	t slope area.			
Comanco clearing and removal of	grasson North slope. 1:	15 PM HDPE pipe arrive on si	ite comanco unload t	he pipe in stockpile on
materials storage area.		• •		
Liner crew continued to filled sand	bags.			
1:35 PM start rain.	· ·			
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PROJECT INSPECTOR:	DATE:	HOURS AT J	OB SITE	TOTAL HOURS

09/29/10

FROM 6:30 TO 17:30

Paul Siriboury

10.5



NTRACT NAME:		•	SCRIPTION OF WORK	IDAY OF WEEK	Toournier no
ONTRACT NAME: SWM PHASE 3 EXPANSIO		NTRACT NO: ITB 040-10	DATE: 9/30/2010	DAY OF WEEK:	CONTRACT DAY
SWIN PHASE 3 EXPANSION	N		RACTOR INFORMATION	Thursday	NO. 88 OF 215
CONTRACTOR: COMANCO					
UBCONTRACTORS:	CINVIN	ONWENTAL CON	STRUCTION CORPORAT	ION	
DBCONTRACTORS:		<del></del> .			
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Consumer Fill Million and the Consumer control of the Consumer	) EDATI	ON AUDITORIA	No. 2 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10 Charles Co. 10		(AM/PM)
			ON TELESCOPE NO		ENDING
omenco excavation on south				6:30 AM	6:30 PM
omanco filled on East end of	phase 3	3			
				, <u></u> .	
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PERSONNEL	NO	HOURS	N	MATERIALS RECEIVED	
OUDED 4000	6376380	WORKED			
SUPERVISOR	2	10.5			<del></del>
FOREMAN	1	10.5			
SKILLED	6	10.5		·····	
TRUCK DRIVERS	1	9			
LABOR			···		
MECHANIC		<u> </u>			
GEOTECHNICAL TECH					
			IPMENT (ACTIVE/IDLE)		
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1 BULLDOZER		SURVEYING EC			
1 FRONT END LOADER		GPS BASE STA	TION		··· ·
GENERATOR					
PUMP					
1 ROLLER, STEEL WHE					
TRACTOR, SKID STE	ER				
1 TRUCK, DUMP		<u> </u>			
3 TRUCK, PICKUP					
-					
TRUCK, WATER					
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ITEM NO.	ITEM	QUANTITY	ASES TODAY REMARKS AND CALCULATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/30/2010	Thursday	NO: 88 OF 215
WEATHER CONDITIONS:	CLEAR X PARTI	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	86 HIGH 71	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT IND SPEED: MF	STRONG PH WIND DIRECTION:	not rec	corded
	2ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY X WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM:	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF WO	
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NUMBER OF PHOTO	ASAN 145-04-1-1599   MESP 98-98899 245-025-025-025-025-025-025-025-025-025-02	O INFORMATION:		
	PHOT	O ID NUMBERS		
		<del></del>	-+	
<u></u>				
VISITORS:		*****		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	9/30/2010	Thursday	NO. 88 of 215

GENERAL COMMENTS: Coman	co onsite at 6:30 am.	Super held safety briefing a	nd discussed work plan f	or today. Comanco
continued to worked on North-Wes	st slope area.		•	•
Comanco clearing and removal of		1:15 PM HDPE pipe arrive	on site comanco unload	the pipe in stockpile on
materials storage area.	·	, .		
Liner crew continued to filled sand	d bags.			
1:35 PM start rain.				
				*
PROJECT INSPECTOR:	DATE:	HUIBG	AT JOB SITE	TOTAL HOURS
	DAIL.	HOUNS	AT JOD OHL	IOIALIIOUNG

09/30/10

FROM 6:30 TO 18:30

Paul Siriboury

11.5



	DESC	RIPTION OF WORK		100
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/1/2010	Friday	NO. 89 OF 215
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS:		· · · · ·		
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
Comenco excavation on south slo	ope of phase 3		7:00 AM	3:30 PM
Comanco filled on East end of pha	ase 3			
	•			

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	8	
FOREMAN	1	8	
SKILLED	6	8	
TRUCK DRIVERS	3	8	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		EQUIPMENT (ACTIVE/IDLE)  A A A A
1	BULLDOZER	SURVEYING EQUIPMEN
1	FRONT END LOADER	GPS BASE STATION
	GENERATOR	
	PUMP	
1	ROLLER, STEEL WHEEL	
	TRACTOR, SKID STEER	
1	TRUCK, DUMP	
3	TRUCK, PICKUP	
	TRUCK, WATER	
	TRUCK, FUEL	
1	TRACKHOE	

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
			96 truckloads based on 18 cy capacity			
6	Excavation	1,728 cy				
			}			
		<del> </del>				
			İ			
	<del></del>					
		i	<u> </u>			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/1/2010	Friday	NO: 89 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE: _	86 HIGH 71	- 🗀	RATURE RESTRICTION NO SPECIFICATION NO	
	NONE XSLIGHT ND SPEED: MF	STRONG  "H WIND DIRECTION:	not re	corded
1	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	occurred during non-workin 4-6 HRS	g nours  ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY x WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
#6		х		
	_ 🗆			
NUMBER OF PHOTOS		O INFORMATION:		
		FO ID NUMBERS		
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L				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/1/2010	Friday	NO. 89 of 215

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
			,
Liner crew continued to fill sand bags. Total of excavation of 1,728 cy today.			
continued excavation work on the west Comanco unloaded 58 rolls of 60 mil. H	end of cell 3. IDPE liner and stockpiled the rol	Is on the North area of cell 3.	



CONTRACT NAME:	COI	NTRACT NO:	DATE:		DAY OF WEEK:	
SWM PHASE 3 EXPANS	ON I	ITB 040-10		10/2/2010	Saturday	NO. 90 OF 215
		CON	TRACTOR INF	ORMATION		
CONTRACTOR: COMANO						
SUBCONTRACTORS:						
					·	
					TIME	(AM/PM)
	OPERATION	ON AND LOCAT	ION			ENDING
			·			
	·					
PERSONNEL	NO	HOURS		M	ATERIALS RECEIVED	
		WORKED				
SUPERVISOR	1		<u> </u>			
FOREMAN						
SKILLED						
TRUCK DRIVERS						
LABOR						
MECHANIC						
GEOTECHNICAL TECH		1	<u></u>			
		EQ	UIPMENT (AC	TIVE/IDLE)		
A	Α.				Α	
BULLDOZER		SURVEYING E				
FRONT END LOAD	ER	GPS BASE ST	ATION			
GENERATOR						
PUMP						
ROLLER, STEEL W						
TRACTOR, SKID S	EER			_		
TRUCK, DUMP		ļ				
TRUCK, PICKUP						
TRUCK, WATER						
TRUCK, FUEL		ļ				
TRACKHOE		<u> </u>		<u> </u>		
		0007540	- CHARLETTON	000000000000000000000000000000000000000	Maria National Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro	
ITEM NO.	ITEM					
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/2/2010	Saturday	NO: 90 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:		- <u>-</u>	RATURE RESTRICTION SPECIFICATION NO:	
L	NONE X SLIGHT ND SPEED: MF	STRONG PH WIND DIRECTION:	not rec	orded
	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENTGOOD	x FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	DRY X WET	EXTREMELY WE	ΞΤ	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF PHOTOS	our first of each table to the transfer that and the second	O INFORMATION:		
Nomber of Thoroc		TO ID NUMBERS		
VISITORS:	1			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/2/2010	Saturday	NO. 90 of 215

GENERAL COMMENTS:	Comanco not on site. N	lo work planned or perf	ormed.	
			4	
DDO IFOT WAS TO THE				-
PROJECT INSPECTOR:	DATE:	10/00/10	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury		10/02/10	FROMTO	



CONTRACT NAME:			SCRIPTION OF	WORK	Is an as week	700000000000000000000000000000000000000
SWM PHASE 3 EXPANSI		NTRACT NO: ITB 040-10		V0040	DAY OF WEEK:	CONTRACT DAY NO. 91 OF 215
SWIN PHASE 3 EXPANSI				MATION	Sunday	<del></del>
CONTRACTOR: COMANC	O FNVIRO	NIMENTAL CON	STRUCTION CO	RPORATION	<u> </u>	
SUBCONTRACTORS:	<u> </u>	JINIE 1717 12 00.1	31110011011	TH OTHER		
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					<del> </del>	· · · · · · · · · · · · · · · · · · ·
					TIME	
	OPERATION	ON AND LOCATION	ON .	H Flydy	BEGINNING	ENDING
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			<del></del> -			
					<u>.                                    </u>	
ki, kija in jina ji bina.	Basing 1997	HOURS			19. v 8.89, i 80a († 910.80	がいた。そうないは「雑様を <b>多</b> 数
PERSONNEL	NO	WORKED			ERIALS RECEIVED	
SUPERVISOR	<u> </u>	100, (*** <b>**</b> *** *** *** *** ***	<u> 101 a le délig Best destes</u>	He all three little	<u>ani a mina paga ja spaana</u>	<u>an Marang Julius (1888) kang d</u>
FOREMAN	<del></del>	<del> </del>		·		
SKILLED						<del></del>
TRUCK DRIVERS						
LABOR						
MECHANIC						
GEOTECHNICAL TECH	L	<u> </u>				
Final Crops of Fig. 18	1 19.14				<del></del>	
		LQυ	IPMENT (ACTIV	E/IDLE)		
BULLDOZER	(1941) A:	SURVEYING EC	CARLASTER STALLERS FOR AN		A	
FRONT END LOADE	-R	GPS BASE STA				
GENERATOR		G. 6 D. 62 5	TION			
PUMP		<del> </del>		***		<del></del>
ROLLER, STEEL WI	HEEL	<del> </del>				
TRACTOR, SKID ST		<del> </del>	<del></del>			
TRUCK, DUMP						
TRUCK, PICKUP						
TRUCK, WATER						
TRUCK, FUEL						
TRACKHOE		L				
THACKIOL					- M. C. C. C. C. C. C. C. C. C. C. C. C. C.	
	SASSESSED OF	AANTO AAT	THE PROPERTY INCOME	TACES TON		
		CONTRACT				
	ITEM		QUANTITY INCR		MARKS AND CALC	



CONTRACT NAME:	CONTRAC	T NO:	DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB	040-10	10/3/201	0	Sunday	NO: 91 OF 215
WEATHER CONDITIONS:	CLEAR	x PARTL	Y CLOUDY	ПНЕА	VY CLOUDS	FOG
TEMPERATURE:	87 HIG	62 <u>62</u>	LOW	TEMPER	ATURE RESTRICTI SPECIFICATION 1	
WIND:	NONE IND SPEED:	x SLIGHT	STRONG H WIND DIR		not	recorded
	NONE  1ST RAINFAL  2ND RAINFAL	L: ST.	HEAVY ART:	_ [	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS	2-4 HRS	4-6 HRS	7	ALL DAY	
WORKING CONDITIONS:	EXCELLEN	T∏GOOD	x FAIR		POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	x ACCEPTAE ALL DAY		ORE THAN 50% F WORK DAY		ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY	x WET	EXTREM	VELA ME.	Т	
	EFFEC	TS OF WEAT	HER ON MAJOR	WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM		ECT ALL	EFFECTED LES 50% OF WOR		EFFECTED M THAN 50% OF	
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		PHOT	O ID NUMBERS			
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						<del></del>
VISITORS:						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/3/2010	Sunday	NO. 91 of 215

GENERAL COMMENTS: Comanc	o not on site. No work planne	d or performed.	*****
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/03/10	FROM TO	



		DE	SCRIPTION OF WORK		
ONTRACT NAME:	CON	ITRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION		ITB 040-10	10/4/2010	Monday	NO. 92 OF 215
			TRACTOR INFORMATION		
CONTRACTOR: COMANCO			ISTRUCTION CORPORAT	ION	
SUBCONTRACTORS: Diam	ond Tra	ansport, PSI			
			7511 15111		
				TIME	(AM/PM)
OP	ERATIC	N AND LOCATI	ON	BEGINNING	ENDING
xcavation of Expansion on we	st area.			7:00 AM	6:30 PM
				ŀ	
PERSONNEL	NO	HOURS WORKED		MATERIALS RECEIVED	
SUPERVISOR	2	11	· · · · · · · · · · · · · · · · · · ·	ACT CONTROL OF A CONTROL OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SECURITION OF SE	- <u> </u>
FOREMAN	1	11			
SKILLED	6	11	· · · · · · · · · · · · · · · · · · ·		
TRUCK DRIVERS	3	10			
LABOR					
MECHANIC					
GEOTECHNICAL TECH	1	1.5			
					<del></del>
A	A	EQL	JIPMENT (ACTIVE/IDLE) A	A	
A BULLDOZER		SURVEYING E	QUIPMEN		
A FRONT END LOADER	1	GPS BASE STA	ATION		
GENERATOR	T				

A		EQUIPMENT (ACTIVE/IDLE)  A  A
	BULLDOZER	SURVEYING EQUIPMEN
Α	FRONT END LOADER	GPS BASE STATION
	GENERATOR	
	PUMP	
Α	ROLLER, STEEL WHEEL	
-	TRACTOR, SKID STEER	
Α	TRUCK, DUMP	
Α	TRUCK, PICKUP	
	TRUCK, WATER	
	TRUCK, FUEL	
Α	TRACKHOE	

#6	CUT	1050 07	75 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY
#6	CUT	1050 014	
		1350 CY	
	<del></del>		
	. <u> </u>		
	···		
:			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/4/2010	Monday	NO: 92 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	82 HIGH 57	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
WIND: [ Wi	NONE X SLIGHT ND SPEED: MP	STRONG H WIND DIRECTION:	not rec	corded
1	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
#6	x			
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NUMBER OF PHOTOS		O INFORMATION:		
Nomber of Thorse	<del></del>	O ID NUMBERS		
<del></del> -				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/4/2010	Monday	NO. 92 of 215

PROJECT INSPECTOR: Paul Siriboury	DATE: 10/04/10	HOURS AT JOB SITE FROM 7:00 TO 18:30	TOTAL HOURS 11
-			
Tri-axle trucks hauled 75 loads of sa	and to the north end of cell-3. A to	tal of 1350cy was hauled at 18cy per l	oad.
continued excavation from the west the east and north slopes.Comanco	tend of cell-3 and hauled it to the so hauled out 30 trucks or 540 cy of	stockpile area. PSI technician on site to top soil and stockpiled the material or	to perform density test on the north end of cell 3.
GENERAL COMMENTS: Comanco	o onsite at 7:00 am. Super held sa	fety briefing and discussed work plan	for today. Comanco



	DESC	RIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/5/2010	DAY OF WEEK: Tuesday	CONTRACT DAY NO. 93 OF 215
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN		RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport, Universal			
	. =			
				· · ·
			TIME (A	M/PM)
OPER	RATION AND LOCATION		BEGINNING	ENDING
Excavation of Expansion on north	-west area.		7:00 AM	6:30 PM
			•	·

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS	3	10	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

*** <b>A</b>		<b>A</b> .	EQUIPMENT (	(ACTIVE/IDLE) A A
Α	BULLDOZER	Α	SURVEYING EQUIPMEN	
Α	FRONT END LOADER	Α	GPS BASE STATION	
A	GENERATOR			
	PUMP			
Α	ROLLER, STEEL WHEEL			
Α	TRACTOR, SKID STEER			
Α	TRUCK, DUMP			
Α	TRUCK, PICKUP			
	TRUCK, WATER			
	TRUCK, FUEL			
Α	TRACKHOE			

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
			29 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY			
#6	CUT	522 CY				
			P-1 to P-26			
#9	Biaxial HDPE Geogrid	39,948 SQF				
			S-1 to S-14			
#11	60-Mil Secondary Liner	35,168 SQF				
			Roll # 7863			
#10	Geosynthetic clay liner	2,250 SQF				
-						
		1				



SWM PHASE 3 EXPANSION	N ITB 040-10	10/5/2010	DAY OF WEEK: Tuesday	NO: 93 OF 215
WEATHER CONDITIONS:	XCLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	82 HIGH 55	LOW TEMPER	RATURE RESTRICTION N	
	□NONE XSLIGHT VIND SPEED: MP	STRONG  H WIND DIRECTION:		
RAIN:	2ND RAINFALL: ST	ART:	SHOWERS END:	RAIN IN GUAGE
RAIN DURATION:	Not recorded as rain of x 0-2 HRS 2-4 HRS	occurred during non-workin 4-6 HRS	g hours  ALL DAY	
WORKING CONDITIONS:	X EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL IS DAY	EFFECTED LESS THAN 50% OF WORK DAY		
NUMBER OF PHOTO	Mataron (1990) in Profesion (1990) in 1990.	DINFORMATION:		
	РНОТ	O ID NUMBERS		
VISITORS:		·		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/5/2010	Tuesday	NO. 93 of 215

GENERAL COMMENTS: Comanco or continued excavation from the west endeployment of the Biaxial Geogrid mate S-1 to S-14, covering a total area of 35 the material on the north end of cell 3.	d of cell-3 and hauled the materia	to the stockpile area. Comanco's li	ner crew began
	erial on the east slope of cell 3 fro	m panels P-1 to P-26, GCl and seco	ondary liner from panels
	,168 SQF. See liner logs for detal	ls.Comanco hauled out 1,190 cy of	topsoil and stockpiled
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/05/10	FROM 7:00 TO 18:30	11



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/6/2010	Wednesday	NO. 94 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport			
	, , <del>, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,</del>			
			TIME (A	M/PM)
OPER	RATION AND LOCATION		BEGINNING	ENDING
Excavation of Expansion on north-	-west area		7:00 AM	6:30 PM
-				
				<del></del>

PERSONNEL	NO	HOURS WORKED	MATERIAL'S RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS	3	10	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		A	EQUIPMENT (	ACTIV A	/E/IDLE)	A		ing A
	BULLDOZER	Α	SURVEYING EQUIPMEN	T		 	]	
A	FRONT END LOADER	Α	GPS BASE STATION					
Α	GENERATOR							
	PUMP		1					_
Α	ROLLER, STEEL WHEEL							
	TRACTOR, SKID STEER							
Α	TRUCK, DUMP							
Α	TRUCK, PICKUP							
	TRUCK, WATER							
	TRUCK, FUEL						<u>-</u> -	
Α	TRACKHOE							

	CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
#6	CUT	1,782 CY	99 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY				
#10	Geosynthetic clay liner	4,500 SQF	Roll NO. 7897 and 7898				
#9	Biaxial HDPE Geogrid	44,244 SQF	P-27 to P-53				
#11	60 Mil Secondary Liner	41,918 SQF	S-15 to S-29				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/6/2010	Wednesday	NO: 94 OF 215
WEATHER CONDITIONS: X	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	82 HIGH 55	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT D SPEED: MP	STRONG H WIND DIRECTION:	not rec	corded
15	ID RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION: X	]0-2 HRS	ccurred during non-working 4-6 HRS	ALL DAY	
WORKING CONDITIONS: X	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO	
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NUMBER OF PHOTOS	パーテンタは代表をおよりたはTSPNはTSPNはTSPNをTSPNを大き、ディング	OINFORMATION:		
	РНОТ	O ID NUMBERS		
····	_			
			<del></del>	
			<del> </del>	
VISITORS:				



ONTRACT NAME: CONTRACT NO:		DATE:	DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	10/6/2010	Wednesday	NO. 94 of 215	

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
			:
to the area stockpile at the north		or details.Tri-axle trucks hauled out sand f 1,782 cy.	from the west end of phase-3
8 and sent samples to TRI for la	boratory testing. Comanco	worked on liner repairs from RS-1 to RS-	27, observed and documented
		north slope of cell 3 from panels P-27 to 29 (total of 41,918 SQF). Marked liner de	
continued excavation from the no	orth-west end of cell-3 and h	auled the material to the stockpile area.	Comanco's liner crew
		er held safety briefing and discussed work	

10/06/10

FROM 7:00 TO 18:30 11

Paul Siriboury



	DES	CRIPTION OF WORK			
CONTRACT NAME:	CONTRACT NO: DATE:		DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	10/7/2010	Thursday	NO. 95 OF 215	
	CONTR	RACTOR INFORMATION		化基金金 化二苯基苯	
CONTRACTOR: COMANCO EN	VIRONMENTAL CONS	TRUCTION CORPORATION			
SUBCONTRACTORS: Diamor	nd Transport				
			· ·-		
	,				
			TIME (A	M/PM)	
OPE	RATION AND LOCATIO	N Maria de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya della companya della companya de la companya de la companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della companya della company	BEGINNING	ENDING	
Excavation of Expansion on north	-west area		7:00 AM	6:30 PM	
	, , , , , , , , , , , , , , , , , , , ,				

PERSONNEL	NO -	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS	3	10	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

	A			EQUIPMENT (	ACT A	VE/IDLE)	A	
	Α	BULLDOZER	Α	SURVEYING EQUIPMEN				
[	Α	FRONT END LOADER	Α	GPS BASE STATION				
	Α	GENERATOR						
		PUMP						
	Α	ROLLER, STEEL WHEEL						
		TRACTOR, SKID STEER						
	Α	TRUCK, DUMP						
	Α	TRUCK, PICKUP						
ſ		TRUCK, WATER						
		TRUCK, FUEL		```				
	Α	TRACKHOE						

<b>以来放弃</b> 。 36年	CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
			57 TRUCKLOADS OF SAND BASED ON 17CY CAPACITY					
#6	CUT	969 CY						
			Floor area of East end of phase 3					
#10	Geosynthetic clay liner	4,500 SQF						
			P-54 to P-74					
#9	Biaxial HDPE Geogrid	39,252 SQF						
			S-30 to S-41					
#11	60 Mil Secondary Liner	36,653 SQF						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/7/2010	Thursday	NO: 95 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	78 HIGH 55	. <u> </u>	RATURE RESTRICTION SPECIFICATION NO	
<u> </u>	NONE XSLIGHT OF SPEED: MP		not rec	orded
15	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION: X	0-2 HRS 2-4 HRS	ccurred during non-working 4-6 HRS	g nours  ALL DAY	
WORKING CONDITIONS: X	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	:Τ	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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	- 🗆			
NUMBER OF PHOTOS	TO A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	DINFORMATION:		
		O ID NUMBERS		
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VISITORS:	*****			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	10/7/2010	Thursday	NO. 95 of 215	

Paul Siriboury	10/07/10	FROM 7:00 TO 18:30	11
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
			;
stockpile at North end of phasel 3			·
samples to TRI for laboratory testi	ng. Comanco worked on liner repa	irs from RS-28 to RS-47, observed areaxle trucks hauled out sand from We	nd documented liner
continued deployment of the Biaxi	al Geogrid on the North slope of pl	nase-3 from panel P-54 to P-74 (total 653 SQF). Marked destructive sample	of 39,252 SQF), GCL
continued sand excavation from the	ne North-West end of phasel-3 and	hauled the material to the stockpile are 95% compaction requirements. Con	area. PSI technican was on
		atety briefing and discussed work pla	

Paul Siriboury



	DESCF	RIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/8/2010	DAY OF WEEK: Friday	CONTRACT DAY NO. 96 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport			
			TIME (A	MM/PM)
OPE	RATION AND LOCATION	<u>하는 이 말라</u> 말과 일당하.	BEGINNING	ENDING
Excavation of Expansion on north	-west area		7:00 AM	3:30 PM
				·

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	8	
FOREMAN	1	8	
SKILLED	13	8	
TRUCK DRIVERS	3	8	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Á			EQUIPMENT (	ACTIV A		Α		
Α	BULLDOZER	A	SURVEYING EQUIPMEN			T		
Α	FRONT END LOADER	Α	GPS BASE STATION		_			
	GENERATOR						· ·	$\neg$
	PUMP							
Α	ROLLER, STEEL WHEEL							
	TRACTOR, SKID STEER							
Α	TRUCK, DUMP							
Α	TRUCK, PICKUP						:	
$\Box$	TRUCK, WATER						-	
	TRUCK, FUEL					 1	7.2	
Α	TRACKHOE							

ITEM	QUANTITY	NCREASES TODAY REMARKS AND CALCULATIONS			
		92 TRUCKLOADS OF SAND BASED ON 17CY CAPACITY			
CUT	1,564 CY				
Geosynthetic clay liner					
Biaxial HDPE Geogrid					
60 Mil Secondary Liner					
		P-1 to P-26			
Bi-planar Geocomposite	53,520 SQF				
	CUT  Geosynthetic clay liner  Biaxial HDPE Geogrid  60 Mil Secondary Liner	CUT 1,564 CY  Geosynthetic clay liner  Biaxial HDPE Geogrid  60 Mil Secondary Liner			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/8/2010	Friday	NO: 96 OF 215
WEATHER CONDITIONS:	CLEAR PARTI	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	82 HIGH 46	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
	NONE XSLIGHT ND SPEED: MF	STRONG  WIND DIRECTION:	not rec	orded
1	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	□BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR	
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	_ 🗆			
NUMBER OF PHOTOS	energe-great to the control term (e.g.) in the product	O INFORMATION:		
<b>-</b>	PHO	TO ID NUMBERS		
<b></b>			L	
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/8/2010	Friday	NO. 96 of 215

PROJECT INSPECTOR: Paul Siriboury	DATE: 10/08/10	HOURS AT JOB SITE FROM 7:00 TO 15:30	TOTAL HOURS
•			
			:
sand from West end of phase-3 to stock	plie at North end of phasei-3 fol	a total of 1,564 cy.	
SQF) and worked on liner repairs from F and documented liner repairs, Geocomp	RS-48 to RS-58. Comanco perfo osite deployment and vacuum t	rmed vacuum testing on repairs RS esting. See liner logs for details.Tri-	-1 to RS-58. Observed
continued excavation from the North-We began deployment of the Geocomposite		he sand material to the stockpile are	ea.Comanco's liner crew



CONTRACT NAME: SWM PHASE 3 EX		CON	DE TRACT NO: ITB 040-10	DATE:	10/9/2010	DAY OF WEEK: Saturday	CONTRACT DAY NO. 97 OF 215
	i ska i kili ji ka Kili ji kili Jili ji jiya	14050	CON	TRACTOR IN	FORMATION		
CONTRACTOR: CC	MANCO EN	IVIRO	NMENTAL CON	STRUCTION	CORPORATION	N	
SUBCONTRACTORS	<del>}:</del>						
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						lusesse en apportim	E (AM/PM)
	OPEF	ATIO	N AND LOCAT	ION			E (AW/P.W)
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PERSONNEL	N	IO	HOURS		M/	ATERIALS RECEIVED	
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	REMAN						
	GLLED	-+					
TRUCK DR		_					<del></del>
	ABOR						
MECI	HANIC				N-81-41	<del></del>	
GEOTECHNICAL	TECH						
					TIVE/IDLE)		
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BULLDOZER FRONT END			GPS BASE STA				····
GENERATOR		H	GF3 DASE 317	ATION		+ + -	
PUMP		<del>                                     </del>			<del>-  </del>	<del>  </del>	
ROLLER, STE	EEL WHEEL	<del>                                     </del>			+		
TRACTOR, S					<del> </del>	1 1	
TRUCK, DUM	1P				1		
TRUCK, PICK							
TRUCK, WAT							
TRUCK, FUE	L	$\sqcup$					
TRACKHOE		L					
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ITEM NO.		TEM		QUANTITY		REMARKS AND CAL	CULATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY				
SWM PHASE 3 EXPANSION	ITB 040-10	10/9/2010	Saturday	NO: 97 OF 215				
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG				
TEMPERATURE: _	84 HIGH 48	LOW TEMPER	RATURE RESTRICTION NO					
WIND: WI	NONE X SLIGHT OF SPEED: MP	STRONG H WIND DIRECTION:	not re	corded				
15	ND RAINFALL: ST.	-	SHOWERS END: END:	RAIN IN GUAGE				
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY					
WORKING CONDITIONS:	EXCELLENT GOOD	x FAIR	POOR	BAD				
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY				
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т					
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS					
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W					
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NUMBER OF PHOTOS		INFORMATION:						
PHOTO ID NUMBERS								
<u></u>								
VISITORS:			=					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	10/9/2010	Saturday	NO. 97 of 215	

GENERAL COMMENTS:	Comanco not on site.	No work planned or per	formed.	
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				l
				i
PROJECT INSPECTOR:	DATE		HOURS AT JOB SITE	TOTAL HOURS
	DATE			TOTALTIOURS
Paul Siriboury		10/09/10	FROMTO	



CONTRACT NAME:		ONTRACT NO:			DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION		ITB 040-10			Sunday	NO. 98 OF 215
CONTRACTOR: COMANC	O ENV	IDONIATRITAL CO	NIRACION	INFORMATION	DNI	
SUBCONTRACTORS:	OEINV	INONWENTAL CC	NSTRUCTION	JN CORPORATION	JN	<del></del>
SODOON MACTORS.						
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					TIME	(AM/PM)
	OPERA	TION AND LOCA	TION		BEGINNING	ENDING
<del></del>						
	14,445	House	N. 2.35 1	1704 A.A. 1837 M.	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Total Television Control (1994)
PERSONNEL	NO	HOURS		M)	ATERIALS RECEIVED	
SUPERVISOR	17.0 - 1, 1 - 2	WOHRED				
FOREMAN	<b></b> -					-w
SKILLED						
TRUCK DRIVERS		-				
LABOR				·	<del></del>	
MECHANIC			-			
GEOTECHNICAL TECH						
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		A EC	OUIPMENT (	ACTIVE/IDLE)	경쟁을 하다고 보다	
	- 11 11 11 11	A		Α	Α	
BULLDOZER		SURVEYING				
FRONT END LOADE GENERATOR	:R	GPS BASE S	TATION			
PUMP						
ROLLER, STEEL WI	JEE1					
TRACTOR, SKID ST		<del></del>			+	
TRUCK, DUMP					<del></del>	<del></del>
TRUCK, PICKUP				<u> </u>	<del></del>	, <del>_</del>
TRUCK, WATER						
TRUCK, FUEL						
TRACKHOE					****	
					DAY	
ITEM NO.	ITE	M	QUANTITY		REMARKS AND CALC	ULATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/10/2010	Sunday	NO: 98 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	87 HIGH 57	_	RATURE RESTRICTION SPECIFICATION NO:	
	NONE X SLIGHT OF SPEED: MP		not rec	orded
15		ART:	END:	RAIN IN GUAGE
RAIN DURATION: X	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	_EXCELLENTGOOD	x FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
NUMBER OF PHOTOS		) INFORMATION:		
	РНОТ	O ID NUMBERS	pro trans	
<u> </u>			1 1	
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/10/2010	Sunday	NO. 98 of 215

GENERAL COMMENTS:	Comanco not on site. N	o work planned or perf	ormed.	
				,
PROJECT INSPECTOR: Paul Siriboury		10/10/10	HOURS AT JOB SITE	URS
Part Stripoury		10/10/10	HOM IO	



	DESCF				
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	10/11/2010	Monday	NO. 99 OF 215	
	CONTRAC	CTOR INFORMATION			
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		.,,.	
SUBCONTRACTORS: Diamor	nd Transport				
-					
			•		
				- <del> </del>	
			TIME (A	M/PM)	
OPEF	RATION AND LOCATION	4.44. 医水杨素素等	BEGINNING	ENDING	
Excavation of Expansion on north	-west area		7:00 AM	6:30 PM	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS	3	10	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α	왕홍왕 (1) - (1) - (2) (1) - (2) 왕왕왕(1) - (2) (2) (2) (2) (2) (2) (2)	Α	EQUIPMENT (	ACTIV A	/E/IDLE)	A		
Α	BULLDOZER	Α	SURVEYING EQUIPMEN			 1	I	
Α	FRONT END LOADER	Α	GPS BASE STATION	$\Box$			1	
	GENERATOR					İ		
	PUMP							
Α	ROLLER, STEEL WHEEL					1		
	TRACTOR, SKID STEER							
Α	TRUCK, DUMP			$\neg$				
Α	TRUCK, PICKUP			$\neg \uparrow$				
	TRUCK, WATER			$\neg$				
	TRUCK, FUEL							
Α	TRACKHOE			$\neg$				

ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS		
			68 TRUCKLOADS OF SAND BASED ON 18CY CAPACIT		
#6	CUT	1,224 CY			
#10	Geosynthetic clay liner				
#9	Biaxial HDPE Geogrid				
#11	60 Mil Secondary Liner				
		-	P-27 to P-62		
#12	Bi-planar Geocomposite	79,665 SQF			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY			
SWM PHASE 3 EXPANSION	ITB 040-10	10/11/2010	Monday	NO: 99 OF 215			
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG			
TEMPERATURE: _	87 HIGH 60	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO				
	NONE XSLIGHT SPEED: MP	STRONG "H WIND DIRECTION:	not rec	orded			
17	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE			
RAIN DURATION:	0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	ALL DAY				
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD			
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY			
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	т				
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS				
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR				
	<u></u>						
NUMBER OF PHOTOS	ett i Reikildur, Adottoro os saturatitustoritarii, ilministe (60.74	DINFORMATION:					
PHOTO ID NUMBERS							
VISITORS:							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/11/2010	Monday	NO. 99 of 215

continued excavation from the Nor continued deployment of the Geoc	th end of phasel-3 and hauled the composite Bi-planar material on the mented Geocomposite deploymen	sand material to the stockpile area. Co North slope of phase-3 from panel P-2 t; see Geocomposite placement log for of phasel-3; total of 1,224 cy.	manco's liner crew 27 to P-62 (total of
			-
			·
PROJECT INSPECTOR: Paul Siriboury	DATE: 10/11/10	HOURS AT JOB SITE FROM 7:00 TO 18:30	TOTAL HOURS 11
, adi dilibodiy		. 1110W 17.00 10 10.30	



	DESCI	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/12/2010	Tuesday	NO. 100 OF 215
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	VIRONMENTAL CONST	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport			
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
Excavation of Expansion on north	-west area		7:00 AM	6:30 PM
				1
				•

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS	3	10	
LABOR			
MECHANIC		i	
GEOTECHNICAL TECH			

Λ		Λ.	EQUIPMENT (A	ACTIVE/IDLE) A	
	BULLDOZER	A	SURVEYING EQUIPMEN	<u> 世界 は記述 200 年度度のテナスののでき</u>	
Α	FRONT END LOADER	_	GPS BASE STATION		
	GENERATOR				
	PUMP				
Α	ROLLER, STEEL WHEEL				
	TRACTOR, SKID STEER				
Α	TRUCK, DUMP				
Α	TRUCK, PICKUP				
	TRUCK, WATER				
	TRUCK, FUEL				
Α	TRACKHOE				

	CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.			REMARKS AND CALCULATIONS					
#6	СИТ	1,710 CY	95 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY					
#10	Geosynthetic clay liner							
#9	Biaxial HDPE Geogrid							
#11	60 Mil Secondary Liner							
#12	Bi-planar Geocomposite							
#13	60 Mil primary Liner	68,018 SQF	P-1 to P-25					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/12/2010	Tuesday	NO: 100 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	87 HIGH 57		RATURE RESTRICTION NO	
	NONE X SLIGHT ND SPEED: MP	STRONG H WIND DIRECTION:	not re	corded
1	ND RAINFALL: ST	ART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	T.	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
	Li		Ц	L
V				
NUMBER OF PHOTOS	OKOPO LE NA LIBERTO E PREMI DESPUESA ANTALISMENTA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DEL PROPENSA DE LA PROPENSA DE LA PROPENSA DEL PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DEL LA PROPENSA DEL PROPENSA DE LA PROPENSA DEL PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DE LA PROPENSA DEL LA PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DE LA PROPENSA DE LA PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL PROPENSA DEL	DINFORMATION:		
	РНОТ	O ID NUMBERS		
		— <del>                                    </del>		
VISITORS:				<del></del>



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/12/2010	Tuesday	NO. 100 of 215

GENERAL COMMENTS: Comanco on continued excavation from North side o	f phasel-3 and hauled the sand to	o the stockpile area.Comanco's line	r crew began
deployment of the primay 60 mil liner mand documented liner deployment, sea	ming and air pressure testing. Se	e panel placement, seaming and a	r pressure test logs for
details.Tri-axle trucks hauled out sand t	from North end of phase-3 to stoo	ckpile at North end of phasel-3; tota	I of 1,710 cy.
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			-
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			:
			:
PROJECT INSPECTOR: Paul Siriboury	DATE: 10/12/10	HOURS AT JOB SITE FROM 7:00 TO 18:30	TOTAL HOURS
r aur omboury	10/12/10	FROM 7:00 TO 18:30	11



	DESC	CRIPTION OF WORK		A A A
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/13/2010	DAY OF WEEK: Wednesday	CONTRACT DAY NO. 101 OF 215
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CONTRACTOR: COMANCO EN				
	nd Transport	,, <del></del>		
<u>_</u> .				
F			TIME (A	M/PM)
OPE	RATION AND LOCATION	N. Carlotte and the second	BEGINNING	ENDING
Excavation of Expansion on north	-west area		7:00 AM	6:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	54 rolls of Tri-planar
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS	3	10	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A			EQUIPMENT (A	Ä
	BULLDOZER	Α	SURVEYING EQUIPMEN	
Α	FRONT END LOADER	Α	GPS BASE STATION	
	GENERATOR			
	PUMP			
Α	ROLLER, STEEL WHEEL			 
	TRACTOR, SKID STEER			
Α	TRUCK, DUMP			
Α	TRUCK, PICKUP			***
	TRUCK, WATER			
	TRUCK, FUEL			
Α	TRACKHOE			

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
#6	сит	1,710 CY	95 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY			
#10	Geosynthetic clay liner					
#9	Biaxial HDPE Geogrid					
#11	60 Mil Secondary Liner					
#12	Bi-planar Geocomposite					
#13	60 Mil primary Liner	48,938 SQF	P-26 to P-40			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/13/2010	Wednesday	NO: 101 OF 215
WEATHER CONDITIONS:	X CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE: _	86 HIGH <u>55</u>	- <del></del>	RATURE RESTRICTIO SPECIFICATION NO	
	NONE X SLIGHT ND SPEED: MP	STRONG H WIND DIRECTION:	not re	ecorded
1	ND RAINFALL: ST	ART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF PHOTOS	or promote the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the	DINFORMATION:		
<u> </u>	РНОТ	O ID NUMBERS		
		<del></del>	—     ——	
<u> </u>				
VISITORS:			<del>-</del> .	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/13/2010	Wednesday	NO. 101 of 215

GENERAL COMMENTS: Comano	o onsite at 7:00 am. Super l	neld safety briefing and discussed wo	rk plan for today. Comanco
		to the stockpile area. The liner crew co	
		6 to P-40 (total of 48,938 SQF). Com	
doployment seeming lines receive	rom HP-1 to HP-30 and air p	pressure testing on fusion seams. Obs	served and documented liner
1 to DP-12 and sent to TRI for lobe	, an pressure test and vacut traton, toeting. Tri-avia truck	um testing. See liner logs for details. Nes sauled out sand from North end of p	harred destructive samples DP-
of phasel-3; total of 1,710 cy.	ratory testing. Thrakle HUCK	s nadied out sand nom Norm end of p	masers to stockpile at North end
5. p. addi 0, total 01 1,7 10 0y.			
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	<del></del>		
PROJECT INSPECTOR	DATE.	HOURS AT JOB SITE	TOTAL HOURS

THOULDT INGI LOTON.	DATE.	ПООПО	AT JOB	SHE		TOTAL HOURS
Paul Siriboury	10/13/10	FROM_	7:00	_TO	18:30	11



	DESC	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/14/2010	Thursday	NO. 102 OF 215
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CONTRACTOR: COMANCO EN	VIRONMENTAL CONST	RUCTION CORPORATION	1	
SUBCONTRACTORS: Diamor	nd Transport			
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		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		·
,,				
			TIME	(AM/PM)
OPE	RATION AND LOCATION		BEGINNING	ENDING
Excavation of Expansion on north	-west area		7:00 AM	6::00 PM
<del>**</del> :				
		· · · · · · · · · · · · · · · · · · ·	<del></del>	

PERSONNEL	NO	HOURS WORKED	MATERIAL'S RECEIVED
SUPERVISOR	2	10.5	27 rolls of Tri-planar
FOREMAN	1	10.5	
SKILLED	13	10.5	
TRUCK DRIVERS	3	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		Α	EQUIPMENT (	ACTIVE/II	OLE)		1005 (1.000 m)
Α	BULLDOZER	Α	SURVEYING EQUIPMEN				
A	FRONT END LOADER	Α	GPS BASE STATION				
	GENERATOR						
	PUMP						
A	ROLLER, STEEL WHEEL						
	TRACTOR, SKID STEER					"	-
Α	TRUCK, DUMP					<u> </u>	
Α	TRUCK, PICKUP						<del></del>
	TRUCK, WATER				·		
	TRUCK, FUEL						
Α	TRACKHOE						

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
#6	CUT	1,620 CY	90 TRUCKLOADS OF SAND BASED ON 18CY CAPACIT			
#14	Geocomposite Tri-planar	71,713 SQF	P-1 to P-44			
#9	Biaxial HDPE Geogrid					
#11	60 Mil Secondary Liner					
#12	Bi-planar Geocomposite					
#13	60 Mil primary Liner					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/14/2010	Thursday	NO: 102 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	84 HIGH 60	LOW TEMPER	RATURE RESTRICTION NO	
	NONE X SLIGHT ID SPEED: MP	STRONG H WIND DIRECTION:	not re	ecorded
15	ND RAINFALL: ST.	ART: ART:	SHOWERS END:	RAIN IN GUAGE
RAIN DURATION: X	0-2 HRS 2-4 HRS	ccurred during non-working 4-6 HRS	g nours  ALL DAY	
WORKING CONDITIONS: X	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT		TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MC THAN 50% OF W	
	Ш	Ц		
NUMBER OF PHOTOS	A MARINE SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR SANDAR	DINFORMATION:	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
		O ID NUMBERS		
<b>.</b>				
VISITORS:				



	CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
ĺ	SWM PHASE 3 EXPANSION	ITB 040-10	10/14/2010	Thursday	NO. 102 of 215

GENERAL COMMENTS: Comanco onsicontinued excavation from North-West of geocomposite Tri-planar material from patesting from RP-31 to RP-61. Observed and geocomposite placement log (Tri-planarea; total of 1,620 cy.	f phasel-3 and hauled sand to the anel P-1 to P-44 (total of 71,713 and documented geocomposite	e stockpile area.The liner crew   SQF). Comanco worked on line Tri-planar, liner repair and vacu	began deployment of the or repair RP-60, vacuum um testing. See liner logs
		<del></del> .	
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/14/10	FROM 7:00 TO 18:00	



	DESCF	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/15/2010	Friday	NO. 103 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	SUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport			
			-	
				··
			TIME (A	M/PM)
OPER	RATION AND LOCATION		BEGINNING	ENDING
Excavation of Expansion on north		·	7:00 AM	3::30 PM
			·	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	8	
FOREMAN	1	8	
SKILLED	13	8	
TRUCK DRIVERS	3	8	
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	1	

A		A	EQUIPMENT	ACT A	IVE/IDLE)	A	
Α	BULLDOZER	Α	SURVEYING EQUIPMEN			] "	
Α	FRONT END LOADER	Α	GPS BASE STATION				
Α	GENERATOR				<u> </u>		
	PUMP						
Α	ROLLER, STEEL WHEEL						
	TRACTOR, SKID STEER						
A	TRUCK, DUMP						7
Α	TRUCK, PICKUP						
	TRUCK, WATER						
	TRUCK, FUEL						
Α	TRACKHOE				T .		

ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
3 320			29 TRUCKLOADS OF SAND BASED ON 18CY CAPACIT
#6	CUT	522 CY	
			P-45 to P-73
#14	Geocomposite Tri-planar	55,888 SQF	
#9	Biaxial HDPE Geogrid		
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/15/2010	Friday	NO: 103 OF 215
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:		<u> </u>	ATURE RESTRICTION NO	
<b>WIND:</b> W	NONE X SLIGHT IND SPEED: MF	STRONG PH WIND DIRECTION:	not re	corded
	2ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	THER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
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NUMBER OF PHOTO:	a con estable della sulla sulla sulla sulla con establica di con establica di con establica di con establica d	O INFORMATION:		
	PHO	TO ID NUMBERS		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/15/2010	Friday	NO. 103 of 215

continued excavation from North of the geocomposite Tri-planar materia All passed the minimum 95% compa	phasel-3 and hauled the sand ma al from panel P-45 to P-73 (total of action requirements. Observed an	rety briefing and discussed work plan terial to the stockpile area. The liner cit 55,888 SQF). PSI technician on site d documented geocomposite Tri-plan from North of phase-3 to stockpile area	rew continued to deploy to perform density tests. ar; see geocomposite
PROJECT INSPECTOR: Paul Siriboury	DATE: 10/15/10	HOURS AT JOB SITE FROM 7:00 TO 15:30	TOTAL HOURS 8



CONTRACT NAME:	COI	NTRACT NO:	DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION			1	0/16/2010	Saturday	NO. 104 OF 215
CONTRACTOR, COMANICO						
CONTRACTOR: COMANCO	) ENVIR	JNMENTAL CO	NSTRUCTION	CORPORATIO	DN	
SUBCONTRACTORS:						
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					TIME	(AM/PM)
0	PERATION	ON AND LOCAT	ION_	경통한 본인 문항		
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e Marie 1885 (1887) Morrosof Greek (1887) (1887) - Electron (1887)	-31 as 1,550 s	Lioupo	Frank will a see		i Diamagen with the West Caretina may	No. 2 To the Police of the
PERSONNEL	NO	HOURS WORKED			VIERIALS RECEIVED	
SUPERVISOR	inet, villai du	WORKED				
FOREMAN						
SKILLED		<u> </u>			<del> </del>	
TRUCK DRIVERS						
LABOR		<del></del>				**
MECHANIC		<u> </u>			***	· · · · · · · · · · · · · · · · · · ·
GEOTECHNICAL TECH		7 **-				·
				9	·	W-T
		EQI	JIPMENT (AC	(IVE/IDLE)		
	A		Α		Α	
BULLDOZER		SURVEYING E				
FRONT END LOADE	<del>1</del>   -	GPS BASE ST.	ATION			
GENERATOR PUMP		<del> </del>	-	<u> </u>	<del></del>	
ROLLER, STEEL WH	E E I	<del>                                     </del>	<del></del>			
TRACTOR, SKID STE		<del> </del>		<del> </del>	<del></del>	
TRUCK, DUMP	<u>-L''</u>	·				
TRUCK, PICKUP	_		<del></del>	-		
TRUCK, WATER	-		·	<del> </del>		
TRUCK, FUEL	$\neg$			1		
TRACKHOE	$\neg$					
			•		<del></del>	
		CONTRACT	<b>QUANTITY IN</b>	CREASES TO	DAY	
ITEM NO.	ITEM		QUANTITY		REMARKS AND CALC	ULATIONS
			<del></del>	<u> </u>	<u> </u>	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/16/2010	Saturday	NO: 104 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	87 HIGH 48	LOW TEMPER	RATURE RESTRICTION NO SPECIFICATION NO	
WIND: [ WI	NONE SLIGHT ND SPEED: MF	STRONG PH WIND DIRECTION:	not rec	corded
1	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	Not recorded as rain of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of	occurred during non-workin 4-6 HRS	g nours  ALL DAY	
WORKING CONDITIONS: [	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ΞΤ	
	EFFECTS OF WEAT	HER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/16/2010	Saturday	NO. 104 of 215

GENERAL COMMENTS: Con	nanco not on site. No wo	rk planned or performed.		
<u></u>				
PROJECT INSPECTOR:	DATE:	HOLI	RS AT JOB SITE	TOTAL HOURS
Paul Siriboury				TOTALTIOUNG
i aui Silibuury	10/1	<u>0/10</u> FRO	MTO	



	Ico	NTRACT NO:	DATE:	DAY OF WEEK	: CONTRACT DAY
SWM PHASE 3 EXPANS					
CONTRACTOR: COMAN					
SUBCONTRACTORS:	_				
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TRUCK, PICKUP					
TRUCK, PICKUP TRUCK, WATER					
TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL					
TRUCK, PICKUP TRUCK, WATER					
TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE		CONTRACT	GUANTITY INCREASE	O TOPAVILLE.	
TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM		QUANTITY INCREASE		ALCULATIONS
TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM		QUANTITY INCREASE	S TODAY REMARKS AND C	
TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM				
TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM				
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TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM				
TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ITEM				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/17/2010	Sunday	NO: 105 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	84 HIGH <u>51</u>	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
WIND: WII	NONE X SLIGHT  ND SPEED: MP	STRONG "H WIND DIRECTION:	not rec	corded
17	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	and the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO	
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/17/2010	Sunday	NO. 105 of 215

GENERAL COMMENTS: Coma	nco not on site. No work planned or p	performed.	, , , , , , , , , , , , , , , , , , , ,
			•
PROJECT INSPECTOR: Paul Siriboury	DATE: 10/17/10	HOURS AT JOB SITE FROM TO	TOTAL HOURS



	DESCF	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	NO: DATE: DAY OF WEEK		CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/18/2010	Monday	NO. 106 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	VIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport			
<del></del>				
			TIME (A	M/PM)
OPER	PATION AND LOCATION		BEGINNING	ENDING
Excavation of Expansion on South	1		7:00 AM	6::30 PM
-				
	· · · · · · · · · · · · · · · · · · ·			

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS	3	10	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		Α	EQUIPMENT (	ACTIVE/IDL A	E)	A	
Α	BULLDOZER	Α	SURVEYING EQUIPMEN			1	
A	FRONT END LOADER	Α	GPS BASE STATION				
Α	GENERATOR				,		
	PUMP						
Α	ROLLER, STEEL WHEEL						
Α	TRACTOR, SKID STEER						· · · · · · · · · · · · · · · · · · ·
Α	TRUCK, DUMP					1	
Α	TRUCK, PICKUP					1	
	TRUCK, WATER					1	
	TRUCK, FUEL					T	
Α	TRACKHOE						1

CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
#6	СИТ	1,656 CY	92 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY					
#14	Geocomposite Tri-planar							
#9	Biaxial HDPE Geogrid	41,556 SQF	P-75 to P-98					
#11	60 Mil Secondary Liner							
#12	Bi-planar Geocomposite							
#13	60 Mil primary Liner							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY			
SWM PHASE 3 EXPANSION	ITB 040-10	10/18/2010	Monday	NO: 106 OF 215			
WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG			
TEMPERATURE:	84 HIGH 51	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO				
WIND:   W	NONE X SLIGHT IND SPEED: MF	STRONG PH WIND DIRECTION:	not rec	corded			
	2ND RAINFALL: ST		END:	RAIN IN GUAGE			
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY				
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD			
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY			
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	т				
	EFFECTS OF WEAT	THER ON MAJOR WORK I	TEMS				
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR				
18-24 - 111							
NUMBER OF PHOTOS	The Control of Marine Marine State Control of the Appendix Approximately	O INFORMATION:					
PHOTO ID NUMBERS							
VISITORS:							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/18/2010	Monday	NO. 106 of 215

SENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco	
regan removing the ramp from the south end of phasel-3 and hauled the excavated material to the stockpile area. Comanco's lin	
rew resumed deployment of the Biaxial Geogrid material from panel P-75 to P-98 (total of 41,556 SQF). Observed and docume	ented
paraial geogrid placement; see geogrid placement log (Biaxial) for details. Tri-axle trucks hauled out sand from South of phase-3	to
	lO
tockpile area; total of 1,656 cy.	
	i
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HOURS AT JOB SITE

FROM 7:00 TO 18:30

DATE:

10/18/10

PROJECT INSPECTOR:

Paul Siriboury

TOTAL HOURS

11



					ON OF WORK		
	NTRACT NAME: WM PHASE 3 EXPANSION		NTRACT NO: ITB 040-10			DAY OF WEEK: Tuesday	CONTRACT DAY NO. 107 OF 215
11		4,25					
CC	NTRACTOR: COMANCO E	NVIRO	NMENTAL CO	NSTRUCT	ION CORPORATIO	DN	
SUI	BCONTRACTORS:					,	
	· · · · · · ·						
			1-2-27				
4:	. A control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	DATIC	NI AND LOGAT	ION	e Bartin arabah da		(AM/PM)
Ver s	OPE	.nanc	NAND LOCAT	ION		BEGINNING	ENDING
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	PERSONNEL	NO	WORKED		M/	ATERIALS RECEIVED	
	SUPERVISOR						<u>1                                    </u>
	FOREMAN						
	SKILLED						
	TRUCK DRIVERS						
	LABOR						
	MECHANIC						
	GEOTECHNICAL TECH	····	<u> </u>			**/	
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	A	i aiya A	EQI	JIPMENI	(ACTIVE/IDLE) A		
4.3	BULLDOZER	, A.	SURVEYING E			A	
H	FRONT END LOADER	+	GPS BASE ST		<u></u>	<del></del>	
F	GENERATOR	+			† †		
Г	PUMP						
Г	ROLLER, STEEL WHEE	iL					
	TRACTOR, SKID STEE	3			"		
L	TRUCK, DUMP						
L	TRUCK, PICKUP						
_	TRUCK, WATER		<u> </u>				
L	TRUCK, FUEL	<del> </del>					
L	TRACKHOE		<u> </u>			<del></del>	
elektron.		NA. A.	CONTRACT	OLIANTIT	V INODEACEC TO	NAV TOLK STEELS	
246		ITEM		QUANTIT		DAY REMARKS AND CALC	UL ATIONS
	TILIWINO.	TT CIVI		QUANTIT	r	HEIMARKS AND CALC	ULATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/19/2010	Tuesday	NO: 107 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	87 HIGH 57	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	NONE X SLIGHT D SPEED: MP	STRONG "H WIND DIRECTION:	not rece	orded
19	ID RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION: X	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	XFAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	Τ	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
	. 🗆			
NUMBER OF PHOTOS	yaktarah barrat bar yaktiyatan ara - 5 9. Taloma	DINFORMATION:		
		O ID NUMBERS		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/19/2010	Tuesday	NO. 107 of 215

GENERAL COMMENTS:	Comanco not on site.	Comanco	performed	safety	training ir	the office.	Went to	Tampa of	fice and worked
on field paperwork.									
			•						
PROJECT INSPECTOR:	DATE					JOB SITE		TOTAL	HOURS
Paul Siriboury		10/19/10	)	FF	ROM	TO			8



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/20/2010	Wednesday	NO. 108 OF 215
		TOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport			,
			TIME (A	M/PM)
POPER COLUMN TO A OPER	RATION AND LOCATION		BEGINNING	ENDING
Excavation of Expansion on South	n near phase 2.		7:00 AM	6:00 PM
	<del></del>			

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10.5	
FOREMAN	1	10.5	
SKILLED	13	10.5	
TRUCK DRIVERS	3	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		A	EQUIPMENT (	(ACTIVE/IDLE) A A
A	BULLDOZER	Α	SURVEYING EQUIPMEN	N I
Α	FRONT END LOADER	Α	GPS BASE STATION	
Α	GENERATOR			
	PUMP			
Α	ROLLER, STEEL WHEEL			
а	TRACTOR, SKID STEER			
Α	TRUCK, DUMP			
Α	TRUCK, PICKUP			
	TRUCK, WATER			
	TRUCK, FUEL			
Α	TRACKHOE			

	CONT	RACT QUANTITY II	NCREASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	1,476 CY	82 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY
#10	Geosynthetic clay liner		
#9	Biaxial HDPE Geogrid		
#11	60 Mil Secondary Liner	43,071 SQF	S-42 to S-56
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/20/2010	Wednesday	NO: 108 OF 215
WEATHER CONDITIONS: [	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	84 HIGH <u>60</u>	LOW TEMPER	NATURE RESTRICTION NO	
L	NONE X SLIGHT ND SPEED: MP		not rec	corded
1	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION: [	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	x DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	11 - 12 - 13 - 14 - 15 - 15 - 15 - 15 - 15 - 15 - 15	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI	
	_ <u>L</u>			
	_			
NUMBER OF PHOTOS		O INFORMATION:		
	PH01	······································		
<u> </u>				
VISITORS:			<del> </del>	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/20/2010	Wednesday	NO. 108 of 215

	continued excavation from the S	South area of phase-3 near p	er held safety briefing and discussed work	he stockpile area.The liner
	crew began deployment of the s	secondary 60 mil liner from p	chase-2 and hauled the sand material to the	Comanco worked on liner
	repairs from RS-59 to RS-78, R	S-81 and RS-94 and perforn	chase-2 and hauled the sand material to the	Observed and documented
	liner deployment, seaming, liner	r repairs, air pressure testing	chance of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same	estructive samples DS-13 to
PROJECT INSPECTOR: DATE: HOURS AT JOB SITE TOTAL HOURS	PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS

10/20/10

Paul Siriboury

FROM 7:00 TO 18:00 10.5



	DESCR	RIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/21/2010	DAY OF WEEK: Thursday	CONTRACT DAY NO. 109 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Transport			
				-
		<u>, , , , , , , , , , , , , , , , , , , </u>		
			TIME (A	M/PM)
OPE	RATION AND LOCATION	<u>보는 이 경기는 첫번</u> 로 되면 취상	BEGINNING	ENDING
Excavation of Expansion on South	near phase 2 and remove	ed the ramp.	7:00 AM	6:30 PM
		,		<u> </u>

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS	3	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		Α	EQUIPMENT (A	(ACTIVE/IDLE) A A
Α	BULLDOZER	Α	SURVEYING EQUIPMEN	
Α	FRONT END LOADER	Α	GPS BASE STATION	
Α	GENERATOR			
	PUMP			
Α	ROLLER, STEEL WHEEL			
а	TRACTOR, SKID STEER			
Α	TRUCK, DUMP			
Α	TRUCK, PICKUP			
	TRUCK, WATER			
	TRUCK, FUEL			
Α	TRACKHOE			

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	СИТ	810 CY	45 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY
#10	Geosynthetic clay liner		
#9	Biaxial HDPE Geogrid		
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite	43,380 SQF	P-63 to P-93
#13	60 Mil primary Liner		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY				
SWM PHASE 3 EXPANSION	ITB 040-10	10/21/2010	Thursday	NO: 109 OF 215				
WEATHER CONDITIONS: [	X CLEAR PARTI	Y CLOUDY HEA	VY CLOUDS	FOG				
TEMPERATURE:	86 HIGH 57	LOW TEMPER	ATURE RESTRICTION NO					
	NONE X SLIGHT ND SPEED: MP		not red	corded				
i		ART:	END:	RAIN IN GUAGE				
RAIN DURATION: [	x 0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	ALL DAY					
WORKING CONDITIONS: [	x EXCELLENT GOOD	FAIR	POOR	BAD				
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY				
SOIL CONDITIONS: [	x DRY WET	EXTREMELY WE	Т					
	EFFECTS OF WEAT		TEMS					
MAJOR AND/OR CONTROLLING WORK ITEMS		1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI					
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	_ 🗆							
	_ 🗆							
NUMBER OF PHOTOS	tal which the strem building along the material	O INFORMATION:						
	PHOTO ID NUMBERS							
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			<del> </del>					
VISITORS:			· · ·					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/21/2010	Thursday	NO. 109 of 215

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation from the South side of phasel-3 near phase-2 and removed the ramp. A total of 61 loads removed from the ramp and 45 loads of sand were hauled to the stockpile area. The liner crew continued deployment of the geocomposite bi-planar material from panel P-63 to P-93 (total of 43,380 SQF). Comanco also worked on liner repairs RS-79, RS-80, RS-82 to RS-93 and vacuum tested repairs RS-59 to RS-94. Observed and documented geocomposite deployment, liner repairs and vacuum testing. See geocomposite placement and liner repairs logs for details. Commanco completed excavation and removal of the ramp.
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	DESCR	IPTION OF WORK			
CONTRACT NAME:	CONTRACT NO: DATE:		DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	10/22/2010	Friday	NO. 110 OF 215	
	CONTRAC	CTOR INFORMATION			
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	UCTION CORPORATION			
SUBCONTRACTORS: Diamor	nd Transport				
		, .,			
			TIME (A	M/PM)	
OPER	RATION AND LOCATION		BEGINNING	ENDING	
Primary liner installation from P-41	1 to P-55		7:00 AM	6:30 PM	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	13 Rolls of Rain Trap
FOREMAN	1	11	
SKILLED	10	11	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		EQUIPMENT A	Г (ACTIVE/IDLE) A	A
Α	BULLDOZER	SURVEYING EQUIPME		
Α	FRONT END LOADER	GPS BASE STATION		
Α	GENERATOR			
	PUMP			
Α	ROLLER, STEEL WHEEL			
	TRACTOR, SKID STEER			
	TRUCK, DUMP			
Α	TRUCK, PICKUP			
	TRUCK, WATER		·	
	TRUCK, FUEL			
Α	TRACKHOE			

	CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS						
#6	сит								
#10	Geosynthetic clay liner								
#9	Biaxial HDPE Geogrid	,							
#11	60 Mil Secondary Liner								
#12	Bi-planar Geocomposite								
#13	60 Mil primary Liner	43,024 SQF	P-41 to P-55						



WEATHER CONDITIONS: SCILCAR PARTLY CLOUDY HEAVY CLOUDS FROM POOR TEMPERATURE: 87 HIGH 57 LOW TEMPERATURE RESTRICTION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO. SPECIFICATION NO.	CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
TEMPERATURE: 87 HIGH 57 LOW TEMPERATURE RESTRICTION SPECIFICATION NO.  WIND: NONE SILIGHT STAND STRONG WIND DIRECTION: not recorded  RAIN: NONE LIGHT HEAVY SHOWERS BAIN IN GUAGE  RAIN: NONE LIGHT HEAVY SHOWERS BAIN IN GUAGE  RAIN DURATION: STAND BAIN DURATION: SO PERSON BAIN IN GUAGE  RAIN DURATION: SO PERSON BAIN BAIN IN GUAGE  RAIN DURATION OF ACCEPTABLE MORE THAN 50% OF WORK DAY OF WORK DAY OF WORK DAY OF WORK DAY OF WORK DAY OF WORK DAY BAIL DAY  WORKING CONDITIONS: DRY WET EXTREMELY WET  SOIL CONDITIONS: DRY WET EXTREMELY WET  SEFECTS OF WEATHER ON MAJOR WORK ITEMS  MAJOR AND/OR DAY SO OF WORK DAY THAN 50% OF WORK ALL DAY  WORK ITEMS DAY SO OF WORK DAY THAN 50% OF WORK ALL DAY  PHOTO ID NUMBERS  PHOTO ID NUMBERS  PHOTO ID NUMBERS	SWM PHASE 3 EXPANSION	ITB 040-10	10/22/2010	Friday	NO: 110 OF 215
WIND: NONE SIGNED STRONG SPECIFICATION NO: SPECIFICATION NO: MIND SPEED: SIGNED STRONG WIND DIRECTION: MPH HEAVY SHOWERS RAIN IN GUAGE  RAIN: NONE START: HEAVY SHOWERS RAIN IN GUAGE  RAIN: START: HEAVY SHOWERS RAIN IN GUAGE  RAIN DURATION: SO SHOWERS RAIN IN GUAGE  RAIN DURATION: SO SHOWERS RAIN IN GUAGE  RAIN DURATION: SO SHOWERS RAIN IN GUAGE  BAD DURATION OF ACCEPTABLE MORE THAN 50% SO SHOWERS ALL DAY  WORKING CONDITIONS: DRY WET START: START: SO SHOWERS ALL DAY  WORKING CONDITIONS: DRY WET STARTER ON MAJOR WORK ITEMS  SOIL CONDITIONS: DRY WET STARTER ON MAJOR WORK ITEMS  SOIL CONDITIONS: DRY SO SHOWERS SON OF WORK DAY THAN 50% OF WORK ALL DAY  MAJOR ANDOR DAY SON OF WORK DAY THAN 50% OF WORK ALL DAY  PHOTO INFORMATION:  PHOTO ID NUMBERS  PHOTO ID NUMBERS	WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
RAIN:   NONE	TEMPERATURE:	87 HIGH 57	LOW TEMPER		1
TIST RAINFALL: START: END: RAIN IN GUAGE 2ND RAINFALL: START: END: ROUTE END: NOT RECORDED AS FAIR DECURRED ALL DAY  WORKING CONDITIONS: EXCELLENT GOOD FAIR POOR BAD  DURATION OF ACCEPTABLE ALL DAY OF WORK DAY OF WORK DAY  SOIL CONDITIONS: DAY WET EXTREMELY WET  EFFECTS OF WEATHER ON MAJOR WORK ITEMS  MAJOR AND/OR OR NO EFFECT ALL EFFECTED LESS THAN 50% OF WORK ALL DAY  MAJOR AND/OR OR NO EFFECT ALL EFFECTED LESS THAN 50% OF WORK ALL DAY  MAJOR AND/OR OR OR OF WORK DAY THAN 50% OF WORK ALL DAY  MAJOR AND/OR OR OR OR OR OR OR OR OR OR OR OR OR O	L			not re	corded
RAIN DURATION:	1	ST RAINFALL: ST ND RAINFALL: ST	ART:	END:END:	RAIN IN GUAGE
DURATION OF ACCEPTABLE ALL DAY OF WORK DAY OF WORK DAY OF WORK DAY ALL DAY  SOIL CONDITIONS: DRY WET EXTREMELY WET  SOIL CONDITIONS: DRY SON OF WORK DAY SON OF WORK DAY THAN 50% OF WORK ALL DAY  MAJOR AND/OR DAY SON OF WORK DAY THAN 50% OF WORK ALL DAY  OF WORK DAY THAN 50% OF WORK ALL DAY  PHOTO INFORMATION:  PHOTO ID NUMBERS  PHOTO ID NUMBERS	RAIN DURATION:			<b>—</b>	
ACCEPTABLE CONDITIONS:  SOIL CONDITIONS:  SOIL CONDITIONS:  DRY WET EFFECTS OF WEATHER ON MAJOR WORK ITEMS  CONTROLLING WORK ITEMS  DAY EFFECTED LESS THAN EFFECTED MORE ALL DAY  HAIN 50% OF WORK DAY THAN 50% OF WORK ALL DAY  THAN 50% OF WORK ALL DAY  PHOTO INFORMATION:  PHOTO ID NUMBERS  PHOTO ID NUMBERS	WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
MAJOR AND/OR ONTROLLING WORK ITEMS  MAJOR AND/OR ONTROLLING WORK ITEMS  NO EFFECT ALL DAY  NO EFFECT ALL DAY  So% OF WORK DAY  THAN 50% OF WORK ALL DAY  THAN 50% OF WORK ALL DAY  PHOTO INFORMATION:  PHOTO ID NUMBERS  PHOTO ID NUMBERS	ACCEPTABLE				
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1	CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
	SWM PHASE 3 EXPANSION	ITB 040-10	10/22/2010	Friday	NO. 110 of 215

GENERAL COMMENTS: Comanco ons liner crew continued deployment of the prepairs RS-62 to RS-100, vacuum tested liner deployment, liner repairs, vacuum a destructive samples DP-13 to DP-17 and	orimary liner from panel P-41 to F If the tie-in and performed air pre and air pressure testing. See liner	P-55 (total of 43,024 SQF). Comano ssure testing on fusion seams. Obs placement and repairs logs for det	o also worked on liner erved and documented
	. <u></u> .		
PROJECT INSPECTOR: Paul Siriboury	DATE: 10/22/10	HOURS AT JOB SITE FROM 7:00 TO 18:30	TOTAL HOURS



	<u> </u>				OF WORK	<u> </u>	
CONTRACT NAME:		1		l l		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANS			ITB 040-10			Saturday	NO. 111 OF 215
		<u> </u>	CONT	RACTOR II	NFORMATION		
CONTRACTOR: COMAN	CO EN	VIRO	NMENTAL CON	STRUCTIO	N CORPORATION	DN	
SUBCONTRACTORS:							
							(AM/PM)
	OPER	RATIO	N AND LOCATION	)N		BEGINNING	ENDING
PERSONNEL	N	0	HOURS		M	ATERIALS RECEIVED	
PERSONNEL		T 10	WORKED				
SUPERVISO							
FOREMA							
SKILLE	_					•	
TRUCK DRIVER							
LABO							
MECHANI							
GEOTECHNICAL TECH	<u> </u>			<del></del>		·*·	
			EQU	PMENT (A	CTIVE/IDLE)		
Á	an Albert	Α	01101/51/110		A	<u> </u>	
BULLDOZER			SURVEYING EC				
FRONT END LOAD	)ER	<b></b>	GPS BASE STA	TION			
GENERATOR							
PUMP		$\sqcup$	<del></del>				
ROLLER, STEEL V							
TRACTOR, SKID S	STEER		<del></del>				
TRUCK, DUMP							
TRUCK, PICKUP							
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TRUCK, FUEL							
TRACKHOE					L		
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ITEM NO.	11	rem	- G	UANTITY		REMARKS AND CALC	ULATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/23/2010	Saturday	NO: 111 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	87 HIGH 48	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
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1		ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF BUOTOS		DINFORMATION:		
NUMBER OF PHOTOS		O ID NUMBERS		
	Phot	OID NOWIBERS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/23/2010	Saturday	NO. 111 of 215

Paul Siriboury	Ditte.	10/23/10	FROM TO	TOTAL HOURO
PROJECT INSPECTOR:	DATE:		HOURS AT JOB SITE	TOTAL HOURS
				•
GENERAL COMMENTS: (	Comanco not on site. I	No work planned or per	rformed.	



CONTRACT NAME:	<u> </u>					IDAY OF WEEK	LOCUEDAGE DAY
SWM PHASE 3 EX	PANSION	1	TRACT NO: ITB 040-10		10/24/2010	DAY OF WEEK: Sunday	NO. 112 OF 215
		(KYA)	CON	TRACTOR IN	FORMATION		
CONTRACTOR: CO							
SUBCONTRACTORS	:						
							(AM/PM)
	OPE	RATIO	N AND LOCAT	ION		BEGINNING	ENDING
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PERSONNEL	N	10	HOURS		M/	ATERIALS RECEIVED	
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GENERATOR			<u> </u>		<del> </del>		
		1		<del></del>	+		
PUMP							i
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ROLLER, STE TRACTOR, SI TRUCK, DUM	KID STEER P UP						
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	10/24/2010	Sunday	NO: 111 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	89 HIGH 62	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
WIND: W	NONE X SLIGHT SPEED: MP	STRONG H WIND DIRECTION:	not rec	orded
	2ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF	
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NUMBER OF PHOTO:	NEW WORLD CONTROL OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSO	DINFORMATION:		
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/24/2010	Sunday	NO. 112 of 215

GENERAL COMMENTS:	Comanco not on site. No work pl	anned or performed.		
PROJECT INSPECTOR:	DATE:	HOURS AT JO	AD CITE	TOTAL HOURS
Paul Siriboury	DATE: 10/24/10			IOTAL HOURS



	DESCF	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/25/2010	Monday	NO. 113 OF 215
	CONTRAC	CTOR INFORMATION	<b>经过去的第三人称单</b>	
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: PSI	,			
			TIME (A	M/PM)
OPER	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	6:00 PM
<del>_</del>		•	- · · · · · · · · · · · · · · · · · · ·	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	
FOREMAN	1	10	
SKILLED	10	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	1.5	

Α	BULLDOZER	SURVEYING EQUIPMEN	<b>A</b>
	FRONT END LOADER	GPS BASE STATION	
Α	GENERATOR		
	PUMP		 -
Α	ROLLER, STEEL WHEEL		
	TRACTOR, SKID STEER		
	TRUCK, DUMP		
Α	TRUCK, PICKUP		
Α	TRUCK, WATER		
	TRUCK, FUEL		
Α	TRACKHOE		 <u> </u>

CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
			P-74 to P-109				
#14	Geocomposite Tri-planar	44,763 SQF					
#10	Geosynthetic clay liner						
#9	Biaxial HDPE Geogrid						
#11	60 Mil Secondary Liner						
#12	Bi-planar Geocomposite						
#13	60 Mil primary Liner						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	10/25/2010	Monday	NO: 113 OF 215
WEATHER CONDITIONS:	XCLEAR ☐PA	RTLY CLOUDY	AVY CLOUDS	FOG
TEMPERATURE:			RATURE RESTRICTIC SPECIFICATION N	
WIND:	NONE X SLIGI	HT STRONG MPH WIND DIRECTION	:not re	ecorded
RAIN:	1ST RAINFALL: 2ND RAINFALL:	T HEAVY START: START: ain occurred during non-workir	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 H		ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOI	D FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	x ACCEPTABLE [ ALL DAY		ESS THAN 50% [ DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY W	ΞŦ	
	EFFECTS OF W	EATHER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	•	THAN 50% OF W	
NUMBER OF PHOTO	and the other sections of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sectio	OTO INFORMATION:		
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VISITORS:	-	······		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/25/2010	Monday	NO. 113 of 215

PROJECT INSPECTOR:         DATE:         HOURS AT JOB SITE         TOTAL HOURS           Paul Siriboury         10/25/10         FROM 7:00 TO 18:00         10.5	
and the repair togs for details.	
repairs RP-62 to RP-100. Observed and documented geocomposite deployment and vacuum testing; see geocomposite placer and liner repair logs for details.	nent
Igeocomposite Tri-planar material from panel P-74 to P-109 (total of 44.763 SQF). Comanco also worked on vacuum testing of	iner
GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. PSI technicame on site today and performed density tests on the North-West slope of phase 3. Comanco continued deploying the	iciar



	DESC	CRIPTION OF WORK	and the second second	
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/26/2010	DAY OF WEEK: Tuesday	CONTRACT DAY NO. 114 OF 215
	CONTR	ACTOR INFORMATION	taka dalam ayan birin da	The second second second second
CONTRACTOR: COMANCO EN	VIRONMENTAL CONST	BUCTION CORPORATION	<u>a ta Taban Baki Tiji ni</u> N	
SUBCONTRACTORS:		THE THE COMMONATION		
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			TIME (	AM/PM)
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Excavation North Anchortrench ar	RATION AND LOCATION and installed GCL and second	ondary liner		ENDING
Excavation North Anchortrench ar	nd installed GCL and second	ondary liner.	7:00 AM	ENDING 6:00 PM
Excavation North Anchortrench ar	nd installed GCL and seco	ondary liner.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Excavation North Anchortrench ar	nd installed GCL and seco	ondary liner.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	
FOREMAN	1	10	
SKILLED	10	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		A SURVEYING EQUIPMEN		<u>s. se Prise a Pily fily</u>	<u> </u>	- A		
Α	FRONT END LOADER	GPS BASE STATION	+		<del>-</del>		<del></del>	 
Α	GENERATOR		<del>   </del>				<u> </u>	 
	PUMP		╫				<u> </u>	 
Α	ROLLER, STEEL WHEEL		$\vdash$					 
	TRACTOR, SKID STEER		<del>                                     </del>			-	<u> </u>	 
	TRUCK, DUMP		<del>                                     </del>					 
Ā	TRUCK, PICKUP	<del></del>	┝─┼					 
A	TRUCK, WATER		<del>                                     </del>			_	<u> </u>	 
	TRUCK, FUEL		$\vdash$					
Α	TRACKHOE		-			—		 

TEM NO.	ITEM	QUANTITY	NCREASES TODAY REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar		
#10	Geosynthetic clay liner	20,250 SQF	
#9	Biaxial HDPE Geogrid	21,780 SQF	P-99 to P-120
#11	60 Mil Secondary Liner	21,936 SQF	S-57 to S-67
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/26/2010	Tuesday	NO: 114 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	91 HIGH <u>71</u>	. ⊔	ATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT ND SPEED: MP	STRONG "H WIND DIRECTION:	not rec	corded
1	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	<u>-</u>	
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NUMBER OF PHOTOS	TOO HER HE SEE SEE TO SEE SEE SEE SEE SEE SEE SEE	O INFORMATION:		
<u> </u>	РНОТ	O ID NUMBERS		
		<u> </u>	<b> </b>	
				<del></del>
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/26/2010	Tuesday	NO. 114 of 215

	·		
secondary liner deployment and lind destructive samples DS-18 to DS-	ner repairs. See geogrid, GC	L and liner placement and repairs logs for	or details. Marked liner
Comanco also worked on liner rep	airs RS-95 to RS-102 and R	and secondary liner from panel P-57 to P S-108 to RS-117. Observed and docume	ented geogrid, GCL, and

FROM 7:00 TO 17:30

10/26/10

Paul Siriboury

10



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/27/2010	Wednesday	NO. 115 OF 215
		CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS:				
			-	
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
Excavation North Anchortrench ar	nd installed GCL and secon	dary liner.	7:00 AM	6:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	
FOREMAN	1	10	
SKILLED	14	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		EQUIPMENT (ACTIVE/IDLE) A A
	BULLDOZER	SURVEYING EQUIPMEN
Α	FRONT END LOADER	GPS BASE STATION
Α	GENERATOR	
	PUMP	
Α	ROLLER, STEEL WHEEL	
	TRACTOR, SKID STEER	
	TRUCK, DUMP	
Α	TRUCK, PICKUP	
Α	TRUCK, WATER	
	TRUCK, FUEL	
Α	TRACKHOE	

455 Married F	CONTI	RACT QUANTITY I	NCREASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar		
#10	Geosynthetic clay liner	4,500 SQF	
#9	Biaxial HDPE Geogrid	47,280 SQF	P-121 to P-154
#11	60 Mil Secondary Liner	37,665 SQF	S-68 to S-77
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner	_	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	10/27/2010	Wednesday	NO: 115 OF 215
WEATHER CONDITIONS:	CLEAR X PAF	RTLY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:			RATURE RESTRICTION NO	
WIND: W	NONE X SLIGH	T STRONG MPH WIND DIRECTION:	not re	corded
	2ND RAINFALL:	START:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HF		ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:	X ACCEPTABLE ALL DAY		ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	:T	
	EFFECTS OF WE	ATHER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/27/2010	Wednesday	NO. 115 of 215

continued excavation along the north a panel P-121 to P-154 (total of 47,280 S Comanco also worked on liner repairs secondary liner deployment and liner r destructive samples DS-21 to DS-23 a	SQF), GCL (total of 4,500 SQF) RS-103 to RS-107 and RS-118 repairs. See geogrid, GCL and li	and secondary liner from P-68 to P-7 to RS-126. Observed and document ner placement and repair logs for de	77 (total of 37,665 SQF). ed geogrid, GCL and
PROJECT INSPECTOR: Paul Siriboury	DATE: 10/27/10	HOURS AT JOB SITE FROM 7:00 TO 17:30	TOTAL HOURS



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/28/2010	Thursday	NO. 116 OF 215
		CTOR INFORMATION	机电机 计数值 收入	2017年美国基础
CONTRACTOR: COMANCO EN	NVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS:				<del></del>
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			<del>-</del>	
			TIME (A	M/PM)
OPE	RATION AND LOCATION		BEGINNING	ENDING
Excavation North Anchortrench a	nd installed GCL and secon	dary liner.	7:00 AM	6:00 PM
		· · · · · · · · · · · · · · · · · ·		

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10.5	
FOREMAN	1	10.5	
SKILLED	14	10.5	
TRUCK DRIVERS			
LABOR		,	
MECHANIC	****		
GEOTECHNICAL TECH			

Α		EQUIPMENT (ACTIVE/IDLE)  A A A
Α	BULLDOZER	SURVEYING EQUIPMEN
Α	FRONT END LOADER	GPS BASE STATION
Α	GENERATOR	
	PUMP	
Α	ROLLER, STEEL WHEEL	
	TRACTOR, SKID STEER	
	TRUCK, DUMP	
Α	TRUCK, PICKUP	
Α	TRUCK, WATER	
	TRUCK, FUEL	
Α	TRACKHOE	

	CONT	RACT QUANTITY II	NCREASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar		
#10	Geosynthetic clay liner	20,250 SQF	
#9	Biaxial HDPE Geogrid	68,544 SQF	P-155 to P-207
#11	60 Mil Secondary Liner	11,813 SQF	S-78 to S-85
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		



CONTRACT NAME:				DATE:		DAY OF WEEK:	co	NTRACT DAY
SWM PHASE 3 EXPANSION	N	ITB 040	-10	10/28/2010		Thursday		116 OF 215
WEATHER CONDITIONS:	<u>x</u> C	LEAR	PARTL	Y CLOUDY	HEA	VY CLOUDS		]FOG
TEMPERATURE:		91 HIGH				ATURE RESTRICT SPECIFICATION		
WIND:		ONE X SPEED:	SLIGHT MPI	STRONG WIND DIR		not	recorde	d
RAIN:	1ST	RAINFALL: RAINFALL:	STA	HEAVY ART: Courred during no	_ [	SHOWERS END: END:	RAIN	IN GUAGE
RAIN DURATION:	x 0-		2-4 HRS	4-6 HRS	ĭ	ALL DAY		
WORKING CONDITIONS:	хЕХ	KCELLENT	GOOD	FAIR	[	POOR		]BAD
DURATION OF ACCEPTABLE CONDITIONS:		CCEPTABLE LL DAY		ORE THAN 50% WORK DAY		SS THAN 50% WORK DAY		CCEPTABLE DAY
SOIL CONDITIONS:	x DF	RY 📗	WET	EXTREM	IELY WET	-		
	ATT.	EFFECTS (	OF WEATH	IER ON MAJOR	WORK IT	EMS		
MAJOR AND/OR CONTROLLING WORK ITEM	IS	NO EFFEC	ΓALL	EFFECTED LES 50% OF WORK		EFFECTED N THAN 50% OF		NO WORK ALL DAY
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VISITORS:				-	<u>-</u>		<del>-</del>	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/28/2010	Thursday	NO. 116 of 215

GENERAL COMMENTS: Comanco o continued deploying the Biaxial geogri secondary liner from P-78 to P-85 (tota RS-198. Observed and documented g placement and repair logs for details.	d material from panel P-155 to P- al of 11,813 SQF). Comanco also eogrid, GCL and secondary liner o	207 (total of 68,544 SQF), GCL (to worked on liner repairs RS-127 to	al of 20,250 SQF), and RS-160 and RS-196 to
PROJECT INSPECTOR: Paul Siriboury	DATE: 10/28/10	HOURS AT JOB SITE FROM 7:00 TO 17:30	TOTAL HOURS



	DESCR	IPTION OF WORK		The Carlotte State
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/29/2010	Friday	NO. 117 OF 215
	CONTRAC	TOR INFORMATION		No entre Habi
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS:				
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	, , <del>-</del> ''	<del></del>	TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	7:30 PM
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			<del>'                                    </del>	<del> </del>
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PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	12	
FOREMAN	1	12	
SKILLED	13	12	
TRUCK DRIVERS	2	8	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		Α	EQUIPMENT (A	ACTIVE/IDLE) A A	
Α	BULLDOZER		SURVEYING EQUIPMEN	T	
Α	FRONT END LOADER	Α	GPS BASE STATION		
Α	GENERATOR				
	PUMP				
Α	ROLLER, STEEL WHEEL				
	TRACTOR, SKID STEER				
Α	TRUCK, DUMP				
A	TRUCK, PICKUP				
Α	TRUCK, WATER				
	TRUCK, FUEL				
Α	TRACKHOE				

CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
#14	Geocomposite Tri-planar	-						
#10	Geosynthetic clay liner							
#9	Biaxial HDPE Geogrid							
#11	60 Mil Secondary Liner	64,520 SQF	S-86 to S-114					
#12	Bi-planar Geocomposite							
#13	60 Mil primary Liner							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/29/2010	Friday	NO: 117 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	84 HIGH <u>66</u>	LOW TEMPER	ATURE RESTRICTION NO	
WIND: [ WI	NONE X SLIGHT ND SPEED: MP	STRONG WIND DIRECTION:	not re	corded
ī	ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	T	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MC THAN 50% OF W	
NUMBER OF PHOTOS	e i edelen e er vier iz e la gibbe kallante bland billeta (gladio la la la la	O INFORMATION:		
	PHOT	TO ID NUMBERS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/29/2010	Friday	NO. 117 of 215

deployment in the sump and west stope areas. Observed and occumented secondary liner deployment and seaming, see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from borrow pit and stockpiled the material on the South East side of Phase 3.	PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
deployment in the sump and west slope areas. Observed and documented secondary liner deployment and seaming; see Panel placement and seaming logs for details. Diamond Trucking and Burglund construction services hauled protective cover sand from				
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sommers appropring associately informating patient for to it it in total of 04,520 SQL) and the crew stayed rate to complete liner	deployment in the sump and west	slope areas. Observed and	documented secondary liner deployment	t and seaming: see Panel
GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued deploying secondary liner from panel P-86 to P-114 (total of 64,520 SQF) and the crew stayed late to complete liner	continued deploying secondary lin	er nom paner r-00 to P-114	(lolal of 64,520 SQF) and the crew stave	ed late to complete liner

10/29/10

FROM 7:00 TO 19:30

Paul Siriboury



#12

#13

# DAILY REPORT OF CONSTRUCTION

( '( )NITD A		1	DESCR	IPTION OF WORK		
CONTRACT NAME SWM PHASE 3 E	: VDANOLON	CONTRACT NO	D:	DATE:	DAY OF WEEK:	
SWIN PHASE 3 E	XPANSION	ITB 040-	-10	10/30/2010	Saturday	
CONTRACTOR	OMANICO EN	3/1001145154	CONTRAC	TOR INFORMATION		
SUBCONTRACTOR	OMANCO EN	VIRONMENTAL	CONSTRI	JCTION CORPORATION	ON	
OBCONTRACTOR	15:					
	<del></del>					
<del></del> -	<del></del>	<del></del>				
		<del></del>				
	OPE	RATION AND LO	CATION		TIME (	(AM/PM)
	0121	IATION AND LO	CATION		BEGINNING	ENDING
				<del></del>	7:00 AM	4:00 PM
		<del></del>				
PERSONNEL	Santa de	HOURS			and Company and the second second	
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PUMP A ROLLER, STE TRACTOR, SI A TRUCK, DUM A TRUCK, PICK A TRUCK, WAT TRUCK, FUEL A TRACKHOE  ITEM NO. #14 G #10 G #9 Bi	EEL WHEEL KID STEER P UP ER ITE	CONTRAC M Tri-planar lay liner	CT QUANTI			ATIONS

Bi-planar Geocomposite

60 Mil primary Liner



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/30/2010	Saturday	NO: 118 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:			RATURE RESTRICTION SPECIFICATION NO	
WIND: L WI	NONE X SLIGHT ND SPEED: MP	STRONG "H WIND DIRECTION:	not rec	corded
ī	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF 2 ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [2	DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF PHOTOS	<u>a Espekkotte til i de stustak top tittast 4.55</u>	O INFORMATION:		
	РНОТ	O ID NUMBERS		
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			<b> </b>	
VISITORS:				
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	l
SWM PHASE 3 EXPANSION	ITB 040-10	10/30/2010	Saturday	NO. 118 of 215	l

worked on liner details from repairs RS documented liner repairs and vacuum	S-199 to RS-227 and vacuum teste	ed repairs RS-95 to RS-160, RS201	-RS220. Observed and
PROJECT INSPECTOR: Paul Siriboury	DATE: 10/30/10	HOURS AT JOB SITE FROM 7:00 TO 16:00	TOTAL HOURS 8.5



		DE			DAY OF WEEK:	CONTRACT DAY
ONTRACT NAME: SWM PHASE 3 EXPANSIO						
SWM PHASE 3 EXPANSIC		CON	TRACTOR IN	ORMATION		
ONTRACTOR: COMANCO	ENVIRO	NMENTAL CON	STRUCTION	CORPORATIO	ON .	
UBCONTRACTORS:						
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ROLLER, STEEL WH TRACTOR, SKID STE TRUCK, DUMP TRUCK, PICKUP						
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ROLLER, STEEL WH TRACTOR, SKID STE TRUCK, DUMP TRUCK, PICKUP						
ROLLER, STEEL WH TRACTOR, SKID STE TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL						
ROLLER, STEEL WH TRACTOR, SKID STE TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	ER	CONTRACT	QUANTITY	CREASES TO	DAY	
ROLLER, STEEL WH TRACTOR, SKID STE TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL			QUANTITY		DAY REMARKS AND CALC	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	N ITB 040-10	10/31/2010	Sunday	NO: 119 OF 215
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	<u>86</u> HIGH <u>55</u>	_LOW TEMPEF	RATURE RESTRICTIO SPECIFICATION NO	
WIND: V	NONE X SLIGHT WIND SPEED: MF	STRONG PH WIND DIRECTION:	not re	corded
RAIN:	2ND RAINFALL: ST	TART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT		TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
	Ц			
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NUMBER OF PHOTO	O TAICEN.	DINFORMATION:		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/31/2010	Sunday	NO. 119 of 215

GENERAL COMMENTS: Com	anco not on site. No work planned	or performed.	
<del></del>	<del></del>		<u>.</u> .
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL LIQUIDO
Paul Siriboury	10/31/10	FROM TO	TOTAL HOURS



	DESC	CRIPTION OF WORK		H. W. 1987
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/1/2010	Monday	NO. 120 OF 215
	CONTR	ACTOR INFORMATION		
CONTRACTOR: COMANCO EN	VVIRONMENTAL CONST	TRUCTION CORPORATION		
SUBCONTRACTORS:	· · · ·			
			, , <u></u>	, <u></u>
				<del></del>
			TIME (	AM/PM)
OPE	RATION AND LOCATION		BEGINNING	ENDING
		· · · · · · · · · · · · · · · · · · ·	7:00 AM	6:30 PM
<u> </u>			4 <u> </u>	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		A	EQUIPMENT (/	ACTIVE/IDLE) A		Α		
	BULLDOZER		SURVEYING EQUIPMEN					
Α	FRONT END LOADER		GPS BASE STATION					$\neg$
Α	GENERATOR							
	PUMP							$\neg$
Α	ROLLER, STEEL WHEEL				-		<u></u>	$\neg$
	TRACTOR, SKID STEER							
Α	TRUCK, DUMP					1 1		$\neg$
Α	TRUCK, PICKUP							$\neg$
Α	TRUCK, WATER							$\Box$
	TRUCK, FUEL							$\neg$
Α	TRACKHOE							$\neg$

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ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar		
#10	Geosynthetic clay liner		
#9	Biaxial HDPE Geogrid		
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite	60,075 SQF	P-94 to P-117
#13	60 Mil primary Liner		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/1/2010	Monday	NO: 120 OF 215
WEATHER CONDITIONS: [2	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	86 HIGH <u>60</u>	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO	
WIND: [ WI	NONE X SLIGHT ND SPEED: MP	STRONG  H WIND DIRECTION:	not rec	orded
ĩ	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY	EXTREMELY WE	T	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF WO	
<del>-</del>				
NUMBER OF PHOTOS		DINFORMATION:		
NOMBER OF THOTOS		TO ID NUMBERS		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/1/2010	Monday	NO. 120 of 215

GENERAL COMMENTS: Comanco or			
deployed Bi-planar geocomposite mate repairs RS-161 to RS-179 with vacuum			
repairs and vacuum testing; see Bi-pla	nar geocomposite and repair log	s for details. Sent out DS-27 to DS-	32 to TRI for laboratory
testing.	green-presso and topan log		
•			
•			
PROJECT INODECTOR	DATE	LIQUIDO AT JOS CITE	TOTAL HOUSE
PROJECT INSPECTOR:	DATE: 11/01/10	HOURS AT JOB SITE FROM 7:00 TO 18:30	TOTAL HOURS
Paul Siriboury	11/01/10	FHOW 7.00 TO 18:30	11



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/2/2010	Tuesday	NO. 121 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION	· · ·	
SUBCONTRACTORS:				
	<del></del>			
<del>.</del>			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	5:30 PM
		· · · · · · · · · · · · · · · · · · ·		
			•	*****

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	
FOREMAN	1	10	
SKILLED	13	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		Α	EQUIPMENT (	Α		Α.	
Α	BULLDOZER		SURVEYING EQUIPMEN				
A	FRONT END LOADER		GPS BASE STATION				
Α	GENERATOR						
	PUMP						
Α	ROLLER, STEEL WHEEL				······································		
	TRACTOR, SKID STEER			_			
Α	TRUCK, DUMP						
Α	TRUCK, PICKUP						
Α	TRUCK, WATER						
	TRUCK, FUEL						
A	TRACKHOE						

	CONTE	RACT QUANTITY I	NCREASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar		
#10	Geosynthetic clay liner		
#15	Uniaxial Geogrid	4,068 SQF	P-1 to P-23
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite	44,670 SQF	P-118 to P-148
#13	60 Mil primary Liner		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/2/2010	Tuesday	NO: 121 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	82 HIGH 64	LOW TEMPER	NATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT D SPEED: MP	STRONG H WIND DIRECTION:	not rec	orded
19	D RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION: X	]0-2 HRS	ccurred during non-working 4-6 HRS	ALL DAY	
WORKING CONDITIONS: X	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR	
		Ц		
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NUMBER OF PHOTOS	Figure 1980 Company and the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company	O INFORMATION:		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/2/2010	Tuesday	NO. 121 of 215

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued deployment of the Bi-planar geocomposite material from panel P-118 to P-148 (total 44,670 SQF). The crew also began deployment of the Uniaxial geogrid on the slope from panel P-1 to P-23 (total 4,068 SQF). See geogrid and Composite placement togs for details.	



	DESCR	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/3/2010	Wednesday	NO. 122 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN				
SUBCONTRACTORS:				
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	5:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	
FOREMAN	1	10	
SKILLED	12	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

	А		Α	EQUIPMENT (	ACTI A	VE/IDLE)	A	
		BULLDOZER		SURVEYING EQUIPMEN		The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	T	1
	Α	FRONT END LOADER		GPS BASE STATION	•	-	1	
	Α	GENERATOR						
		PUMP						
ı	Α	ROLLER, STEEL WHEEL						
- 1		TRACTOR, SKID STEER						1
l	Α	TRUCK, DUMP						
	Α	TRUCK, PICKUP						1
	A	TRUCK, WATER						
		TRUCK, FUEL					<b>†</b>	
	Α	TRACKHOE					1	1

version also Si	CONT	RACT QUANTITY IN	CREASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar		
#10	Geosynthetic clay liner	<u>.</u> .	
#15	Uniaxial Geogrid		
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner	80,320 SQF	P-56 to P-82



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/3/2010	Wednesday	NO: 122 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	86 HIGH 60	LOW TEMPER	RATURE RESTRICTION NO	
WIND:	NONE X SLIGHT  /IND SPEED: MP	STRONG PH WIND DIRECTION:	not re	corded
	2ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	X EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MC THAN 50% OF W	
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	PHOT	TO ID NUMBERS		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/3/2010	Wednesday	NO. 122 of 215

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
esting.		e samples DP-18 to DP-24 and send t	,



	DESCF	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/4/2010	Thursday	NO. 123 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Trucking			
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	5:30 PM
				·

PERSONNEL	NO	HOURS WORKED	MATERIAL'S RECEIVED
SUPERVISOR	2	10	
FOREMAN	1	10	
SKILLED	12	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		Α	EQUIPMENT (A	ACTIV	E/IDLE)		A	
_	BULLDOZER		SURVEYING EQUIPMEN		<u> </u>	COLUMN TOWN TO	1	26,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Α	FRONT END LOADER	Α	GPS BASE STATION	$\neg$				
Á	GENERATOR							
	PUMP							
Α	ROLLER, STEEL WHEEL		·	$\neg$				
	TRACTOR, SKID STEER							
Α	TRUCK, DUMP			$\neg$			1	
Α	TRUCK, PICKUP							
Α	TRUCK, WATER							
	TRUCK, FUEL							
Α	TRACKHOE					•		<u> </u>

	CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS						
#14	Geocomposite Tri-planar	10,313 SQF	P-110 to P-114						
#10	Geosynthetic clay liner								
#15	Uniaxial Geogrid								
#11	60 Mil Secondary Liner								
#12	Bi-planar Geocomposite								
#13	60 Mil primary Liner								



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	_CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/4/2010	Thursday	NO: 123 OF 215
WEATHER CONDITIONS: X	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	64 HIGH 48	LOW TEMPER	RATURE RESTRICTION NO	
	NONE X SLIGHT ID SPEED: MP	STRONG H WIND DIRECTION:	not re	corded
15	ID RAINFALL: ST	ART:	SHOWERS END:	RAIN IN GUAGE
RAIN DURATION: X	]0-2 HRS	occurred during non-working 4-6 HRS	ALL DAY	
WORKING CONDITIONS: X	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF PHOTOS	Nagor, or Proposition activities of activities of the Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa Santa	D INFORMATION:		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/4/2010	Thursday	NO. 124 of 215

GENERAL COMMENTS: Comanco or excavated and graded the swale along geocomposite material from panel P-1 as well as air pressure testing. Observ and geocomposite placement logs for testing.	the North side of phase 3. The I 10 to P-114 (total 10,313 SQF) a red and documented geocompos	iner crew continued deployment of th and also worked on liner details from ite installation, liner repair and non-de	e Tri-planar repair RP-123 to RP-144 estructive test; see liner
		·	
DDO JECT INCRECTOR	DATE	HOURO AT 100 OUTS	TOTAL HOUSE
PROJECT INSPECTOR: Paul Siriboury	DATE: 11/04/10	HOURS AT JOB SITE FROM 7:00 TO 15:30	TOTAL HOURS 10

11/04/10



	DESCI	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/5/2010	Friday	NO. 124 OF 215
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONST	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd Trucking			
·		<del>* · · · ·</del>		
		•		
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	7:00 PM
		= -		
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PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	12	
FOREMAN	2	11.5	
SKILLED	17	11.5	
TRUCK DRIVERS			
LABOR		,	
MECHANIC			
GEOTECHNICAL TECH			

Α		Α	EQUIPMENT (	ACTIV A	E/IDLE)	J <b>A</b>	7 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
A		Α	SURVEYING EQUIPMEN				
Α	FRONT END LOADER	Α	GPS BASE STATION				
Α	GENERATOR						
	PUMP						
Α	ROLLER, STEEL WHEE	L					
	TRACTOR, SKID STEEF	₹					
Α	TRUCK, DUMP						
Α	TRUCK, PICKUP						
Α	TRUCK, WATER						
	TRUCK, FUEL						
Α	TRACKHOE						

	CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
			P-115 to P-157					
#14	Geocomposite Tri-planar	70,750 SQF						
#10	Geosynthetic clay liner							
#15	Uniaxial Geogrid							
#11	60 Mil Secondary Liner							
#12	Bi-planar Geocomposite							
#13	60 Mil primary Liner							



CONTRACT NAME:		CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	N	ITB 040-10	11/5/2010	Friday	NO: 124 OF 215
WEATHER CONDITIONS:	<u>x</u>	CLEAR PARTL	Y CLOUDY HE	AVY CLOUDS	FOG
TEMPERATURE:	_	64 HIGH <u>48</u>	LOW TEMPE	RATURE RESTRICTION SPECIFICATION NO:	
WIND:		NONE X SLIGHT D SPEED: MPI	STRONG H WIND DIRECTION	N: not rec	orded
RAIN:	1S	ID RAINFALL: STA	HEAVY ART: ART: ccurred during non-worki	END:	RAIN IN GUAGE
RAIN DURATION:	х	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	х	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:				LESS THAN 50% C OF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	х	DRY WET	EXTREMELY W	'ET	
	1819	EFFECTS OF WEATI	HER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITE	MS_	NO EFFECT ALL DAY	EFFECTED LESS THA 50% OF WORK DAY		
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NUMBER OF PHOT	OS T	and the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	INFORMATION:		
			O ID NUMBERS		
VISITORS:					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/5/2010	Friday	NO. 124 of 215

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavating and grading the swale along the North side of phase 3. Liner crew continued to deploy the Tri-planar geocomposite material from panel P-115 to P-157 (total 70,750 SQF). The pipe crew came on site and started welding the 24" and 6" pipes. Left site at 3:00 pm to send out sand and Tri-planar geocomposite samples to TRI.					
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS		

Paul Siriboury

11/05/10

FROM 7:00 TO 15:30



				RIPTION OF WO	<u>ORK</u>		
			T NO: 040-10	1	n10	DAY OF WEEK: Saturday	CONTRACT DAY NO. 125 OF 215
						Gaturady	140. 125 OF 215
CONTRACTOR: C	OMANCO EN	VIRONMEN	TAL CONST	RUCTION CORF	PORATION		<u> 1880 - Stanton Britania, martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del martinia del mart</u>
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PERSONNE	Ĺ		OURS ORKED		MATE	RIALS RECEIVED	
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	LABOR	-					
	CHANIC						
GEOTECHNICA							<del></del>
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BULLDOZE		<del> </del>	/EYING EQU				
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PUMP	===: ::::::===:						
	TEEL WHEEL					<del></del>	
	SKID STEER	<del>                                     </del>					
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TRUCK, WA		<del>  </del>				<del>-    -</del>	
TRACKHOE		$\vdash$		<del>-    </del>		<del></del>	
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ITEM NO.		TEM		ANTITY		MARKS AND CALC	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/6/2010	Saturday	NO: 125 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	60 HIGH <u>41</u>	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	NONE X SLIGHT OF SPEED: MP	STRONG WIND DIRECTION:	not reco	orded
1:	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION: X	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR THAN 50% OF WO	
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NUMBER OF PHOTOS	- 11	D INFORMATION:		
	PH01	O ID NUMBERS		
<u> </u>				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/6/2010	Saturday	NO. 125 of 215

GENERAL COMMENTS:	Comanco not on site.	No work planned or per	formed.	1,000	
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II					
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			•		
PROJECT INSPECTOR:	DATE	:	HOURS AT JOB SI	TE T	OTAL HOURS
Paul Siriboury		11/06/10	FROM 1		



CONTRACT NAME: SWM PHASE 3 EXPANSI	ON CO	NTRACT NO: ITB 040-10	DA	TE: 11/7/2010	DAY	OF WEEK: Sunday	CONTRACT DAY NO. 126 OF 215
CONTRACTOR: COMANC SUBCONTRACTORS:	O ENVIRO	CON DNMENTAL CON	TRACTOI ISTRUCT	R INFORMATIO	ATION		
	OPERATIO	ON AND LOCATI	ON				(AM/PM) ENDING
PERSONNEL	NO	HOURS WORKED			   MATERIAL	S RECEIVED	
SUPERVISOR FOREMAN SKILLED							
TRUCK DRIVERS LABOR MECHANIC					-		
GEOTECHNICAL TECH		EQL	JIPMENT	(ACTIVE/IDLE			
BULLDOZER		SURVEYING E	QUIPME	A		A	
GENERATOR PUMP	R	GPS BASE STA	ATION				
ROLLER, STEEL WI TRACTOR, SKID ST							
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER							
TRUCK, FUEL TRACKHOE							
ITEM NO.	ITEM		TITANUC			KS AND CALC	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/7/2010	Sunday	NO: 126 OF 215
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:			ATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT IND SPEED: MF		not re	corded
!	2ND RAINFALL: ST	TART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	THER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
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NUMBER OF PHOTO:		O INFORMATION:		5-21-2-57
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/7/2010	Sunday	NO. 126 of 215

GENERAL COMMENTS:	Comanco not on site. No work	planned or performed.		
				:
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			<del></del>	
PROJECT INSPECTOR:	DATE:	HOUF	RS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/07		M TO	



			<del></del>	<del></del>	
	DESCR	IPTION OF WORK	<u> 1900 (1900)</u> and		
CONTRACT NAME:	CONTRACT NO: DATE:		DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	11/8/2010	Monday	NO. 127 OF 215	
	CONTRAC	TOR INFORMATION			
CONTRACTOR: COMANCO EN	VIRONMENTAL CONSTR	UCTION CORPORATION			
SUBCONTRACTORS: Diamor	nd Trucking				
			,	<del></del>	
	''				
			TIME (A	M/PM)	
OPER	RATION AND LOCATION		BEGINNING	ENDING	
	· ·		7:00 AM	5:00 PM	
-					
		-			

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	
FOREMAN	1	10	
SKILLED	12	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		А	EQUIPMENT (	ACTI A	VE/IDLE)	A	
Α	BULLDOZER		SURVEYING EQUIPMEN			Ī	
Α	FRONT END LOADER		GPS BASE STATION				
Α	GENERATOR						
	PUMP						
Α	ROLLER, STEEL WHEEL						
	TRACTOR, SKID STEER						
Α	TRUCK, DUMP						
Α	TRUCK, PICKUP						
Α	TRUCK, WATER						
	TRUCK, FUEL						
Α	TRACKHOE				<del>,</del>		

	CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS						
#14	Geocomposite Tri-planar	10,000 SQF	inside leachate collection trench						
#10	Geosynthetic clay liner	<del></del>							
#15	Uniaxial Geogrid								
#11	60 Mil Secondary Liner								
#12	Bi-planar Geocomposite	42,135 SQF	P-149 to P-192						
#13	60 Mil primary Liner								



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	_CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/8/2010	Monday	NO: 127 OF 215
WEATHER CONDITIONS:	CLEAR PARTI	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE: _	69 HIGH 35	LOW TEMPER	RATURE RESTRICTION NO	
<u> </u>	NONE X SLIGHT  ND SPEED: MF		not re	corded
1:	ND RAINFALL: ST	ART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT		ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY		
· · · · · · · · · · · · · · · · · · ·	<u> </u>	П		
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NUMBER OF PHOTOS	n andre et et en en en en en en en en en en en en en	O INFORMATION: 		
	РНОТ	O ID NUMBERS		
<u> </u>				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/8/2010	Monday	NO. 127 of 215

Paul Siriboury	11/08/10	FROM 7:00 TO 17:00	9.5
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
			· · · · · · · · · · · · · · · · · · ·
			İ
192 (total of 42,135 SQF).	nate concentration and deploye	d bi-planar geocomposite material	nom paner i - 149 to F-
continued excavation and grading wor material (10,000 SQF) inside the leach	k on the swale along the North sid	e of phase 3. Liner crew deployed	Fri-planar geocomposite
GENERAL COMMENTS: Comanco o	onsite at 7:00 am. Super held safe	y briefing and discussed work plan	for today. Comanco



	DESCR	IPTION OF WORK	Secretary of the second	
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/9/2010	Tuesday	NO. 128 OF 215
		CTOR INFORMATION		
CONTRACTOR: COMANCO EN	VIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd trucking			
			· · · · · · · · · · · · · · · · · · ·	
		,		
			TIME (A	W/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	6:00 PM
				-

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10.5	
FOREMAN	1	10.5	
SKILLED	13	10.5	
TRUCK DRIVERS	2	8	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		EQUIPMENT (ACTIVE/IDLE) A A	Å
Α	BULLDOZER	SURVEYING EQUIPMEN	
Α	FRONT END LOADER	GPS BASE STATION	
Α	GENERATOR		
	PUMP		
Α	ROLLER, STEEL WHEEL		
	TRACTOR, SKID STEER		
Α	TRUCK, DUMP		
Α	TRUCK, PICKUP		
Α	TRUCK, WATER		
	TRUCK, FUEL		
Α	TRACKHOE		

	CONTRACT QUANTITY INCREASES TODAY					
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
#14	Geocomposite Tri-planar					
#10	Geosynthetic clay liner					
#15	Uniaxial Geogrid					
#11	60 Mil Secondary Liner					
#12	Bi-planar Geocomposite					
#13	60 Mil primary Liner	56,632 SQF	P-83 to P-113			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/9/2010	Tuesday	NO: 127 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:		LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
WIND: W	NONE X SLIGHT IND SPEED: MP	STRONG  WIND DIRECTION:	not rec	corded
'	2ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	T.	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM:	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF W	· · · · · · · · · · · · · · · · · · ·
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VISITORS:				
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/9/2010	Tuesday	NO. 127 of 215

		r held safety briefing and discussed wo	
		al of 56,633 SQF) and worked on liner	
		and documented liner deployment, sea	
		amples DP-25 to DP-31. Bi-planar geographic	
		axial geogrid on the slope from panel F	
see geogna and geocomompositi	e piacement logs for details	. Comenco placed protective cover on	East end of place 3.
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PROJECT INSPECTOR	DATE:	HOURS AT JOB SITE	TOTAL HOURS

11/09/10

Paul Siriboury

10.5

FROM 7:00 TO 18:00



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/10/2010	Wednesday	NO. 129 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd trucking			
			, <del></del>	
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	9.5	882 ton of stone
FOREMAN	1	9.5	
SKILLED	13	9.5	
TRUCK DRIVERS	2	9.5	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		EQUIPMENT (ACTIVE/IDLE)  A A A
A	BULLDOZER	SURVEYING EQUIPMEN
Α	FRONT END LOADER	GPS BASE STATION
Α	GENERATOR	
	PUMP	
Α	ROLLER, STEEL WHEEL	
	TRACTOR, SKID STEER	
A	TRUCK, DUMP	
Α	TRUCK, PICKUP	
Α	TRUCK, WATER	
	TRUCK, FUEL	
Α	TRACKHOE	

ITEM NO.	ITEM	QUANTITY	ASES TODAY REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar		
#10	Geosynthetic clay liner		
#15	Uniaxial Geogrid		
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	I ITB 040-10	11/10/2010	Wednesday	NO: 129 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	80 HIGH 49	LOW TEMPER	RATURE RESTRICTION NO	
	□NONE XSLIGHT 'IND SPEED: MP	STRONG  WIND DIRECTION:	not re	corded
	2ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	X EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:		11	ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
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	РНОТ	TO ID NUMBERS		
				<del></del>
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/10/2010	Wednesday	NO. 129 of 215

GENERAL COMMENTS: Coman				
continued to place sand on East e				
and documented liner details and laboratory testing.	testing, see liner logs for	uetalis, iviarkėd liner destructivo	з заттріє DF-32 ани	Self to Thi for
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PROJECT INSPECTOR:	DATE:	HOURS AT JOE	B SITE T	OTAL HOURS

11/10/10

FROM 7:00 TO 17:00

Paul Siriboury

9.5



	DESC	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/11/2010	Thursday	NO. 129 OF 215
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: PSI				
				<del></del> -
	<u>-</u>			
			TIME (A	M/PM)
OPER	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	6:00 PM
	<del>"</del>			

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10.5	
FOREMAN	1	10.5	
SKILLED	14	10.5	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	1.5	

Α	[BULLDOZER		SURVEYING EQUIPMEN	T			l i	
Α	FRONT END LOADER	Α	GPS BASE STATION			 +		
Α	GENERATOR							
	PUMP							
Α	ROLLER, STEEL WHEEL							•
	TRACTOR, SKID STEER				-	T		
Α	TRUCK, DUMP							
Α	TRUCK, PICKUP							
Α	TRUCK, WATER							
	TRUCK, FUEL						· · · · · ·	
Α	TRACKHOE							*****

	CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS						
#14	Geocomposite Tri-planar	52,663 SQF	P-158 TO P-224						
#10	Geosynthetic clay liner								
#15	Uniaxial Geogrid								
#11	60 Mil Secondary Liner								
#12	Bi-planar Geocomposite								
#13	60 Mil primary Liner								



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/11/2010	Thursday	NO: 130 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	80 HIGH 44	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	NONE X SLIGHT ND SPEED: MP		not rec	orded
15		ART:	END:	RAIN IN GUAGE
RAIN DURATION: X	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY		
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Spring Mills of the	PHOTO	DINFORMATION;		
NUMBER OF PHOTOS				
	РНОТ	O ID NUMBERS		<del></del>
		<del></del>		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/11/2010	Thursday	NO. 130 of 215

Paul Siriboury	11/11/10	FROM 7:00 TO 18:0	
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
1			
1			
planar geocomposite material from			-1 -2
the pump station. PSI technician w	vas on site to perform density or	backfill over the casing across the re	oad. Liner crew deployed Tri-
		ing casing and 4" force main piping o	
GENERAL COMMENTS: Comand	co onsite at 7:00 am. Super held	safety briefing and discussed work p	olan for today. Comanço



	DESCF	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/12/2010	Friday	NO. 131 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATIO	N	
SUBCONTRACTORS:				
			·····	
	· · · · · · · · · · · · · · · · · · ·			
			TIME (A	AM/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	4:00 PM
			•	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	8.5	638 ton of stone
FOREMAN	1	8.5	
SKILLED	14	8.5	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		Α	EQUIPMENT (A	ACTIVE/IDLE) A	A	
Α	BULLDOZER	Α	SURVEYING EQUIPMEN			<u> </u>
Α	FRONT END LOADER	Α	GPS BASE STATION			
Α	GENERATOR					
	PUMP			-		
Α	ROLLER, STEEL WHEEL					
	TRACTOR, SKID STEER					
Α	TRUCK, DUMP					
Α	TRUCK, PICKUP					
Α	TRUCK, WATER					
	TRUCK, FUEL					
Α	TRACKHOE					

	CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS						
#14	Geocomposite Tri-planar								
#10	Geosynthetic clay liner								
#15	Uniaxial Geogrid	15,408 SQF	P-24 to P-73						
#11	60 Mil Secondary Liner								
#12	Bi-planar Geocomposite								
#13	60 Mil primary Liner								



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	SWM PHASE 3 EXPANSION   ITB 040-10		Friday	NO: 131 OF 215	
WEATHER CONDITIONS: [	CLEAR X PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG	
TEMPERATURE:	78 HIGH 53	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO		
	NONE X SLIGHT ND SPEED: MF		not red	corded	
ī	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE	
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY		
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD	
DURATION OF DESCRIPTIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY	
SOIL CONDITIONS:	DRY	EXTREMELY WE	ΞT		
	EFFECTS OF WEAT	el Cale en la company de la company de	TEMS		
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY			
				Li	
., ., .,					
NUMBER OF PHOTOS		O INFORMATION:			
		TO ID NUMBERS			
-					
VISITORS:				<del></del>	
-		-		,, ,, ,,	



CONTRACT NAME:		CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
	SWM PHASE 3 EXPANSION	ITB 040-10	11/12/2010	Friday	NO. 131 of 215	

GENERAL COMMENTS: Comanco on worked on spreading of the sand mater	ial on the West end of the floor a	nd installed 22 1/2 degree elbow for	the 8" HDPE leachate
collection pipe at the toe of the East slo	ppe. Liner crew deployed Uniaxial	geogrid from panel P-24 to P-73 (to	ital 15,408 SQF).
PROJECT INSPECTOR:	DATE: 11/12/10	HOURS AT JOB SITE FROM 7:00 TO 16:00	TOTAL HOURS
Paul Siriboury	11/12/10	1 1 ON 10 10 10:00	8.5



	1001		SCRIPTION OF	WONK		<del></del>
CONTRACT NAME: SWM PHASE 3 EXPANSIO		ITRACT NO:		13/2010	DAY OF WEEK: Saturday	NO. 132 OF 215
					Status Land	1.2 SEA 471.4
CONTRACTOR: COMANCO						egija in tiva traatigati en
UBCONTRACTORS:						
						<del></del>
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		<del></del>	<del></del>			
·						
		<del></del>			TIME	(AM/PM)
	PERATIC	N AND LOCAT	ION	2177717451461.45%	BEGINNING	ENDING
333. Tali 34.57 - A. J. 1985 - 1985 - 1985			O. C. Walnut	en e ingeredeligheidige	E STEEL SHANNING	THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY O
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PERSONNEL	NO	WORKED		MA	TERIALS RECEIVED	
SUPERVISOR		, <del></del>	Contract data to de alex	: 40: 40 m : 40 20 20 20 20 20 20 20 20 20 20 20 20 20	is a la capeta fibrillen de relacione del Uni librar proble <u>go</u>	(1966년 - ) 196 <u>일에 가</u> 면서 가시하다가 하여 있는 및 <u>당한 부인</u>
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SKILLED						
TRUCK DRIVERS						
LABOR		<del> </del>				<del></del>
MECHANIC						
GEOTECHNICAL TECH						
GEOTECHNICAL TECH		<u> </u>	l			
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BULLDOZER	$\leftarrow$	SURVEYING E				
FRONT END LOADER	<del>1</del>	GPS BASE ST	ATION			
GENERATOR	$-\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$					
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TRACTOR, SKID STE	ER					
TRUCK, DUMP						
TRUCK, PICKUP						
TRUCK, WATER	—					
TRUCK, WATER TRUCK, FUEL						
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TRUCK, WATER TRUCK, FUEL						
TRUCK, WATER TRUCK, FUEL	o Solova, allelo, co Solova, allelo, co Solova, co seguino, co	CONTRACT	QUANTITY	REASES TO	DAY	
TRUCK, WATER TRUCK, FUEL	ITEM	CONTRACT	QUANTITY INC	REASES TO	DAY REMARKS AND CALC	ULATIONS
TRUCK, WATER TRUCK, FUEL TRACKHOE		CONTRACT	QUANTITY INC	REASES TO	DAY REMARKS AND CALC	ULATIONS
TRUCK, WATER TRUCK, FUEL TRACKHOE		CONTRACT	QUANTITY INC	REASES TO	DAY REMARKS AND CALC	ULATIONS
TRUCK, WATER TRUCK, FUEL TRACKHOE		CONTRACT	QUANTITY INC	REASES TO	DAY REMARKS AND CALC	ULATIONS
TRUCK, WATER TRUCK, FUEL TRACKHOE		CONTRACT	QUANTITY INC QUANTITY	REASES TO	DAY REMARKS AND CALC	ULATIONS
TRUCK, WATER TRUCK, FUEL TRACKHOE		CONTRACT	QUANTITY INC QUANTITY	REASES TO	DAY REMARKS AND CALC	ULATIONS
TRUCK, WATER TRUCK, FUEL TRACKHOE		CONTRACT	QUANTITY INC QUANTITY	REASES TO	DAY REMARKS AND CALC	ULATIONS
TRUCK, WATER TRUCK, FUEL TRACKHOE		CONTRACT	QUANTITY INC	REASES TO	DAY REMARKS AND CALC	ULATIONS
TRUCK, WATER TRUCK, FUEL TRACKHOE		CONTRACT	QUANTITY INC	REASES TO	DAY REMARKS AND CALC	ULATIONS
TRUCK, WATER TRUCK, FUEL TRACKHOE		CONTRACT	QUANTITY	REASES TO	DAY REMARKS AND CALC	ULATIONS
TRUCK, WATER TRUCK, FUEL TRACKHOE		CONTRACT	QUANTITY	REASES TO	DAY REMARKS AND CALC	ULATIONS



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/13/2010	Saturday	NO: 132 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	78 HIGH <u>44</u>	LOW TEMPER	RATURE RESTRICTION NO SPECIFICATION NO	
<b>WIND:</b> [ WI	NONE X SLIGHT ND SPEED: MP	STRONG PH WIND DIRECTION:	not rec	corded
	ND RAINFALL: ST	ΓART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENTGOOD	x FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ET .	
	EFFECTS OF WEAT	THER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
	_ 🗆			
NUMBER OF PHOTOS	ACH HOMORESA, CITADEACH, MOMTONYOUT COURT TO A	O INFORMATION:		
	PHO	TO ID NUMBERS		
			——   <del> </del>	
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				<del>_</del>
VISITORS:	<u></u>		<del> </del>	



CONTRACT NAME:		CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
	SWM PHASE 3 EXPANSION	ITB 040-10	11/13/2010	Saturday	NO. 132 of 215

Paul Siriboury	LOTON:	DATE	:: 11/13/10		TO	TOTAL HOURS
PROJECT INSP	ECTOR:	DATE	:	HOURS AT JOB	SITE	TOTAL HOURS
GENELINE OON	IIVIEN I S.	Comanco not on site.	ivo work planned or	performed.		



		DE				
CONTRACT NAME: SWM PHASE 3 EXPANSION	1			11/14/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO. 133 OF 215
				INFORMATION		
CONTRACTOR: COMANCO	ENVIRO	NMENTAL CON	STRUCTI	ON CORPORATION	ON	
SUBCONTRACTORS:						
		<u> </u>				
.***						
11.81						
					SO SO RESTIME	(AM/PM)
OP	ERATIO	N AND LOCATI	ION		BEGINNING	ENDING
				•		
PERSONNEL	NO	HOURS		M	ATERIALS RECEIVED	
	J. SKSWEA	WORKED	植物医疗			
SUPERVISOR						<del></del>
FOREMAN						
SKILLED						<del></del>
TRUCK DRIVERS						<del></del>
LABOR						
MECHANIC GEOTECHNICAL TECH						
GEOTECHNICAL TECH						
	and with the	FOL	HDMENT /	ACTIVE/IDLE)		n Shurar wê ditt. Rasiki Yara Ni
Α	Δ		JIF WEINT		A	
BULLDOZER		SURVEYING E				
FRONT END LOADER		GPS BASE STA			<del></del>	<del></del>
GENERATOR	<del></del>	<u></u>				
PUMP						
ROLLER, STEEL WHE	EL					
TRACTOR, SKID STEE		-				
TRUCK, DUMP						
TRUCK, PICKUP						
TRUCK, WATER						
TRUCK, FUEL						
TRACKHOE		-				
		CONTRACT	QUANTIT	Y INCREASES TO	DAY	
ITEM NO.	ITEM		QUANTITY	<i>'</i>	REMARKS AND CALC	ULATIONS
		·				
				1		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	
SWM PHASE 3 EXPANSION	N   ITB 040-10	11/14/2010	Sunday	NO: 133 OF 215
WEATHER CONDITIONS:	∑CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	78HIGH44		RATURE RESTRICTION NO	
WIND:	☐NONE XSLIGHT /IND SPEED: MP		not re	corded
	NONE X LIGHT  1ST RAINFALL: ST  2ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	XDRY WET	EXTREMELY WE	ΞΤ	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
NUMBER OF PHOTO		O INFORMATION:		
		O ID NUMBERS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/14/2010	Sunday	NO. 133 of 215

PROJECT INSPECTOR:	DATE	11/14/10	HOURS AT JOB SITE	TOTAL HOURS
DDO IECT INCREOTOR			LIQUIDO AT JOR OUT	TOTAL LIQUIDO
				!
GENERAL COMMENTS:	Comanco not on site.	No work planned or perf	formed.	



	DESCF	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/15/2010	Monday	NO. 134 OF 215
	CONTRAC	CTOR INFORMATION	sa and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of	
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd trucking			
				·
			TIME (A	M/PM)
OPER	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	5:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	1,025 ton of stone
FOREMAN	1	10	
SKILLED	13	10	
TRUCK DRIVERS	2	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

	Α		A	EQUIPMENT (	ACT A	IVE/IDLE) A
П	Α	BULLDOZER		SURVEYING EQUIPMEN		
	A	FRONT END LOADER		GPS BASE STATION		
Г	Α	GENERATOR				
		PUMP				
	Α	ROLLER, STEEL WHEEL				
		TRACTOR, SKID STEER				
	Α	TRUCK, DUMP				
Г	A	TRUCK, PICKUP		·		
	Α	TRUCK, WATER				
		TRUCK, FUEL				
	Α	TRACKHOE				

	CONTRACT QUANTITY INCREASES TODAY					
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
#14	Geocomposite Tri-planar					
#10	Geosynthetic clay liner					
#15	Uniaxial Geogrid	41,184	P-74 to P-100			
#11	60 Mil Secondary Liner					
#12	Bi-planar Geocomposite					
#13	60 Mil primary Liner					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/15/2010	Monday	NO: 134 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE: _	80 HIGH <u>44</u>	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
<b>-</b>	NONE X SLIGHT ND SPEED: MP	STRONG H WIND DIRECTION:	not rec	orded
1:	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	]0-2 HRS	ccurred during non-working 4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	π	
	EFFECTS OF WEAT	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR THAN 50% OF WC	
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NUMBER OF PHOTOS	rikaran bermaran bermanan dalam tertakan Adalah berma	DINFORMATION:	S AMMAN COLOR	
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<u> </u>				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/15/2010	Monday	NO. 134 of 215

GENERAL COMMENTS: Comanco or			
continued to place sand on the floor of			
41,148 SQF). Observed and document	ted Uniaxial geogrid deployment;	see geogrid placement logs for deta	ils.
1			
1			
1			
1			
1			
	,		
1			
			·
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/15/10	FROM 7:00 TO 17:30	101AL HOURS
- dai Oliloodiy	11/13/10	17.30 17.30	10



	DESCF	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/16/2010	Tuesday	NO. 135 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATIO		
SUBCONTRACTORS: Diamor	nd trucking			
	, , <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			
			TIME (	AM/PM)
등록한 시간 기간 HA FAIR OPER	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	5:30 PM
			·	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	1,170 ton of stone
FOREMAN	1	10	
SKILLED	13	10	
TRUCK DRIVERS	2	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

0.67 (0.56%)		Α	EQUIPMENT	(ACT	VE/IDLE)	A	
Α	BULLDOZER		SURVEYING EQUIPMEN			1	
Α	FRONT END LOADER		GPS BASE STATION				
Α	GENERATOR						
	PUMP						
A	ROLLER, STEEL WHEEL						
	TRACTOR, SKID STEER						
Α	TRUCK, DUMP						
Α	TRUCK, PICKUP						
Α	TRUCK, WATER						
	TRUCK, FUEL					1	
Α	TRACKHOE		***				

1987 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
#14	Geocomposite Tri-planar						
#10	Geosynthetic clay liner						
		00.070.005	P-101 to P-142				
#15	Uniaxial Geogrid	69,672 SQF	<del> </del>				
#11	60 Mil Secondary Liner	<del></del>					
#12	Bi-planar Geocomposite						
#13	60 Mil primary Liner						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY			
SWM PHASE 3 EXPANSION	ITB 040-10	11/16/2010	Tuesday	NO: 134 OF 215			
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG			
TEMPERATURE: _	82 HIGH 55	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO				
WIND: [ WI	NONE XSLIGHT OF SPEED: MP	STRONG  WIND DIRECTION:	not rec	orded			
1:	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE			
RAIN DURATION:	0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	ALL DAY				
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD			
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY			
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	T.				
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS				
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR				
	Ш	Ш					
NUMBER OF PHOTOS	A DOZNA WARANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA MARKATANIA	O INFORMATION:					
PHOTO ID NUMBERS							
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VISITORS:	<u>, , , , , , , , , , , , , , , , , , , </u>						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/16/2010	Tuesday	NO. 135 of 215

GENERAL COMMENTS: Comanco on continued placing sand on the floor of p	phase 3. Liner crew continued de	ploying Uniaxial geogrid material fro	m panel P-101 to P-142
(total of 69,672 SQF). Observed and do	ocumented Uniaxial geogrid depl	oyment; see geogrid placement logs	s for details.
DDO IECT INCDECTOR	DATE	LIQUIDO AT 100 OTT	TOTAL LIGHTS
PROJECT INSPECTOR: Paul Siriboury	DATE: 11/16/10	HOURS AT JOB SITE FROM 7:00 TO 17:30	TOTAL HOURS 10



	DESCF	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/17/2010	Wednesday	NO. 136 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	VIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd trucking			
	, , _,			
•			TIME (A	M/PM)
OPE	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	5:30 PM
<del></del>		**	<u> </u>	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	726 ton of stone
FOREMAN	1	10	
SKILLED	13	10	
TRUCK DRIVERS	2	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		Α	EQUIPMENT (	ACTI A	VE/IDLE)	A	
Α	BULLDOZER		SURVEYING EQUIPMEN				· · · · · · · · · · · · · · · · · · ·
Α	FRONT END LOADER		GPS BASE STATION	Α			
Α	GENERATOR						
	PUMP						
Α	ROLLER, STEEL WHEEL						
	TRACTOR, SKID STEER						
Α	TRUCK, DUMP						
Α	TRUCK, PICKUP		- <del></del> -				
Α	TRUCK, WATER						
	TRUCK, FUEL		-		' ' '	-	
Α	TRACKHOE						

	CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
#14	Geocomposite Tri-planar						
#10	Geosynthetic clay liner						
#15	Uniaxial Geogrid	9,972 SQF	P-143 to P-147				
#11	60 Mil Secondary Liner						
#12	Bi-planar Geocomposite						
#13	60 Mil primary Liner						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/17/2010	Wednesday	NO: 136 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	78 HIGH 55	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT ND SPEED: MP		not rec	corded
1	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF 2 ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: 2	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS		1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO	
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NUMBER OF PHOTOS	<ul> <li></li></ul>	DINFORMATION:		
		O ID NUMBERS		
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	<del></del>	<del></del>		
		<u> </u>		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/17/2010	Wednesday	NO. 136 of 215

GENERAL COMMENTS: Comanco on	site at 7:00 am. Super held safe	ty briefing and discussed work plan	for today. Comanco
continued placing sand on the floor of p	phase 3. Liner crew continued to	deploy Uniaxial geogrid from panel I	P-143 to P-147 (total of
9,972 SQF) as well as rain trap (total of		ase 3. Observed and documented U	Iniaxial geogrid and rain
trap deployment; see geogrid placemer	nt logs for details.		
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	<del></del>		
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/17/10	FROM 7:00 TO 17:30	10



	DESCR	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/18/2010	Thursday	NO. 137 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd trucking			
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	5:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	
FOREMAN	1	10	
SKILLED	13	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

7.5-a.		Α	EQUIPMENT (	ACTI	VE/IDLE)	Δ	
Α	BULLDOZER	Γ	SURVEYING EQUIPMEN	Α			The stry at the test of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the st
Α	FRONT END LOADER		GPS BASE STATION	Α			
Α	GENERATOR						
	PUMP						1
Α	ROLLER, STEEL WHEEL						
	TRACTOR, SKID STEER						
Α	TRUCK, DUMP						
Α	TRUCK, PICKUP	1					<del> </del>
Α	TRUCK, WATER						
	TRUCK, FUEL						
Α	TRACKHOE						

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
#14	Geocomposite Tri-planar					
#10	Geosynthetic clay liner					
#15	Uniaxial Geogrid					
#11	60 Mil Secondary Liner					
#12	Bi-planar Geocomposite					
#13	60 Mil primary Liner					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/18/2010	Thursday	NO: 137 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:		LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
WIND: [ WI	NONE X SLIGHT ND SPEED: MP	STRONG PH WIND DIRECTION:	not rec	orded
1	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	īΤ	
	EFFECTS OF WEAT		TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY		
NUMBER OF PHOTOS	and malabase and the control of the state of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	O INFORMATION:		
	РНОТ	O ID NUMBERS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/18/2010	Thursday	NO. 137 of 215

Paul Siriboury	11/18/10	FROM 7:00 TO 17:30	10
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
	•		
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			:
		•	
slope (total of 34,800 SQF). Survey	crew on site to perform as-built si	urvey of the cell.	ployed failt trap off East
installed 8" leachate collection pine	all the way to sump area and plac	rfety briefing and discussed work plan red stone over the pipe. Liner crew de	for today. Comanco



	DESCR	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/19/2010	Friday	NO. 138 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	VIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd trucking			
			•	
			TIME ()	AM/PM)
OPEF	RATION AND LOCATION	A AND THE ALL OF PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH	BEGINNING	ENDING
			7:00 AM	4:30 PM
				·

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	723 ton of stone
FOREMAN	1	10	
SKILLED	13	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

	BULLDOZER	A SURVEYING EQUIPMEN			<b>A</b>	Yen District
	ļ				<del>                                     </del>	
	FRONT END LOADER	GPS BASE STATION	Α			
Α	GENERATOR		<u> </u>			
	PUMP					
Α	ROLLER, STEEL WHEEL			•		
	TRACTOR, SKID STEER					
Α	TRUCK, DUMP					
Α	TRUCK, PICKUP					
Α	TRUCK, WATER					
	TRUCK, FUEL					
Α	TRACKHOE					

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
#14	Geocomposite Tri-planar					
#10	Geosynthetic clay liner					
-			P-148 to P-177			
#15	Uniaxial Geogrid	61,800 SQF				
#11	60 Mil Secondary Liner					
#12	Bi-planar Geocomposite	,				
#13	60 Mil primary Liner					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/19/2010	Friday	NO: 138 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTL	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	78 HIGH <u>55</u>	LOW TEMPER	RATURE RESTRICTION NO	
	NONE X SLIGHT ND SPEED: MP		not re	ecorded
1	ND RAINFALL: ST	ART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF EACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT		TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS		1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MC	
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NUMBER OF BLOTOS	grante e estas forta da el coma como como estas estas de como como mento estas el como como en estas el como c	O INFORMATION:	.4.79.90	
NUMBER OF PHOTOS				
		TO ID NUMBERS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/19/2010	Friday	NO. 138 of 215

GENERAL COMMENTS: Coma	nco onsite at 7:00 am. Sup	per held safety briefing and discussed	work plan for today. Comanco
placed stone over the 8" leachate	e collection pipe and place	ed sand on the floor area. Liner crew de	eployed Uniaxial geogrid from panel
17-140 to F-177 (total of 61,000 S	qr). Observed and docume	ented geogrid deployment; see geogrid	placement logs for details.
			İ
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS

FROM 7:00 TO 16:30

11/19/10

Paul Siriboury



CONTRACT NAME: SWM PHASE 3 EXPANSION CONTRACTOR: COMANC SUBCONTRACTORS:			DATE	ORK	541/ 6511/551/	1
CONTRACTOR: COMANC	ОИ	NTRACT NO:			DAY OF WEEK: Saturday	CONTRACT DAY NO. 139 OF 215
CONTRACTOR: COMANC						
SUBCONTRACTORS:	O ENVIRO	ONMENTAL CONS	TRUCTION COR	PORATION		<u>and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second </u>
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PERSONNEL	NO	HOURS	<b>计划数据数据</b>	MATE	RIALS RECEIVED	
		WORKED			ALO IILOLIVLO	
SUPERVISOR		ļ				
FOREMAN		+				
SKILLED TRUCK DRIVERS		<del>                                     </del>				
LABOR		<del> </del>		<del></del>		
MECHANIC		<del>                                     </del>	<del></del>		<del> </del>	
GEOTECHNICAL TECH						
		EQUI	PMENT (ACTIVE	(IDLE)		
A	Α_		A		Α	
BULLDOZER		SURVEYING EQ				
FRONT END LOADE	:R	GPS BASE STAT	ION			
GENERATOR						
PUMP	1551					
ROLLER, STEEL WI						
TRUCK, DUMP	EER				<del></del>	
TRUCK, PICKUP	<del></del>	<del> </del>	<del></del>			
TRUCK, WATER					<del>   </del>	
TRUCK, FUEL	-		<del>-   -   -  </del>			
TRACKHOE						
<del> </del>		<del></del>				
	- 5.0000	CONTRACT C	UANTITY INCRE	ASES TODA	<b>Y</b>	
	ITEM	QI	JANTITY	RE	MARKS AND CAL	CULATIONS
ITEM NO.						
ITEM NO.					<u>-</u>	
ITEM NO.						
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ITEM NO.						<del></del> -
ITEM NO.	<del></del> -					
ITEM NO.						
ITEM NO.						
ITEM NO.						
ITEM NO.						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/20/2010	Saturday	NO: 139 OF 215
WEATHER CONDITIONS:	X CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	78 HIGH 55	LOW TEMPER	ATURE RESTRICTION NO	
	NONE X SLIGHT ND SPEED: MP		not re	corded
		ART:	SHOWERS END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
N				
NUMBER OF PHOTOS	N. N NETINALET I. C. FOR PRINCIPLE STREET, PROPERTY PROPERTY (1997)	O INFORMATION:		
		TO ID NUMBERS		
			——	
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/20/2010	Saturday	NO. 139 of 215

GENERAL COMMENTS:	Comanco not on site.	No work planned or per	formed.	
			•	
PROJECT INSPECTOR:	DATE	:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	DATE	 11/20/10	FROM TO	FOTALTIOUNS



		<b>D</b>	ESCRIPTIO	N OF WORK		
CONTRACT NAME:		NTRACT NO:	DATI		DAY OF WEEK:	
SWM PHASE 3 EXPANSION		ITB 040-10		11/21/2010	Sunday	
				INFORMATION		
CONTRACTOR: COMANCO	ENVIR	ONMENTAL CO	NSTRUCTION	ON CORPORATION	ON	
SUBCONTRACTORS:						
	-				BALLE TIME	= (AM/PM)
OF	ERATIO	ON AND LOCAT	ION	.a.,78856-138-131-134		ENDING
2						7. 7 V <del>-                                 </del>
		<del> </del>				
			, _			
PERSONNEL	NO	HOURS		M	ATERIALS RECEIVED	
엄청 경찰로 그 물을 연고하는데 의학	<u> </u>	WORKED				
SUPERVISOR		<del>- </del>	<u> </u>			
FOREMAN			<u> </u>			
SKILLED TRUCK DRIVERS		<del> </del>	<u> </u>			
LABOR		<u> </u>				
MECHANIC		<del>                                     </del>	<u> </u>			
GEOTECHNICAL TECH	-	1	•			
		<u> </u>	<u> </u>			
		EQ	UIPMENT (	ACTIVE/IDLE)		
A	A			Α	Α	
BULLDOZER		SURVEYING E				
FRONT END LOADER		GPS BASE ST	ATION			
GENERATOR	$-\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$					
PUMP						
ROLLER, STEEL WHE TRACTOR, SKID STE				-		
TRUCK, DUMP	===					
TRUCK, PICKUP	_			<del> -</del>		
TRUCK, WATER	+					
TRUCK, FUEL	$\rightarrow$	1				
TRACKHOE						
		•				
ITEM NO.	ITEM		QUANTITY	<u>'</u>	REMARKS AND CALC	CULATIONS
					•	<del></del>
				L		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/21/2010	Sunday	NO: 140 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	78 HIGH 44	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
WIND: WIND: WIND	NONE X SLIGHT OF SPEED: MP	——————————————————————————————————————	not rec	orded
15		ART:	END:	RAIN IN GUAGE
RAIN DURATION: X	0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF XACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
	_ 🗆			
NUMBER OF PHOTOS	AND AND AND AND AND AND AND AND AND AND	O INFORMATION:		
	РНОТ	O ID NUMBERS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/21/2010	Sunday	NO. 140 of 215

GENERAL COMMENTS:	Comanco not on site.	No work planned or per	formed.	
-				
				}
			· · · · · · · · · · · · · · · · · · ·	
DDO JEOT INCORPORT			HOURO AT 107 CITE	TOTAL 1:2::22
PROJECT INSPECTOR:	DATE		HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury		11/21/10	FROMTO	



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/22/2010	Monday	NO. 141 OF 215
爱语·微图 "莫"。 (1) (1) (1)	CONTRAC	TOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd trucking			
			TIME (A	M/PM)
OPER	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	5:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	606 ton of stone
FOREMAN	1	10	
SKILLED	13	10	
TRUCK DRIVERS			
LABOR			
MECHANIC	:		
GEOTECHNICAL TECH			

A		Å	EQUIPMENT (	ACTI A	VE/IDLE) A
Α	BULLDOZER		SURVEYING EQUIPMEN	Α	
Α	FRONT END LOADER		GPS BASE STATION	Α	
Α	GENERATOR			-	
	PUMP				
Α	ROLLER, STEEL WHEEL				
	TRACTOR, SKID STEER				
Α	TRUCK, DUMP				
Α	TRUCK, PICKUP				
Α	TRUCK, WATER				
	TRUCK, FUEL		<u> </u>		
Α	TRACKHOE				

	CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
#14	Geocomposite Tri-planar							
#10	Geosynthetic clay liner							
#15	Uniaxial Geogrid							
#11	60 Mil Secondary Liner							
#12	Bi-planar Geocomposite							
#13	60 Mil primary Liner							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/22/2010	Monday	NO: 141 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	80 HIGH 55	- <b>-</b>	RATURE RESTRICTION NO	
	NONE X SLIGHT ND SPEED: MP		not re	ecorded
ī		ART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF EACCEPTABLE CONDITIONS:			ESS THAN 50% [ DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY x WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	HER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
	$\sqcup$	Ш	Ш	
	_ 🗆			
	_ 🗆			
	_ 🗆			
NUMBER OF PHOTOS		O INFORMATION:		
		TO ID NUMBERS		
L				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/22/2010	Monday	NO. 141 of 215

continued to place sand on the floo	or area. Liner crew deployed rain t	rap on the North slope.	ioi louay. Comanco
:			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/22/10	FROM 7:00 TO 17:30	10



	DESC	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/23/2010	Tuesday	NO. 142 OF 215
	CONTRA	ACTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONST	RUCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd trucking			
		•	TIME (A	M/PM)
OPE	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	6:00 PM
	HOURS			e a Guly-Republik Republic to 400

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10.5	
FOREMAN	1	10.5	
SKILLED	13	10.5	
TRUCK DRIVERS	3	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Δ		Δ	EQUIPMENT (	ACTI A	VE/IDLE)	15. A	
_	BULLDOZER		SURVEYING EQUIPMEN		th the action has been attended that the problem is a continuously problem.		
Α	FRONT END LOADER		GPS BASE STATION	Α			
Α	GENERATOR						
	PUMP						
Α	ROLLER, STEEL WHEEL						
	TRACTOR, SKID STEER						
Α	TRUCK, DUMP						
A	TRUCK, PICKUP						
Α	TRUCK, WATER						
	TRUCK, FUEL						
Α	TRACKHOE						

ITEM NO.	CONTE	RACT QUANTITY INCRE QUANTITY	ASES TODAY REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar		
#10	Geosynthetic clay liner		
#15	Uniaxial Geogrid		
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/23/2010	Tuesday	NO: 142 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	80 HIGH 55	LOW TEMPER	NATURE RESTRICTION SPECIFICATION NO:	
	NONE X SLIGHT D SPEED: MP	STRONG H WIND DIRECTION:	not rec	orded
15	ID RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION: X	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: X	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY X WET	EXTREMELY WE	T	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF	
	Ц			
	. 🗆			
NUMBER OF PHOTOS	rating a play of the light reputation and a superiori	DINFORMATION:		
		O ID NUMBERS		
			——— <del> </del>	
VISITORS:		· · · · · · · · · · · · · · · · · · ·		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/23/2010	Tuesday	NO. 142 of 215

Paul Siriboury	11/23/10	FROM 7:00 TO 18:00	
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
			•
			•
sump area wrapped with geotextil	e material.		, , , , , , , , , , , , , , , , , , ,
continued to hauling sand and pla	cing it on the floor area. They al	so placed stone over the perforated secti	on of the 24" pipe in the
ontinued to hauling sand and pla	cing it on the floor area. They al	so placed stone over the perforated secti	ion of the 24" pipe in the



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/24/2010	Wednesday	NO. 143 OF 215
	CONTRAC	TOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS: Diamor	nd trucking			
	<del> </del>			
				M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
			7:00 AM	3:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	8	216 ton of stone
FOREMAN	1	8	
SKILLED	13	8	
TRUCK DRIVERS	3	8	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

	Α		A	EQUIPMENT(	ACTI A	VE/IDLE)	A	
П		BULLDOZER		SURVEYING EQUIPMEN	Α			
ſ	Α	FRONT END LOADER		GPS BASE STATION	Α			
ĺ	Α	GENERATOR						
[		PUMP						
[	Α	ROLLER, STEEL WHEEL						
[		TRACTOR, SKID STEER						
[	Α	TRUCK, DUMP						
	Α	TRUCK, PICKUP						
	Α	TRUCK, WATER						
- [		TRUCK, FUEL						
	Α	TRACKHOE						

	CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
#14	Geocomposite Tri-planar							
#10	Geosynthetic clay liner							
#15	Uniaxial Geogrid							
#11	60 Mil Secondary Liner							
#12	Bi-planar Geocomposite							
#13	60 Mil primary Liner							



SWM PHASE 3 EXPANSION	ITB 040-10	11/24/2010	Wednesday	NO: 143 OF 215
OWN THACE O EXTANOION	110 040-10	11/24/2010	Wednesday	110. 140 01 210
WEATHER CONDITIONS:			AVY CLOUDS	FOG
TEMPERATURE:	80 HIGH 55	- Ш	RATURE RESTRICTION SPECIFICATION NO	
	NONE XSLIGHT IND SPEED: MP	STRONG "H WIND DIRECTION:	not rec	corded
<del>.</del>	2ND RAINFALL: ST	ART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	occurred during non-workin 4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	□BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY X WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	HER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
-				
· · · · · · · · · · · · · · · · · · ·				
NUMBER OF PHOTOS		O INFORMATION:		
	PHOT	TO ID NUMBERS		
			——	
VISITORS:				



	CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
İ	SWM PHASE 3 EXPANSION	ITB 040-10	11/24/2010	Wednesday	NO. 143 of 215

placed sand around the 24" solid pipe	section on the side slope and pla	aced rain trap on the north slope. The	liner crew also woked	
	oserved and documented the line	er work; see liner repair and nondesti	ructive test logs for	
details.				
			iefing and discussed work plan for today. Comanco rain trap on the north slope. The liner crew also woked rk; see liner repair and nondestructive test logs for	
i				
]				
}				
1				
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS	
Paul Siriboury	11/24/10	FROM 7:00 TO 15:30	8	



	ICON	DI	DATE:	71,1701110	DAY OF WEEK:	CONTRACT DAY
CONTRACT NAME: SWM PHASE 3 EXPANSIO				1/25/2010	Thursday	
	1, 1, 1, 1	CON	TRACTOR INF			
CONTRACTOR: COMANCO	ENVIRO	NMENTAL CO	VSTRUCTION	CORPORATION	ON	
UBCONTRACTORS:						
· ·						,,,,,,
***************************************					TIME	(AM/PM)
<u> </u>	PERATIC	ON AND LOCAT	ION		BEGINNING	ENDING
		Francisco de la companya de la companya de la companya de la companya de la companya de la companya de la comp				
PERSONNEL	NO	HOURS		M.	ATERIALS RECEIVED	
		WORKED	HOUSE RESERVE			
SUPERVISOR						
FOREMAN						
SKILLED TRUCK DRIVERS						
LABOR						<del></del>
MECHANIC						
GEOTECHNICAL TECH					· · ·	
acoreormione reorr		L	·		<del></del>	
	. 41 90 50 3	a sa FO	UIPMENT (ACT	(IVE/IDLE)		an delente
A	Α		A		A	
BULLDOZER		SURVEYING E		Ī	1 10 10 10 10 10 10 10 10 10 10 10 10 10	
FRONT END LOADE		GPS BASE ST		ļ		*****
GENERATOR			i			
PUMP						<u></u>
ROLLER, STEEL WH						
TRACTOR, SKID ST	ER					
TRUCK, DUMP			•			
TRUCK, PICKUP						
TRUCK, WATER						
TRUCK, FUEL			I	1		
TRUCK, FUEL TRACKHOE				<u> </u>		
TRACKHOE		CONTRACT	CHANTITY IN	OPEACEC TO		
TRACKHOE	2779	A tree of the Land of the	galingan in divinance against	CREASES TO	DDAY AND CALC	HI ATIONS
TRACKHOE	ITEM	A tree of the Land of the	QUANTITY IN QUANTITY	CREASES TO	DDAY REMARKS AND CALC	edu Partirága, a radunto mentado para tolada de artira e
TRACKHOE	2779	A tree of the Land of the	galingan in divinance against	CREASES TO	i i mangang makang kalang ang at mangang kalang kanggang ka	edu Partirága, a radunto mentado para tolada de artira e
TRACKHOE	2779	A tree of the Land of the	galingan in divinance against	CREASES TO	i i mangang makang kalang ang at mangang kalang kanggang ka	edu Perinakan arasarah merupakan 1900 di Kabupatèn Kar
TRACKHOE	2779	A tree of the Land of the	galingan in divinance against	CREASES TO	i i mangang makang kalang ang at mangang kalang kanggang ka	edu Perinakan arasarah merupakan 1900 di Kabupatèn Kar
TRACKHOE	2779	A tree of the Land of the	galingan in divinance against	CREASES TO	i i mangang makang kalang ang at mangang kalang kanggang ka	edurate responsablemente en la la la la companya de la companya de la companya de la companya de la companya d
TRACKHOE	2779	A tree of the Land of the	galingan in divinance against	CREASES TO	i i mangang makang kalang ang at mangang kalang kanggang ka	edu Perinakan arasarah merupakan 1900 di Kabupatèn Kar
TRACKHOE	2779	A tree of the Land of the	galingan is single and resident state of	CREASES TO	i i mangang makang kalang ang at mangang kalang kanggang ka	edu Perinakan arasarah merupakan 1900 di Kabupatèn Kar
TRACKHOE	2779	A tree of the Land of the	galingan is single and resident state of	CREASES	i i mangang makang kalang ang at mangang kalang kanggang ka	edurate responsablemente en la la la la companya de la companya de la companya de la companya de la companya d
TRACKHOE	2779	A tree of the Land of the	galingan is single and resident state of	CREASES	i i mangang makang kalang ang at mangang kalang kanggang ka	edu Perinakan arasarah merupakan 1900 di Kabupatèn Kar
TRACKHOE	2779	A tree of the Land of the	galingan is single and resident state of	CREASES	i i mangang makang kalang ang at mangang kalang kanggang ka	edu Partirága, a radunto mentado para tolada de artira e



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/25/2010	Thursday	NO: 144 OF 215
WEATHER CONDITIONS:	CLEAR PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
			RATURE RESTRICTION SPECIFICATION NO:	
	NONE X SLIGHT ND SPEED: MF	STRONG PH WIND DIRECTION:	not rec	orded
i	ND RAINFALL: ST	TART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	X DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	THER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF	
		Li		
VIII. 19 - 2 - 1				
NUMBER OF PHOTOS	enter tite till i her er millioner er fra en er filt filt i det filt i fra en er er filt i fra filt filt filt f	O INFORMATION:		
	PHO	TO ID NUMBERS		
			<del></del>	
			<del></del>	
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/25/2010	Thursday	NO. 144 of 215

GENERAL COMMENTS:	Comanco not on site. No work p	planned or performed.	
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			j
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PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/25/1	IO EPOM TO	



CONTRACTOR INFORMATION  SUBCONTRACTORS:  OPERATION AND LOCATION  DEGINNING  PERSONNEL  NO  HOURS WORKED  SUPERVISOR  FOREMANN  SKILLED  TRUCK DRIVERS  LABOR  MECHANIC  GEOTECHNICAL TECH  BULLDOZER  FRONT END LOADER  GRENEATOR  PUMP  ROLLER, STEEL WHEEL  TRUCK, DRIVER  TRUCK, DRIVER  TRUCK, DRIVER  TRUCK, DRIVER  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRUCK, PUEL  TRU	CONTRACT NAME: SWM PHASE 3 EXPANSIO	CON	NTRACT NO: ITB 040-10	DATE:	: 11/26/2010	DAY OF V	WEEK: riday	CONTRACT DAY NO. 145 OF 215
SUBCONTRACTORS:  TIME (AM/PM)  OPERATION AND LOCATION  BEGINNING  ENDING  PERSONNEL  NO  HOURS WORKED  SUPERVISOR FOREMANN SKILLED  TRUCK DRIVERS LABOR MECHANIC  GEOTECHNICAL TECH  EQUIPMENT (ACTIVE/IDLE)  A  A  A  BULLDOZER FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, UMP TRUCK, WATER TRUCK, WATER TRUCK, WATER TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY			CON	TRACTOR II	NFORMATION			
OPERATION AND LOCATION  BEGINNING  ENDING  PERSONNEL  NO HOURS WORKED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  EQUIPMENT (ACTIVE/IDLE) FRONT END LOADER GENERATOR FOREMAN SURVEYING EQUIPMEN FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, UMP TRUCK, UMP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		) ENVIRC	NMENTAL CON	ISTRUCTIO	N CORPORAT	ION		
PERSONNEL NO HOURS WORKED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BUILDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRUCK, DIWLER TRUCK, DIWLER FRONT END LOADER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DIWLER TRUCK, DI	SUBCONTRACTORS:					<del></del>		
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/26/2010	Friday	NO: 145 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
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	NONE X SLIGHT ND SPEED: MP		not rec	orded
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RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ïΤ	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY		
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/26/2010	Friday	NO. 145 of 215

GENERAL COMMENTS:	Comanco not on site.	No work planned or pe	rformed.	
		•		
PROJECT INSPECTOR:	DATE		HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	DATE	 11/26/10	FROM TO	TOTALTIOUNG



		DE	ESCRIPTION	OF WORK			
CONTRACT NAME: SWM PHASE 3 EXPANSIO	CON	NTRACT NO: ITB 040-10	DATE:	11/27/2010	DAY OF	WEEK: aturday	CONTRACT DAY NO. 146 OF 215
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CONTRACTOR: COMANCO	ENVIRO	DNMENTAL CO	<b>NSTRUCTIO</b>	N CORPORAT	ION		
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WEATHER CONDITIONS:  \( \) CLEAR	CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
TEMPERATURE: 78 HIGH 55 LOW TEMPERATURE RESTRICTION SPECIFICATION NO:  WIND: NONE SILIGHT STANT: STAND: SHOWERS  RAIN: NONE SILIGHT HEAVY SHOWERS  1ST RAINFALL: STANT: END: RAIN IN GUAGE  RAIN DURATION: 202 HRS 24 HRS 4-6 HRS ALL DAY  WORKING CONDITIONS: EXCELLENT GOOD FACCEPTABLE CONDITIONS:  SOIL CONDITIONS: DRY WET EXTREMELY WET  EFFECTS OF WEATHER ON MAJOR WORK ITEMS  MAJOR AND/OR AND/ORK ITEMS  MAJOR AND/OR OF HOME DAY SON OF WORK DAY THAN 50% OF WORK ALL DAY  PHOTO IN NUMBERS  PHOTO ID NUMBERS  PHOTO ID NUMBERS  PHOTO ID NUMBERS	SWM PHASE 3 EXPANSION	ITB 040-10	11/27/2010	Saturday	NO: 146 OF 215
WIND: NONE WIND SPEED: WPH WIND DIRECTION: SPECIFICATION NO: WIND SPEED: MPH WIND DIRECTION: Not recorded  RAIN: NONE WIND SPEED: MPH WIND DIRECTION: SHOWERS STAIN IST RAINFALL: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START: START:	WEATHER CONDITIONS:	X CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
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MAJOR AND/OR ONTROLLING WORK ITEMS  MAJOR AND/OR ONTROLLING WORK ITEMS  NO EFFECT ALL EFFECTED LESS THAN 50% OF WORK ALL DAY  HAN 50% OF WORK DAY  THAN 50% OF WORK ALL DAY  THAN 50% OF WORK  ALL DAY  PHOTO INFORMATION:  PHOTO ID NUMBERS  PHOTO ID NUMBERS	ACCEPTABLE				
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/27/2010	Saturday	NO. 146 of 215

GENERAL COMMENTS:	Comanco not on site. I	No work planned or perf	ormed.	
PROJECT INSPECTOR:	DATE:		HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury		11/27/10	FROMTO	



	ITDACT NAME	looi	DI	SCRIPII	ON OF WORK	In av or week	
UUN US	ITRACT NAME: VM PHASE 3 EXPANSIO	INI COI			TE: 11/28/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO. 147 OF 215
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	NTRACTOR: COMANCO						
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	FOREMAN						
	SKILLED			<u> </u>			
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/28/2010	Sunday	NO: 147 OF 215
WEATHER CONDITIONS: 2	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	78 HIGH55	LOW TEMPER	NATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT ND SPEED: MP	STRONG WIND DIRECTION:	not rec	corded
1:	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	x FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
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MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/28/2010	Sunday	NO. 147 of 215

GENERAL COMMENTS:	Comanco not on site.	No work planned or perform	ned.		
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PROJECT INSPECTOR:	DATE		HOURS AT JOB SITE	TOTAL HO	JUKS



LABOR MECHANIC

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		DES	CRIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION		TRACT NO: ITB 040-10	DATE: 11/29/2010	DAY OF WEEK: Monday	CONTRACT DAY NO. 148 OF 215
		CONTI	RACTOR INFORMATION		
CONTRACTOR: COMANCO SUBCONTRACTORS:	ENVIRO	NMENTAL CONS	STRUCTION CORPORATIO	N	
OF	PERATIC	N AND LOCATIO	ON STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF	TIME	(AM/PM) ENDING
and the second process of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second				7:00 AM	6:30 PM
PERSONNEL	NO	HOURS WORKED	MA	TERIALS RECEIVED	
SUPERVISOR	2	_ 11		· · · · · · · · · · · · · · · · · · ·	
FOREMAN	1	11			
SKILLED	13	11			
TRUCK DRIVERS					

	Δ		Δ	EQUIPMENT (	ACTI A	VE/IDLE)	Δ	
	Α	BULLDOZER	A	SURVEYING EQUIPMEN	A		<u> </u>	nual on Leaters (etc.) <u>EST (eST</u> E
Ī	Α	FRONT END LOADER		GPS BASE STATION	Α			
ſ	Α	GENERATOR						
Γ		PUMP						
ſ	Α	ROLLER, STEEL WHEEL						
ſ		TRACTOR, SKID STEER						
Γ		TRUCK, DUMP						
Γ	Α	TRUCK, PICKUP						
Ī	Α	TRUCK, WATER						
		TRUCK, FUEL						
	Α	TRACKHOE						

CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
#14	Geocomposite Tri-planar						
#10	Geosynthetic clay liner						
#15	Uniaxial Geogrid						
#11	60 Mil Secondary Liner						
#12	Bi-planar Geocomposite						
#13	60 Mil primary Liner						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/29/2010	Monday	NO: 148 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	82 HIGH 66	. <u> </u>	RATURE RESTRICTIO SPECIFICATION NO	
<b>WIND:</b> W	NONE SLIGHT  IND SPEED: MP	STRONG H WIND DIRECTION:	not re	corded
	2ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY X WET	EXTREMELY WE	ET	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MC THAN 50% OF W	
			L	Ш
NUMBER OF PHOTO	Commence of the second section of the second section of the second section of the second section of the second	OINFORMATION:		
<u> </u>	РНОТ	O ID NUMBERS		
-				
		]		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/29/2010	Monday	NO. 148 of 215

Paul Siriboury	11/29/10	FROM 7:00 TO 18:30	11
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
weld, seaming and nondestructive tes	t logs for details.		
woked on fusion weld on seam P-112/	P-113 along with air pressure	testing. Observed and documented the	liner work; see trial
swales, preparing for sod placement.	Folia pipe section on the slat Survey crew was on site to sur	e slope as well as grading work along tr vey the area that Comanco had graded	ie east and north-east . The liner crew also
continued to place sand around the 24	nsite at 7:00 am. Super held s	e slope as well as grading work along the	a cost and north cost



	DESCR	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/30/2010	Tuesday	NO. 149 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS:				
	,, <u>-</u> ,,,-,,,-			
			TIME (A	AM/PM)
OPER	RATION AND LOCATION		BEGINNING	ENDING
		· · · · · ·	7:00 AM	4:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	9	
FOREMAN	1	9	
SKILLED	13	9	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

A		Α	EQUIPMENT (	ACTI A	(IVE/IDLE) A
Α	BULLDOZER	Α	SURVEYING EQUIPMEN	Α	
Α	FRONT END LOADER	Α	GPS BASE STATION	Α	
Α	GENERATOR				
	PUMP				
Α	ROLLER, STEEL WHEEL				
	TRACTOR, SKID STEER				
	TRUCK, DUMP				
Α	TRUCK, PICKUP				
Α	TRUCK, WATER				
	TRUCK, FUEL				
Α	TRACKHOE				

CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
#14	Geocomposite Tri-planar						
#10	Geosynthetic clay liner						
#15	Uniaxial Geogrid						
#11	60 Mil Secondary Liner						
#12	Bi-planar Geocomposite						
#13	60 Mil primary Liner						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	JCONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/30/2010	Tuesday	NO: 149 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	87 HIGH <u>66</u>		RATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT ND SPEED: MP		not red	orded
1		ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	DRY X WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	HER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
		Ш		
NUMBER OF PHOTOS	eranina de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa del compansa del compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de la compansa de	D INFORMATION:		
	РНОТ	O ID NUMBERS		
VISITORS:				
	4			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	11/30/2010	Tuesday	NO. 149 of 215

		afety briefing and discussed work plar	
		placement. The liner crew also worked d vacuum testing. Comanco complete	
		also deployed Geogrid UX 1700 from	
		weld, repair, Geogrid and composite p	
	·		v
			<del> </del>
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/30/10	FROM 7:00 TO 16:30	9



		DES	CRIPTION OF WORK		
CONTRACT NAME:		NTRACT NO:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION		ITB 040-10	12/1/2010	Wednesday	NO. 150 OF 215
		CONT	RACTOR INFORMATION	1	
CONTRACTOR: COMANCO E	NVIR	ONMENTAL CONS	STRUCTION CORPORA	TION	
SUBCONTRACTORS:					
				TIME	
Part of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control o	RATIO	ON AND LOCATIO	N CONTRACTOR	BEGINNING	ENDING
				7:00 AM	11:30 AM
PERSONNEL	NO	HOURS		MATERIALS RECEIVED	
	thai feli	WORKED			and the design of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of
SUPERVISOR	2	N/A		· · · · · · · · · · · · · · · · · · ·	
FOREMAN	1	N/A			
SKILLED	13	N/A		<u> </u>	
SKILLED TRUCK DRIVERS	13	N/A			
SKILLED	13	N/A			
SKILLED TRUCK DRIVERS	13	N/A			
SKILLED TRUCK DRIVERS LABOR	13	N/A			
SKILLED TRUCK DRIVERS LABOR MECHANIC	13	N/A			
SKILLED TRUCK DRIVERS LABOR MECHANIC	13	EQUI	PMENT (ACTIVE/IDLE)		
SKILLED TRUCK DRIVERS LABOR MECHANIC	13 A	EQUI	PMENT (ACTIVE/IDLE)	그 보이 보다 가는 그리면 보다 나이는 그는 그는 그는 점점 하셨다.	
SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH		EQUI	A	그 보이 보다 가는 그리면 보다 나이는 그는 그는 그는 점점 하셨다.	T
SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH	A	EQUI	A UIPMEN A	그 보이 보다 가는 그리면 보다 나이는 그는 그는 그는 점점 하셨다.	
SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  A BULLDOZER		EQUI SURVEYING EQ	A UIPMEN A	그 보이 보다 가는 그리면 보다 나이는 그는 그는 그는 점점 하셨다.	
SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  A BULLDOZER A FRONT END LOADER		EQUI SURVEYING EQ	A UIPMEN A	그 보이 보다 가는 그리면 보다 나이는 그는 그는 그는 점점 하셨다.	

Α	FRONT END LOADER	Α	GPS BASE STATION	Α			
Α	GENERATOR						
	PUMP						
Α	ROLLER, STEEL WHEEL						
	TRACTOR, SKID STEER						
	TRUCK, DUMP						
Α	TRUCK, PICKUP						
Α	TRUCK, WATER						
	TRUCK, FUEL						
Α	TRACKHOE						
			CONTRACT QUANTI	TY INCREA	ASES TODAY		(17)10年(1911年)。 1811年(1911年)
IT	TEM NO. IT	TEM	QUANTIT	v		AND CALCIII	

<b>有其实的人的</b>	CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS						
#14	Geocomposite Tri-planar								
#10	Geosynthetic clay liner								
#15	Uniaxial Geogrid								
#11	60 Mil Secondary Liner								
#12	Bi-planar Geocomposite								
#13	60 Mil primary Liner								



SWM PHASE 3 EXPANSION	I ITB 040-10	DATE: 12/1/2010	DAY OF WEEK: Wednesday	NO: 150 OF 215
3WW FHASE S EXPANSION	1115 040-10	12/1/2010	Wednesday	NO. 150 OF 215
		<u></u>	VY CLOUDS	FOG
TEMPERATURE:	73HIGH41		ATURE RESTRICTION SPECIFICATION NC	
	NONE X SLIGHT IND SPEED: MF	STRONG PH WIND DIRECTION:	not rec	corded
	2ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	x 0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	nours ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY XWET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY		
NUMBER OF PHOTO	C TAI/CAL	O INFORMATION:		
<u></u>	PHO	TO ID NUMBERS	<del></del>	
VISITORS:			<u>,</u>	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/1/2010	Wednesday	NO. 150 of 215

GENERAL COMMENTS: Comar	nco onsite at 7:00 am. Sup	er held safety briefing and discussed wor	k plan for today. Comanco
continued grading work on the no	rth swale in preparation for	sod placement. The liner crew complete	ed installation of the Geogrid UX
geogrid placement log for details.	anei P-197 to P-204 (total Left site drive for back to 4	of 17,160 SQF). Observed and documen	tea geogria deployment; see
googna piacoment log for details.	Lest site drive for back to	ootambia, waryiana.	
+			
			:
ł			
İ			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS

FROM 7:00 TO 11:30 12/01/10

*Includes partial charge for travel time to Columbia, Maryland

Paul Siriboury



		D	ESCRIPTION OF WOR	RK	5 <u></u>	
CONTRACT NAME:	co	NTRACT NO:	DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION		ITB 040-10	12/2/201	0	Thursday	NO. 151 OF 215
			TRACTOR INFORMAT			
CONTRACTOR: COMANC	O ENVIR	ONMENTAL CO	NSTRUCTION CORPO	RATION		
SUBCONTRACTORS:						
						(AM/PM)
	OPERATI	ON AND LOCAT	ION			ENDING
					6:30 AM	4:30 PM
enner i miljerien jako	Decided to the control	In a company	The second second second second		** .	
PERSONNEL	NO	HOURS		MATE	RIALS RECEIVED	
SUPERVISOR	1	WORKED 10		ovid Springer v		2. 1995 年 1996
FOREMAN		10				
SKILLED	9	10				<del></del> .
TRUCK DRIVERS	9	10	<u> </u>			
LABOR		<del> </del>	<u> </u>			
MECHANIC		+				
GEOTECHNICAL TECH		+				
GEOTEONINIONE TEOT		-L			<del></del>	
	- 175 - 175	EQ	UIPMENT (ACTIVE/ID	IF)		e o successi Statistica
A	Α		A		Α	
A BULLDOZER	ΙA			1 1 1 2 4 1 5 1 4 1 5 1 4 1 5 1 4 1 5 1 4 1 5 1 4 1 5 1 4 1 5 1 5		<u></u>
A FRONT END LOADE		GPS BASE ST			1 1	
A GENERATOR		1				
PUMP	<del></del>	<del></del>			<del>  </del>	
A ROLLER, STEEL WI	HEEL					
A ROLLER, STEEL WI						
A ROLLER, STEEL WE TRACTOR, SKID ST						
A ROLLER, STEEL WE TRACTOR, SKID ST TRUCK, DUMP						
A ROLLER, STEEL WE TRACTOR, SKID ST TRUCK, DUMP A TRUCK, PICKUP						
A ROLLER, STEEL WE TRACTOR, SKID ST TRUCK, DUMP A TRUCK, PICKUP A TRUCK, WATER						
A ROLLER, STEEL WE TRACTOR, SKID ST TRUCK, DUMP A TRUCK, PICKUP A TRUCK, WATER TRUCK, FUEL						
A ROLLER, STEEL WE TRACTOR, SKID ST TRUCK, DUMP A TRUCK, PICKUP A TRUCK, WATER TRUCK, FUEL	EER	CONTRACT	QUANTITY INCREAS	ES TODA	Y	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/2/2010	Thursday	NO. 151 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	61 HIGH 30	·	NATURE RESTRICTION NO	
	NONE X SLIGHT  ND SPEED: 5 MP	STRONG H WIND DIRECTION:		١W
15	ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: X	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOTOR OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 50% OF VIOLENTIAN 5	
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	РНОТ	O ID NUMBERS		
12-02-10 PHOTOS				
	<del>-</del>			
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/2/2010	Thursday	NO. 151 OF 215

GENERAL COMMENTS: The 8" leach	ate collection pipe was flushed fr	om the east end to the west. 8" lea	chate collection pipe
connection weld to 24" pipes was finish	ed. Sump area was rocked and	graded. Survey as built was done.	• •
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1			
			•
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/02/10	FROM 6:30 TO 18:00	11



ONTRACT NAME:			TRACT NO:		<del></del>	DAY OF W		CONTRACT DAY
SWM PHASE 3 EXPA	NSION	<u></u>	ITB 040-10		12/3/2010	[ Fr	iday	NO. 152 OF 215
							·	
ONTRACTOR: COM	ANCO EI	ANIRC	DIMENTAL CON	ISTRUCTION	ON CORPORATI	ON		
JBCONTRACTORS:								
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						Teo a risasisti	ASSETTINGE	(AM/PM)
	OPE	RATIC	N AND LOCAT	ON	조건적의 (1957년의 중부)		NNING	
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nenoniue!	566 842	W. S.	HOURS					소리 중요 기가 있는 것
PERSONNEL		<b>10</b>	WORKED		M	ATERIALS RE	CEIVED	
SUPERVIS	SOR	1	10				<u></u>	<u> </u>
FOREN	ЛAN	2	10					-
SKILI	LED	13	10					
TOUCK DOIN	-RS							
TRUCK DRIVE								
LAE								
	BOR						-	
LAE	BOR NIC							
LAE MECHA	BOR NIC							
LAE MECHA GEOTECHNICAL TE	BOR NIC		EQI	JIPMENT (	ACTIVE/IDLE)			
LAE MECHA GEOTECHNICAL TE	BOR NIC				Α		A	
LAE MECHA GEOTECHNICAL TE  A BULLDOZER	BOR NIC CH	A	SURVEYING E	QUIPMEN	Α		A	
A BULLDOZER A FRONT END LC	BOR INIC ICH			QUIPMEN	Α		A	
A BULLDOZER A FRONT END LC A GENERATOR	BOR INIC ICH	A	SURVEYING E	QUIPMEN	Α		A	
A BULLDOZER A FRONT END LC A GENERATOR PUMP	BOR INIC ICH ICH	A	SURVEYING E	QUIPMEN	Α		<b>A</b>	
A BULLDOZER A FRONT END LC A GENERATOR PUMP A ROLLER, STEE	BOR INIC ICH DADER	A	SURVEYING E	QUIPMEN	Α		A	
A BULLDOZER A FRONT END LO A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII	BOR INIC ICH DADER	A	SURVEYING E	QUIPMEN	Α		A	
A BULLDOZER A FRONT END LC A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII TRUCK, DUMP	OADER  L WHEE	A	SURVEYING E	QUIPMEN	Α		A	
A BULLDOZER A FRONT END LC A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII TRUCK, DUMP A TRUCK, PICKUI	OADER  L WHEE D STEEF	A	SURVEYING E	QUIPMEN	Α		A	
A BULLDOZER A FRONT END LC A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII TRUCK, DUMP A TRUCK, PICKUI A TRUCK, WATER	OADER  L WHEE D STEEF	A	SURVEYING E	QUIPMEN	Α		A	
A BULLDOZER A BULLDOZER A FRONT END LO A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII TRUCK, DUMP A TRUCK, PICKUI A TRUCK, WATER TRUCK, FUEL	OADER  L WHEE D STEEF	A	SURVEYING E	QUIPMEN	Α		<b>A</b>	
A BULLDOZER A FRONT END LC A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII TRUCK, DUMP A TRUCK, PICKUI A TRUCK, WATER	OADER  L WHEE D STEEF	A	SURVEYING E	QUIPMEN	Α		<b>A</b>	
A BULLDOZER A BULLDOZER A FRONT END LC A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII TRUCK, DUMP A TRUCK, PICKUI A TRUCK, FICKUI A TRUCK, FUEL A TRACKHOE	DADER  L WHEE D STEEF	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	SURVEYING E GPS BASE ST	QUIPMEN ATION	A		<b>A</b>	
A BULLDOZER A FRONT END LO A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII TRUCK, DUMP A TRUCK, PICKUI A TRUCK, FUEL A TRACKHOE	DADER  L WHEE D STEEF	AAA	SURVEYING E GPS BASE STA	QUIPMEN ATION QUANTIT	A A A A A A A A A A A A A A A A A A A	ODAY		
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A BULLDOZER A FRONT END LC A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII TRUCK, DUMP A TRUCK, PICKUI A TRUCK, FUEL A TRACKHOE	DADER  L WHEE D STEEF	AAA	SURVEYING E GPS BASE STA	QUIPMEN ATION QUANTIT	A A A A A A A A A A A A A A A A A A A	ODAY		
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A BULLDOZER A FRONT END LC A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII TRUCK, DUMP A TRUCK, PICKUI A TRUCK, FUEL A TRACKHOE	DADER  L WHEE D STEEF	AAA	SURVEYING E GPS BASE STA	QUIPMEN ATION QUANTITY	A A A A A A A A A A A A A A A A A A A	ODAY		
A BULLDOZER A FRONT END LC A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII TRUCK, DUMP A TRUCK, PICKUI A TRUCK, FUEL A TRACKHOE	DADER  L WHEE D STEEF	AAA	SURVEYING E GPS BASE STA	QUIPMEN ATION QUANTITY	A A A A A A A A A A A A A A A A A A A	ODAY		
A BULLDOZER A FRONT END LC A GENERATOR PUMP A ROLLER, STEE TRACTOR, SKII TRUCK, DUMP A TRUCK, PICKUI A TRUCK, FUEL A TRACKHOE	DADER  L WHEE D STEEF	AAA	SURVEYING E GPS BASE STA	QUIPMEN ATION QUANTITY	A A A A A A A A A A A A A A A A A A A	ODAY		



SWM PHASE 3 EXPANSION	CONTRACT NO:     ITB 040-10	DATE: 12/3/2010	DAY OF WEEK:	NO. 152 OF 215
SWIN PHASE 3 EXPANSION	1 115 040-10	12/3/2010	Friday	INO. 152 OF 215
WEATHER CONDITIONS:	X CLEAR ☐ PARTI	LY CLOUDY	AVY CLOUDS	FOG
TEMPERATURE:	60HIGH31		RATURE RESTRICTI SPECIFICATION 1	
	☐NONE XSLIGHT	STRONG  WIND DIRECTION:	:not	recorded
RAIN:	2ND RAINFALL: ST	TART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	Not recorded as rain of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control	occurred during non-workin 4-6 HRS	g hours	
WORKING CONDITIONS:	X EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% DF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEAT	THER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL IS DAY	EFFECTED LESS THAN 50% OF WORK DAY		
	x			
NUMBER OF PHOTO	anal religious deligiagal angre avaigs according to a section of	O INFORMATION:		
<del></del>	PHO	TO ID NUMBERS		
12-03-10 PHOTOS				
VISITORS:				<del></del>



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/3/2010	Friday	NO. 152 OF 215

Sand on floor of cell was graded. Al	w spent day snoveling sand on wes Il equipment was removed from cel	t slope around 24" HDPE risers. Soc I.	ı was layed on north rim.
•			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/03/10	FROM 6:30 TO 15:00	8.5



CONTRACT NAME:	CONTRACT NO:	ESCRIPTION OF WORK DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSIO			Saturday	NO. 153 OF 215
		TRACTOR INFORMATION		
CONTRACTOR: COMANCO	ENVIRONMENTAL CO	NSTRUCTION CORPORAT	ION	
SUBCONTRACTORS:				
			TIME	*/ABA/DBAY
OI	PERATION AND LOCA	FION A SAME SEED OF THE COMMENT		ENDING
	<u> </u>		Zana Para Beautiful Control	Section Company
		<del></del>		
PERSONNEL	NO HOURS	v.	ATERIALS RECEIVED	
	WORKED		IATEMIAES RECEIVED	
SUPERVISOR				
FOREMAN				
SKILLED				
TRUCK DRIVERS				
LABOR MECHANIC		<u> </u>	<del></del>	
GEOTECHNICAL TECH	<del></del>		<del>- 1</del> 2.	
GEOTEON WORL TEON		<u>L</u> .		
	EG	UIPMENT (ACTIVE/IDLE)		
A	A	A	A	
BULLDOZER	SURVEYING I			
FRONT END LOADER	GPS BASE ST	TATION		
GENERATOR				
PUMP				
ROLLER, STEEL WHI				
TRACTOR, SKID STE	ER			
TRUCK, DUMP TRUCK, PICKUP				
TRUCK, WATER		<del></del>		
TRUCK, FUEL	<del></del>	<del></del>		
TRACKHOE			·	<del></del>
		<u> </u>	1 1	
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ITEM NO.	ITEM	QUANTITY	REMARKS AND CALC	ULATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	N ITB 040-10	12/4/2010	Saturday	NO. 153 OF 215
WEATHER CONDITIONS:	CLEAR PART	TLY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	HIGH	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
WIND:	NONE SLIGHT		not rec	orded
RAIN:		START:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	occurred during non-workin  4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50%  F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEA	THER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	NO EFFECT ALL  DAY	1 EFFECTED LESS THAN 50% OF WORK DAY		
			Ш	
NUMBER OF PHOTO		TO INFORMATION:	Margar Construence (Transport	
	PHO	OTO ID NUMBERS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/4/2010	Saturday	NO. 153 OF 215

GENERAL COMMENTS: No work	k was performed.		<u> </u>
			===
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE FROM TO	TOTAL HOURS



1. · · · · · · · · · · · · · · · · · · ·		DI	ESCRIPTION C	)F WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION		NTRACT NO: ITB 040-10		12/5/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO. 154 OF 215
and the second						
CONTRACTOR: COMANC						
SUBCONTRACTORS:						
<del></del>						
					Language State State Company	(AM/PM)
	OPERATIO	ON AND LOCAT	10N			(AW/FWI) ENDING
part film a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco	71. E1175	Silvino Fair		<u> </u>	Participants of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of	
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PERSONNEL	NO	HOURS	Friedrich Callenger	M	ATERIALS RECEIVED	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	14.43.55 <b>%</b>	WORKED				
SUPERVISOR FOREMAN	<del> </del>	<del> </del>			<del>.</del>	
SKILLED		<del> </del>			<del></del>	
TRUCK DRIVERS	I	+	<del> </del>	<del></del>	<u> </u>	
LABOR		+	<del>                                     </del>			
MECHANIC		†			•	
GEOTECHNICAL TECH		İ				
		EQI	UIPMENT (ACT	(IVE/IDLE)		
BULLDOZER	A	SURVEYING E	A		A	
FRONT END LOADE		GPS BASE ST.		<del></del>		
GENERATOR		di o briol o	ATION	+		
PUMP	$\neg$	†		+		
ROLLER, STEEL WI	HEEL	1				
TRACTOR, SKID ST	EER	<u> </u>		<b></b>		
TRUCK, DUMP						
TRUCK, PICKUP	$\longrightarrow$			Ţ		
TRUCK, WATER		<b></b>				
TRUCK, FUEL TRACKHOE	-	<u> </u>		<del>                                     </del>		
LIMACKHUE						
	- 	CONTRACT	QUANTITY IN	CREASES TO	ΟΠΑΥ	
ITEM NO.	ITEM		QUANTITY	T	REMARKS AND CALC	
				†		<u> </u>
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				<del>                                     </del>		
<del>                                     </del>				<del> </del>		
		<del></del>		<del>  -</del>		
				+		
ı						



SWM PHASE 3 EXPANSION	I ITB 040-10	DATE: 12/5/2010	Sunday	NO. 154 OF 215
OWN THACE O EXTANOION	110 040-10	12/3/2010	Juliday	NO. 104 OF 215
			AVY CLOUDS	FOG
TEMPERATURE:	HIGH	_LOW   TEMPER	RATURE RESTRICTI SPECIFICATION 1	
	NONE SLIGHT		: not	<del></del>
		TART: TART:	SHOWERS END:	RAIN IN GUAGE
RAIN DURATION:	Not recorded as rain  0-2 HRS 2-4 HRS	occurred during non-workin 4-6 HRS	g nours  ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% OF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ĒΤ	
	EFFECTS OF WEA	THER ON MAJOR WORK	ITEMS	
MAJOR AND/OR CONTROLLING WORK ITEM:	NO EFFECT ALL S DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF PHOTO:	ndeproper engages brothing and investigation	TO INFORMATION:		
	PHC	TO ID NUMBERS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	: DAY OF WEEK:	
SWM PHASE 3 EXPANSION	ITB 040-10	12/5/2010	Sunday	NO. 154 OF 215

PROJECT INSPECTOR:	DATE:		HOURS AT JOB SITE FROM TO	TOTAL HOURS
		·		
GENERAL COMMENTS: No wor	rk was performed.			



DESCRIPTION OF WORK							
CONTRACT NAME:	CON	ITRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY		
SWM PHASE 3 EXPANSION	WM PHASE 3 EXPANSION   ITB 040-10   12/6/2010		Monday	NO. 155 OF 215			
		CONTE	RACTOR INFORMATION				
CONTRACTOR: COMANCO	ENVIRO	NMENTAL CONS	TRUCTION CORPORATION				
SUBCONTRACTORS:							
				•			
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				A TIME	(AM/PM)		
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				10:00 AM	3:30 PM		
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PERSONNEL	NO	HOURS WORKED	MAT	ERIALS RECEIVED			
SUPERVISOR	1	10			2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		
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				EQUIPMENT (	VE/IDLE)		
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į	A_	BULLDOZER	Α	SURVEYING EQUIPMEN			<u> </u>
- [	Α	FRONT END LOADER	Α	GPS BASE STATION			
[	Α	GENERATOR					
		PUMP			"		
	Α	ROLLER, STEEL WHEEL					
[		TRACTOR, SKID STEER					
I		TRUCK, DUMP					
	Α	TRUCK, PICKUP					
	Α	TRUCK, WATER					<del></del>
		TRUCK, FUEL					
	A	TRACKHOE					

2 Vagas 18	ÇOI	NTRACT QUANTITY INCRE	ASES TODAY
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/6/2010	Monday	NO. 155 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:		. <u> </u>	RATURE RESTRICTION SPECIFICATION NO:	
	NONE X SLIGHT ND SPEED: 10-15 MP	X STRONG PH WIND DIRECTION:	WN	ıw
1:	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ET	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR THAN 50% OF WO	
	Ш	x		
NUMBER OF PHOTOS		O INFORMATION:		
	PHO	TO ID NUMBERS		
12-06-10 PHOTOS				
·				
VISITORS:		<del>,</del> _		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/6/2010	Monday	NO. 155 OF 215

			:
deployed on north slope and floor of to middle of cell. Survey crew was	of cell. Storng wind picked up ar onsite to survey and locate finis	nd blew under rain tarp from west end shed part of cell and rim.	d of cell and pushed it back



			DES	CRIPTION OF	WORK		
CONTRACT NAME:	OLON	CO	NTRACT NO:	DATE:	7/0040	DAY OF WEEK: Tuesday	
SWM PHASE 3 EXPAN	10 m 11 m	<u> </u>	CONT	RACTOR INFO	RMATION		
CONTRACTOR: COMA							
UBCONTRACTORS:							
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						S TO STORY . TIME	· / A vierim view in the lands
	OPF	RATIO	ON AND LOCATIO	NEW VIOLEN			(AM/PM) ENDING
<b>游光路(37)。 45、多水 10 (15)</b> (15)	OI LI	1711	JN AND LOCATIO	Maria Santa Salas	Street Art 1	DEGINARING :	- DARKENDING TO
						-	
			_ =				
PERSONNEL		10	HOURS		М	ATERIALS RECEIVED	
<b>第5年的表现不同,对于2015年</b>		- 04	WORKED				<b>经过,学生是是关心</b> 意
SUPERVISO		1	10	· · · · · · · · · · · · · · · · · · ·			
FOREM/ SKILLI		2 13	10				
TRUCK DRIVE		13	10				
LABO		-					
MECHAN							
GEOTECHNICAL TEC	H						
· · · · · ·			<del> </del>			*****	
Å			EQUI	PMENT (ACTI	VE/IDLE)		
A BULLDOZER		A I A	SURVEYING EQ			Α	Laster Carlo Carlo San San San San
A FRONT END LOA	DEB	l A	GPS BASE STAT			<del>-     -</del>	
A GENERATOR	IDEI I	<del>                                     </del>	GI O BAGE OTAL	1011		<del></del>	
PUMP							
A ROLLER, STEEL	WHEEL				-		
TRACTOR, SKID	STEER						
TRUCK, DUMP							
A TRUCK, PICKUP		<u> </u>	<u></u>				
A TRUCK, WATER		<u> </u>					
TRUCK, FUEL A TRACKHOE							
A THACKHOE		<u> </u>	<u>l</u>			L	<del></del>
		a viv	CONTRACT	UANTITY INC	BEASES TO	DDAY	
ITEM NO.		TEM		UANTITY	Manager at a 1 a	REMARKS AND CALC	
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N/A N/A				N/A			
1			1				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/7/2010	Tuesday	NO. 156 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	52 HIGH 27	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO:	
	NONE XSLIGHT OF SPEED: 10 MP	X STRONG TH WIND DIRECTION:	NV	v
15	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR	
	<u> </u>	Ш	Ш	Ц
NUMBER OF PHOTOS		O INFORMATION:		
	PHO	TO ID NUMBERS		
12-07-10 PHOTOS				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/7/2010	Tuesday	NO. 156 OF 215

GENERAL COMMENTS: Liner crew spe			
The rest of the rain tarp was deployed a	nd sandbagged on north and we	st slopes and floor of cell. Additiona	al rain tarp was installed
on west slope connecting phase 2 rain to	arp to phase 3 rain tarp.		
<u> </u>			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/07/10	FROM 6:30 TO 17:30	11



	Commission of	DES	CRIPTION OF WO	RK		집 회사이 이렇게 하지 않는다.	
ONTRACT NAME: CONTRACT SWM PHASE 3 EXPANSION ITE		NTRACT NO: ITB 040-10	T NO: DATE:		Y OF WEEK: Wednesday	CONTRACT DAY NO. 157 OF 215	
					er generalis, des		
CONTRACTOR: COMANCO	ENVIR	ONMENTAL CONS	TRUCTION CORP	ORATION			
SUBCONTRACTORS:							
				Š. 45	TIME	(AM/PM)	
ol Ol	PERATIO	ON AND LOCATIO	N		BEGINNING		
					7:30 AM	5:30 PM	
e poet policie e pre	WK-0075227105		may receive an arrange representation of a second	90. 10 1 0 T L. 10 1 L. 10 L.			
PERSONNEL	NO	HOURS WORKED	4-25-4467.5	MATERIA	LS RECEIVED		
SUPERVISOR	1992 (SE)	10					
FOREMAN	<del>-</del> -	10		<u> </u>			
SKILLED	9	10					
TRUCK DRIVERS		<del>                                     </del>					
LABOR							
MECHANIC							
GEOTECHNICAL TECH	2	1				•	
		EQUI	PMENT (ACTIVE/ID	)LE)			
<b>A</b>					A		
A FRONT END LOADER		SURVEYING EQ					
A FRONT END LOADER A GENERATOR	A	GPS BASE STAT	ION		<del></del>		
PUMP	-						
A ROLLER, STEEL WHE	FI		<del></del>				
TRACTOR, SKID STE			<del></del>				
TRUCK, DUMP							
A TRUCK, PICKUP							
A TRUCK, WATER							
TRUCK, FUEL							
A TRACKHOE							
		CONTRACT	UANTITY INCREAS	SES TODAY			
	1		145177777				
ITEM NO.	ITEM	Q	UANTITY	REMA	RKS AND CALC	ULATIONS	

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ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
N/A	N/A	N/A						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/8/2010	Wednesday	NO. 157 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTI	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	54 HIGH 27	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
WIND: [	NONE X SLIGHT ND SPEED: MF	X STRONG WIND DIRECTION:		
1	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION: [	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	EXCELLENT X GOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	x DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	THER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR	
	×			
NUMBER OF PHOTOS	Dalah Bana da Balanda da Bana da Bana da Bana da Bana da Bana da Bana da Bana da Bana da Bana da Bana da Bana d	O INFORMATION:		
	PHO	TO ID NUMBERS		
12-08-10 PHOTOS				
VISITORS: Mike Wimer, PSI, U	Jniversal			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/8/2010	Wednesday	NO. 157 OF 215

PSI and Universal. Survey crew w	concrete on site to build forms for bo as on site to grade north and west ri	ox culvert. Sub surface density tests m of cell.	were performed by both
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/08/10	FROM 6:30 TO 17:30	11 11



ONT	RACT NAME:	CON	TRACT NO: DA	TE:	DAY OF WEEK:	CONTRACT DAY
SWN	PHASE 3 EXPANSION		ITB 040-10	12/9/2010	Thursday	NO. 158 OF 215
			CONTRACTO	R INFORMATION		District Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of t
			NMENTAL CONSTRUCT			
UBC	ONTRACTORS: Coast	al con	crete, Diamond T Trucking	]	····· <del>-</del>	***
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						(AM/PM)
\$4.11	OPE	RATIC	ON AND LOCATION			ENDING
					7:00 AM	5:00 PM
			1 ************************************		The transport of any transport	
	PERSONNEL	NO	HOURS	M	ATERIALS RECEIVED	
	OLIDED VIOOD	1 page 1	WORKED	(C) (C) (A) (C) (C) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A		
	SUPERVISOR	1	10			
	FOREMAN	2	10	<del></del>		
	SKILLED	7	10			
	TRUCK DRIVERS					
	LABOR					
Ó.F.	MECHANIC					
GE	OTECHNICAL TECH		<u> </u>			
a garr			EQUIPMENT	ZACTIVÉ (IDECIÓ)	(terretotorios, inkate presidentes)	22/44/5 DRESASMR (SESSION CONTRACT
٨		A	EGUIFMEN	(ACTIVE/IDLE) A	A	
- 2.	BULLDOZER	5.55	SURVEYING EQUIPMEN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	FRONT END LOADER		GPS BASE STATION	<del>'   </del>		
A	GENERATOR	+~	GI O DAGE STATION	<del>  -   -   -   -   -   -   -   -   -   -</del>		
<del>  ^</del>	PUMP	+		+ +		-
A	ROLLER, STEEL WHEE	╅┈┈	<u> </u>	<del>                                     </del>		
<del>- ``</del>	TRACTOR, SKID STEEL			<del></del>		
$\vdash$	TRUCK, DUMP	╫		<del>                                     </del>	+++	
A	TRUCK, PICKUP	<del></del>		<del> </del>		
	TRUCK, WATER	+		<del>                                     </del>		
	TRUCK, FUEL	<del> </del>		<del>                                     </del>		
				1 1	1 1	

ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A N/A	A	N/A	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/9/2010	Thursday	NO. 158 OF 215
WEATHER CONDITIONS: 2	CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE: _			RATURE RESTRICTION SPECIFICATION NO	
<b>WIND:</b> L Wil	NONE X SLIGHT  ND SPEED: 5 MP	STRONG  "H WIND DIRECTION:	N\	N
1	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS		1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR	
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NUMBER OF PHOTOS		O INFORMATION:		
	PHO	TO ID NUMBERS		
12-09-10 PHOTOS				
VISITORS: Dominique Bramlet	t .		<del></del>	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/9/2010	Thursday	NO. 158 OF 215

GENERAL COMMENTS: Coastal Concreover sand from north rim to top of active of	ete worked on the steel for the bocell. 48 loads. Liner crew finished	ox culvert. Diamond T Trucking wa ed up all activity and left the job site	s on site to haul left e.
PROJECT INSPECTOR: Richard Neptune	DATE: 12/09/10	HOURS AT JOB SITE FROM 6:30 TO 17:30	TOTAL HOURS 11



CONTRACT NAME:		Too	DES	ODIE HONG	JE WURK.	IDAY OF	WEEK	LOONED A OF DAY
				DAIE:	0/40/0040		WEEK:	CONTRACT DAY
SWM PHASE 3 EXP							Friday	NO. 159 OF 215
CONTRACTOR: COM							<u>i pariliberi</u>	
SUBCONTRACTORS:			crete, A Plus Sod	TRUCTION	CONFORTI	<i>J</i> N		
SUBCONTRACTORS.	Coasia	ai com	crete, A Flus 300					
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· · · · · · · · · · · · · · · · · · ·						P45.448	TIME	(AM/PM)
	OPE	RATIO	N AND LOCATIO	N			GINNING	
		-					':00 AM	3:30 PM
							·	
PERSONNEL		ON	HOURS		M	ATERIALS F	RECEIVED	
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FORE		3	8					
SKI								
TRUCK DRIV	ABOR							
MECH								
GEOTECHNICAL T								• •••
GLOTECHNICALT	LON			<del></del>				
A BULLDOZER A FRONT END L A GENERATOR		Α	SURVEYING EQ GPS BASE STAT	UIPMEN	W			
PUMP								
A ROLLER, STE					_		+	
TRUCK, DUM		+					+	
A TRUCK, PICK		┼─					+	
A TRUCK, WATE		+					+ + -	
TRUCK, FUEL		1				<del></del>	<del>                                     </del>	
A TRACKHOE		1						
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		18.00	CONTRACT C	UANTITY IN	ICREASES TO	DDAY		
ITEM NO.		ITEM	QI	JANTITY		REMARKS	AND CALC	ULATIONS
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			]					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	12/10/2010	Friday	NO. 159 OF 215	
WEATHER CONDITIONS:	CLEAR X PARTI	LY CLOUDY HEA	VY CLOUDS	FOG	
TEMPERATURE:	55 HIGH 34	LOW TEMPER	NATURE RESTRICTION NO		
WIND: [ W	$\square$ NONE $\square$ SLIGHT ND SPEED: 5 MF	STRONG PH WIND DIRECTION:	N	IW	
	ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE	
RAIN DURATION:	x 0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY		
WORKING CONDITIONS: [	EXCELLENT GOOD	x FAIR	POOR	BAD	
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY	
SOIL CONDITIONS: [	x DRY WET	EXTREMELY WE	Т		
	EFFECTS OF WEAT	and the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the complete of the comple	TEMS		
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MC THAN 50% OF W		
	x				
PHOTO INFORMATION:  NUMBER OF PHOTOS TAKEN: 8					
	PHO.	TO ID NUMBERS			
12-10-10 PHOTOS					
VISITORS:					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/10/2010	Friday	NO. 159 OF 215

GENERAL COMMENTS: Coastal sod on the slopes on north rim of c	concrete was onsite tying steel in lead. Installed valve and finished co	box culvert on west rim of cell. Sod cre innections on new forcemain on west si	w was on site pegging de of road.
PROJECT INSPECTOR: Richard Neptune	DATE: 12/10/10	HOURS AT JOB SITE FROM 6:30 TO 15:30	TOTAL HOURS 11



CONTRACTOR INFORMATION CONTRACTORS:  TIME (AM/PM)  OPERATION AND LOCATION  BEGINNING ENDING  OPERATION AND LOCATION  BEGINNING ENDING  OPERATION AND LOCATION  BEGINNING ENDING  FOREMAN SKILLED  TRUCK DRIVERS LABOR MECHANIC  GEOTECHNICAL TECH  FONT END LOADER GPS BASE STATION  GENERATOR  PUMP PUMP PUMP PUMP POLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, UNIP TRUCK, UNIP TRUCK, UNIP TRUCK, UNIP TRUCK, FIEL TRACKHOE	CONTRACT NAME: SWM PHASE 3 EXPANSION	CONT	TRACT NO: ITB 040-10	DATE:		DAY OF WEEK: Saturday	CONTRACT DAY NO. 160 OF 215
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION SUBCONTRACTORS:  TIME (AM/PM)  OPERATION AND LOCATION  BEGINNING  ENDING  PERSONNEL  NO HOURS WORKED  SUPERVISOR FOREMAN SKILLED  TRUCK DRIVERS  LABOR MECHANIC GEOTECHNICAL TECH  FRONT END LOADER GENERATOR GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, DUMP TRUCK, PICKUP TRUCK, FICKUP TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY							
SUBCONTRACTORS:  TIME (AM/PM)  OPERATION AND LOCATION  BEGINNING  ENDING  PERSONNEL  NO  WORKED  HOURS WORKED  SUPERVISOR FOREMAN SKILLED  TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  EQUIPMENT (ACTIVE/IDLE)  A  A  A  BULLOZER FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, DIWP TRUCK, PICKUP TRUCK, FUEL TRUCK, FUEL TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY							1. 5. 15. 1. 11. to
PERSONNEL NO HOURS WORKED MATERIALS RECEIVED  SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER FRONT END LOADER GENERATOR GENERATOR PUMP ROLLER, STEEL WHEEL TRACKOP, SUB STEER TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, DUMP TRUCK, USER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY				11.00	00111 0111111		
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SUPERVISOR FOREMAN SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH  BULLDOZER SURVEYING EQUIPMENT FRONT END LOADER GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	がいないないというできまします。 Tenantal American	'ERATIO	N'AND LOCATIO	<u>Nyaliana ara-a</u>	<u> 1,3\$4,34 Y \$ 4</u>	BEGININING	ENDING
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SKILLED TRUCK DRIVERS LABOR MECHANIC GEOTECHNICAL TECH   A A A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FUEL TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY							
TRUCK DRIVERS  LABOR  MECHANIC  GEOTECHNICAL TECH   EQUIPMENT (ACTIVE/IDLE)  A A A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FUEL TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		$\longrightarrow$					
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MECHANIC GEOTECHNICAL TECH  EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, FICKUP TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		-+					
EQUIPMENT (ACTIVE/IDLE)  A A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY					<del></del>		
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A A A  BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY							
BULLDOZER SURVEYING EQUIPMEN FRONT END LOADER GPS BASE STATION GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		Chilipped					
FRONT END LOADER GPS BASE STATION  GENERATOR  PUMP  ROLLER, STEEL WHEEL  TRACTOR, SKID STEER  TRUCK, DUMP  TRUCK, PICKUP  TRUCK, WATER  TRUCK, FUEL  TRACKHOE  CONTRACT QUANTITY INCREASES TODAY	A	. A				Α	
GENERATOR PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY							
PUMP ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		<u>'</u>	GPS BASE STAT	ION			
ROLLER, STEEL WHEEL TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY			<del></del>		<del> </del>		
TRACTOR, SKID STEER TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		==					
TRUCK, DUMP TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY					-	<del></del>	
TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		<del></del>					
TRUCK, WATER TRUCK, FUEL TRACKHOE  CONTRACT QUANTITY INCREASES TODAY		$\dashv$					
TRACKHOE  CONTRACT QUANTITY INCREASES TODAY							
CONTRACT QUANTITY INCREASES TODAY							
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SWM PHASE 3 EXPANSION       ITB 040-10       12/11/2010       Saturday       NO. 160 CO         WEATHER CONDITIONS:       CLEAR       PARTLY CLOUDY       HEAVY CLOUDS       FOG         TEMPERATURE:       HIGH       LOW       TEMPERATURE RESTRICTION SPECIFICATION NO:         WIND:       NONE       SLIGHT       STRONG         WIND SPEED:       MPH       WIND DIRECTION:       not recorded         RAIN:       NONE       LIGHT       HEAVY       SHOWERS	
TEMPERATURE:HIGHLOW TEMPERATURE RESTRICTION SPECIFICATION NO:	JAGE
WIND: NONE SLIGHT STRONG WIND SPEED: MPH WIND DIRECTION: not recorded  RAIN: NONE LIGHT HEAVY SHOWERS	JAGE
WIND SPEED: MPH WIND DIRECTION: not recorded  RAIN: NONE LIGHT HEAVY SHOWERS	JAGE
	JAGE
1ST RAINFALL: START: END: RAIN IN G 2ND RAINFALL: START: END: Not recorded as rain occurred during non-working hours	
RAIN DURATION: 0-2 HRS 2-4 HRS 4-6 HRS ALL DAY	
WORKING CONDITIONS: EXCELLENT GOOD FAIR POOR BAD	
DURATION OF ACCEPTABLE MORE THAN 50% LESS THAN 50% UNACCEPTABLE ALL DAY OF WORK DAY OF WORK DAY ALL DAY CONDITIONS:	'TABLE
SOIL CONDITIONS: DRY WET EXTREMELY WET	
EFFECTS OF WEATHER ON MAJOR WORK ITEMS	
MAJOR AND/OR NO EFFECT ALL EFFECTED LESS THAN EFFECTED MORE NO	O WORK L DAY
PHOTO INFORMATION: NUMBER OF PHOTOS TAKEN:	
PHOTO ID NUMBERS	
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VISITORS:	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/11/2010	Saturday	NO. 160 OF 215

GENERAL COMMENTS:	No work was performed.	<u></u> .			
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PROJECT INSPECTOR:	DATE:		HOURS AT JOB	SITE	TOTAL HOURS
	<del></del>		FROM	TO	****



CONTRACT NAME:	COI	NTRACT NO:	DATE:		DAY OF WI		CONTRACT DAY NO. 161 OF 215
SWM PHASE 3 EXPANS	To year of the	CON	TRACTOR INF	ORMATION		44) 410 (4) %	
CONTRACTOR: COMANO	O ENVIR	ONMENTAL CON	STRUCTION	CORPORATIO	N		
SUBCONTRACTORS:					-		
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	ODEDATE	ON AND LOCAT	IONI W	galeen viide teloonings, stijd o	BEGIN		(AM/PM) ENDING
	OPERATI	ON AND LOCAT	ION		elen Gean	IIVIIVG	S. COMMENSAGE
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PERSUNNEL	, INO	WORKED	16 3 4 2	, MA	TENIALSINEC		
SUPERVISOF							
FOREMAN				·····			
SKILLED							
TRUCK DRIVERS		-					
LABOF MECHANIC			<u> </u>				
GEOTECHNICAL TECH		<u> </u>					
GLOTEOTIVIOAL TEOT		<u> </u>	1				=
		EQ	UIPMENT (AC	TIVE/IDLE)	49-440-70-V		
A	a cus A	EQ	Α	te e en en en en en en en en en en en en		Α	
BULLDOZER		SURVEYING E	QUIPMEN				
FRONT END LOAD	ER	GPS BASE ST	ATION				
GENERATOR						_	
PUMP							
ROLLER, STEEL W		<del> </del>		<u> </u>		_	
TRACTOR, SKID S TRUCK, DUMP	IEEK			-			
TRUCK, PICKUP	<del></del>		<del></del>	<del></del>			
TRUCK, WATER		·				-	- 11.15.50
TRUCK, FUEL							
TRACKHOE				· · ·			
	<del> '.</del>						
		CONTRACT	QUANTITY II	ICREASES TO	DAY	Contracts	Taran Madamatan Salah
ITEM NO.	ITEM		QUANTITY		REMARKS AN	ID CALC	ULATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/12/2010	Sunday	NO. 161 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	HIGH	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
	NONE SLIGHT ID SPEED: MP	STRONG H WIND DIRECTION:	not rec	orded
19		ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ET	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/12/2010	Sunday	NO. 161 OF 215

GENERAL COMMENTS:	No work was performed.		
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PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
THOULDT INOI LOTON.	DATE.	FROM TO	TOTALTIOUNG



ONTRACT NAME:			NTRACT NO:		WOTIK	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXP			ITB 040-10		13/2010	Monday	NO. 162 OF 215
			CONTE	RACTOR INFO			102 01 210
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			CONTRACT Q	UANTITY INC	REASES TO	DAY	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/13/2010	Monday	NO. 162 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	45 HIGH 39	LOW TEMPER	NATURE RESTRICTION N	
WIND: [ WII	NONE SLIGHT  ND SPEED: 15-20 MP	X STRONG H WIND DIRECTION:		NW
1:	ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT SOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK 1	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED M THAN 50% OF V	
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NUMBER OF PHOTOS	.augustina.v	DINFORMATION:		
		O ID NUMBERS		
12/13/2010				
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			<del></del>	
VISITORS: Gaduette Electric				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/13/2010	Monday	NO. 162 OF 215

GENERAL COMMEN and sold to landfill. N	NTS: Crew spent day o Mulch was spread on n	cleaning up small items arou orth slope of phase 2.	und site. Stockpile of rock for	the sump area was weighed
	•	. ,		
PROJECT INSPECT	OP: 1	DATE:	HOLIDS AT IOD SITE	TOTAL LIQUIDS
Richard Neptune	On. I	12/13/10	HOURS AT JOB SITE FROM 6:30 TO 1	TOTAL HOURS 5:30 9



CONTRACT NAME:	CON	NTRACT NO:			DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSI					Tuesday	NO. 163 OF 215
CONTRACTOR: COMANC			STRUCTION CORF	PORATION		
SUBCONTRACTORS: C	pastal Con	crete				
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		<del>.</del>				
		·			Sec. 375 Full Sec. TIME	(AM/PM)
	PERATIO	ON AND LOCATION	NC			ENDING
					7:00 AM	3:30 PM
PERSONNEL	NO	HOURS	<b>全国人的</b>	MAT	ERIALS RECEIVED	
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A   BULLDOZER		<b>EQU</b> SURVEYING EC	A	DLE)	선생님 아이들이 살아지는 그들은 그를 받는다.	
	A		A QUIPMEN	water all and are	선생님 아이들이 살아지는 그들은 그를 받는다.	
BULLDOZER	A	SURVEYING EC	A QUIPMEN	water all and are	선생님 아이들이 살아지는 그들은 그를 받는다.	
BULLDOZER FRONT END LOADE GENERATOR PUMP	R	SURVEYING EC	A QUIPMEN	water all and are	선생님 아이들이 살아지는 그들은 그를 받는다.	
BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL W	R HEEL	SURVEYING EC	A QUIPMEN	water all and are	선생님 아이들이 살아지는 그들은 그를 받는다.	
BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WI TRACTOR, SKID ST	R HEEL	SURVEYING EC	A QUIPMEN	water all and are	선생님 아이들이 살아지는 그들은 그를 받는다.	
BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID ST	R HEEL	SURVEYING EC	A QUIPMEN	water all and are	선생님 아이들이 살아지는 그들은 그를 받는다.	
BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WI TRACTOR, SKID ST TRUCK, DUMP A TRUCK, PICKUP	R HEEL	SURVEYING EC	A QUIPMEN	water all and are	선생님 아이들이 살아지는 그들은 그를 받는다.	
BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WI TRACTOR, SKID ST TRUCK, DUMP A TRUCK, PICKUP TRUCK, WATER	R HEEL	SURVEYING EC	A QUIPMEN	water all and are	선생님 아이들이 살아지는 그들은 그를 받는다.	
BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WI TRACTOR, SKID ST TRUCK, DUMP A TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL	R HEEL	SURVEYING EC	A QUIPMEN	water all and are	선생님 아이들이 살아지는 그들은 그를 받는다.	
BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WI TRACTOR, SKID ST TRUCK, DUMP A TRUCK, PICKUP TRUCK, WATER	R HEEL	SURVEYING EC	A QUIPMEN	water all and are	선생님 아이들이 살아지는 그들은 그를 받는다.	
BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL WI TRACTOR, SKID ST TRUCK, DUMP A TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R HEEL EER	SURVEYING EC GPS BASE STA	A QUIPMENTION			
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BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID ST TRUCK, DUMP A TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R HEEL EER	SURVEYING EC GPS BASE STA	QUIPMEN TION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION	ASES TOD	A	
BULLDOZER FRONT END LOADE GENERATOR PUMP ROLLER, STEEL W TRACTOR, SKID ST TRUCK, DUMP A TRUCK, PICKUP TRUCK, WATER TRUCK, FUEL TRACKHOE	R HEEL EER	SURVEYING EC GPS BASE STA	QUIPMEN TION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION TO THE POPULATION	ASES TOD	A	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/14/2010	Tuesday	NO. 163 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:			ATURE RESTRICTION SPECIFICATION NO	
	NONE X SLIGHT ID SPEED: 5 MP	STRONG "H WIND DIRECTION:	N	W
15	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF WO	
	х			
NUMBER OF PHOTOS	eta ela para del parte del como de la como de la como de la como de la como de la como de la como de la como d	DINFORMATION:		
	РНОТ	O ID NUMBERS		
12/14/2010				
	<del>-</del>			
<u> </u>		<del></del>		
VISITORS: Troy Watral (Coman	co)			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/14/2010	Tuesday	NO. 163 OF 215

GENERAL COMMENTS: Coastal concr manifold parts were laid out. List was m	rete was onsite typing uprights in lade of additional parts needed.	the forms for the box culvert and he	eadwall. Leachate
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/14/10	FROM 6:30 TO 15:30	9



	RACT NAME:	Ico	DESC	DATE:		DAY OF V	VEEK.	CONTRACT DAY
	I PHASE 3 EXPANSION			1	2/15/2010	1	nesday	NO. 164 OF 215
			CONTRA					
CONT	RACTOR: COMANCO E	NVIR	ONMENTAL CONST	RUCTION	CORPORATIO		24424 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>
	ONTRACTORS: Coast							
		-					_	
<u></u> πνε κίδ	egri de estrajo es egri - 70 Majort e o obi <u>la</u>			=			TIME	(AM/PM)
	11, 17, 12, 14, 14, 17, 17, 17, 17, 17, 17, 17, 17, 17, 17	RATI	ON AND LOCATION					ENDING
Coasta	al Concrete		<del></del>			7:0	00 AM	3:30 PM
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			<del></del>					
i Tagline.		SAJORES.	HOURS	gagagainan yak ^{ka}	Partures section		t falka dalah	erar Klarica, Sindia er Ske
	PERSONNEL	NO	WORKED		MA	TERIALS RE	CEIVED	
, Auri G. Stori Speter	SUPERVISOR	<u> </u>	8	<u>e ti ki kuanta lista</u>	minutes they same that	TERAL COLLEGE	<u>anga dipangan</u> an 1	en er en en en en en en en en en en en en en
	FOREMAN							
	SKILLED	3	8	•			_	
	TRUCK DRIVERS							
	LABOR							
	MECHANIC							<del></del>
GE	OTECHNICAL TECH					·		
					IVE/IDLE)			
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27 28 28 ED	BULLDOZER	<b>-</b>	SURVEYING EQU GPS BASE STATION		-			
	IEDONIT END LOADED							i
	FRONT END LOADER	┿	GPS BASE STATI	714	<del>                                       </del>			
	GENERATOR		GFS DASE STATI	214	-			
	GENERATOR PUMP		GFS BASE STATIO	JIV				
	GENERATOR PUMP ROLLER, STEEL WHEE		GFS BASE STATIO	JIV				
	GENERATOR PUMP ROLLER, STEEL WHEE TRACTOR, SKID STEEF		GFS DASE STATIO					
	GENERATOR PUMP ROLLER, STEEL WHEE TRACTOR, SKID STEEF TRUCK, DUMP		UFS DASE STATION	JIV				
A	GENERATOR PUMP ROLLER, STEEL WHEE TRACTOR, SKID STEEF TRUCK, DUMP TRUCK, PICKUP		UFS DASE STATION	JIV				
	GENERATOR PUMP ROLLER, STEEL WHEE TRACTOR, SKID STEEF TRUCK, DUMP		UFS DASE STATION					

CONTRACT QUANTITY INCREASES TODAY								
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
N/A	N/A	N/A						
			-					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/15/2010	Wednesday	NO. 164 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	53 HIGH 26	LOW TEMPER	ATURE RESTRICTION NO	
lea e	NONE X SLIGHT OF SPEED: 5 MP	STRONG  WIND DIRECTION:		N
15	ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	]0-2 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
	x			
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NUMBER OF PHOTOS		D INFORMATION:		
NOMBER OF THOTOS		O ID NUMBERS		
12/15/2010				
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				<u></u>
,			<del></del>	
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/15/2010	Wednesday	NO. 164 OF 215

work crews, supervised by county and la	ete was onsite to ndfill employees.	finish tying the Mulch from lar	steel in box culver ndfill was placed or	t. Tires placed on north slope of F	n rain tarp by inmate Phase 2 to help prevent
erosion.					
1					
				*	
			<del>.</del>		
PROJECT INSPECTOR:	DATE:	<del></del>	HOURS AT JOB	SITE	TOTAL HOURS
Richard Neptune	12/15/	10	FROM 6:30	TO 15:30	9



CONTRACT NAME: SWM PHASE 3 EXPANSION		ACT NO: TB 040-10		6/2010	DAY OF WEEK: Thursday	
	arto, y tur	CONT	RACTOR INFOR	MATION	A VERY LANGE	**************************************
CONTRACTOR: COMANCO E SUBCONTRACTORS:						
Estate for a porture control of the world of the	EDATION /	NOR TO ATI				IME (AM/PM)
OPI	-HATION A	INDECCAR	/N		BEGINNIN	G ENDING
		HOURS			1768 5450 Bro 1782 A - 56 SE	
PERSONNEL	AIM SECTION OF SECTION	WORKED		MAT	ERIALS RECEIVE	ΞD
SUPERVISOR	1	8	A C. 1917-1919-1919-1919-1919 Service D	A - 972.84 Little St. Bride Shine	The group to the bill of the beautiful the travers — Free-	male constitutional transfer of the A. Mrs.
FOREMAN						
SKILLED	3	8		-		
TRUCK DRIVERS						
LABOR					· · · · · · · · · · · · · · · · · · ·	
MECHANIC						
GEOTECHNICAL TECH						
A	A	EQUI	PMENT (ACTIV A	E/IDLE)	A	
BULLDOZER	T Isu	RVEYING EQ	JUPMEN	Will Bridge Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carlot Carl		<u> </u>
FRONT END LOADER		S BASE STAT				
GENERATOR	1	<u> </u>	+ +			
PUMP	+ +					
ROLLER, STEEL WHEE	al I			***		
TRACTOR, SKID STEE						
TRUCK, DUMP						
A TRUCK, PICKUP						
TRUCK, WATER						
TRUCK, FUEL						
A TRACKHOE						
		CONTRACT (	DUANTITY INCE	EASES TOD	ΔΥ	
					A PROPERTY OF THE PARTY OF THE PARTY.	
ITEM NO.	ITEM		UANTITY		EMARKS AND CA	

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
N/A	N/A	N/A				
		<del>- </del>				
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/16/2010	Thursday	NO. 165 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	53 HIGH 26	LOW TEMPER	ATURE RESTRICTION NO	
	NONE X SLIGHT ND SPEED: 5 MP	STRONG WIND DIRECTION:		N .
15	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: X	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	18 A SURVEY OF A PURPLY OF TANKEN TO VEHICLE	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO	
	X			
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	ENDER AND CONTRACTOR STANDS IN THE TRACTOR OF SERVICE CO.	O INFORMATION:		
NUMBER OF PHOTOS				
12/16/2010	тонч	O ID NUMBERS		<del></del>
-			<del></del>	
VISITORS: Dominique Bramlett	(SCS), Mark Thomas (Cou	enty surveyor)		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/16/2010	Thursday	NO. 165 OF 215

GENERAL COMMENTS: area.	GPS as-built on floor and	rim of cell was done by	county survey crew.	Comanco cr	ew cleaned up storage
alea.					
					·
PROJECT INSPECTOR:	DATE:	1	JOURS AT JOR O'T	· · · ·	TOTAL HOURS
Richard Neptune			HOURS AT JOB SITE FROM 6:30 TO	15:00	TOTAL HOURS 8.5
riionara iveptune		LI 10/10	10W10	15.00	0.0



i i					I OF WORK		
CONTRACT NAME: SWM PHASE 3 EX	XPANSIC	N	NTRACT NO: ITB 040-10	DATE	12/17/2010	DAY OF WEEK: Friday	CONTRACT DAY NO. 166 OF 215
CONTRACTOR: CONTRACTOR	OMANCO		CON ONMENTAL COI			DN	
		DEBATI		ION		TIME BEGINNING	(AM/PM)
					<u> </u>	S DECINIVING.	ENDING
PERSONNEL		NO	HOURS WORKED		W	ATERIALS RECEIVED	
FOI	RVISOR REMAN KILLED	2	5				
	LABOR CHANIC						
TSST CONTRACTOR SERVICES	- Table 1	A	EQ	UIPMENT (A	CTIVE/IDLE)	A	
BULLDOZEF FRONT END GENERATO	R LOADE		SURVEYING E GPS BASE ST	QUIPMEN			
PUMP ROLLER, ST TRACTOR, S	TEEL WH						
TRUCK, DUI A TRUCK, PIC TRUCK, WA	MP KUP						
TRUCK, FUE TRACKHOE	EL						
ITEM NO.		ITEM		QUANTITY QUANTITY	INCREASES TO	DAY REMARKS AND CALC	ULATIONS
N/A	N/A			N/A			
							<del></del>



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/17/2010	Friday	NO. 166 OF 215
WEATHER CONDITIONS: X	]CLEAR	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	65 HIGH 34	LOW TEMPER	RATURE RESTRICTION NO	
	NONE SLIGHT ID SPEED: 5 MP	STRONG H WIND DIRECTION:	N	ıw
15	ND RAINFALL: ST		SHOWERS END: END: a hours	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: X	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	e <b>r</b>	
	EFFECTS OF WEAT	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MC THAN 50% OF W	
	х			
NUMBER OF PHOTOS	Pri Prima a Maderia Da sandrinica ciali ci≃78.	O INFORMATION:		
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	<del> </del>		<del></del>	
VISITORS:			.,	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/17/2010	Friday	NO. 166 OF 215

SENERAL COMMENTS:	Comanco had a transport onsite to remo	ove equipment. Co	oncrete crew called off p	our for today. Will do it
л ічіопаау.				
PROJECT INSPECTOR:	DATE:	HUI IDG V	T JOB SITE	TOTAL HOURS
Pichard Montune	DATE.		6:30 TO 13:30	FOURT HOURS



CONTRACT NAME:	loos	D	ESCRIPTION		In a week	Table 1
CONTRACT NAME: SWM PHASE 3 EXPANSION					DAY OF WEEK:	
SWINI FRASE 3 EXPANSION	N	ITB 040-10	TRACTOR IN	12/18/2010 JEORMATION	Saturday	JNO. 167 OF 215
CONTRACTOR: COMANCO SUBCONTRACTORS:						
o o	PERATIC	ON AND LOCAT	TION .		TIME BEGINNING	(AM/PM)
PERSONNEL	NO	HOURS		i baasa Mu	ATERIALS RECEIVED	
SUPERVISOR		WORKED				
FOREMAN						
SKILLED						
TRUCK DRIVERS						
LABOR						
MECHANIC						
GEOTECHNICAL TECH				<del></del>		<u></u>
A	Α	EQ	UIPMENT (A	CTIVE/IDLE) A	<b>A</b>	
BULLDOZER		SURVEYING E				
FRONT END LOADER		GPS BASE ST	ATION			
GENERATOR PUMP	_				<u> </u>	
ROLLER, STEEL WHE	EL				<del>-   -  </del>	
TRACTOR, SKID STE						
TRUCK, DUMP						
TRUCK, PICKUP						
TRUCK, WATER						
TRUCK, FUEL TRACKHOE						
		L		<u></u>		
ITEM NO.	ITEM	CONTRACT	QUANTITY QUANTITY	INCREASES TO	DDAY REMARKS AND CALC	<u> </u>
			<del>donin'i</del>		TIEMATINO AND OALO	CLATIONO
				<del> </del>	. <u>-</u>	
						<u></u>
		I	<del></del>			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/18/2010	Saturday	NO. 167 OF 215
WEATHER CONDITIONS: [	CLEAR PARTL	Y CLOUDY HEA	NVY CLOUDS	FOG
TEMPERATURE:	HIGH	LOW TEMPER	RATURE RESTRICTION NO	
	□NONE □SLIGHT ND SPEED: MP	STRONG H WIND DIRECTION:	not re	ecorded
1	ND RAINFALL: ST.	ART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	ccurred during non-workin 4-6 HRS	g nours  ALL DAY	
WORKING CONDITIONS:	EXCELLENTGOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	DRY WET	EXTREMELY WE	ΞΤ	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
	_ 🗆			
	_ 🗆			
	_ 🗆			
_ ,	_ 🗆			
NUMBER OF PHOTOS	Filebook Filebook Pilling State Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Cont	DINFORMATION:		
	РНОТ	O ID NUMBERS		
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		<u> </u>	<del></del>	
VISITORS:	nastina a			



GENERAL COMMENTS: No work was performed.

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/18/2010	Saturday	NO. 167 OF 215

JECT INSPECTOR:	DATE:	HOURS AT JOB SITE FROM TO	TOTAL HOURS
	<del></del>		<del></del>



R: COMANCO	DENVIRO	CONDINUENTAL CO	ITRACTO NSTRUCT	TE: 12/19/2010 R INFORMATION FION CORPORATIO	S. C. L. S. C. TIME	CONTRACT DAY NO. 168 OF 215  (AM/PM) ENDING
R: COMANCO	PERATIC	CONDINUENTAL CO	NSTRUCT	R INFORMATION FION CORPORATIO	N TIME	(AM/PM)
R: COMANCO	PERATIC	ONMENTAL CO	NSTRUC	FION CORPORATIO	S. C. L. S. C. TIME	(AM/PM)
CTORS:	PERATIC				S. C. L. S. C. TIME	
NNEL C		ON AND LOCAT	ION			
NNEL		ON AND LOCAT	ION			
NNEL		ON AND LOCAT	ION			
NNEL		ON AND LOCAT	ION			
NNEL		ON AND LOCAT	TON			
NNEL		ON AND LOCAT	ION			
NNEL					220	
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	Turi es & v					
	Contract 1					<del></del>
	NO	HOURS			TEDIALO DEGENER	
	NO	WORKED		MA	TERIALS RECEIVED	
UPERVISOR						
FOREMAN						
SKILLED						
VICAL TECH			<u> </u>			
		EQ	UIPMENI	(ACTIVE/IDLE)		
,	ಿಕ್ಟ್ರಿಗಿ <b>A</b> ≗				stati i sasti i si di A	
				N		
	<u> </u>	GFS BASE ST	ATION .	++	<u> </u>	
					<del></del>	
	IFFI			<del>                                     </del>		
				<u> </u>		
C, WATER						
K, FUEL						
HOE						
					•	
	ITEM		QUANTIT	Υ	REMARKS AND CALC	ULATIONS
					· · · · · · · · · · · · · · · · · · ·	
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		<del></del>			<del></del>	
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	UPERVISOR FOREMAN SKILLED CK DRIVERS LABOR MECHANIC NICAL TECH OZER FEND LOADE RATOR R, STEEL WH	UPERVISOR FOREMAN SKILLED CK DRIVERS LABOR MECHANIC VICAL TECH  FOZER FEND LOADER RATOR COR, SKID STEER K, DUMP K, PICKUP K, FUEL KHOE	UPERVISOR FOREMAN SKILLED CK DRIVERS LABOR MECHANIC NICAL TECH  OZER FEND LOADER GPS BASE ST RATOR  R, STEEL WHEEL OR, SKID STEER K, DUMP K, PICKUP K, WATER K, FUEL CONTRACT	FOREMAN SKILLED CK DRIVERS LABOR MECHANIC NICAL TECH  FOREMAN  A FOZER FEND LOADER GPS BASE STATION FOR SKID STEER K, DUMP K, PICKUP K, WATER K, FUEL CHOCK CONTRACT QUANTI	FOREMAN SKILLED CK DRIVERS LABOR MECHANIC NICAL TECH  EQUIPMENT (ACTIVE/IDLE) A A  OZER FEND LOADER GPS BASE STATION RATOR GR, STEEL WHEEL OR, SKID STEER K, DUMP K, PICKUP K, WATER K, FUEL CHOE  CONTRACT QUANTITY INCREASES TO	UPERVISOR FOREMAN SKILLED CK DRIVERS LABOR MECHANIC NICAL TECH   EQUIPMENT (ACTIVE/IDLE) A A A OZER FEND LOADER GPS BASE STATION RATOR  R, STEEL WHEEL OR, SKID STEER C, DUMP C, PICKUP C, WATER C, FUEL CHOE  CONTRACT QUANTITY INCREASES TODAY



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/19/2010	Sunday	NO. 168 OF 215
WEATHER CONDITIONS: [	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	HIGH	LOW TEMPER	RATURE RESTRICTION NO SPECIFICATION NO	
WIND: [ W	NONE SLIGHT ND SPEED: MP	STRONG "H WIND DIRECTION:	not rec	corded
1		ART:	END:	RAIN IN GUAGE
RAIN DURATION: [	0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	g nours  ALL DAY	
WORKING CONDITIONS: [	EXCELLENTGOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: [	DRY WET	EXTREMELY WE	T	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	•		
		· 📙		
<del></del>				
NUMBER OF PHOTOS	A CARAGORIA GRADA - SET NOVA POSTO O SA SARAR AR	O INFORMATION:		
		FO ID NUMBERS		
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/19/2010	Sunday	NO. 168 OF 215

GENERAL COMMENTS:	No work was performed.	1,000	
	•		
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
		FROM TO	



	DESCR	IPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/20/2010	Monday	NO. 169 OF 215
	CONTRAC	TOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS: Coasta	l Concrete, PSI			, <u>, , , , , , , , , , , , , , , , , , </u>
			IE.:	
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
West rim of cell at box culvert	··		7:00 AM	3:30 PM
PSI same as above			7:00 AM	9:00 AM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	8	
FOREMAN	. 1	8	
SKILLED	2	8	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	5	

A		EQUIPMENT (ACTIVE/IDLE) A A A
	BULLDOZER	SURVEYING EQUIPMEN
	FRONT END LOADER	GPS BASE STATION
	GENERATOR	
	PUMP	
	ROLLER, STEEL WHEEL	
A	TRACTOR, SKID STEER	
	TRUCK, DUMP	
Α	TRUCK, PICKUP	
	TRUCK, WATER	
	TRUCK, FUEL	
	TRACKHOE	

CONTRACT QUANTITY INCREASES TODAY					
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS		
N/A	N/A	N/A			
12					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/20/2010	Monday	NO. 169 OF 215
WEATHER CONDITIONS: X	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	55 HIGH <u>30</u>	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
<b></b>	NONE SLIGHT OF SPEED: 5 MP	STRONG H WIND DIRECTION:	N	E
15	ND RAINFALL: ST.		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: X	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI	
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, <u>, , , , , , , , , , , , , , , , , , </u>				
NUMBER OF PHOTOS		D INFORMATION:		
	РНОТ	O ID NUMBERS		
12-20-10 PHOTOS				
		<del></del>	<u> </u>	
<del> </del>	<del>-</del>			
	<del></del>			
<u> </u>	L	I	<u> </u>	
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/20/2010	Monday	NO. 169 OF 215

were removed by end of the day. and on west side of main road.	PSI was onsite to do slump tests	and take samples on concrete. Grading	g on the north rim of cell
PROJECT INSPECTOR: Richard Neptune	DATE: 12/20/10	HOURS AT JOB SITE FROM 6:30 TO 15:30	TOTAL HOURS 9



	DESC	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
<b>SWM PHASE 3 EXPANSION</b>	ITB 040-10	12/21/2010	Tuesday	NO. 170 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	VIRONMENTAL CONSTR	RUCTION CORPORATIO	V	
SUBCONTRACTORS: PSI, Be	erglund construction servic	es		<del>.</del>
	<del></del>			
	2			
	- <del> </del>		· <del></del>	
			TIME (	AM/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
North and west rim of cell	<del></del>		8:00 AM	8:15 AM
Picked up concrete samples			9:30 AM	12:30 PM
	·	****		
			—- <del>L</del>	<u></u>
	HOURS	25 (4.2.1) 42.5		The second second

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	6	
FOREMAN	1	8	
SKILLED	2	8	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	0.25	

Α.		Α	EQUIPMENT (	(ACTIVE/IDLE) A		
	BULLDOZER		SURVEYING EQUIPMEN			
	FRONT END LOADER	Α	GPS BASE STATION			
	GENERATOR					<u></u>
	PUMP					7
	ROLLER, STEEL WHEEL	,		******		
	TRACTOR, SKID STEER					
	TRUCK, DUMP					
Α	TRUCK, PICKUP					1
	TRUCK, WATER					
	TRUCK, FUEL					1
Α	TRACKHOE				~	

CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS			
N/A	N/A	N/A				
			•			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/21/2010	Tuesday	NO. 170 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	66 HIGH <u>31</u>	LOW TEMPER	RATURE RESTRICTION NO	
	NONE X SLIGHT ND SPEED: 5 MP	STRONG "H WIND DIRECTION:		w
1:	ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF V	
	x			
	_ 🗆			
NUMBER OF PHOTOS	ESTERATOR AND CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF TH	O INFORMATION:		
	РНОТ	O ID NUMBERS		
12-21-10 PHOTOS				
	<del>-</del>			
<u> </u>				
VISITORS:				
VIGITORO.				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/21/2010	Tuesday	NO. 170 OF 215

concrete samples taken yesterday. Ber Access road was also staked.	w graded north rim of slope so it glund construction services was	will be ready for sod. PSI rep was onsite to layout the swale on the no	onsite to collecte the orth and part of west rim.
PROJECT INSPECTOR: Richard Neptune	DATE: 12/21/10	HOURS AT JOB SITE FROM 6:30 TO 15:30	TOTAL HOURS 9



ONTRACT NAME:	Ico	NTRACT NO:	CRIPTION OF WORK	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSIO		ITB 040-10	12/22/2010	Wednesday	NO. 171 OF 215
CONTRACTOR: COMANCO	ENVIR	ONMENTAL CONS	TRUCTION CORPORA	ATION	<u> </u>
	astal Cor			<del></del>	
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					- · · · · · · · · · · · · · · · · · · ·
2 1 20 18 10 18 10 10 10 10 10 10 10 10 10 10 10 10 10			22 17 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	J. P. State TIME	(AM/PM)
0			N		
ox culvert and headwalls on	west rim	of cell		9:00 AM	5:30 PM
					<del></del>
og Market Government	Har vereing	HOURS	아 시상하는 사용했다. 그래나 의 시	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	or the second of an area.
PERSONNEL	NO	WORKED		MATERIALS RECEIVED	이 가장한 가장 나는 다음 이 보이라이 아니라 나를
SUPERVISOR	<u>1. 3-40006</u> 1	6	erint ere i Mitter på er i Mitter fatte for åre	#####################################	<u>Samuraya a</u> ur Ayaga - 16241 -
FOREMAN	1	10.5			
SKILLED	'	10.5			
TRUCK DRIVERS		<del>-</del>			<u> </u>
LABOR					
MECHANIC		1			
GEOTECHNICAL TECH		T		· · · · · · · · · · · · · · · · · · ·	****
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			PMENT (ACTIVE/IDLE)		
A	Α		Α	Α	
BULLDOZER		SURVEYING EQ			
FRONT END LOADER	7	GPS BASE STAT	TION		
GENERATOR					
PUMP					
ROLLER, STEEL WH					
TRACTOR, SKID STE	ER				
TRUCK, DUMP					
TRUCK, PICKUP		ļ			<del></del> -
TRUCK, WATER					
TRUCK, FUEL		<u></u>			
TRACKHOE		<u> </u>			
	o nga mga Bernya	CONTRACTO	NIANTITY INODE A OF O	FARMS OF STREET	Service and the service of
ITEM NO.	ITEM		UANTITY INCHEASES	TODAY	
TIEW NO.	I I E IVI	- G	UANTIT	REMARKS AND CALC	ULATIONS
N/A N/A		İ	N/A		
IVA IVA			19/74		<del></del>
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/22/2010	Wednesday	NO. 171 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	x FOG
TEMPERATURE: _	63 HIGH 30	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO	
WIND: WII	NONE X SLIGHT ND SPEED: 10 MP	STRONG WIND DIRECTION:	v	v
1:	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENTX GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT		TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS		1 EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI	
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	PHOTO	O INFORMATION:		
NUMBER OF PHOTOS				
12-22-10 PHOTOS	РНОТ	O ID NUMBERS		
	_		<del> </del>	
L				
VISITORS:				<del></del>



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/22/2010	Wednesday	NO. 171 OF 215

Tuesday.	Coastal concrete was of	nsite putting form boar	as on the neadwalls.	Prepairing for	concrete pour on
				•	
PROJECT INSPECTOR: Richard Neptune	DATE:	12/22/10	HOURS AT JOB SI FROM 6:30	TE TO 18:00	TOTAL HOURS 11
- nondra Noptune		ILICATO	1 HOIVI 0.30	10:00	1.1



		DE	SCRIPTION O			
CONTRACT NAME:		NTRACT NO:		1/22/2010	DAY OF WEEK:	CONTRACT DAY NO. 172 OF 215
					JNO. 172 OF 213	
CONTRACTOR: COMANCO						The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/23/2010	Thursday	NO. 172 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	HIGH	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO.	
	NONE SLIGHT SPEED: MP	STRONG "H WIND DIRECTION:	not rec	orded
1.	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	_EXCELLENTGOOD	FAIR	POOR	BAD
DURATION OF CACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ET .	
	EFFECTS OF WEAT		TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY		
VP.				
NUMBER OF PHOTOS		O INFORMATION:		
		O ID NUMBERS		
		<del></del>	J L	
VISITORS:	, - 17 - 12 de			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/23/2010	Thursday	NO. 172 OF 215

GENERAL COMMENTS:	No work was performed.			
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PROJECT INSPECTOR:	DATE:	HOURS AT	JOB SITE	TOTAL HOURS
		FROM		



CONTRACT NAME:	<del></del>	D	ESCRIPTIO	N OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANS					DAY OF WEEK: Friday	1
CONTRACTOR: COMANG						
SUBCONTRACTORS:						
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<u> </u>	OPERA	TION AND LOCAT	ION	<u> </u>	BEGINNING	ENDING
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PERSONNEL	NO	HOURS			ATEDIAL O DECEMED	
PERSONNEL	INO	WORKED		IVIV	ATERIALS RECEIVED	
SUPERVISOR			<u>                                     </u>			
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TRUCK DRIVERS			<u> </u>			
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GENERATOR						
PUMP						
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TRACTOR, SKID S	TEER					
TRUCK, DUMP TRUCK, PICKUP						
TRUCK, PICKUP						
TRUCK, FUEL						
TRACKHOE		— <del> </del>			<del></del>	
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	s or thought	CONTRACT	QUANTITY	Y INCREASES TO	DDAY	
ITEM NO.	ITE	EM	QUANTITY		REMARKS AND CALC	ULATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY			
SWM PHASE 3 EXPANSION	ITB 040-10	12/24/2010	Friday	NO. 173 OF 215			
WEATHER CONDITIONS:	CLEAR PARTI	LY CLOUDY HEA	VY CLOUDS	Fog			
TEMPERATURE: _	HIGH	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO				
L-	NONE SLIGHT OF SPEED: MF	STRONG  PH WIND DIRECTION:	not rec	orded			
	ND RAINFALL: ST	TART:	END:	RAIN IN GUAGE			
RAIN DURATION:	Not recorded as rain of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the se	occurred during non-working 4-6 HRS	nours ALL DAY				
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD			
DURATION OF CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY			
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т				
	EFFECTS OF WEAT	THER ON MAJOR WORK I	TEMS				
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF WO				
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NUMBER OF PHOTOS	1000-1000-1000-1000-1000-1000-1000-1000-1000-1	O INFORMATION:					
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VISITORS:							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/24/2010	Friday	NO. 173 OF 215

GENERAL COMMENTS:	No work was performed.		
}			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
		FROM TO	



	· · ·				ON OF WORK	· · · · · · · · · · · · · · · · · · ·		
CONTRACT NAME: SWM PHASE 3 EXPANS			ITRACT NO:			DAY OF		CONTRACT DAY
SWIM PRASE 3 EXPANS					12/25/2010		turday	NO. 174 OF 215
CONTRACTOR: COMAND						DN		
	OPER	ATIC	ON AND LOCAT	ION				(AM/PM) ENDING
PERSONNEL	N ₀	0	HOURS WORKED		M.	ATERIALS RI	CEIVED	
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ITEM NO.		ЕМ		QUANTIT		REMARKS A		II ATIONS
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	_CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/25/2010	Saturday	NO. 174 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	HIGH	LOW TEMPER	RATURE RESTRICTION NO	
L	NONE SLIGHT  ND SPEED: MP	STRONG "H WIND DIRECTION:	not re	corded
1		ART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	_EXCELLENTGOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF PHOTOS		O INFORMATION:		
	PHO	O ID NUMBERS		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/25/2010	Saturday	NO. 174 OF 215

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE FROM TO	TOTAL HOURS
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GENERAL COMMENTS: No wor	k was performed.		



CONTRACT NAME			DES		:	DAY OF	WEEK:	CONTRACT DAY
SWM PHASE 3 E							unday	NO. 172 OF 215
CONTRACTOR:							*	
SUBCONTRACTO	RS:							
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/26/2010	Sunday	NO. 172 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	HIGH	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO	
	NONE SLIGHT SPEED: MP	STRONG "H WIND DIRECTION:	not rec	orded
1:		ART:	END:	RAIN IN GUAGE
RAIN DURATION:	o-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	g nours ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract o	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	1 EFFECTED LESS THAN 50% OF WORK DAY		
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/26/2010	Sunday	NO. 172 OF 215

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
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CONTRACT NAME:			ITRACT NO:			DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPA				12/27		Monday	NO. 176 OF 215
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CONTRACTOR: COMP SUBCONTRACTORS:			<del></del>	STRUCTION COR	RPORATION		·
SUBCONTRACTORS:	Coasi	al Con	crete				
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		RATIC	N AND LOCATIO	)N			ENDING
West rim of cell at box cu	livert					9:00 AM	5:30 PM
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		. grade say	HOURS				
PERSONNEL		NO	WORKED		MATI	ERIALS RECEIVED	
SUPERVIS	OR	1	8				
FOREM		1	8				
SKILL		2	8				
TRUCK DRIVE	-						
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A BULLDOZER	·		SURVEYING EC	UIPMEN			
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PUMP			Ì			1 1	
ROLLER, STEEL							
TRACTOR, SKIE							
TRACTOR, SKIE TRUCK, DUMP	STEE						
TRACTOR, SKIE TRUCK, DUMP A TRUCK, PICKUF	STEE						
TRACTOR, SKIE TRUCK, DUMP A TRUCK, PICKUF TRUCK, WATER	STEE						
TRACTOR, SKIE TRUCK, DUMP A TRUCK, PICKUF TRUCK, WATEF TRUCK, FUEL	STEE						
TRACTOR, SKIE TRUCK, DUMP A TRUCK, PICKUF TRUCK, WATEF TRUCK, FUEL	STEE						
TRACTOR, SKIE TRUCK, DUMP A TRUCK, PICKUF TRUCK, WATEF TRUCK, FUEL A TRACKHOE	STEE	R					
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TRACTOR, SKIE TRUCK, DUMP A TRUCK, PICKUF TRUCK, WATEF TRUCK, FUEL A TRACKHOE	STEE	R		UANTITY			
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TRACTOR, SKIE TRUCK, DUMP A TRUCK, PICKUF TRUCK, WATEF TRUCK, FUEL A TRACKHOE	STEE	R		UANTITY			
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TRACTOR, SKIE TRUCK, DUMP A TRUCK, PICKUF TRUCK, WATEF TRUCK, FUEL A TRACKHOE	STEE	R		UANTITY			
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/27/2010	Monday	NO. 176 OF 215
WEATHER CONDITIONS: X	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	49 HIGH 31	LOW TEMPER	RATURE RESTRICTIO SPECIFICATION NO	
<b></b>	NONE X SLIGHT O-5 MP	STRONG "H WIND DIRECTION:		N
15	ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: X	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MC THAN 50% OF W	
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NUMBER OF PHOTOS	Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro	O INFORMATION:		
NOMBER OF PROTOS		TO ID NUMBERS		
12-27-10 PHOTOS	THOI	NOWBERS		
				-
	<del></del>			
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/27/2010	Monday	NO. 176 OF 215

excavation by the main road for th	e new access road approa	sh to the cell.	access road. Comanco crew be	egaın
		<del></del>		
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SI	TE TOTAL HOURS	

12/27/10

Richard Neptune

FROM 6:30 TO 17:30 11



	DESC	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/28/2010	Tuesday	NO. 177 OF 215
	CONTRA	ACTOR INFORMATION		<b>《自必》</b> 为15年,15年
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONST	RUCTION CORPORATION		
SUBCONTRACTORS: Coasta	l Concrete, PSI			
	<u>,                                     </u>			
	· · · · · · · · · · · · · · · · · · ·		TIME	(AM/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
Box culvert and headwall on north	west rim of slope		7:00 AM	5:30 PM
<del></del>			1	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	8	
FOREMAN	1	8	
SKILLED	2	8	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	1	

A	BULLDOZER	SURVEYING EQUIPMEN	TIVE/IDLE)	A
	FRONT END LOADER	GPS BASE STATION		
A	GENERATOR		7	
	PUMP			
	ROLLER, STEEL WHEEL			
Α	TRACTOR, SKID STEER			
	TRUCK, DUMP			
Α	TRUCK, PICKUP			
	TRUCK, WATER			
	TRUCK, FUEL			
Α	TRACKHOE			1 1

CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
N/A	N/A	N/A					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/28/2010	Tuesday	NO. 177 OF 215
WEATHER CONDITIONS: X	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	58 HIGH 25	LOW TEMPER	RATURE RESTRICTION NO SPECIFICATION NO	
<u> </u>	NONE X SLIGHT ID SPEED: 0-5 MP	STRONG H WIND DIRECTION:	N	w
15	ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	]0-2 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS: X	DRY WET	EXTREMELY WE	ΞT	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
	×	Ш	Ш	Ц
NUMBER OF PHOTOS	n de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia de la Colonia	DINFORMATION:		
	PHOT	O ID NUMBERS		
12-28-10 PHOTOS				
			<del> </del>	
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/28/2010	Tuesday	NO. 177 OF 215

GENERAL COMMENTS: Coastal cond	crete was onsite to pour headwalls for	access road on north west rim.	Started framing for the
box culvert. PSI was onsite to collecte	concrete samples and do slump tests	s. Comanco crew finished 6" HI	OPE pipe stub out and
valve assembly on west side of main ro	pad.		
•			
			•
PDO JEOT MODECTOR	DATE	OUDO AT IOD O'T	TOTAL HOUSE
PROJECT INSPECTOR:		OURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/28/10 F	ROM 6:30 TO 18:00	11.5



SWM PHASE 3 EXPANSION ITB 040-10 12/29/2010 WEDNESDAY NO: 178 OF 219  CONTRACTOR INFORMATION  CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION  SUBCONTRACTORS: COASTAL CONCRETE 1 SUPT, 5 TECH/LABOR GAUDETT ELECTRIC 1 TECH  OPERATION AND LOCATION  COASTAL CONCRETE - REMOVED 24" HEADWALL FORMS  COASTAL CONCRETE - CONTINUED FORMING BOX CULVERT  COASTAL CONCRETE - POURING BOX CULVERT  1:30 PM  3:30 PM		100	DI	ESCRIP'	TION OF WORK		
CONTRACTOR INFORMATION  CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION  SUBCONTRACTORS: COASTAL CONCRETE 1 SUPT, 5 TECH/LABOR GAUDETT ELECTRIC 1 TECH   TIME (AM/PM)  OPERATION AND LOCATION BEGINNING ENDING  COASTAL CONCRETE - REMOVED 24" HEADWALL FORMS 7:00 AM 10:30 AM  COASTAL CONCRETE - CONTINUED FORMING BOX CULVERT 7:00 AM 1:00 PM  COASTAL CONCRETE - POURING BOX CULVERT 1:30 PM 3:30 PM  COMANCO INSTALLING 24" RCP 1:30 PM 3:30 PM  PERSONNEL NO HOURS WORKED  SUPERVISOR 1 8  FOREMAN 1 10  SKILLED 2 8  TRUCK DRIVERS  COMMON TRAINEE				D			CONTRACT DAY
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION   SUBCONTRACTORS: COASTAL CONCRETE 1 SUPT, 5 TECH/LABOR GAUDETT ELECTRIC 1 TECH				TDACT		WEDNESDAT	NO. 178 OF 215
SUBCONTRACTORS: COASTAL CONCRETE 1 SUPT, 5 TECH/LABOR   GAUDETT ELECTRIC 1 TECH			. 1000		5	en dibulturijel i albayet upopule. M	<u> 28N - 28 National III (n. 1</u>
TIME (AM/PM)							4
OPERATION AND LOCATION         BEGINNING         ENDING           COASTAL CONCRETE - REMOVED 24" HEADWALL FORMS         7:00 AM         10:30 AM           COASTAL CONCRETE - CONTINUED FORMING BOX CULVERT         7:00 AM         1:00 PM           COASTAL CONCRETE - POURING BOX CULVERT         1:30 PM         3:30 PM           COMANCO INSTALLING 24" RCP         1:30 PM         3:30 PM           MATERIALS RECEIVED           SUPERVISOR         1         8           FOREMAN         1         10           SKILLED         2         8           TRUCK DRIVERS         COMMON         Image: Common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common	CODOCHIIIACIONO: CO	710171E C	JONOTIETE TO	01 1, 0 1	LONICABOTT GAOD	ETT ELLOTTIO I TEOI	1
OPERATION AND LOCATION         BEGINNING         ENDING           COASTAL CONCRETE - REMOVED 24" HEADWALL FORMS         7:00 AM         10:30 AM           COASTAL CONCRETE - CONTINUED FORMING BOX CULVERT         7:00 AM         1:00 PM           COASTAL CONCRETE - POURING BOX CULVERT         1:30 PM         3:30 PM           COMANCO INSTALLING 24" RCP         1:30 PM         3:30 PM           MATERIALS RECEIVED           SUPERVISOR         1         8           FOREMAN         1         10           SKILLED         2         8           TRUCK DRIVERS         COMMON         Image: Common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common		<del></del>	<del></del>				
OPERATION AND LOCATION         BEGINNING         ENDING           COASTAL CONCRETE - REMOVED 24" HEADWALL FORMS         7:00 AM         10:30 AM           COASTAL CONCRETE - CONTINUED FORMING BOX CULVERT         7:00 AM         1:00 PM           COASTAL CONCRETE - POURING BOX CULVERT         1:30 PM         3:30 PM           COMANCO INSTALLING 24" RCP         1:30 PM         3:30 PM           MATERIALS RECEIVED           SUPERVISOR         1         8           FOREMAN         1         10           SKILLED         2         8           TRUCK DRIVERS         COMMON         Image: Common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common			<u> </u>				
OPERATION AND LOCATION         BEGINNING         ENDING           COASTAL CONCRETE - REMOVED 24" HEADWALL FORMS         7:00 AM         10:30 AM           COASTAL CONCRETE - CONTINUED FORMING BOX CULVERT         7:00 AM         1:00 PM           COASTAL CONCRETE - POURING BOX CULVERT         1:30 PM         3:30 PM           COMANCO INSTALLING 24" RCP         1:30 PM         3:30 PM           MATERIALS RECEIVED           SUPERVISOR         1         8           FOREMAN         1         10           SKILLED         2         8           TRUCK DRIVERS         COMMON         Image: Common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common to the common						<del></del> -	
OPERATION AND LOCATION         BEGINNING         ENDING           COASTAL CONCRETE - REMOVED 24" HEADWALL FORMS         7:00 AM         10:30 AM           COASTAL CONCRETE - CONTINUED FORMING BOX CULVERT         7:00 AM         1:00 PM           COASTAL CONCRETE - POURING BOX CULVERT         1:30 PM         3:30 PM           COMANCO INSTALLING 24" RCP         1:30 PM         3:30 PM           PERSONNEL         NO         HOURS WORKED         MATERIALS RECEIVED           SUPERVISOR         1         8         8           FOREMAN         1         10         10           SKILLED         2         8         1           TRUCK DRIVERS         COMMON         1         1           TRAINEE         TRAINEE         1         1						TIME	(AM/PM)
COASTAL CONCRETE - CONTINUED FORMING BOX CULVERT         7:00 AM         1:00 PM           COASTAL CONCRETE - POURING BOX CULVERT         1:30 PM         3:30 PM           COMANCO INSTALLING 24" RCP         1:30 PM         3:30 PM           PERSONNEL         NO         HOURS WORKED         MATERIALS RECEIVED           SUPERVISOR         1         8         8           FOREMAN         1         10         10           SKILLED         2         8         10         10           TRUCK DRIVERS         COMMON         10         10         10           TRAINEE         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10 <t< td=""><td>$[\cdot]$ , $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$</td><td>PERATIO</td><td>ON AND LOCAT</td><td>ION</td><td></td><td></td><td></td></t<>	$[\cdot]$ , $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$ $[\cdot]$	PERATIO	ON AND LOCAT	ION			
COASTAL CONCRETE - POURING BOX CULVERT         1:30 PM         3:30 PM           COMANCO INSTALLING 24" RCP         1:30 PM         3:30 PM           PERSONNEL         NO         HOURS WORKED           SUPERVISOR         1         8           FOREMAN         1         10           SKILLED         2         8           TRUCK DRIVERS         COMMON           TRAINEE         ITRAINEE	COASTAL CONCRETE - REM	OVED 2	4" HEADWALL	FORMS		7:00 AM	10:30 AM
COMANCO INSTALLING 24" RCP         1:30 PM         3:30 PM           PERSONNEL         NO         HOURS WORKED         MATERIALS RECEIVED           SUPERVISOR         1         8         8         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9 <td>COASTAL CONCRETE - CON</td> <td>NTINUED</td> <td>FORMING BOX</td> <td>X CULV</td> <td>RT</td> <td>7:00 AM</td> <td>1:00 PM</td>	COASTAL CONCRETE - CON	NTINUED	FORMING BOX	X CULV	RT	7:00 AM	1:00 PM
PERSONNEL         NO         HOURS WORKED         MATERIALS RECEIVED           SUPERVISOR         1         8	COASTAL CONCRETE - POL	JRING B	OX CULVERT			1:30 PM	3:30 PM
PERSONNEL         NO         WORKED           SUPERVISOR         1         8           FOREMAN         1         10           SKILLED         2         8           TRUCK DRIVERS         COMMON           TRAINEE         TRAINEE	COMANCO INSTALLING 24"	RCP				1:30 PM	3:30 PM
FOREMAN 1 10  SKILLED 2 8  TRUCK DRIVERS  COMMON  TRAINEE	PERSONNEL	NO	ASSESSED FOR THE STATE		MA	TERIALS RECEIVED	
SKILLED 2 8 TRUCK DRIVERS COMMON TRAINEE	SUPERVISOR	1	8				<u> </u>
TRUCK DRIVERS COMMON TRAINEE	FOREMAN	1	10	1			•
COMMON TRAINEE	SKILLED	2	8				
TRAINEE	TRUCK DRIVERS		_				
	COMMON						<del>- 12 1/</del> /
GEOTECHNICAL TECH	TRAINEE						
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EQUIPMENT (ACTIVE/IDLE)							

		EQUIPMENT (	(ACTIVE/IDLE)	A	
Ť	BULLDOZER	SURVEYING EQUIPMEN			23 A. C. W. UT 1250
	1 FRONT END LOADER	GPS BASE STATION		,	
Г	GENERATOR	RTK ROVER		· · · · · · · · · · · · · · · · · · ·	
Г	PUMP	TOTAL STATION			
Г	ROLLER, STEEL WHEEL	ENGINEER'S LEVEL	1		**
	TRACTOR, SKID STEER	EXCAVATOR	2		
	TRUCK, DUMP				
Г	TRUCK, PICKUP				
	TRUCK, WATER				
Г	TRUCK, FUEL				
Г	TRACKHOE				

CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
			NOT BACKFILLED				
STORM WATER	24" RCP	80 LF					
			SIDE WALLS				
STORM WATER	BOX CULVERT	14 CY					
"-							



WEATHER CONDITIONS:       X CLEAR       PARTLY CLOUDY       HEAVY CLOUDS       FOG         TEMPERATURE:       59 HIGH       21 LOW       TEMPERATURE RESTRICTION SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATION NO: CONCRETE SPECIFICATIO	OF WEEK: CONTRACT DAY	DAY OF WE	DATE:	CONTRACT NO:	CONTRACT NAME:			
TEMPERATURE: 59 HIGH 21 LOW TEMPERATURE RESTRICTION SPECIFICATION NO: CONCRETE WIND: NONE WIND SPEED: 7 MPH WIND DIRECTION: NW  RAIN: WIND SPEED: 7 MPH WIND DIRECTION: NW  RAIN: SHOWERS END: START: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SHOWERS END: SH	WEDNESDAY NO: 178 OF 215	10 WEDNES	12/29/2010	ITB 040-10	SWM PHASE 3 EXPANSION			
SPECIFICATION NO: CONCRETE WIND: NONE	LOUDS FOG	HEAVY CLOUDS	Y CLOUDY HE	XCLEAR PARTL	WEATHER CONDITIONS: X			
RAIN:   X   NONE	RE RESTRICTION ECIFICATION NO: CONCRETE 40 F	SPECIFICA [*]	. <u> </u>		<u> </u>			
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/29/2010	WEDNESDAY	NO: 178 OF 215

SOUTH SIDE OF MAIN HAUL ROAD EFORMS WITH TWO LABORS. SUPER PREPARATION OF POURING IN EARI BEGAN EXCAVATING FOR RCP CON OPEN FOR LATER COMPACTION TEST ON SITE TO TEST SEAUDETT ELECTRIC DE-ENERGIZED RISER PUMPS.	RVISOR AND TWO LABORERS	INSTALLING FORMS AT BOX CU	LVERT IN
	LY AFTERNOON. COMANCO A	ASSISTED IN REMOVING HEADW	ALL FORMS AND
	NECTING TWO HEADWALLS.	INSTALLED TWO RUNS OF 40' A	ND LEFT EXCAVATION
	STING. COASTAL CONCRETE	RECEIVED AND PUMPED 14 YAI	RDS OF 3500 PSI
	SLUMP AND MADE FOUR CYLII	NDERS FOR BREAK TESTING. C	OMANCO HAD
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
KURT PETERSON	12/29/10	FROM 7:00 TO 4:00	



	•	DI	ESCRIPTION	OF WORK		
CONTRACT NAME:					DAY OF WEEK:	
SWM PHASE 3 EXPANSI	ON	118 040-10	TDAGTOR	12/30/2010	Thursday	NO. 179 OF 215
CONTRACTOR: COMANC						
SUBCONTRACTORS:	OENVIRO	JIMMENTAL COI	NSTRUCTIO	N CORPORA	ION	<u></u>
SUBCONTRACTORS:					<del></del>	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/30/2010	Thursday	NO. 179 OF 215
WEATHER CONDITIONS: [	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	HIGH	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO	
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ī		ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	_EXCELLENTGOOD	FAIR	POOR	BAD
DURATION OF [ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY .WET	EXTREMELY WE	Т	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/30/2010	Thursday	NO. 179 OF 215

GENERAL COMMENTS:	No work was performed.		
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DDO ISOT INCORPORTED	5.475		TOTAL 112
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE FROM TO	TOTAL HOURS



CONTRACT NAME.		CON	TRACT NO:	DATE:	7 WOTIK	DAY OF WEEK:	
SWM PHASE 3 EX					2/31/2010	Friday	
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TRUCK, DUN TRUCK, PICI TRUCK, WA TRUCK, FUE TRACKHOE	MP KUP FER					DAY	
TRUCK, DUN TRUCK, PICI TRUCK, WA TRUCK, FUE TRACKHOE	MP KUP FER	ГЕМ		QUANTITY IN		DAY REMARKS AND CALC	
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TRUCK, DUN TRUCK, PICI TRUCK, WA TRUCK, FUE TRACKHOE	MP KUP FER						



CONTRACT NAME:		CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSIO	N	ITB 040-10	12/31/2010	Friday	NO. 180 OF 215
WEATHER CONDITIONS:		CLEAR PARTLY	Y CLOUDY	IEAVY CLOUDS	FOG
TEMPERATURE:	_	HIGH	LOW TEMP	PERATURE RESTRICTION SPECIFICATION NO	
WIND:		NONE SLIGHT D SPEED: MPH	STRONG  H WIND DIRECTION	ON: not rec	orded
RAIN:	18	NONE LIGHT T RAINFALL: STA ID RAINFALL: STA Not recorded as rain or	ART:	END:	RAIN IN GUAGE
RAIN DURATION:		0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:		EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			DRE THAN 50% E WORK DAY	LESS THAN 50% OF WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:		DRY WET	EXTREMELY	WET	
	XCyuZ Gr B	EFFECTS OF WEATH	HER ON MAJOR WOR	KITEMS	
MAJOR AND/OR CONTROLLING WORK ITEM	ИS	NO EFFECT ALL DAY	EFFECTED LESS TH. 50% OF WORK DAY		
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NUMBER OF PHOTO	် OS 1	Property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of th	INFORMATION:		
<u></u>		РНОТ	O ID NUMBERS		
VISITORS:					



GENERAL COMMENTS: No work was performed.

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/31/2010	Friday	NO. 180 OF 215

	DATE:	 HOURS AT JOB	 TOTAL HO	
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CONTRACT NAME:		1	TRACT NO:			DAY OF W		CONTRACT DAY
SWM PHASE 3 EX							ırday	NO. 181 OF 215
CONTRACTOR: CO							251	4 T 1 (1.4) (1.4)
SUBCONTRACTORS		WIHO	NMENTAL CONS	TRUCTION	ORPORATI	ON		
SUBCONTRACTORS	o.							<del></del> .
	·····					State of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	TIME	(AM/PM)
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PERSONNEL	1	10	HOURS WORKED		M	ATERIALS RE	CEIVED	
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BULLDOZER FRONT END			SURVEYING EQU GPS BASE STAT			<del></del>	_	
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PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI SKID STEER MP KUP FER L							
PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI KID STEER MP KUP TER L		CONTRACT Q		CREASES TO			
PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI KID STEER MP KUP TER L			UANTITY INC	CREASES TO	DDAY REMARKS AN	4 (4.1)	ULATIONS
PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI KID STEER MP KUP TER L				CREASES		4 (4.1)	ULATIONS
PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI KID STEER MP KUP TER L				CREASES TO		4 (4.1)	ULATIONS
PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI KID STEER MP KUP TER L				CREASES		4 (4.1)	ULATIONS
PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI KID STEER MP KUP TER L				CREASES TO		4 (4.1)	ULATIONS
PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI KID STEER MP KUP TER L				CREASES TO		4 (4.1)	ULATIONS
PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI KID STEER MP KUP TER L				CREASES TO		4 (4.1)	ULATIONS
PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI KID STEER MP KUP TER L				CREASES		4 (4.1)	ULATIONS
PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI KID STEER MP KUP TER L				CREASES TO		4 (4.1)	ULATIONS
PUMP ROLLER, ST TRACTOR, S TRUCK, DUN TRUCK, PICH TRUCK, WA TRUCK, FUE TRACKHOE	EEL WHEEI KID STEER MP KUP TER L				CREASES		4 (4.1)	ULATIONS



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY			
SWM PHASE 3 EXPANSION	ITB 040-10	1/1/2011	Saturday	NO. 181 OF 215			
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG			
TEMPERATURE:	HIGH	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO:				
	NONE SLIGHT D SPEED: MP	STRONG "H WIND DIRECTION:	not rec	orded			
1S		ART:	END:	RAIN IN GUAGE			
RAIN DURATION:	0-2 HRS 2-4 HRS	occurred during non-working 4-6 HRS	ALL DAY				
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD			
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY			
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т				
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	yn felt afril.			
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR THAN 50% OF WC				
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VISITORS:				<del></del>			



GENERAL COMMENTS: No work was performed.

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/1/2011	Saturday	NO. 181 OF 215

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE FROMTO	TOTAL HOURS



CONT	RACT NAME:  I PHASE 3 EXPANSIO  RACTOR: COMANCO  ONTRACTORS:	N		TRACTOR	1/2/2011 INFORMATION		NO. 182 OF 215
SUBC	RACTOR: COMANCO						
SUBC		) ENVIR	ONMENTAL COI	NSTRUCTI	ON CORPORATION	NA I	
	ONTRACTORS:					<u> </u>	
Section by May 2014							
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20 (5 (2) (2) (2 (4) (3) (3)							
Property Property							
						Section 1997 Section 1997	
1	C	PERATION	ON AND LOCAT	ION		BEGINNING	ENDING
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	PERSONNEL	NO	HOURS WORKED		MA	TERIALS RECEIVED	(2) 이번 시간 12 등에 기계하였다. (2) - 12 등 기계 시간 등 소개 중인
ters an	SUPERVISOR		WORKED	SHAFT COLS			
	FOREMAN		<del> </del>	<del> </del> -			·
	SKILLED				<u> </u>		
	TRUCK DRIVERS						
	LABOR						
	MECHANIC						<del></del>
GEO	OTECHNICAL TECH						
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	BULLDOZER		SURVEYING E				
	FRONT END LOADE	R	GPS BASE ST	ATION			
	GENERATOR						
<u> </u>	PUMP						
<u> </u>	ROLLER, STEEL WH						
	TRACTOR, SKID STE	ERI	ļ				
<u> </u>	TRUCK, DUMP						
-	TRUCK, PICKUP TRUCK, WATER	<del> </del>		-			
$\vdash$	TRUCK, FUEL	_			<u> </u>		
-	TRACKHOE						
	THROTTIOL		L				
		7585A De	CONTRACT	QUANTIT	Y INCREASES TO	DAY	
IT	EM NO.	ITEM		QUANTITY		REMARKS AND CALC	ULATIONS
	ŀ						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY		
SWM PHASE 3 EXPANSION	ITB 040-10	1/2/2011	Sunday	NO. 182 OF 215		
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG		
TEMPERATURE: _	HIGH	. —	RATURE RESTRICTION NO			
	NONE SLIGHT ND SPEED: MP	STRONG "H WIND DIRECTION:	not re	ecorded		
1:		ART:	SHOWERS END: END:	RAIN IN GUAGE		
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY			
WORKING CONDITIONS:	_EXCELLENTGOOD	FAIR	POOR	BAD		
DURATION OF CACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY		
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	:T			
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS			
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY				
		Ц		L		
NUMBER OF PHOTOS		DINFORMATION:				
PHOTO ID NUMBERS						
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VISITORS:	W 4 5 7 4 5 5			100		



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/2/2011	Sunday	NO. 182 OF 215

GENERAL COMMENTS:	No work was performed.		****
	The fresh had perfermed.		
		· <del></del> -	
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
	DATE.	FROM TO	TOTAL HOURS
		FNOW 10	



	DESCRI	IPTION OF WORK			
CONTRACT NAME:	CONTRACT NO: DATE:		DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	1/3/2011	Monday	NO. 183 OF 215	
	TOR INFORMATION				
CONTRACTOR: COMANCO EN	VIRONMENTAL CONSTRI	UCTION CORPORATION			
SUBCONTRACTORS: Coasta	l Concrete, PSI				
			TIME (A	M/PM)	
OPEF	RATION AND LOCATION		BEGINNING	ENDING	
Coastal Concrete, box culvert on v	west rim		7:00 AM	6:00 PM	
PSI, headwall density test, north west rim			10:00 AM	10:45 AM	
				•	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	8	
FOREMAN	1	8	
SKILLED	2	8	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	11	0.75	

Α	BULLDOZER		SURVEYING EQUIPMEN				
	FRONT END LOADER		GPS BASE STATION				
	GENERATOR						
	PUMP						
	ROLLER, STEEL WHEEL						
Α	TRACTOR, SKID STEER	$\neg$					
	TRUCK, DUMP			-		1	
Α	TRUCK, PICKUP						
	TRUCK, WATER						
	TRUCK, FUEL				 	]	
A	TRACKHOE						

CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
N/A	N/A	N/A					
			1				



CONTRACT NAME:	NAME: CONTRACT NO:		DAY OF WEEK.	CONTRACT DAY		
SWM PHASE 3 EXPANSION	ITB 040-10	1/3/2011	Monday	NO. 183 OF 215		
WEATHER CONDITIONS: [	x CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG		
TEMPERATURE:	71 HIGH 53	LOW TEMPER	RATURE RESTRICTION NO			
	NONE X SLIGHT ND SPEED: 0-5 MP	STRONG WIND DIRECTION:		E		
1	ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE		
RAIN DURATION: [	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY			
WORKING CONDITIONS: [	x EXCELLENT GOOD	FAIR	POOR	BAD		
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY		
SOIL CONDITIONS: [	x DRY WET	EXTREMELY WE	.T			
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS			
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W			
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NUMBER OF PHOTOS	TAKEN: 15	adirecto de deservo de deservos de la contractiva de deservos de deservos de deservos de deservos de deservos d	Beeth (Albanda Bern British ) and adapted by Bushing Communi	riyan ya dibili aya ili masani shayaya ili bashiyaan ili bashina ili kuu insa mg		
PHOTO ID NUMBERS						
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VISITORS: Mark Topps Coma	nco					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/3/2011	Monday	NO. 183 OF 215

culvert.Comanco crew filled around 24" was removed and replaced with smaller	pipe in headwall. PSI rep was o	onsite to test density of fill around 24	pipe. Tests failed. Fill
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/03/11	FROM 6:30 TO 18:00	12



	DESCF	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/4/2011	Tuesday	NO. 184 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	NVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Coasta	al Concrete, PSI	·		
	·			
			TIME (	AM/PM)
OPEI	RATION AND LOCATION		BEGINNING	ENDING
Coastal Concrete, box culvert on	west rim		7:00 AM	6:30 PM
PSI, west rim of cell at headwall		<u></u>	10:00 AM	10:30 AM
	, <u>, , , , , , , , , , , , , , , , , , </u>		7	
			<u> </u>	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN	1	11.5	
SKILLED	2	11.5	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	2	1.5	

A		Α	EQUIPMENT (	/E/IDLE)	A		
Α	BULLDOZER		SURVEYING EQUIPMEN		· · · · · · · · · · · · · · · · · · ·	1	
	FRONT END LOADER		GPS BASE STATION				
	GENERATOR				1		
	PUMP					ŀ	
	ROLLER, STEEL WHEEL						
Α	TRACTOR, SKID STEER					1	
	TRUCK, DUMP						
Α	TRUCK, PICKUP						
	TRUCK, WATER						
	TRUCK, FUEL				i		
Α	TRACKHOE						

	CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
N/A	N/A	N/A						
	<del>- </del>							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/4/2011	Tuesday	NO. 184 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:		. <u></u>	RATURE RESTRICTION NO SPECIFICATION NO	
WIND: [ Wil	NONE X SLIGHT ND SPEED: 0-5 MP	STRONG  "H WIND DIRECTION:	E	SE
1	ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	JUNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI THAN 50% OF W	
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NUMBER OF PHOTOS	and the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	O INFORMATION:		
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				<del></del>
VISITORS:			<del> </del>	



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/4/2011	Tuesday	NO. 184 OF 215

top of box culvert.			
:			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/04/11	FROM 6:30 TO 18:30	12



	1	DE	SCRIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION		RACT NO: ITB 040-10	DATE: 1/5/2011	DAY OF WEEK: Wednesday	CONTRACT DAY
SWIN FILASE S EXPANSION					
CONTRACTOR: COMANCO				<u> </u>	
SUBCONTRACTORS: Gauc					
	•	<del></del>		<del></del>	
				<del></del> -	
				TIME	
OP.	ERATIO	N AND LOCATI	ON A SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE S	BEGINNING	ENDING
West rim of cell at box culvert					
Gaudette electric				9:30 AM	3:30 PM
Coastal concrete				12:00 PM	3:30 PM
PERSONNEL	NO	HOURS WORKED	MATI	ERIALS RECEIVED	
SUPERVISOR	1	11	-		
FOREMAN	1	11			
SKILLED	3	11			
TRUCK DRIVERS	Ī			,,,, <u>,</u> ,,,,	
LABOR					
MECHANIC					
GEOTECHNICAL TECH					

A		Α	EQUIPMENT (	ACTI A	VE/IDLE)	A	
	BULLDOZER		SURVEYING EQUIPMEN				
	FRONT END LOADER	<u> </u>	GPS BASE STATION				
Α	GENERATOR						
	PUMP						
	ROLLER, STEEL WHEEL					1	
A	TRACTOR, SKID STEER					1	
	TRUCK, DUMP						
Α	TRUCK, PICKUP						
	TRUCK, WATER					1	
	TRUCK, FUEL	İ				1	
A .	TRACKHOE						

	CONTRACT QUANTITY INCREASES TODAY									
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS							
N/A	N/A	N/A								
	-									
	l									



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/5/2011	Wednesday	NO. 185 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	77 HIGH <u>56</u>	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
WIND: [ Wil	NONE X SLIGHT ND SPEED: 5 MP	STRONG "H WIND DIRECTION:	WN	w
1:	ND RAINFALL: ST	ART:	END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY X WET	EXTREMELY WE	:Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF	
	x	Ц	LJ	Ш
•				
NUMBER OF PHOTOS		O INFORMATION:		
	РНОТ	O ID NUMBERS		
1-05-11 PHOTOS				
	<del>                                     </del>	<del></del>	<del></del>	
<u>L </u>				
VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/5/2011	Wednesday	NO. 185 OF 215

between box culvert and west rim of and began work on conduit manifold.	cell for slab. Gaudette electric was	onsite to get support pipes for mair	disconnect set in slab
		·	
PROJECT INSPECTOR: Richard Neptune	DATE: 01/05/11	HOURS AT JOB SITE FROM 6:30 TO 18:00	TOTAL HOURS 12



CONTRACT NAME:		COV	DES	DATE:		DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXI	PANSION		ITB 040-10	1/6/	2011	Thursday	NO. 186 OF 215
CONTRACTOR: CO							
CONTRACTOR: CO					RPORATION	<u> </u>	
SUBCONTRACTORS	: Gaude	ette eie	ectric, Florida jet cl	lean			
	<del></del>					TIME	(AM/PM)
	OPE	RATIC	N AND LOCATIO	)N			ENDING
West rim of cell		<u></u>				2 2 2 2 2 <del>2 2 2 2 2 2 2 2 2 2 2 2 2 2 </del>	2 1   1   1   1   1   1   1   1   1   1
	- La Es	- ung					
PERSONNEL		NO	HOURS WORKED		MAT	ERIALS RECEIVED	
SUPER		1	11	Country Charles page 1	<u> </u>	<u> Selve di Chemilia deserve de la propia di le la </u>	<u> Direction e i i i i i i i i i i i i i i i i i i </u>
	EMAN	1	11				
SK		3	11, 11, 5				
TRUCK DRI							
L	ABOR		<u> </u>				
MECL			•				
	HANIC		<del>                                     </del>	<del></del> -			
MECH GEOTECHNICAL	- 1						
	- 1		EQUI	PMENT (ACTIVE	:/IDLE)		
	TECH	A	EQUI			À	
GEOTECHNICAL  A BULLDOZER	TECH	A		Α		A	
GEOTECHNICAL  A  BULLDOZER FRONT END	TECH LOADER	A		A UIPMEN		<b>A</b>	
A BULLDOZER FRONT END A GENERATOR	TECH LOADER	A	SURVEYING EQ	A UIPMEN		A	
A BULLDOZER FRONT END A GENERATOR PUMP	LOADER	A	SURVEYING EQ	A UIPMEN		A	
A BULLDOZER FRONT END A GENERATOR PUMP ROLLER, STE	LOADER	A	SURVEYING EQ	A UIPMEN		<b>A</b>	
A BULLDOZER FRONT END A GENERATOR PUMP ROLLER, STE A TRACTOR, SI	LOADER R EEL WHEE	A	SURVEYING EQ	A UIPMEN			
A BULLDOZER FRONT END A GENERATOR PUMP ROLLER, STE A TRACTOR, SI TRUCK, DUM	LOADER R EEL WHEE KID STEEF	A	SURVEYING EQ	A UIPMEN		A	
A BULLDOZER FRONT END A GENERATOR PUMP ROLLER, STE A TRACTOR, SI TRUCK, DUM A TRUCK, PICK	LOADER R EEL WHEE KID STEEF	A	SURVEYING EQ	A UIPMEN		A	
A BULLDOZER FRONT END A GENERATOR PUMP ROLLER, STE A TRACTOR, SI TRUCK, DUM A TRUCK, PICK TRUCK, WAT	LOADER R EEL WHEE KID STEEFIP GUP ER	A	SURVEYING EQ	A UIPMEN		A	
A BULLDOZER FRONT END A GENERATOR PUMP ROLLER, STE A TRACTOR, SI TRUCK, DUM A TRUCK, PICK	LOADER R EEL WHEE KID STEEFIP GUP ER	A	SURVEYING EQ	A UIPMEN		*	
A  A BULLDOZER FRONT END I A GENERATOR PUMP ROLLER, STE A TRACTOR, SI TRUCK, DUM A TRUCK, PICK TRUCK, WAT TRUCK, FUEL	LOADER R EEL WHEE KID STEEF IP CUP ER L	A LL R	SURVEYING EQ GPS BASE STAT	A DUIPMEN TION			
A  A BULLDOZER FRONT END A GENERATOR PUMP ROLLER, STE A TRACTOR, SI TRUCK, DUM A TRUCK, PICK TRUCK, WAT TRUCK, FUEL A TRACKHOE	LOADER R EEL WHEE KID STEEF IP CUP ER	A LL R	SURVEYING EQ GPS BASE STAT	A DUIPMEN TION DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN DUIPMEN	EASESTOL	AY	
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/6/2011	Thursday	NO. 186 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:			ATURE RESTRICTION SPECIFICATION NO	
WIND: L WI	NONE X SLIGHT ND SPEED: MF	STRONG PH WIND DIRECTION:	WN	ıw
1	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [2	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF DESCRIPTION OF DESCRIPTION SERVICES.			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS		EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOR	
	х			L
NUMBER OF PHOTOS	at a strange till blommer i forder en til flatt blom av a för att att för för til fall keyt, meg til eggå til Till strange till blommer i forder en till flatt blom av att för att att för till keyt, meg till strange at ti	O INFORMATION:		
NOMBER OF THOTOS		TO ID NUMBERS		
1-06-11 PHOTOS				
	<del>                                     </del>		-	
				· ·
<u> </u>	<b>—</b>			
VISITORS:				



CONTRACT NAME:	TRACT NAME: CONTRACT NO:		DAY OF WEEK:	CONTRACT DAY	
SWM PHASE 3 EXPANSION	ITB 040-10	1/6/2011	Thursday	NO. 186 OF 215	

Fabric and stabilizer was	: Comanco crew welded 2" installed between box culv Saudette electric was onsite	ert and access road. Flo	e pumps in 24" risers. Pipe ir rida jet clean was onsite to cle umps main control panel.	n headwalls were grouted. ean and video 24" risers
				,
PROJECT INSPECTOR:			OURS AT JOB SITE	TOTAL HOURS
Richard Neptune		)1/06/11 F	ROM 6:30 TO 18:30	12



	DESCI	RIPTION OF WORK	guer Sarri de 150, 100 e	
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/7/2011	Friday	NO. 187 OF 215
	CONTRA	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	IVIRONMENTAL CONSTR	RUCTION CORPORATION		
SUBCONTRACTORS: Gaudet	te electric, coastal concre	te, Universal, Bergman Cor	struction Services, Diar	nond T Trucking
			_	
	<del></del>			
			TIME (A	M/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
West and north rim of cell	•			
	<del></del>			·
	HOURS		dikong gjag eksti paling t	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN	1	11.5	
SKILLED	2	11.5	,
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	0.5	

<b>A</b> ,	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t			· A	101 / 107   \$20,19,70	SE SEMETER	Service Control	27-40 X 4822		MARINE S
A	BULLDOZER	_	SURVEYING EQUIPMEN					1		
	FRONT END LOADER		GPS BASE STATION							
Α	GENERATOR					-,		1		
	PUMP			_						
	ROLLER, STEEL WHEEL									
Α	TRACTOR, SKID STEER									
	TRUCK, DUMP									
Α	TRUCK, PICKUP							1		
	TRUCK, WATER							T	`	
	TRUCK, FUEL									
A	TRACKHOE			-						

Pier	CONTRACT QUANTITY INCREASES TODAY						
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS				
N/A	N/A	N/A					



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/7/2011	Friday	NO. 187 OF 215
WEATHER CONDITIONS:	CLEAR PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	63 HIGH <u>37</u>	LOW TEMPER	RATURE RESTRICTION NC	
WIND: [ WII	NONE SLIGHT ND SPEED: 15 MP	X STRONG TH WIND DIRECTION:		N
1:	ND RAINFALL: ST		SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
				Ц
	_ 🗆			
·	_ 🗆			
NUMBER OF PHOTOS	TAILER	O INFORMATION:		
		TO ID NUMBERS		
1-07-11 PHOTOS				
			——   <b> </b> ———	
VISITORS:				<del></del>



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/7/2011	Friday	NO. 187 OF 215

Universal rep was onsite to do de loads) of limerock for the culvert	ensity test at box culvert and and headwall. Bergman ha	pe on west side of cell to pipe that they in d headwalls, test passed. Diamond T Tr ad a surveyor onsite to do as-builts and g all concrete was onsite to remove forms a	ucking delivered 134 cy (6 rade slopes for sod. Gaudette
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS



	DESC	CRIPTION OF WORK		
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 1/8/2011	DAY OF WEEK: Saturday	CONTRACT DAY NO. 188 OF 215
	CONTR	ACTOR INFORMATION		
CONTRACTOR: COMANCO EN		TRUCTION CORPORATION		· · · · · · · · · · · · · · · · · · ·
SUBCONTRACTORS:			., .,	
		V		
	· ·		TIME (	AM/PM)
OPEF	RATION AND LOCATION		BEGINNING	ENDING
24" HDPE leachate pipes on west	slope		7:00 AM	3:45 PM
_				
			<u> </u>	

PERSONNEL	NO	HOURS WORKED	MATERIAL'S RECEIVED
SUPERVISOR	2		Comanco had an additional supervisor for half day
FOREMAN	1	9	
SKILLED	2	9	
TRUCK DRIVERS		,	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		EQUIPMENT (ACTIVE/IDLE) A A A
Α	BULLDOZER	SURVEYING EQUIPMEN
	FRONT END LOADER	GPS BASE STATION
Α	GENERATOR	
	PUMP	
	ROLLER, STEEL WHEEL	
	TRACTOR, SKID STEER	
	TRUCK, DUMP	
Α	TRUCK, PICKUP	
	TRUCK, WATER	
	TRUCK, FUEL	
Α	TRACKHOE	

	CONTRACT QUANTITY INCREASES TODAY							
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS					
N/A	N/A	N/A						



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/8/2011	Saturday	NO. 188 OF 215
WEATHER CONDITIONS: [	CLEAR X PARTI	LY CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	70 HIGH 48		RATURE RESTRICTION SPECIFICATION NO:	
<b>WIND:</b> [ WI	NONE X SLIGHT ND SPEED: 10 MF	STRONG PH WIND DIRECTION:	wn	IW
1	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION: [	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	x DRY	EXTREMELY WE	Τ.	
	EFFECTS OF WEAT	THER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOF THAN 50% OF WO	
	х			
-				
NUMBER OF PHOTOS	STEELEROOMER FOR MAILLING COMPLETE CONTRACTOR AND AND AND AND AND AND AND AND AND AND	O INFORMATION:		
Nombert of Thoroc		TO ID NUMBERS		
1-08-11 PHOTOS		TO ID NOMBERIO		
L				
VISITORS:				



## **DAILY REPORT OF CONSTRUCTION**

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/8/2011	Saturday	NO. 188 OF 215

GENERAL COMMENTS:	Comanco crew worked	on installing pumps in	24" leachate pipes on west slop	e of cell. Hydrostatic
pressure test on 6" and 4"	HDRE torce main from	i west rim of cell under	road and south along main acce	ss road.
PROJECT INSPECTOR:	DATE	•	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	DATE	01/08/11	FROM 6:30 TO 16:0	
			10.0	



	<u> </u>	DES	CRIPTION OF W	ORK			The second second
CONTRACT NAME:		NTRACT NO:	L		DAY OF WEEK		CONTRACT DAY
SWM PHASE 3 EXPANSION		ITB 040-10	1/9/2		Sunday		NO. 189 OF 215
CONTRACTOR: COMANCO	ENVIDO	NIMENTAL CONS	ACTOR INFORM	DODATION	<u> Paris 2 : 1 2 2 1</u>	<u> </u>	<u>un vasa i Municipali.</u>
SUBCONTRACTORS:	=INVINC	JINIVIEN I AL CONS	THUCTION COR	PORATION	· · · · · · · · · · · · · · · · · · ·		<del> </del>
BOBCONTRACTORS.							
	<del></del>	· ·	<del></del>				
					APERTHA!	IME (A	M/PM)
OP.	ERATIO	ON AND LOCATION	1		BEGINNIN	IG	ENDING
					<u></u>		
Kalandara kalendara	. 50 - 50 -	L LOUDE L	10년 중앙 15년 전 전투한 제 21년 4	gradas avias	Sala - Illiana de Sala Araba -	Territoria	Name of the second
PERSONNEL	NO	HOURS WORKED		MAT	ERIALS RECEIV	ED	- 에 교육 입기학 - 기기 등명 2002년 - 학생 - 기급 - 유민 기급 -
SUPERVISOR	78 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	SAMOUVED.	在暴露性 19.7%,特别的原	ANG PRIMIT PROCES		<u> </u>	
FOREMAN		+	<del></del>				
SKILLED		1					
TRUCK DRIVERS		<del>                                     </del>					
LABOR		†	<del></del>				
MECHANIC							
GEOTECHNICAL TECH							
	Eb.	EQUIP	MENT (ACTIVE	IDLE)			
A Inuisozen	A_				Α .		
BULLDOZER		SURVEYING EQU					
FRONT END LOADER GENERATOR		GPS BASE STAT	ON				
PUMP	-	<del></del>					
ROLLER, STEEL WHE	ᇎ						
TRACTOR, SKID STEE			<del>-    </del>				
TRUCK, DUMP							
TRUCK, PICKUP	+						
TRUCK, WATER							
TRUCK, WATER TRUCK, FUEL			1 1				ı
TRUCK, FUEL TRACKHOE							
TRUCK, FUEL TRACKHOE		CONTRACT Q					
TRUCK, FUEL TRACKHOE	ITEM		UANTITY INCRE		AY.		
TRUCK, FUEL TRACKHOE							
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TRUCK, FUEL TRACKHOE							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/9/2011	Sunday	NO. 189 OF 215
WEATHER CONDITIONS: [	CLEAR PARTL	LY CLOUDY HEA	AVY CLOUDS	FOG
TEMPERATURE:	HIGH	LOW TEMPER	RATURE RESTRICTION SPECIFICATION NO:	
WIND: [ WI	NONE SLIGHT ND SPEED: 10 MP		WN	ıw
ī		ART:	END:	RAIN IN GUAGE
RAIN DURATION: [	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS: [	_EXCELLENT_GOOD	FAIR	POOR	BAD
DURATION OF [ ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY WET	EXTREMELY WE	:T	
	EFFECTS OF WEAT	THER ON MAJOR WORK	(TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY		
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NUMBER OF PHOTOS		O INFORMATION:	30.5	
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/9/2011	Sunday	NO. 189 OF 215

GENERAL COMMENTS:	No work was performed.		
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			1
<u> </u>			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SIT	E TOTAL HOURS
		FROM TO	
	<del></del>	<del></del>	



		DESC	RIPTION OF WORK		
CONTRACT NAME:		CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXP	ANSION	ITB 040-10	1/10/2011	Monday	NO. 190 OF 215
		CONTRA	ACTOR INFORMATION		
CONTRACTOR: CON	IANCO EN	IVIRONMENTAL CONST	RUCTION CORPORATION		
SUBCONTRACTORS:	PSI, Gı	uadette electric, Huss drill	ing		
		•			
		· · · · · · · · · · · · · · · · · · ·			
		·			
				TIME (A	AM/PM)
	OPEF	RATION AND LOCATION		BEGINNING	ENDING
PSI density bore at box	culvert			8:30 AM	10:45 AM
Huss drilling MW#20	······			8:30 AM	4:00 PM
Gaudette electric condu	uit manifold	1		8:30 AM	4:00 PM
	····· <u>/</u> ·			, I	<u> </u>
Mile Supply I was required to		Loupe	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	TATUS IN THE SELECTION OF THE SELECTION	· sec PER Profit Grand Special

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11.5	
FOREMAN	1	11.5	
SKILLED	3	11.5	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

Α		EQUIPMENT (ACTIVE/IDLE) A A A	
	BULLDOZER	SURVEYING EQUIPMEN	T
	FRONT END LOADER	GPS BASE STATION	$\neg$
Α	GENERATOR		$\neg$
	PUMP		
	ROLLER, STEEL WHEEL		
	TRACTOR, SKID STEER		
	TRUCK, DUMP		
	TRUCK, PICKUP		
Α	TRUCK, WATER		
	TRUCK, FUEL		
Α	TRACKHOE		

CONTRACT QUANTITY INCREASES TODAY									
ITEM	QUANTITY	REMARKS AND CALCULATIONS							
N/A	N/A								
	ITEM	ITEM QUANTITY							



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/10/2011	Monday	NO. 190 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE: _	72 HIGH <u>48</u>	LOW TEMPER	ATURE RESTRICTION SPECIFICATION NO	
<u> </u>	NONE XSLIGHT D SPEED: 5 MP	STRONG  WIND DIRECTION:		SE
15	ND RAINFALL: ST		END:	RAIN IN GUAGE
RAIN DURATION:	0-2 HRS 2-4 HRS	4-6 HRS	ALL DAY	
WORKING CONDITIONS:	EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY XWET	EXTREMELY WE	Т	
	EFFECTS OF WEAT	HER ON MAJOR WORK I	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MOI	
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<u></u>				
NUMBER OF PHOTOS	医克朗斯氏性骨髓的 化甲基苯基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲	O INFORMATION:		
	PHO	TO ID NUMBERS		
1-10-11 PHOTOS				
VISITORS:	****			·



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/10/2011	Monday	NO. 190 OF 215

Imerock at headwall. They also began density boar at the box culvert. SCS replace conduit support racks on box culvert.	nwelding leachate collection man up was onsite with Huss Drilling to	ifold together. PSI rep was onsite w	ith a well crew to do the
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/10/11	FROM 6:30 TO 18:00	11.5



	DESCF	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/11/2011	Tuesday	NO. 191 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	VIRONMENTAL CONSTR	UCTION CORPORATION	· · · · · ·	
SUBCONTRACTORS: Pave rit	te, gaudette electric univers	sal, huss drilling		
			TIME (A	M/PM)
OPER	RATION AND LOCATION		BEGINNING	ENDING
Pave rite and universal at box culv	rert		8:30 AM	1:00 PM
Gaudette electric main connection	at box culvert		8:45 AM	4:00 PM
Huss Drilling north rim of cell MW-	21		8:30 AM	4:00 PM
	***		<del></del>	<u> </u>

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11	
FOREMAN	1	11	
SKILLED	3	11	
TRUCK DRIVERS			:
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	0.5	

	BULLDOZER	SURVEYING EQUIPMEN		A	
	FRONT END LOADER	GPS BASE STATION			
Α	GENERATOR		_		
	PUMP				
	ROLLER, STEEL WHEEL				
	TRACTOR, SKID STEER				
	TRUCK, DUMP				
Α	TRUCK, PICKUP				
	TRUCK, WATER				
	TRUCK, FUEL				
Α	TRACKHOE				

	CONTRACT QUANTITY INCREASES TODAY										
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS								
N/A	N/A	N/A									



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/11/2011	Tuesday	NO. 191 OF 215
WEATHER CONDITIONS:	CLEAR X PARTL	Y CLOUDY HEA	VY CLOUDS	FOG
TEMPERATURE:	64 HIGH 51	<b>.</b> _	RATURE RESTRICTION NO	
<b></b>	NONE XSLIGHT ID SPEED: 5 MP	STRONG  H WIND DIRECTION:		N
15	ND RAINFALL: ST	ART:	SHOWERS END: END:	RAIN IN GUAGE
RAIN DURATION:	]0-2 HRS	occurred during non-working 4-6 HRS	g nours  ALL DAY	
WORKING CONDITIONS:	EXCELLENT X GOOD	FAIR	POOR	BAD
DURATION OF X ACCEPTABLE CONDITIONS:			ESS THAN 50% [ F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	DRY XWET	EXTREMELY WE	т	
	EFFECTS OF WEAT	HER ON MAJOR WORK	TEMS	
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MO THAN 50% OF W	
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NUMBER OF PHOTOS	, i sad oti in lei peralli della dilla della di suo in la suo di segono di segono di segono di segono di segono	O INFORMATION:		
	PHO1	TO ID NUMBERS		
1-11-11 PHOTOS				
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VISITORS:				



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/11/2011	Tuesday	NO. 191 OF 215

GENERAL COMMENTS: Coman	ico crew continued to weld le	eachate collection manifold together. Po	oured concrete around valves
		n road cut and at the box culvert. Rep fro	
		s onsite with Huss Drilling crew to drill M	
sod.		to drill the	
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PROJECT INSPECTOR:	DATE	LIQUIDO AT JOB OUT	TOTAL HOUSE
FROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS

01/11/11

Richard Neptune

FROM 6:30 TO 18:00 11.5



	DESCF	RIPTION OF WORK		
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/12/2011	Wednesday	NO. 192 OF 215
	CONTRAC	CTOR INFORMATION		
CONTRACTOR: COMANCO EN	NVIRONMENTAL CONSTR	UCTION CORPORATION		
SUBCONTRACTORS: Huss [	Drilling, Gaudette Electric, E	erglund Construction Servi	ces	
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OPE Huss Drilling north rim MW-21 A-Plus Sod north and west rim, w Gaudette electric main disconnec	est side of access road		BEGINNING 8:00 AM	ENDING 10:30 AM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
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LABOR			
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1-12-11 PHOTOS	PHOT	O ID NUMBERS		
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VISITORS: Sligo Pump rep was	onsite			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/12/2011	Wednesday	NO. 192 OF 215

GENERAL COMMENTS: Comanco crew worked on leachate collection manifold. Poured concrete pads on west side of main access road. Huss Drilling and a Rep from SCS finished work on MW-21. Sod crew sodded and pegged north and west rim of cell and on west side of road. Survey crew was onsite to do as-built survey of construction completed. Sligo pump rep was onsite for prestart inspection.
prestart inspection.
PROJECT INSPECTOR: DATE: HOURS AT JOB SITE TOTAL HOURS
PROJECT INSPECTOR: DATE: HOURS AT JOB SITE TOTAL HOURS  Richard Neptune 01/12/11 FROM 6:30 TO 17:30 10.5



SWM PHASE 3 EX		CON	NTRACT NO:	DATE:		DAY OF WEEK:	CONTRACT DAY
			ITB 040-10		13/2011	Thursday	NO. 193 OF 215
CONTRACTOR: CO	DMANCO E	NVIRO	NMENTAL CONS	TRUCTION C	ORPORATION		
SUBCONTRACTOR	S: Gaud	ette Ele	ectric				
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CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/13/2011	Thursday	NO. 193 OF 215
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RAIN DURATION:	0-2 HRS2-4 HRS	☐4-6 HRS	ALL DAY	
WORKING CONDITIONS:	x EXCELLENT GOOD	FAIR	POOR	BAD
DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
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1-13-11 PHOTOS				
VISITORS: Troy Watral from C	omanco, Dominique Bramle	ભા (૭૯૭)		<u> </u>



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/13/2011	Thursday	NO. 193 OF 215

GENERAL COMMENTS: Co	omanco crew finished all connections	on leachate collection manifold. Poured	concrete around valves
on east side of access road.	Gaudette Electric was onsite continu	uing connections on pumps.	
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DDO IFOT INCORPORA			
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/13/11	FROM 6:30 TO 18:00	12



ONTRACT NAME:			CRIPTION OF WORK		
		ONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANS		ITB 040-10	1/14/2011	Friday	NO. 194 OF 215
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CONTRACTOR: COMANG	O ENVI	RONMENTAL CONS	TRUCTION CORPOR	ATION	
UBCONTRACTORS: G	audette	Electric, Berglund Co	nstruction		
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SWM PHASE 3 EXPANSION	I ITB 040-10	DATE: 1/14/2011	Friday	NO. 194 OF 215
			AVY CLOUDS	∏FOG
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DURATION OF ACCEPTABLE CONDITIONS:			ESS THAN 50% F WORK DAY	UNACCEPTABLE ALL DAY
SOIL CONDITIONS:	X DRY WET	EXTREMELY WE	ET .	
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1-14-11 PHOTOS				
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VISITORS:	-			



CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	1/14/2011	Friday	NO. 194 OF 215

GENERAL COMMENTS: Comanco crew laid remaining sod around concrete pads. Poured yesterday (1-13-11). Crew fixed washouts on south slope of Phase 1 road. Gaudette Electric was onsite. Most electrical connections were finished. Ready for sligo

pump rep on Monday. Survey crew from Berglund was onsite to do as-builts on completed construction.

JECT INSPECTOR:	DATE:	
<del></del>		

Attachment 3-2

SCS Monthly Progress Reports

# SCS ENGINEERS

July 15, 2010 File No. 09207049.06

# **MEMORANDUM**

TO:

Steve Morgan, Florida Department of Environmental Protection

FROM:

Dominique H. Bramlett, P.E., Senior Project Engineer DWS

C. Ed Hilton, P.E., Vice President CEH

COPY:

Casey Stephens, Citrus County Mike Wimer, Citrus County

**SUBJECT:** 

Monthly Progress Report No. 1 - July 1, 2010 to July 15, 2010

Citrus County Central Landfill Phase 3 Expansion Project

Permit Number 21375-013-SC/01

In accordance with Specific Condition B.6.b of Construction Permit Number 21375-013-SC/01 for the Citrus County Central Landfill Phase 3 Expansion Project, and on behalf of Citrus County Board of County Commissioners (BOCC), SCS Engineers (SCS) is providing the Monthly Progress Report for the above-referenced project. The Monthly Progress Report covers the time period from Notice to Proceed to July 15, 2010 and includes the following:

- 1. Updated construction schedule.
- 2. A narrative explaining the status (and any delays) of major stages of the construction (i.e., liner, piping, liner penetrations, etc.).
- 3. Weekly progress meeting minutes.
- 4. Problem or work deficiency meeting minutes.
- 5. A summary of submittals and change order requests.
- 6. Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction (i.e., biaxial reinforcing geogrid installation, leachate trench construction, Phase 2 liner tie-in, etc.). Photographs shall be date stamped.

Please place this Monthly Progress Report No. 1 - July 1, 2010 to July 15, 2010 into the 3-ring project binder that was previously submitted to FDEP in July 2010.

# PROJECT OVERVIEW/CHANGE ORDERS

- 1. Notice to Proceed was issued by Citrus County on July 5, 2010.
- 2. Substantial Completion of the project was established as 180 calendar days 12/31/2010
- 3. Final Completion of the project was established as January 30, 2010.
- 4. No change orders have been processed for the project.

# CONSTRUCTION ACTIVITIES/PROJECTED SCHEDULE

The following construction activities were conducted during the above-mentioned reporting period.

- 1. The pre-construction survey was started on July 7, 2010 and completed on July 15, 2010.
- 2. Silt fence for sedimentation and erosion control was installed.
- 3. Comanco began mobilizing equipment to the site on July 9, 2010.
- 4. Weekly Construction Progress Meetings No. 1 was conducted on July 15, 2010.
- 5. Construction of the limerock road at the existing landfill will be initiated on July 19, 2010.

Please refer to the construction schedule provided by Comanco Environmental Corporation (Comanco) contained in Attachment A.

# CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS

Construction Progress Meeting Number 1 Minutes - July 15, 2010 will be provided with Monthly Progress Report No. 2 next month.

# SUMMARY OF SUBMITTALS

A summary of the submittals reviewed to date by SCS for the project is provided with each of the Weekly Construction Meeting Summary Reports. For this Monthly Report, the summary of the submittals reviewed to date is provided in Attachment B.

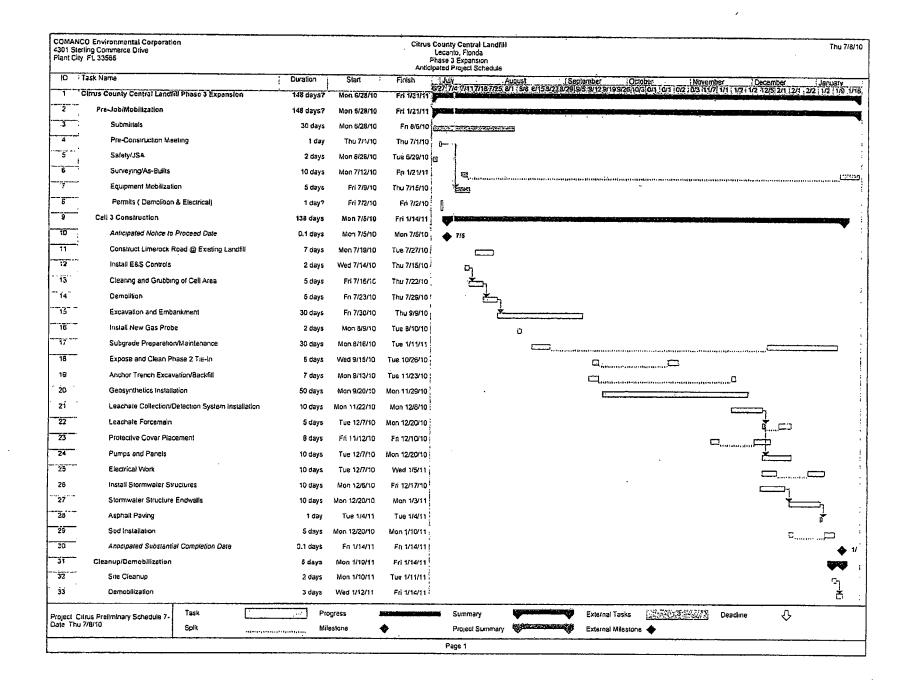
Mr. Steve Morgan Monthly Progress Report No. 1 - July 5, 2009 to July 15, 2010 July 15, 2010 Page 3

# **PHOTOGRAPHS**

Please refer to Attachment C for photographs that are representative of the construction activities conducted during the above-mentioned reporting period.

Please do not hesitate to call should you have any questions or require additional information.

# ATTACHMENT A CONSTRUCTION SCHEDULE



# ATTACHMENT B

WEEKLY CONSTRUCTION PROGRESS MEETING
SUMMARY REPORTS AND CONSTRUCTION SUBMITTAL LOGS

Project Name:

Submittal

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Date

Log Updated: 07/15/2010

Specification

Date

Number	Description	Reference	Received	Status ¹	Returned
Pay Applicati	ons			<del></del>	
i ay Applicati				MC	07/08/10
					emailed with
					question on HUB
					invoice
Pay App No. 1	Pay Application No. 1	01 20 00	07/01/10	NE	07/09/10
013010 Contr	actor Submittals				·
013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	MC	07/07/10 email
					07/08/10
013010-01B	Preliminary Schedule	01 30 10-1.01	07/08/10	NE	email 07/08/10
013010-02A	Excavation Plan	01 30 10-1.01	07/01/10	NE	email
013010-03A	Health and Safety Plan	01 30 10-1.01	07/01/10	МС	07/11/10 email
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10		
013010-04A	Quality Control (QC) Plan	01 30 10-1.01	07/01/10	MC	07/11/10 email
013010-05A	Health and Safety Officer Documentation	01 30 10-1.01			
013010-06Á	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	07/08/10 email
013010-07A	Project Work and Spec Compliance Confirmation	01 30 10-1.01	07701710	7111	Gillali
010010-07A	Compilation Committation	01 30 10-1.01			
013010-08A	Quality Control Testing Log	01 30 10-3.16			07/44/40
013010-09A	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/01/10	MC	07/11/10 email
015001 Field I	Engineering and Surveying				
					07/09/10 email
					requesting verification
015001-01A	Licensed Professional Land Surveyor	01 50 01-1.04	07/08/10	MC	of licensure
015001-02A	Survey Certifying Locations and	01 50 01-1.04			

¹ Status

NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Page 1

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u>

Log Updated: 07/15/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date
Number	Description	nelelelice	neceiveu	Status	Returned
	Elevations are in Conformance		T		
	with Contract Documents				
	_				
015001-03A	Record Drawings (As-Builts)	01 50 01-1.04			
015001.044	Field Surveyor's Log signed and	04 50 04 4 04			·
015001-04A	Sealed (Copies)	01 50 01-1.04			
015005 Mobili	ization and Demobilization				
	Required Insurance Certificates				
015005-01A	and Bonds	01 50 00-1.01			·
040000 14-1			-		
0 1 6000 iviater	ials and Equipment Manufacturer's Instructions on	<u> </u>	1	<del></del> _	
	Product Delivery, Storage, and			•	
016000-01A	Handling	01 60 00-1.03			
	,		<u> </u>	<del></del>	-
025316 Leach	ate Collection, Detection Pump				
005010 014	Manufacturer Prepared Shop				
025316-01A	Drawings	02 53 16-1.03			
025316-02A	Operating Instructions	02 53 16-1.03			
	Equipment Warranty and			<del>.</del>	
025316-03A	Certification Form	02 53 16-1.03			
025615 Geosy	nthetic Clay Liner				
025615-01A	GCL Manufacturer's Qualifications	02 56 15-1.05			
005045 004	landallanda Orregoria				
025615-02A	Installer's Qualifications Physical Sample of GCL Used in	02 56 15-1.05		· · · · · · · · · · · · · · · · · · ·	
025615-03A	Final Construction	02 56 15-1.05			
<u> </u>	That conduction	02 00 10-1.00			
025615-04A	GCL Installation Plan	02 56 15-1.05			
	Certificate of Subsurface				
025615-05A	Acceptability	02 56 15-1.05			
025615-06A	Warranties and Warranties Conditions	02 56 15-1.05			
520010-00A	Conditions	02 00 10-1.00		<del></del>	<u> </u>
029041 Geosy	nthetic Rain Tarp				
	Manufacturer's Tests Specs, Install			·	
029041-01A	Instructions, and Roll Dimensions	02 90 41-1.02			
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02			
0200-TI-02/1	mandiacturor 3 Evaluation reports	02 30 41-1.02			L.,,,

¹ <u>Status</u> NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Page 2

Project Name: Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 07/15/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10		
160000 Electr	ical		· · · · · · · · · · · · · · · · · · ·		<del></del>
160000-01A	Field Testing Booklet	16 00 00-3.8			
310519 Geote	extile				
310519-01A	Manufacturer's Prequalifications, Tests, Specs, Install Instructions, Roll Dimensions and Approval Form	31 05 19-1.02	07/14/10		
310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02			
310519-03A	Product Data/Access Road Fabric	31 05 19-1.02	07/08/10	MC	07/12/10
310520 Tripla	nar Geocomposite				
310520-01A	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	07/14/10		
310520-02A	Triplanar Prequalifications	31 05 20-1.04			
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	·	
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10		
310520-05A	Triplanar Protection Method	31 05 20-1.04		·	
310520-06A	Triplanar Material Data and Specifications	31 05 20-1.04	07/14/10		
310520-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 20-1.04	07/14/10		
310520-08A	Triplanar Manufacturer's Installation Instructions	31 05 20-1.04	07/14/10		
310520-09A	Manufacturer's Triplanar Qualifications	31 05 20-1.04			
310520-10A	Triplanar Geonet Resin	31 05 20-1.04			
310520-11A	Triplanar Transmissivity Test Results	31 05 20-1.04			
310520-12A	Triplanar MQC Production Dates and Test Results	31 05 20-1.04		· · · · · · · · · · · · · · · · · · ·	
310521 Biplan	ar Geocomposite				

¹ Status

NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill

Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 07/15/2010

Submittal		Specification	Data	· · · · · · · · · · · · · · · · · · ·	Data
Number	Description	Specification Reference	Date	Status ¹	Date
Mulliper	Description	neierence	Received	Status	Returned
	Distance Manufactural				<del></del>
040504.044	Biplanar Manufacturer's				
310521-01A	Experience of 5,000,000 sf	31 05 21-1.04			
010501 004	Dialogo Duranalisi aslam	04.07.04.4.04			
310521-02A	Biplanar Prequalifications	31 05 21-1.04	-		
010501 004	Dialogo Torrespisation	04.05.04.4.04	l		
310521-03A	Biplanar Transmissivity	31 05 21-1.04			
210501 044	Biologou Dell Loueut Browings	04.05.04.4.04	07/10/10		
310521-04A	Biplanar Roll Layout Drawings	31 05 21-1.04	07/13/10		
210501 054	Piplopor Dretostion Mathed	04.05.04.4.04		•	
310521-05A	Biplanar Protection Method	31 05 21-1.04	.	** .	<u> </u>
210501 064	Biplanar Material Data and	04.05.04.4.04	07/44/40		
310521-06A	Specifications	31 05 21-1.04	07/14/10		
040504 074	Manufacturer's Quality Assurance	04.05.04.4.04			
310521-07A	(MQC) Program	31 05 21-1.04		<del></del>	
040504 004	Biplanar Manufacturer's Installation	04.00.04			
310521-08A	Instructions	31 05 21-1.04			
242524 224	Manufacturer's Biplanar		}		
310521-09A	Qualifications	31 05 21-1.04			
040504.404			1		
310521-10A	Biplanar Geonet Resin	31 05 21-1.04			
	Biplanar Transmissivity Test				
310521-11A	Results	31 05 21-1.04	ļ		
	Biplanar MQC Production Dates				İ
310521-12A	and Test Results	31 05 21-1.04			
312000 Excav	ation, Backfill, and Grading		,		
040000 044					
312000-01A	Borrow Source Qualification	31 20 00-1.04			
	QC Geotechnical Lab Data and				
312000-02A	Results	31 20 00-1.04			
312000-03A	QC Consultant Qualifications	31 20 00-1.04			
312000-04A	CQC Consultant Final Report	31 20 00-1.04	<u> </u>		
			1		
312000-05A	Record Drawings of Subbase	31 20 00-1.04			
313219 Geogr				· · · · · · · · · · · · · · · · · · ·	
	Geogrid Manufacturer's				
313219-01A	Qualifications	31 32 19-1.04			
		·			
313219-02A	Geogrid Installation Plan	31 32 19-1.04			_
313219-03A	Geogrid Warranties	31 32 19-1.04	1		L

1 Status NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u>

Log Updated: 07/15/2010

Submittal		Specification	Date		Date
Number	Description	Reference	Received	Status ¹	Returned
		· · · · · · · · · · · · · · · · · · ·	·		
040040 044	Geogrid Resin Info and Quality	0.00.00.00.			
313219-04A	Control Certificates	31 32 19-1.04	ļ		
212010.054	Geogrid Manufacturer Material Info	04 00 40 4 04			
313219-05A	and Quality Control Certificates	31 32 19-1.04	<del>                                     </del>		
313219-06A	Geogrid Loading, Unloading, and Storage Recommendations	01 00 10 1 04	1	•	
313219-00A	Storage Necommendations	31 32 19-1.04		<del></del>	
313219-07A	Geogrid Roll Certifications	31 32 19-1.04			
0.102.10 077	Googna Floir Continuations	01 02 19 1.0 4		<del></del>	
313219-08A	Geogrid Record Drawings	31 32 19-1.04			
		0102101101	<del> </del>		
313219-09A	Geogrid Material Data	31 32 19-1.04	07/14/10		
316223 Cast-l	n-Place Concrete				
-	Cast-In-Place Concrete Product				
316223-01A	Data	31 62 23-1.05			
321216 Aspna	alt Paving and Crushed Concrete		· · · · · ·		
321216-01A	Motorial Tosta Donarta	20 10 10 1 04			
321210-01A	Material Tests Reports	32 12 16-1.04			
321216-02A	Certification of Limerock Source	32 12 16-1.04			
OLIZIO OLA	Composition Analysis for LBR Lab	32 12 10-1.04		·· <del>···································</del>	
321216-03A	Report	32 12 16-1.04			
		02 12 10 1101	<u> </u>	<del></del>	·
329000 Seedi	ng and Sodding				
	Sod Species and Percentages of				
329000-01A	Purity	32 90 00-1.02			
330520 HDPE	Geomembrane Liner			-	
	HDPE Manufacturer's				
330520-01A	Qualifications	33 05 20-1.04			
220520 004	HDDE Enhvironton Overliting tions	00.05.00.4.04	1		
330520-02A	HDPE Fabricator Qualifications	33 05 20-1.04	<del>                                     </del>		
330520-03A	Installer Qualifications	33 05 20-1.04			
3000E0-00/4	modulor eduminations	00 00 20-1.04	+		
330520-04A	Material Warranty	33 05 20-1.04			
	Geomembrane Resin Info and	30 00 20 1.0 7			
330520-05A	Quality Control Certificates	33 05 20-1.04			1
	Geomembrane Manufacturer				
	Material Info and Quality Control	•			
330520-06A	Certificates	33 05 20-1.04			

¹ Status

NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted RR - Rejected, Resubmit

Page 5

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 07/15/2010

Submittal		Specification	Date		Date
Number	Description	Reference	Received	Status ¹	Returned
<u> </u>					
330520-07A	Extrudate Rod Resin Information	33 05 20-1.04			
	HDPE Recommended Loading,				
330520-08A	Unloading, and Hauling Equipment	33 05 20-1.04			
	List Indicating Correlation Between				
000500 004	QC Certificates and Individual				
330520-09A	Rolls	33 05 20-1.04		· · · · · · · · · · · · · · · · · · ·	
330520-10A	HDPE Installation Plan	33 05 20-1.04	•		
000020 10/1	HDPE Resin Quality Control	30 03 20 1.04	-		
330520-11A	Certificate	33 05 20-1.04			
	HDPE Manufacturer's Quality	00 00 20 1.0 1			
330520-12A	Control Roll Certificate	33 05 20-1.04			
	Manufacturer and Installer			<del></del>	
330520-13A	Warranties	33 05 20-1.04			
330520-14A	HDPE Panel Layout As-Builts	33 05 20-1.04	07/13/10		
330520-15A	Subgrade Acceptance Certification	33 05 20-1.04	<u> </u>		
005440 D; ;		•			
335110 Piping					<u></u>
1	Piping Material Suppliers				
335110-01A	Certifications and	00 54 40 4 00			
333110-01A	Recommendations  Manufacturer Certification of Resin	33 51 10-1.02	<del> </del> -		
335110-02A	Spec Compliance	22 51 10 1 00			
300110-02A	Manufacturer Stress Regression	33 51 10-1.02	-		
335110-03A	testing	33 51 10-1.02			
300.10 00A	Elbows and Fittings Details and	00 01 10-1.02	-		
335110-04A	Specs	33 51 10-1.02			
	Flow Meter Manufacturer and	30 31 10 1.02			
335110-05A	Model Information	33 51 10-1.02			
				····· - · · · · · · · · · · · · · · · ·	-
335110-06A	Video Inspection Tape and Report	33 51 10-1.02			
335110-07A	Leak Testing Report	33 51 10-1.02			
	· ·				
335110-08A	Certification of Piping Completion	33 51 10-1.02		ı	
,			1		
<u> </u>					

# ATTACHMENT C

CONSTRUCTION PHOTOGRAPHS DURING REPORTING PERIOD

File Name	Date	Description
1	7-15-10	Phase 3 Expansion Cell
2	7-15-10	Existing Landfill Access Road
3	7-15-10	Proposed New Access Road Entrance
4	7-15-10	New Access Road Split -
5	7-15-10	New Access Road Tie-in to Existing Asphalt Millings Location
6	7-15-10	Existing Sump and Existing Pump
7	7-15-10	Existing Culvert at top of West Slope
8	7-15-10	Access Road at top of North Slope facing West
9	7-15-10	North-West Corner Slope
10	7-15-10	East Access Road
11	7-15-10	Proposed Material Lay Down Area
12	7-15-10	East Slope



File 1



File 2



File 3



File 4





File 6



File 7



File 8



File 9



File 10



File 11



File 12

# SCS ENGINEERS

August 15, 2010 File No. 09207049.06

#### **MEMORANDUM**

TO:

Steve Morgan, Florida Department of Environmental Protection

FROM:

Dominique H. Bramlett, P.E., Senior Project Engineer

C. Ed Hilton, P.E., Vice President

COPY:

Casey Stephens, Citrus County Mike Wimer, Citrus County

**SUBJECT:** 

Monthly Progress Report No. 2 - July 15, 2010 to August 14, 2010

Citrus County Central Landfill Phase 3 Expansion Project

Permit Number 21375-013-SC/01

In accordance with Specific Condition B.6.b of Construction Permit Number 21375-013-SC/01 for the Citrus County Central Landfill Phase 3 Expansion Project, and on behalf of Citrus County Board of County Commissioners (BOCC), SCS Engineers (SCS) is providing the Monthly Progress Report for the above-referenced project. The Monthly Progress Report covers the time period from July 15, 2010 to August 14, 2010 and includes the following:

- 1. Updated construction schedule.
- 2. A narrative explaining the status (and any delays) of major stages of the construction (i.e., liner, piping, liner penetrations, etc.).
- 3. Weekly progress meeting minutes.
- 4. Problem or work deficiency meeting minutes.
- 5. A summary of submittals and change order requests.
- 6. Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction (i.e., biaxial reinforcing geogrid installation, leachate trench construction, Phase 2 liner tie-in, etc.). Photographs shall be date stamped.

Please place this Monthly Progress Report No. 2 - July 15, 2010 to August 14, 2010 into the 3-ring project binder that was previously submitted to FDEP in July 2010.

Mr. Steve Morgan Monthly Progress Report No. 2 - July 15, 2009 to August 14, 2010 August 15, 2010 Page 2

# PROJECT OVERVIEW/CHANGE ORDERS

- 1. Notice to Proceed was issued by Citrus County on July 5, 2010.
- 2. Substantial Completion of the project was revised to 185 calendar days 1/5/2011.
- 3. Final Completion of the project was established as February 4, 2010.
- 4. Change Order No. 1001 Monitoring Well MW-20 (will not be part of this contract)
- 5. Change Order No. 1002 Access Road Paving
- 6. Change Order No. 1003 Additional Insurance
- 7. Change Order No. 1004 Access Road Auxiliary Work (added 5 days to the schedule)
- 8. Change Order No. 1005 Monitoring Wells MW-20 and MW-21 (not not be part of this contract)
- Change Order No. 1006 Surveying Control Delays (SCS requested detail work description)

# CONSTRUCTION ACTIVITIES/PROJECTED SCHEDULE

The following construction activities were conducted during the above-mentioned reporting period.

- 1. Placed subbase/limerock on access road.
- 2. Added 3 ft shoulder along south access road and 3:1 tie into existing grade.
- 3. Completed placement of sod along south access road.
- 4. Lined the access road swale with a 60-mil textured liner.
- 5. Prime and pave access road will occur the week of August 16, 2010.
- 6. Placed riprap at entrance of access road ditch.
- 7. Earth moving and stormwater prevention inside cell.
- 8. Geosynthetic installation is scheduled to begin around September 20, 2010.
- 9. Weekly Construction Progress Meeting No. 2 was conducted on July 22, 2010.
- 10. Weekly Construction Progress Meeting No. 3 was conducted on July 29, 2010.
- 11. Weekly Construction Progress Meeting No. 4 was conducted on August 5, 2010.
- 12. Weekly Construction Progress Meeting No. 5 was conducted on August 12, 2010.

Please refer to the construction schedule provided by Comanco Environmental Corporation (Comanco) contained in Attachment A.

Mr. Steve Morgan Monthly Progress Report No. 2 - July 15, 2009 to August 14, 2010 August 15, 2010 Page 3

# CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS

- 1. Weekly Construction Progress Meeting No. 2 was conducted on July 22, 2010.
- 2. Weekly Construction Progress Meeting No. 3 was conducted on July 29, 2010.
- 3. Weekly Construction Progress Meeting No. 4 was conducted on August 5, 2010.
- 4. Weekly Construction Progress Meeting No. 5 was conducted on August 12, 2010

# SUMMARY OF SUBMITTALS

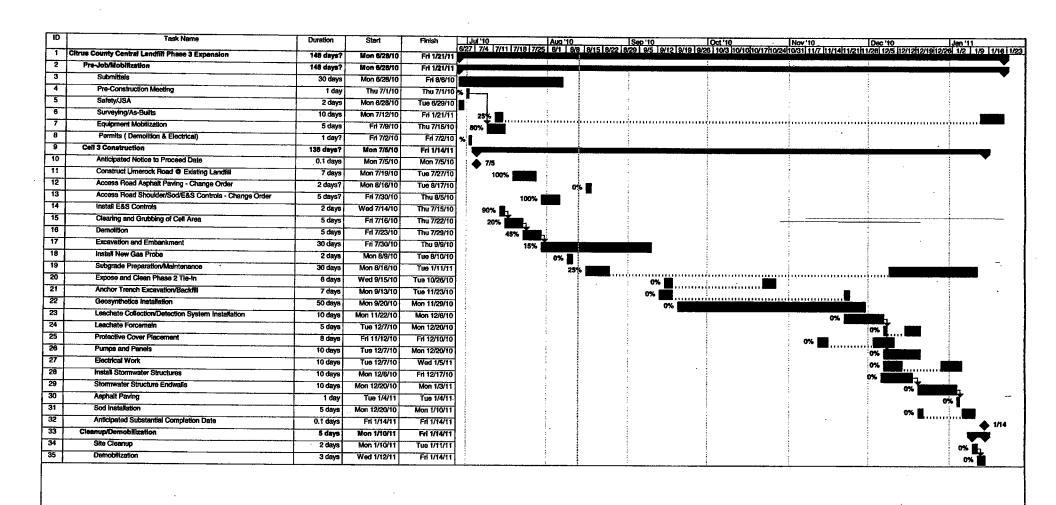
A summary of the submittals reviewed to date by SCS for the project is provided in Attachment B.

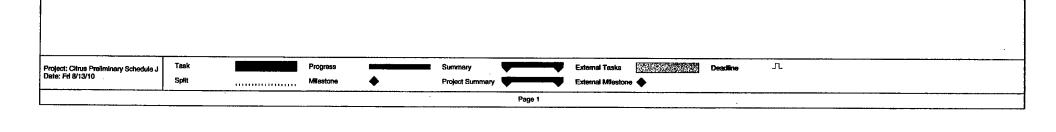
# **PHOTOGRAPHS**

Please refer to Attachment C for photographs that are representative of the construction activities conducted during the above-mentioned reporting period.

Please do not hesitate to call should you have any questions or require additional information.

# ATTACHMENT A CONSTRUCTION SCHEDULE





# ATTACHMENT B

WEEKLY CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS AND CONSTRUCTION SUBMITTAL LOGS

M

# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

JULY 22, 2010, 10:00 A.M.

# **PROGRESS MEETING NO. 2 MINUTES**

The following are the progress meeting minutes for Meeting No. 2 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 2. The date is July 22, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in.

# List of Attendees

a) (	Citrus	County
------	--------	--------

Carmen Bruno 352-527-7670 carmen.bruno@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Justin Endsley813-918-1441jendsley@comanco.comTroy Watral813-714-0980twatral@comanco.comBill Newman813-434-5435bnewman@comanco.com

# 1) Progress Meeting #1

a) Meeting Minutes

No comments from Comanco or the County concerning the Progress Meeting Minutes No. 1.

#### b) Unfinished business

- i) Change Order No. 1 Monitoring Well No. 20. SCS is still reviewing this Change Order and will provide a recommendation to the County once the review is complete.
- ii) Change Order No. 2 SCS recommended approval of this change order and submitted a letter of recommendation on Wednesday July 21, 2010 to Casey.
- iii) Construction Shop Drawings Erosion and Pollution Control Plan (SWPPP) needs to be submitted as soon as possible. Comanco indicated that Comanco is working on this and will submit to SCS for review.
- iv) Pay Application No. 1 has been reviewed and submitted to the Owner.

# 2) Project Schedule

- a) Current progress as it relates to the approved project schedule
  - i) Currently the project is on schedule.
  - ii) Access Road grading:
    - a. Access road cover with initial subbase/limerock.
    - b. Access road cover with DOT limerock and possible paving early next week upon approval of Change Order No. 2 for the paving on the access road.
    - c. Density tests were conducted by Universal and PSI.
  - iii) Working on power to office trailer:
    - a. Temporary generator until permanent power can be hooked up.
  - iv) Silt Fence:
    - a. Performed by A1 Silt & Erosion. Silt fence was installed south of the access road.
- b) Progress and work activity projected for July 22, 2010 July 28, 2010

- i) Comanco indicated that they will continue working on the access road.
- c) Comanco working hours during this period

Normal working hours will be 7:00 a.m. to 6:00 p.m. No work is anticipated on Saturday. If inclement weather occurs Comanco will utilize the County's existing pumps for this weekend. Currently Comanco does not have any of their pumps on site.

- d) Subcontractors and materials expected on site
  - i. Subonctractors
    - Berglund Construction Services Surveyor
    - Diamond C Trucking company
    - Paver Subcontractor
    - Universal Engineering Geotechnical firm
  - ii. Materials
    - 1 Dozer
    - 1 Roller
    - 1 Excavator

# 3) Field Orders, Change Orders

a) Change Order No. 3 - Additional Insurance. This change order is per Ron Bamer request for additional insurance due to the change in contract amount.

# 4) Construction Conflicts

- a) New access road near the guardrail The County indicated that there is a leachate line that runs through the proposed access road. In order to avoid this line Comanco will only cut 1 foot and place 1 ft instead of 2 ft of subbase. This area is already stabilized.
- b) The leachate riser contractor, Williams Excavating, is already working on the leachate lines. The County indicated that road maintenance will construct a bypass road. Comanco indicated concerns about the only access road in and out of the cell could be an issue. The County will evaluate options on Monday.

# 5) Contractor's Submittals Status

- a) Shop Drawings
  - i) Additional shop drawings will be provided later today.
- b) Submittals
- c) RFI's
  - i) RFI No. 1 Leachate collection header detail on page 11 of the plans shows the 8-inch perforated pipe covered by No. 57 stone and then by No. 89 stone followed by the 24-inch cover sand. This detail does not include any geotextile wrap. Comanco is requesting further information on whether a textile is needed. SCS will evaluate with the County and provide clarification on whether a textile should be placed over the stone blanket over the leachate collection pipe.

# 6) Contractor Issues

a) Access in and out of the cell.

# 7) County Issues

# 8) Consultant's Issues

- a) Comanco is still working on obtaining the electrical permit. Comanco is working with Progress Energy to resolve this.
- b) Conformance testing on the woven geotextile is needed prior to placement on the access road. Comanco understands that they are responsible for any rework should the conformance testing not meet specification.

# 9) Site Safety and Housekeeping

Comanco is responsible for site safety and housekeeping. Comanco will be submitting the records of the site safety. Comanco indicated that the records will be submitted to SCS at the end of each week.

# 10) Other Issues

July 22, 2010 Progress Meeting No. 2 Minutes Page 5

None at this time.

# 11) Weekly Progress Meeting Schedule and Time

Weekly Progress Meeting No. 3 will be at the office trailer next week July 29, 2010, 10:00 a.m.

# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

JULY 29, 2010, 10:00 A.M.

#### PROGRESS MEETING NO. 3 MINUTES

The following are the progress meeting minutes for Meeting No. 3 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 3. The date is July 29, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in. Dominique passed around a memorandum to address the testing requirements for CQC and CQA.

# **List of Attendees**

a) Citrus County

Casey Stephens	352-527-7670	casey.stephens@bocc.citrus.fl.us
Mike Wimer		mike.wimer@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Justin Endsley	813-918-1441	jendsley@comanco.com
Troy Watral	813-714-0980	twatral@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com

#### 1) Progress Meeting #2

a) Meeting Minutes

July 29, 2010 Progress Meeting No. 3 Minutes Page 2

No comments from Comanco or the County concerning the Progress Meeting Minutes No. 2.

- b) Unfinished business
  - Change Order No. 1 Proposed Monitoring Well 20 and 21.
  - Change Order No. 4 Access Road Auxiliary Work.
  - RFI No. 1 Textile around leachate collection pipe

# 2) Project Schedule

- a) Work Completed Since Last Meeting
  - Density testing performed by Universal
  - Subbase limerock complete
  - DOT limerock complete
- b) Work Planned
  - Access Road
    - i) Waiting on Change Order No. 4 for access road shoulder decision
    - ii) DOT limerock to be clipped to final grade
    - iii) Pavement sub: Pave-Rite to begin asphalt work
  - Planning for moving in Phase 3 Cell
    - i) Earth moving and stormwater prevention inside cell
  - Soil Testing
    - i) Universal Engineering
- c) Equipment on Site
  - One Dozer, One Roller, One Excavator, One Water Truck, One Track-Hoe, Five Men on-site
- d) Working Hours

Will remain the same

July 29, 2010 Progress Meeting No. 3 Minutes Page 3

# 3) Field Orders, Change Orders

#### 4) Construction Conflicts

#### 5) Contractor's Submittals Status

- a) Shop Drawings
  - Additional shop drawings will be provided later today.
- b) Submittals
- c) RFI's

#### 6) Contractor Issues

- a) Stormwater Control on Access Road. 3-inches of rainfall occurred on Monday which gives a good point of reference to where the washout areas can occur. Those areas will need consideration for stormwater control.
- b) Stabilization of Access Road. Comanco stated that they believe the heavy traffic will erode the access road therefore they recommend placing a shoulder on the outside of the access road.
- c) Paving should occur after the shoulder is placed.
- d) This will take an additional 3 to 4 days to build the shoulder, and stormwater control measures. Paving will occur a week from Monday. Comanco will be requesting an additional 7 days to the project schedule for consideration to the extra work.
- e) Comanco recommends placing a textile around the leachate collection header pipe. Comanco is concerned that the sand will pass through the 57 stone during the jet cleaning process.

#### 7) County Issues

#### 8) Consultant's Issues

- a) Communication is the key in order to get all the testing done in a timely manner.
- b) SCS reminded that revised schedules should be submitted to SCS every 2 weeks.
- c) Photos should be submitted to SCS prior to the 15th of each month.

July 29, 2010 Progress Meeting No. 3 Minutes Page 4

# 9) Site Safety and Housekeeping

Site Safety documentation will be submitted to SCS and Citrus County.

# 10) Other Issues

None at this time

# 11) Weekly Progress Meeting Schedule and Time

Weekly Progress Meeting No. 4 will be at the office trailer next week August 5, 2010, 10:00 a.m.

# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

August 5, 2010, 10:00 A.M.

#### **PROGRESS MEETING NO. 4 MINUTES**

The following are the progress meeting minutes for Meeting No. 4 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 4. The date is August 5, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in. Dominique passed around a memorandum to address the testing requirements for CQC and CQA.

#### **List of Attendees**

a) Citrus County

Casey Stephens	352-527-7670	casey.stephens@bocc.citrus.fl.us
Mike Wimer	352-212-1826	mike.wimer@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Justin Endsley	813-918-1441	jendsley@comanco.com
Troy Watral	813-714-0980	twatral@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com

#### 1) Progress Meeting #3

a) Meeting Minutes

No comments from Comanco or the County concerning the Progress Meeting Minutes No. 3.

#### b) Unfinished business

- Uniaxial Geogrid Product Proposed product 10 XT which is a polyester material versus HDPE material as shown in the Specification. SCS requests supporting data to show compatibility of product with leachate. The supporting document should state it can chemically and physically be compatible in a leachate exposed system. The manufacturer should provide examples of where this product was used before in a leachate environment. Comanco indicated that this product has a pH resistance between 3 ≤ pH ≤ 9.
- Comanco indicated that all materials being used for the cell are brand new materials. The only materials that are being used from Comanco's yard are for the access road.
- Casey questioned the use of 60-mil liner for the access road ditch. Comanco indicated that the 60-mil liner will be given at the rain tarp price.
- Comanco requested a formal signature for all approved Change Orders. They
  indicated that this is for their record only.

#### 2) Project Schedule

- a) Current progress as it relates to the approved schedule
  - 3' shoulder along south access road complete.
  - 3:1 tie into existing grade complete.
  - Initiated (8/5) placement of sod at the shoulder and 3:1 tie in.

#### b) Work Planned

- Access Road Adding 5 days to approved schedule for access road work
  - i) Line swale with the 60-mil HDPE textured liner
  - ii) Cleaning road and placing tack coat
  - iii) Paving access road
- Planning for moving in Phase 3 Cell
  - i) Earth moving and stormwater prevention inside cell.
  - ii) Deploying liner within a month.

August 5, 2010			
<b>Progress Meeting</b>	No.	4	Minutes
Page 3			

- Soil Testing
  - i) Universal Engineering
- c) Equipment on Site
- d) Working Hours

Will remain the same

3) Field Orders, Change Orders

None

4) Construction Conflicts

Mike Wimer will remain onsite for the next 30 days.

- 5) Contractor's Submittals Status
  - a) Shop Drawings
    - Additional shop drawings will be provided later today.
  - b) Submittals
  - c) RFI's
- 6) Contractor issues
  - a) Completing Road. Comanco requested a final walk through of the road after next week's meeting.
- 7) County Issues
- 8) Consultant's Issues
- 9) Site Safety and Housekeeping

August 5, 2010 Progress Meeting No. 4 Minutes Page 4

Site Safety documentation will be submitted to SCS and Citrus County.

# 10) Other Issues

None at this time

# 11) Weekly Progress Meeting Schedule and Time

Weekly Progress Meeting No. 5 will be at the office trailer next week August 12, 2010, 10:00 a.m.

# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

August 12, 2010, 10:00 A.M.

#### **PROGRESS MEETING NO. 5 MINUTES**

The following are the progress meeting minutes for Meeting No. 5 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 5. The date is August 12, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in. Dominique passed around a memorandum to address the testing requirements for CQC and CQA.

#### List of Attendees

a) Citrus County

Casey Stephens	352-527-7670	casey.stephens@bocc.citrus.fl.us
Mike Wimer	352-212-1826	mike.wimer@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Justin Endsley	813-918-1441	jendsley@comanco.com
Troy Watral	813-714-0980	twatral@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com

#### 1) Progress Meeting #4

a) Meeting Minutes

No comments from the County or Comanco concerning the Progress Meeting Minutes No. 4.

#### b) Unfinished business

- Uniaxial Geogrid SCS will review the information provided by Tencate on 8/11/2010 against the approved FDEP calculations for the geogrid. As of now the mechanical properties do not meet specification.
- Pre construction survey SCS questioned the status of the preconstruction survey submittal. Comanco indicated that they are working with the surveyor to obtain the requested information.
- Change Order No. 1001 and No. 1005 will not be part of this contract.
- Change Order No. 1006 for surveying control delays. SCS requested work detail description.

# 2) Project Schedule

Comanco indicated that there was 3-1/4" rain on Sunday and ½" on Wednesday.

- a) Current progress as it relates to the approved schedule
  - Completed installation of sod.
  - Complete slopes on access road.
  - Material laydown area complete.
  - Completed installation of HDPE in access road ditch.
  - Completed installing rip-rap at entrance of access road ditch.

#### b) Work Planned

- Access Road
  - i) Prime access road (Monday)
  - ii) Pave access road (Tuesday)
  - iii) Walk through on Thursday after meeting (approximately 1 pm).
- Planning for moving in Phase 3 Cell
  - i) Earth moving and stormwater prevention inside cell.
  - ii) Deploying liner within a month.

August 12, 2010 Progress Meeting No. 5 Minutes Page 3

- Hauling
  - i) Diamond "C" transport onsite
- c) Equipment on Site

One dozer, one roller, one excavator, one water truck, one track-hoe, 5 men onsite.

d) Working Hours

Will remain the same

#### 3) Field Orders, Change Orders

Request for additional information No. 3 - clarification was requested on the 2-24" RCP located in the ditch at the northwest corner of Phase 3. SCS provided a figure clarifying the height clearance and spacing between the 2 pipes. This was submitted to Comanco via email on 8/11/2010. Comanco indicated that the response was well addressed.

#### 4) Construction Conflicts

Mike Wimer will remain onsite for the next 30 days.

#### 5) Contractor's Submittals Status

- a) Shop Drawings
  - Additional shop drawings will be provided later today.
  - Cast-in-place versus precast box culvert. Comanco indicated that they will not
    proceed with the cast-in-place box culvert as the cost to include a structural
    engineer will not be feasible. Comanco indicated that they looked into the castin-place box as they were concerned about the power lines from the crane lifting
    the box culvert.

The County indicated that the other contractor onsite is also concerned about the power lines. The County indicated that after the other contractor is done with the rerounding of the pipes they will be slipped lined with stainless steel pipes. In the past their methods included welding all 200 foot of pipe and lifting it with a crane thus they will want the power off during that time. The County recommended that Comanco coordinate with the other contractor as there may be an opportunity to save money with only one mobilization and demobilization.

August 12, 2010 Progress Meeting No. 5 Minutes Page 4

- b) Submittals
- c) RFI's

#### 6) Contractor Issues

#### 7) County Issues

Mike Wimer indicated that his last day on this project will be Friday, August 20, 2010. SCS indicated that someone from SCS will be here full-time starting Monday, August 23, 2010.

#### 8) Consultant's Issues

Provide an updated schedule and photos.

#### 9) Site Safety and Housekeeping

Site Safety documentation will be submitted to SCS and Citrus County.

#### 10) Other Issues

None at this time

#### 11) Weekly Progress Meeting Schedule and Time

- The FDEP Monthly Progress Report is due to FDEP on August 15, 2010. This will be submitted on Monday August 16, 2010.
- Weekly Progress Meeting No. 6 will be at the office trailer next week August 19, 2010, 10:00 a.m.
- The walk through of the access road will be held at 1 pm on August 19, 2010.

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.:

09207049.06

Log Updated: 08/15/2010

Submittal		Specification	Date		Date
Number	Description	Reference	Received	Status ¹	Returned
	•				
Pay Application	ons			<del> </del>	1
				MC	07/08/10
					emailed
					with
					question
					on HUB
					invoice
Pay App No. 1	Pay Application No. 1	01 20 00	07/01/10	NE	07/09/10
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Pay App No. 2	Pay Application No. 2	01 20 00	07/22/10	NE	07/23/10
		<del></del>			<u> </u>
013010 Contra	actor Submittals				
					07/07/10
013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	MC	email
- · · · <del>-</del>					07/08/10
013010-01B	Preliminary Schedule	01 30 10-1.01	07/08/10	NE	email
040040 004	Formation Diam	04 00 40 4 04			07/08/10
013010-02A	Excavation Plan	01 30 10-1.01	07/01/10	<u>NE</u>	email
013010-03A	Hoolth and Safatu Blan	01 20 10 1 01	07/04/10	MC	07/11/10
013010-03A	Health and Safety Plan	01 30 10-1.01	07/01/10	MC AR	email 07/15/10
				An	email
					08/04/10
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	NE	email
					07/11/10
013010-04A	Quality Control (QC) Plan	01 30 10-1.01	07/01/10	MC	email
					07/21/10
013010-04B	Quality Control (QC) Plan	01 30 10-1.01	07/21/10	NE	email
	Health and Safety Officer				07/16/10
013010-05A	Documentation	01 30 10-1.01	07/16/10	NE	email
					07/08/10
013010-06A	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	email
010010 000	Freeign and Pallistian Cartint Di	04 00 40 4 04	07/00/40	A 1000	08/05/10
013010-06B	Erosion and Pollution Control Plan	01 30 10-1.01	07/29/10	NE	email
			1		07/21/10
					email
	Project Work and Spec				requested signed
013010-07A	Compliance Confirmation	01 30 10-1.01	07/21/10	NE	letter
	- Compilation Committee	<u> </u>	37721710	1 7 100	101101
013010-08A	Quality Control Testing Log	01 30 10-3.16	08/04/10		

¹ Status NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 08/15/2010

Submittal		Specification	Date	<del>-</del>	Date
Number	Description	Reference	Received	Status ¹	Returned
	Preliminary Schedule of Shop				07/11/10
013010-09A	Drawing Submittals	01 30 10-1.01	07/01/10	MC	email
	Preliminary Schedule of Shop	:			07/15/10
013010-09B	Drawing Submittals	01 30 10-1.01	07/14/10	MC	email
015001 Field I	Engineering and Surveying				
	·				07/09/10
		•			email
					requesting verification
	Licensed Professional Land				of
015001-01A	Surveyor	01 50 01-1.04	07/08/10	МС	licensure
010001 0171	Licensed Professional Land	01 00 01 1.04	07700710	1410	07/15/10
015001-01B	Surveyor	01 50 01-1.04	07/15/10	NE	email
					08/05/10
	·				email and
					discussed
	Survey Certifying Locations and				over the
	Elevations are in Conformance				phone with
015001-02A	with Contract Documents	01 50 01-1.04	07/28/10	AR	JE
015001-03A	Record Drawings (As-Builts)	01 50 01-1.04			
015001-04A	Field Surveyor's Log signed and Sealed (Copies)	01 50 01-1.04			
015005 Mobili	zation and Demobilization				
015005-01A	Required Insurance Certificates and Bonds	01 50 00-1.01			
016000 Materi	als and Equipment				
	Manufacturer's Instructions on				
	Product Delivery, Storage, and				
016000-01A	Handling	01 60 00-1.03			
025316 Leach	ate Collection, Detection Pump				
025316-01A	Manufacturer Prepared Shop Drawings	02 53 16-1.03			
025316-02A	Operating Instructions	02 53 16-1.03			
020010-02A	Equipment Warranty and	02 00 10-1.00	1	•	<del> </del>
025316-03A	Certification Form	02 53 16-1.03			
025615 Geosy	nthetic Clay Liner				

¹ Status NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted RR - Rejected, Resubmit

Page 2

Project Name:

Project No.: 09207049.06

Citrus County Central Landfill
Phase 3 Expansion Project

Log Updated: 08/15/2010

025615-01A   GCL Manufacturer's Qualifications   02 56 15-1.05   08/02/10   NE   08/06/10   email   025615-02A   Installer's Qualifications   02 56 15-1.05   08/03/10   NE   08/06/10   email   025615-03A   Physical Sample of GCL Used in Final Construction   02 56 15-1.05   08/10/10   NE   08/13/10   025615-03A   GCL Installation Plan   02 56 15-1.05   08/10/10   NE   08/13/10   025615-05A   GCL Installation Plan   02 56 15-1.05   08/10/10   NE   08/13/10   025615-05A   Acceptability   02 56 15-1.05   08/10/10   NE   02/13/10   025615-06A   Conditions   02 56 15-1.05   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/10   02/13/	Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
O25615-01A   GCL Manufacturer's Qualifications   O2 56 15-1.05   O8/02/10   NE   email   O8/06/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10   O8/05/10						
O25615-02A   Installer's Qualifications   Physical Sample of GCL Used in Physical Sample of GCL Used in Final Construction   O2 56 15-1.05   O8/03/10   NE   O8/06/10   O25615-03A   GCL Installation Plan   O2 56 15-1.05   O8/10/10   NE   O8/13/10   O25615-05A   Acceptability   O2 56 15-1.05   O8/10/10   NE   O7/17/10   O25615-05A   Acceptability   O2 56 15-1.05   O8/10/10   O7/17/10   O25615-06A   O7/10/10   O25615-07A   GCL Product Data Sheet   O2 56 15-1.05   O7/16/10   O25615-08A   Assurance Manual   O2 56 15-1.05   O8/04/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8/06/10   O8						08/11/10
O25615-02A	025615-01A	GCL Manufacturer's Qualifications	02 56 15-1.05	08/02/10	NE	
Physical Sample of GCL Used in Final Construction						
O25615-03A   Final Construction   O2 56 15-1.05   O8/10/10   NE   O8/13/10   O25615-04A   GCL Installation Plan   O2 56 15-1.05   O8/10/10   NE   O8/13/10   O25615-05A   Acceptability   O2 56 15-1.05   O2 56 15-1.05   O25615-05A   Acceptability   O2 56 15-1.05   O2 56 15-1.05   O7/17/10   O25615-05A   GCL Product Data Sheet   O2 56 15-1.05   O7/16/10   NE   O8/06/10   O25615-07A   GCL Product Data Sheet   O2 56 15-1.05   O8/04/10   O25615-08A   Assurance Manual   O2 56 15-1.05   O8/04/10   O8/06/10   O25615-09A   GCL Manufacturer's Installation   O2 56 15-1.05   O8/04/10   O8/11/10   O25615-10A   GCL Sample Warranties   O2 56 15-1.05   O8/04/10   NE   O8/11/10   O25615-10A   GCL Sample Warranties   O2 56 15-1.05   O8/10/10   NE   O8/11/10   O29041-01A   Manufacturer's Tests Specs, Install Instructions, and Roll Dimensions   O2 90 41-1.02   O29041-01A   Geosynthetic Rain Tarp Layout   O2 90 41-1.02   O7/13/10   O29041-03A   Geosynthetic Rain Tarp Layout   O2 90 41-1.02   O7/16/10   NE   O7/17/10   O29041-04A   Rain Tarp Product Data Sheet   O2 90 41-1.02   O7/16/10   NE   O7/17/10   O29041-04A   Field Testing Booklet   16 00 00-3.8   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7	025615-02A		02 56 15-1.05	08/03/10	NE	email
025615-04A         GCL Installation Plan         02 56 15-1.05         08/10/10         NE         08/13/10 email           025615-05A         Certificate of Subsurface Acceptability         02 56 15-1.05         02 56 15-1.05         07/17/10           025615-05A         Warranties and Warranties         02 56 15-1.05         07/16/10         NE         07/17/10 email           025615-07A         GCL Product Data Sheet         02 56 15-1.05         07/16/10         NE         08/06/10 email           025615-08A         Assurance Manual         02 56 15-1.05         08/04/10         NE         08/11/10 email           025615-09A         GCL Manufacturer's Installation         02 56 15-1.05         08/04/10         NE         08/11/10 email           025615-09A         GCL Sample Warranties         02 56 15-1.05         08/04/10         NE         email           025615-10A         GCL Sample Warranties         02 56 15-1.05         08/10/10         NE         email           029041-01A         Manufacturer's Tests Specs, Install Instructions, and Roll Dimensions         02 90 41-1.02         07/13/10         NE         07/17/10 email           029041-03A         Geosynthetic Rain Tarp Layout         02 90 41-1.02         07/16/10         NE         07/17/10 email           160000-01A					,	
O25615-04A   GCL Installation Plan   O2 56 15-1.05   O8/10/10   NE   email	025615-03A	Final Construction	02 56 15-1.05		<del></del>	00/10/10
O25615-05A   Acceptability   O2 56 15-1.05   O25615-06A   Acceptability   O2 56 15-1.05   O25615-06A   O25615-06A   O25615-06A   O25615-07A   O25615-07A   O25615-07A   O25615-07A   O25615-08A   O25615-08A   O25615-1.05   O3606/10   O25615-08A   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/10   O3606/	025615-044	GCI Installation Plan	02 56 15-1 05	08/10/10	ΝE	
025615-05A         Acceptability         02 56 15-1.05         02 56 15-1.05         02 56 15-1.05         07/17/10           025615-06A         Conditions         02 56 15-1.05         07/16/10         NE         07/17/10           025615-07A         GCL Product Data Sheet         02 56 15-1.05         07/16/10         NE         08/06/10           025615-08A         Assurance Manual         02 56 15-1.05         08/04/10         NE         08/01/10           025615-09A         GCL Manufacturer's Installation Guide         02 56 15-1.05         08/04/10         NE         08/11/10           025615-10A         GCL Sample Warranties         02 56 15-1.05         08/10/10         NE         08/11/10           029041 Geosynthetic Rain Tarp         Manufacturer's Tests Specs, Install Instructions, and Roll Dimensions         02 90 41-1.02         02 90 41-1.02           029041-02A         Manufacturer's Evaluation Reports         02 90 41-1.02         07/13/10         NE         07/17/10 email           029041-03A         Geosynthetic Rain Tarp Layout         02 90 41-1.02         07/16/10         NE         07/17/10 email           160000 Electrical         16 00 00-3.8         Manufacturer's Prequalifications, Tests, Specs, Install Instructions, Roll Dimensions and Approval Form (Non-Woven Geotextile)         31 05 19-1.02         07/14/10	UZ3013-04A		02 30 13-1.03	00/10/10	171	Citian
O25615-06A   Warranties and Warranties   Conditions   O2 56 15-1.05   O7/16/10   NE   O7/17/10   O25615-07A   GCL Product Data Sheet   O2 56 15-1.05   O7/16/10   NE   O8/06/10   O25615-08A   Assurance Manual   O2 56 15-1.05   O8/04/10   NE   O8/06/10   O25615-09A   GCL Manufacturer's Installation   O2 56 15-1.05   O8/04/10   NE   O8/11/10   O25615-10A   GCL Sample Warranties   O2 56 15-1.05   O8/04/10   NE   O8/11/10   O25615-10A   GCL Sample Warranties   O2 56 15-1.05   O8/10/10   NE   O8/11/10   O29041   O29041   Geosynthetic Rain Tarp   O29041-01A   Instructions, and Roll Dimensions   O2 90 41-1.02   O7/13/10   O29041-02A   Geosynthetic Rain Tarp Layout   O2 90 41-1.02   O7/13/10   O29041-03A   Geosynthetic Rain Tarp Layout   O2 90 41-1.02   O7/16/10   NE   O7/17/10   O29041-04A   Rain Tarp Product Data Sheet   O2 90 41-1.02   O7/16/10   NE   O7/17/10   O29041-04A   Field Testing Booklet   O2 90 41-1.02   O7/16/10   NE   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/10   O7/17/	025615-05A		02 56 15-1.05			
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O25615-08A   Assurance Manual   O2 56 15-1.05   O8/04/10   NE   email   O25615-09A   GCL Manufacturer's Installation   O2 56 15-1.05   O8/04/10   NE   O8/11/10   email   O25615-10A   GCL Sample Warranties   O2 56 15-1.05   O8/10/10   NE   O8/11/10   O25615-10A   GCL Sample Warranties   O2 56 15-1.05   O8/10/10   NE   O8/11/10   O29041   O29041-01A   O29041-01A   O29041-01A   O29041-02A   Manufacturer's Evaluation Reports   O2 90 41-1.02   O7/13/10   O29041-03A   Geosynthetic Rain Tarp Layout   O2 90 41-1.02   O7/13/10   NE   O7/17/10   O29041-04A   Rain Tarp Product Data Sheet   O2 90 41-1.02   O7/16/10   NE   O7/17/10   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A   O29041-04A	025615-07A		02 56 15-1.05	07/16/10	NE	
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310519-02A   Manufacturer's Evaluation Reports   31 05 19-1.02	310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02			

Project Name:

Citrus County Central Landfill

Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 08/15/2010

Submittal	_ :	Specification	Date		Date
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310520-01A	Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	email
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310520-01B	Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	email
310520-02A	Triplanar Prequalifications	31 05 20-1.04			
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310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	email
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310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	email
310520-05A	Triplanar Protection Method	31 05 20-1.04	08/04/10	NE	08/11/10 email
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310520-06A	Specifications	31 05 20-1.04	07/14/10	NE	email
	Manufacturer's Quality Assurance				07/17/10
310520-07A	(MQC) Program	31 05 20-1.04	07/14/10	NE	email
	Triplanar Manufacturer's				07/17/10
310520-08A	Installation Instructions	31 05 20-1.04	07/14/10	NE	email
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310520-09A	Qualifications	31 05 20-1.04	08/12/10	NE	email
310520-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10		
	Triplanar Transmissivity Test				
310520-11A	Results	31 05 20-1.04	08/12/10		
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310520-12A	and Test Results	31 05 20-1.04	08/12/10		
310521 Biplan	ar Geocomposite				
	Biplanar Manufacturer's				
310521-01A	Experience of 5,000,000 sf	31 05 21-1.04			
310521-02A	Biplanar Prequalifications	31 05 21-1.04			
010501 004	Diploman Turanamia - 1: 4t :	04.05.04.4.04			
310521-03A	Biplanar Transmissivity	31 05 21-1.04	-		07/21/10
310521-04A	Biplanar Roll Layout Drawings	31 05 21-1.04	07/13/10	NE	07/21/10 email

¹ Status

NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill

Project No.: 09207049.06

Phase 3 Expansion Project

Log Updated: 08/15/2010

310521-05A Biplanar Protection Method 31 05 21-1.04 Biplanar Material Data and Specifications 31 05 21-1.04 07/14/10 NE Manufacturer's Quality Assurance (MQC) Program 31 05 21-1.04 Biplanar Manufacturer's Installation Instructions 31 05 21-1.04 Manufacturer's Biplanar 31 05 21-1.04 Manufacturer's Biplanar 31 05 21-1.04  310521-09A Biplanar Geonet Resin 31 05 21-1.04 Biplanar Transmissivity Test	7/17/10 email
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310521-07A   (MQC) Program   31 05 21-1.04	
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310521-08A   Instructions   31 05 21-1.04	
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Biplanar Transmissivity Test	1
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310521-11A Results 31 05 21-1.04	
Biplanar MQC Production Dates	
310521-12A and Test Results 31 05 21-1.04	
	İ
312000 Excavation, Backfill, and Grading	
040000 04A   Dawney Ocean Ocean   0400 00 4 04	
312000-01A Borrow Source Qualification 31 20 00-1.04	
QC Geotechnical Lab Data and 31 20 00-1.04	
312000-02A Results 31 20 00-1.04	
312000-03A QC Consultant Qualifications 31 20 00-1.04	
51255 SST QG STICKRAIT QUAINISAISTIS ST 25 ST 1.51	
312000-04A CQC Consultant Final Report 31 20 00-1.04	
312000-05A Record Drawings of Subbase 31 20 00-1.04	
Placed in	
submittals 32	
312000-06A   Access Road Testing   31 20 00-1.04   08/02/10   01A and 3212	216-03A
313219 Geogrid	
Geogrid Manufacturer's	
313219-01A Qualifications 31 32 19-1.04	7/00/40
	7/23/10
<del></del>	email 8/02/10
	email
	8/04/10
1	email
Geogrid Manufacturer Material Info	Jillall
313219-05A and Quality Control Certificates 31 32 19-1.04 07/22/10 AR 08	,

¹ Status NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Page 5

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 08/15/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
					_
	(Biaxial Geogrid)				
					<u> </u>
	Geogrid Loading, Unloading, and				07/19/10
313219-06A	Storage Recommendations	31 32 19-1.04	07/19/10	NE	email
313219-07A	Geogrid Roll Certifications	31 32 19-1.04			
010210 077	acogna i cii commodiona	0102101.04			
313219-08A	Geogrid Record Drawings	31 32 19-1.04			
	Geogrid Material Data (Biaxial				07/17/10
313219-09A	Geogrid)	31 32 19-1.04	07/14/10	NE	email
	10XT Uniaxial Geogrid Leachate				08/13/10
313219-10A	Exposure		08/09/10	RR	email
316223 Cast-l	n-Place Concrete	· · · · · · · · · · · · · · · · · · ·	·	·	_
	Cast-In-Place Concrete Product		,		].
316223-01A	Data	31 62 23-1.05	<u></u>		
004040 4	It Deaders and Owner of Owner				
321216 Aspna	Ilt Paving and Crushed Concrete		1		00/44/40
001016 014	Meterial Tests Deposts	00 10 10 1 01		N.E	08/11/10
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE	email
321216-02A	Certification of Limerock Source	32 12 16-1.04			
	Composition Analysis for LBR Lab				08/11/10
321216-03A	Report	32 12 16-1.04	08/04/11	NE	email
	·				•
329000 Seedii	ng and Sodding				
	Sod Species and Percentages of				
329000-01A	Purity	32 90 00-1.02			,
330520 HDPE	Geomembrane Liner				00/44/46
220520 044	HDPE Manufacturer's	00.05.00.4.04	00/04/40	NIT.	08/11/10
330520-01A	Qualifications	33 05 20-1.04	08/04/10	NE	email
330520-02A	HDPE Fabricator Qualifications	33 05 20-1.04			
- 3000E0-0EA	TIDI ET abricator Qualifications	00 00 20-1,04	<del>                                     </del>		08/13/10
330520-03A	Installer Qualifications	33 05 20-1.04	08/11/10	NE	email
33325 30A	nomior addinionio	00 00 20 1.04	00,71710	116	08/11/10
330520-04A	Material Warranty	33 05 20-1.04	08/11/10	AR	email
	Geomembrane Resin Info and				
330520-05A	Quality Control Certificates	33 05 20-1.04	]		
	Geomembrane Manufacturer			<del></del>	
	Material Info and Quality Control				
330520-06A	Certificates	33 05 20-1.04			

1 Status NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Page 6

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 08/15/2010

Submittal		Specification	Date	O4-41	Date
Number	Description	Reference	Received	Status ¹	Returned
	<del></del>		<del></del>		,
330520-07A Extrudate Rod Resin Information		33 05 20-1.04	08/12/10		
330320-07A	HDPE Recommended Loading,	33 03 20-1.04	00/12/10		08/11/10
330520-08A	Unloading, and Hauling Equipment	33 05 20-1.04	08/04/10	NE	email
000020-00A	List Indicating Correlation Between	00 00 20-1.04	00/04/10	141	Ciriali
	QC Certificates and Individual				
330520-09A	Rolls	33 05 20-1.04			
330520-10A	HDPE Installation Plan	33 05 20-1.04			
	HDPE Resin Quality Control				
330520-11A	Certificate	33 05 20-1.04			
	HDPE Manufacturer's Quality				
330520-12A	Control Roll Certificate	33 05 20-1.04			
	Manufacturer and Installer				1
330520-13A	Warranties	33 05 20-1.04			
000700 444	Upper II IA D W	00.05.00.4.04			07/21/10
330520-14A	HDPE Panel Layout As-Builts	33 05 20-1.04	07/13/10	NE	email
220500 154	Subgrada Assentance Cortification	22.05.00.1.04			
330520-15A	Subgrade Acceptance Certification HDPE Geomembrane Product	33 05 20-1.04			07/16/10
330520-16A	Data Sheet	33 05 20-1.04	07/16/10	NE	email
330320-10A	Data Sheet	33 03 20-1.04	07/10/10	144	Ciliali
335110 Piping	ı Svstem				
	Piping Material Suppliers				
	Certifications and				
335110-01A	Recommendations	33 51 10-1.02			
	Manufacturer Certification of Resin				
335110-02A	Spec Compliance	33 51 10-1.02			
	Manufacturer Stress Regression				08/11/10
335110-03A	testing	33 51 10-1.02	08/02/10	AR	email
	Manufacturer Stress Regression				
335110-03B	testing	33 51 10-1.02	08/13/10		00/10/10
005440 044	Elbows and Fittings Details and	00 54 40 4 00	00/00/40	40	08/13/10
335110-04A	Specs	33 51 10-1.02	08/02/10	AR	email
205110.054	Flow Meter Manufacturer and	00 51 10 1 00			
335110-05A	Model Information	33 51 10-1.02			
335110-06A	Video Inspection Tape and Report	33 51 10-1.02			
000110-00A	video mapection rape and report	00 01 10-1.02			
335110-07A	Leak Testing Report	33 51 10-1.02			
3001.0017		200.101102	·	······································	
335110-08A	Certification of Piping Completion	33 51 10-1.02			

¹ Status

NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

# ATTACHMENT C

# CONSTRUCTION PHOTOGRAPHS DURING REPORTING PERIOD

File Name	Date	Description
1	7-23-10	Access Road Fabric Placement
2	7-29-10	Access Road w/ DOT limerock
3	7-22-10	Office Trailer
4	7-22-10	Silt Fencing along Access Road
5	7-29-10	Access Road inside swale
6	7-29-10	Access Road outside shoulder
7	7-29-10	Mulching inside ditch to control stormwater
8	7-22-10	Pump access road demo
9	7-15-10	Material Laydown area
. 10	7-23-10	Water Truck for dust control
11	7-22-10	Material Laydown access road
12	7-22-10	Office Parking area

Citrus County Central Landfill Phase 3 Expansion Project
Monthly Progress Report No. X Photos – July 16, 2010 to July 30, 2010
ITB 040-10
2.



File 1



File 2

Citrus County Central Landfill Phase 3 Expansion Project

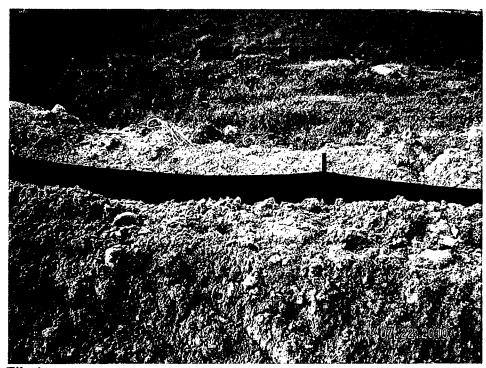
Monthly Progress Report No. A Photos – July 16, 2010 to July 30, 2010

ITB 040-10

Z



File 3



File 4

Citrus County Central Landfill Phase 3 Expansion Project
Monthly Progress Report No. *Photos – July 16, 2010 to July 30, 2010
ITB 040-10
Z



File 5



File 6



File 7



File 8



File 9



File 10

Citrus County Central Landfill Phase 3 Expansion Project
Monthly Progress Report No. X Photos – July 16, 2010 to July 30, 2010
ITB 040-10
2



File 11



File 12

File Name	Date	Description
1	8-5-10	Access Road shoulder work
2	8-5-10	Access Road shoulder
3	8-5-10	Access Road sod placement
4	8-5-10	Access Road sod placement
. 5	8-5-10	Access Road ditch
6	8-9-10	Access Road ditch liner install
7	8-13-10	Bottom of phase 3 cell
8	8-13-10	Temp road into phase 3 cell
9	8-6-10	Facing North
10	8-6-10	Facing South
11	8-6-10	Facing East
12	8-6-10	Facing West

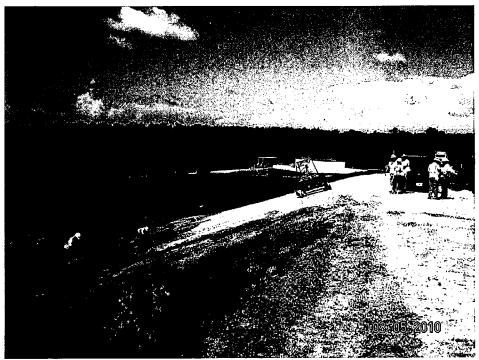
Citrus County Central Landfill Phase 3 Expansion Project
Monthly Progress Report No. 1-Photos – August 1, 2010 to August 15, 2010
ITB 040-10
Z



File 1



File 2



File 3



File 4

Citrus County Central Landfill Phase 3 Expansion Project

Monthly Progress Report No. A Photos – August 1, 2010 to August 15, 2010

ITB 040-10



File 5

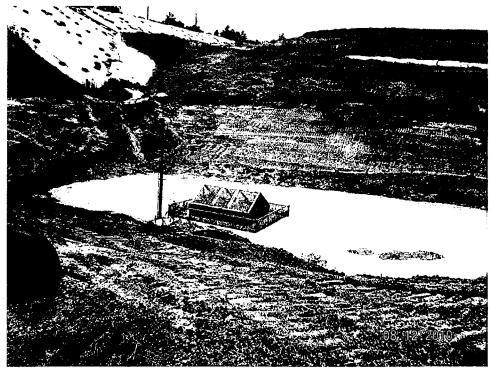


File 6

Citrus County Central Landfill Phase 3 Expansion Project

Monthly Progress Report No. Photos – August 1, 2010 to August 15, 2010

ITB 040-10



File 7

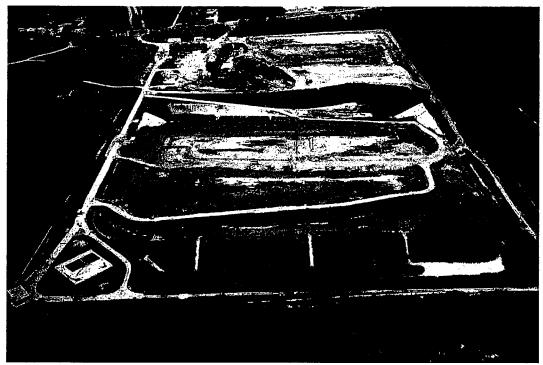


File 8

Citrus County Central Landfill Phase 3 Expansion Project

Monthly Progress Report No. A Photos – August 1, 2010 to August 15, 2010

ITB 040-10



File 9

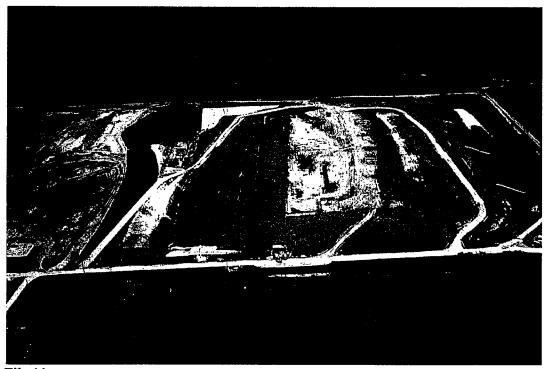


File 10

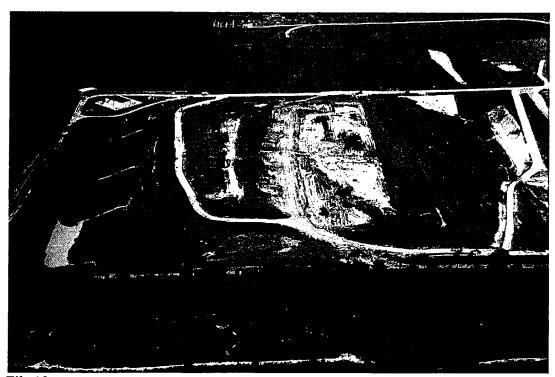
Citrus County Central Landfill Phase 3 Expansion Project

Monthly Progress Report No. & Photos – August 1, 2010 to August 15, 2010

ITB 040-10



File 11



File 12

# SCS ENGINEERS

August 15, 2010 File No. 09207049.06

#### **MEMORANDUM**

TO:

Steve Morgan, Florida Department of Environmental Protection

FROM:

Dominique H. Bramlett, P.E., Senior Project Engineer

C. Ed Hilton, P.E., Vice President

COPY:

Casey Stephens, Citrus County Mike Wimer, Citrus County

**SUBJECT:** 

Monthly Progress Report No. 3 - August 15, 2010 to September 14, 2010

Citrus County Central Landfill Phase 3 Expansion Project

Permit Number 21375-013-SC/01

In accordance with Specific Condition B.6.b of Construction Permit Number 21375-013-SC/01 for the Citrus County Central Landfill Phase 3 Expansion Project, and on behalf of Citrus County Board of County Commissioners (BOCC), SCS Engineers (SCS) is providing the Monthly Progress Report for the above-referenced project. The Monthly Progress Report covers the time period from August 15, 2010 to September 14, 2010 and includes the following:

- 1. Updated construction schedule.
- 2. A narrative explaining the status (and any delays) of major stages of the construction (i.e., liner, piping, liner penetrations, etc.).
- 3. Weekly progress meeting minutes.
- 4. Problem or work deficiency meeting minutes.
- 5. A summary of submittals and change order requests.
- 6. Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction (i.e., biaxial reinforcing geogrid installation, leachate trench construction, Phase 2 liner tie-in, etc.). Photographs shall be date stamped.

Please place this Monthly Progress Report No. 3 - August 15, 2010 to September 14, 2010 into the 3-ring project binder that was previously submitted to FDEP in July 2010.

Mr. Steve Morgan Monthly Progress Report No. 3 - August 15, 2009 to September 14, 2010 September 15, 2010 Page 2

# PROJECT OVERVIEW/CHANGE ORDERS

- 1. Notice to Proceed was issued by Citrus County on July 5, 2010.
- 2. Substantial Completion of the project was revised to 185 calendar days 1/5/2011.
- 3. Final Completion of the project was established as February 4, 2010.
- 4. Change Order No. 1013 Access Road Auxiliary Work (previously Change Order No. 1004). This added 5 days to the project schedule.

# CONSTRUCTION ACTIVITIES/PROJECTED SCHEDULE

The following construction activities were conducted during the above-mentioned reporting period.

- 1. Access Road was turned over to the County on August 27, 2010. There are still erosion issues on the south slope of the access road that will need to be addressed. Comanco will stabilize and place sod once the area is dry.
- 2. Part of the Triplanar material arrived on site September 13, 2010. Batches 3 and 4 still need to be tested.
- 3. Constructed an access road into the Phase 3 cell.
- 4. Constructed a water retention pond to manage storm water running into the Phase 3 Expansion area. Any water collected in the water retention pond will be pumped into the existing perimeter ditch.
- 5. Geosynthetic installation is scheduled to begin around September 20, 2010.
- 6. Weekly Construction Progress Meeting No. 6 was conducted on August 19, 2010.
- 7. Weekly Construction Progress Meeting No. 7 was conducted on August 26, 2010.
- 8. Weekly Construction Progress Meeting No. 8 was conducted on September 2, 2010.
- 9. Weekly Construction Progress Meeting No. 9 was conducted on September 9, 2010.

Please refer to the construction schedule provided by Comanco Environmental Corporation (Comanco) contained in Attachment A.

# CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS

- 1. Weekly Construction Progress Meeting No. 6 was conducted on August 19, 2010.
- 2. Weekly Construction Progress Meeting No. 7 was conducted on August 26, 2010.
- 3. Weekly Construction Progress Meeting No. 8 was conducted on September 2, 2010.
- 4. Weekly Construction Progress Meeting No. 9 was conducted on September 9, 2010

Mr. Steve Morgan Monthly Progress Report No. 3 - August 15, 2009 to September 14, 2010 September 15, 2010 Page 3

# SUMMARY OF SUBMITTALS

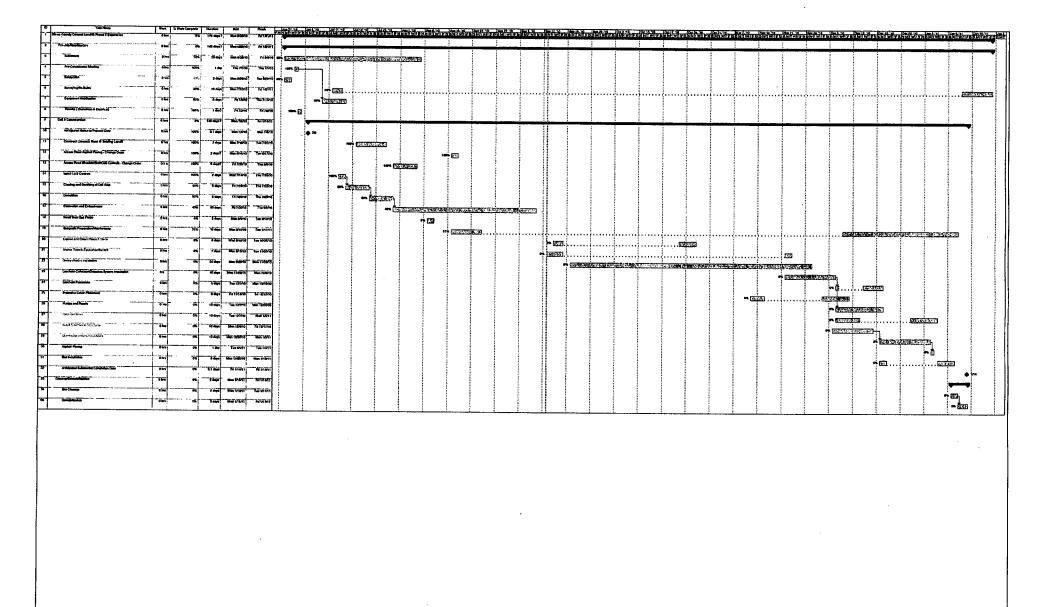
A summary of the submittals reviewed to date by SCS for the project is provided in Attachment B.

# **PHOTOGRAPHS**

Please refer to Attachment C for photographs that are representative of the construction activities conducted during the above-mentioned reporting period.

Please do not hesitate to call should you have any questions or require additional information.

# ATTACHMENT A CONSTRUCTION SCHEDULE



12777 Sea

#### ATTACHMENT B

WEEKLY CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS AND CONSTRUCTION SUBMITTAL LOGS

# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

August 19, 2010, 10:00 A.M.

#### PROGRESS MEETING NO. 6 MINUTES

The following are the progress meeting minutes for Meeting No. 6 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 6. The date is August 19, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in.

#### **List of Attendees**

a) Citrus County

Casey Stephens	352-527-7670	casey.stephens@bocc.citrus.fl.us
Mike Wimer	352-212-1826	mike.wimer@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@scsengineers.com
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c) Comanco Environmental Corporation

Justin Endsley	813-918-1441	jendsley@comanco.com
Troy Watral	813-714-0980	twatral@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com

#### 1) Progress Meeting #5

a) Meeting Minutes

No comments from the County or Comanco concerning the Progress Meeting Minutes No. 5.

#### b) Unfinished business

- Comanco indicated that they have concerns about soils and synthetics testing. Comanco has indicated that the staging area is all ready and is anxious to deliver to the site. Comanco indicated that everything is special order and requires being stored in an organized manner.
- Comanco indicated that the rain tarp conformance testing still needs to be setup.
- Comanco anticipates paving to be initiated and completed on Friday August 20, 2010.

#### 2) Project Schedule

- a) Current progress as it relates to the approved schedule
- b) Work Planned
  - Access Road
    - i) Initiate and complete paving of the access road on Friday, August 20, 2010.
    - ii) Final sodding and cleanup.
    - iii) Acceptance walk-through after progress meeting.
  - Phase 3 Earthwork
    - i) Managing the stormwater running into cell 3.
    - ii) Preparing to set dewatering pumps.
    - iii) Vegetative soil is being removed from cell 3.
  - Hauling
    - i) Diamond "C" transport onsite
- c) Equipment on Site

One dozer, one roller, one excavator, one water truck, one track-hoe, 5 men onsite.

August 19, 2010 Progress Meeting No. 6 Minutes Page 3

d) Working Hours

Will remain the same.

#### 3) Field Orders, Change Orders

- Change Order No. 1004 will be provided with adjustments to quantities.
- Change Order No. 1006 work breakdown for Superintendent Bill Newman will be provided within the next couple days.

#### 4) Construction Conflicts

#### 5) Contractor's Submittals Status

- a) Shop Drawings
  - SCS indicated that they still need the preconstruction survey.
- b) Submittals
- c) RFI's

#### 6) Contractor Issues

- Comanco requested that the access road not be used until after the acceptance of the road.
- Comanco requested that SCS and the County review the access road into the existing cell. Comanco indicated that there is a 20-ft drop from the active working area into cell 3. SCS indicated that they will review the fill sequence plan that was submitted with the Operations Permit Renewal Application.

#### 7) County Issues

None at this time.

#### 8) Consultant's Issues

• Every lift (12-inch thick lifts) will need to be tested for densities. SCS indicated that the soil CQA testing frequencies for the subbase/subgrade of liner system construction will be doubled for the first five acres (i.e., 4/acre/lift) versus the soil CQC testing frequency of 2/acre/lift.

August 19, 2010 Progress Meeting No. 6 Minutes Page 4

#### 9) Site Safety and Housekeeping

Site Safety documentation will be submitted to SCS and Citrus County.

#### 10) Other Issues

None at this time

#### 11) Weekly Progress Meeting Schedule and Time

- Weekly Progress Meeting No. 7 will be at the office trailer next week August 26, 2010, 10:00 a.m.
- The walk through of the access road will be held after Progress Meeting No. 7.
- The pre-liner meeting date will be addressed at the next meeting.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 6

# August 19, 2010, 10:00 A.M.

# SIGN IN SHEET

NAME	<b>COMPANY</b>	CELL PHONE	<u>EMAIL</u>
BILL HEWMAN	Commore	813-434-5435	brown @ Commen Com
JUSTIN ENDSLEY	COMANCO	813-918-1441	jendsley @ comanco.com
Tray Watral	Comanco	813-714-0980	twatel @ comarco.com.
Mike Wimer	citrus co <del>comune</del> o	352-212-1826	Mike. Wimer @ Box. Citrus. A.
CaseyStephens	Citrus Co	352-302-6980	casey. stephense bocc. citrus. fl. us
Domingue Branlett	SCS Angreens	813-417-7597	Ibramlet @ Scscoyners. van

# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

August 26, 2010, 10:00 A.M.

#### **PROGRESS MEETING NO. 7 MINUTES**

The following are the progress meeting minutes for Meeting No. 7 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 7. The date is August 26, 2010 and the time is approximately 10:10 a.m. A sign in sheet is being passed around, everyone please sign in.

#### List of Attendees

a) Citrus County

Casey Stephens 352-527-7670 casey.stephens@	bocc.citrus.fl.us
---------------------------------------------	-------------------

b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@scsengineers.com
Kurt Peterson	813-220-3898	kpeterson@scsengineers.com

c) Comanco Environmental Corporation

Justin Endsley	813-918-1441	jendsley@comanco.com
Troy Watral	813-714-0980	twatral@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com

#### 1) Progress Meeting #6

a) Meeting Minutes

August 26, 2010 Progress Meeting No. 7 Minutes Page 2

No comments from the County or Comanco concerning the Progress Meeting Minutes No. 6.

#### b) Unfinished business

- Preconstruction survey. SCS questioned on the status of the preconstruction survey.
- Pay Application No. 2. SCS will forward an original to the County.
- Conformance testing Biplanar and Triplanar. Conformance testing has been received conformance testing results from TRI and so far the materials meet the specifications.

#### 2) Project Schedule

- a) Current progress as it relates to the approved schedule
  - Some delays occurred due to the rain, over 4" in the last 48 hours.
  - Comanco will not work on September 6, 2010.

#### b) Work Planned

- Access Road
  - i) Final walk through of access road after progress meeting. Comanco requested that areas where the sod eroded south of the access road would like for these areas to dry prior to reestablishing with compacted soils and new sod.
- Phase 3 Earthwork
  - i) Continue earth cutting/fill.
  - ii) Managing stormwater runoff into Phase 3 area.
  - iii) Installing dewatering pumps.
- Hauling
  - i) Diamond "C" transport onsite

#### c) Equipment on Site

One dozer, one roller, one excavator, one water truck, one track-hoe, four men onsite.

August 26, 2010 Progress Meeting No. 7 Minutes Page 3

#### d) Working Hours

Will remain the same.

#### 3) Field Orders, Change Orders

- Change Order Request No. 1006 Surveying Delays will be submitted to the County early next week.
- Change Order Request No. 1004 Access Road Ancillary Work will be revised and submitted to SCS for review.

#### 4) Construction Conflicts

#### 5) Contractor's Submittals Status

- a) Shop Drawings
- b) Submittals
- c) RFI's

#### 6) Contractor Issues

- Access Road There are some erosion issues on the access road. Comanco
  indicated that the rip rap was pulled down to the bottom of the ditch. Thus
  Comanco proposes to add some piping and line the end of the ditch with rip rap.
- Hydraulic conductivity of the drainage cover soil is still needed. Comanco
  emphasized how critical it is to get the tests done so there is no delay in the
  project.

#### 7) County issues

None at this time.

#### 8) Consultant's Issues

 Pay Application No. 3 - the change orders should be listed separately so that the contract quantities remain unchanged.

- SCS indicated that a pretest is needed for soil. SCS indicated that they will
  discuss with PSI so this test is completed and recommended that Comanco do the
  same with Universal.
- SCS would like to see a mapping system to illustrate the density testing location.
   Comanco stated that there will be a drawing in the field trailer delineating the location of tests from Universal and PSI.

#### 9) Site Safety and Housekeeping

Site Safety documentation will be submitted to SCS and Citrus County.

#### 10) Other Issues

None at this time

#### 11) Weekly Progress Meeting Schedule and Time

- Weekly Progress Meeting No. 8 will be at the office trailer next week September 2, 2010, 10:00 a.m.
- The pre-liner meeting date will be held the 3rd week of September or within 1 week of actual liner installation.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 7

# August 26, 2010, 10:00 A.M.

#### SIGN IN SHEET

<u>NAME</u>	<b>COMPANY</b>	CELL PHONE	<u>EMAIL</u>
Casey Stephens	Citrus Co	352-302-6980	casey. stephense bou. citrus. fl. us
Bill HEwman	Commen	813-434-5435	brewman & semmae - sem
JUSTIN ENDSLEY	Comanico	813- 918- 1441	jendsley @ comanco.com
Troy Watral	Comanco	813-714-6980	twatral @ comanco, com
KUET PETERSON	SCS ENGINEERS	813-220-3878	450 Kp515250 (4) 505 50 (1) 5525.00m
Dominique beautett	SCS Enguiers	813-412-2597	dbrambett Q sczengneers com
		·	

# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

September 2, 2010, 10:00 A.M.

#### **PROGRESS MEETING NO. 8 MINUTES**

The following are the progress meeting minutes for Meeting No. 8 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 8. The date is September 2, 2010 and the time is approximately 10:05 a.m. A sign in sheet is being passed around, everyone please sign in.

#### List of Attendees

a) Citrus County

Casey Stephens 352-527-7670	casey.stephens@bocc.citrus.fl.us
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b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@scsengineers.com
Kurt Peterson	813-220-3898	kpeterson@scsengineers.com

c) Comanco Environmental Corporation

Justin Endsley	813-918-1441	jendsley@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com

#### 1) Progress Meeting #7

a) Meeting Minutes

Citrus County has not gone through progress meeting number 7. Comments will be given prior to submittal to FDEP.

#### b) Unfinished business

SCS went through the status of the conformance testing:

- SCS received the testing results for all the biplanar geocomposite. The testing results meet specifications.
- SCS received the testing results for the first 2 batches of the triplanar geocomposite. TRI is waiting on additional roll lists from Syntec before collecting more samples. Samples will be collected as material becomes available. According to Comanco Syntec will not put batches 3 and 4 in production until they ship batches 1 and 2 to the site.
- SCS received the testing results for the rain tarp. It appears that the trapezoidal tear is a little shy from the specifications. Retesting will be required. SCS will contact the Raven Industries to submit additional samples to be retested.
- The GCL testing will be completed later today or on Friday.
- TRI is working with Tencate on geogrid samples. Miragrid 5XTBD is available for sampling. TRI received information from Tencate that they performed ASTM D6637 using Method B, multiple ribs so TRI will perform the same test. TRI has not yet received a roll list for Miragrid 22XT. Tencate will forward to TRI once the material is ready.
- TRI indicated that there was a miscommunication between the plant and the sampling technician when the 16 oz geotextile arrived at TRI it was mislabeled. The results that SCS received were not for this project. TRI indicated that the sample of the 16 oz geotextile will arrive at TRI today.

SCS is waiting on the following two submittals:

Dewatering Plan and Preconstruction Survey. SCS has received the preconstruction survey but still needs corrections to meet specifications. After the meeting SCS and Comanco contacted the surveyor and discussed the changes needed to meet specifications (i.e., did not meet the required scale of 1" = 40' and the 50 ft grid).

#### 2) Project Schedule

- a) Current progress as it relates to the approved schedule
  - Access road was turned over to the County.

#### b) Work Planned

- Access Road
  - i) Sod will be placed on the eroded areas once the areas are dry.
- Phase 3 Earthwork
  - i) Continue earth cutting/fill.
  - ii) Managing stormwater runoff into Phase 3 area.
  - iii) Installing dewatering pumps.
- Hauling
  - i) Diamond "C" transport onsite.
- c) Equipment on Site

One dozer, one roller, one excavator, one water truck, one track-hoe, four men onsite. 16" casing on site

d) Working Hours

No changes to the working hours. Comanco will not work on Monday September 6, 2010.

#### 3) Field Orders, Change Orders

• MW-4R -- SCS submitted an email to FDEP to indicate that there is a piezometer MW-4R, previously monitoring well MW-4, which is located in the proposed perimeter ditch. SCS indicated that there are two additional groundwater monitoring wells that are being added to the site monitoring system as part of the Phase 3 Expansion and SCS suggested that this piezometer be abandoned in accordance with DEP standards. SCS submitted a drawing showing the location of MW-4R (i.e., between and relatively close to MW-5 and the proposed MW-20) when considered in tandum should be sufficient to establish groundwater elevations in that area. SCS will forward the information to the County and Comanco once they hear back from FDEP.

#### 4) Construction Conflicts

 Road coming into the Phase 3 cell -- Comanco indicated concerns that the south access road into the Phase 3 cell would have a 23 ft drop at the location of the September 2, 2010 Progress Meeting No. 8 Minutes Page 4

liner tie-in with Phase 2 and the new Phase 3 cell. Comanco indicated that the existing road on the south side would have to be demolished and relocated. After the meeting we went to the site to discuss what Comanco is proposing to do to remediate the 23 ft drop. SCS will provide direction once the liner is located.

#### 5) Contractor's Submittals Status

- a) Shop Drawings
- b) Submittals
- c) RFI's

#### 6) Contractor Issues

#### 7) County Issues

The County indicated that Pay Application No. 2 is in Finance.

#### 8) Consultant's Issues

SCS provided the original Pay Application No. 3 to the County for approval.

#### 9) Site Safety and Housekeeping

Site Safety documentation will be submitted to SCS and Citrus County.

#### 10) Other Issues

None at this time

#### 11) Weekly Progress Meeting Schedule and Time

• Weekly Progress Meeting No. 9 will be at the office trailer next week September 9, 2010, 10:00 a.m.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 8

September 2, 2010, 10:00 A.M.

# SIGN IN SHEET

<u>NAME</u>	COMPANY	CELL PHONE	<u>EMAIL</u>
Dominique Branlett	SCS Engilbeers	813-417-7597	dbrambett @ sesenguars.com
LINSTIN ENDSLEY	COMANCO	813-918-1441	jendsley@ comanco.com
Bill NEwman	Commoo	813-434-5435	hnewman @ commence.com
Casey Stephens	CHOUS CO.	352-527 6880	casey. stephense bocc. citrus. fl. us

# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

September 9, 2010, 10:00 A.M.

#### PROGRESS MEETING NO. 9 MINUTES

The following are the progress meeting minutes for Meeting No. 9 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 9. The date is September 9, 2010 and the time is approximately 10:20 a.m. A sign in sheet is being passed around, everyone please sign in.

#### List of Attendees

a) Citrus County

Casey Stephens 352-527-7670 <u>casey.stephens@bocc.citrus.fl.us</u>

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u> Kurt Peterson 813-220-3898 <u>kpeterson@scsengineers.com</u>

c) Comanco Environmental Corporation

Justin Endsley813-918-1441jendsley@comanco.comBill Newman813-434-5435bnewman@comanco.com

#### 1) Progress Meeting #7 and #8

a) Meeting Minutes

No comments on progress meeting #7 and #8.

#### b) Unfinished business

- MW-4R -- SCS received notification from FDEP that they do not object to the abandonment of MW-4R. MW-4R has been used as a piezometer to characterize the amount of ground water mounding near the leachate effluent percolation ponds. FDEP indicated that water level data from the proposed detection well MW-20 on the north side of Phase 3 should be sufficient for this purpose. SCS will revise the monitoring plan and monitoring well figure to indicate that MW-4R will be abandoned. These revisions will be incorporated in the responses to Request for Additional Information (RAI No. 3) for the Operations Permit Renewal.
- Pay Application No. 2 and No. 3 -- Casey indicated that these were submitted to Finance.

#### 2) Project Schedule

- a) Work Completed Since Last Meeting
  - Water retention pond complete.
- b) Work Planned

Comanco indicated that the deployment of liner will be pushed back by a couple weeks. The target date is now October 4th or 5th. A pre-liner meeting is tentatively scheduled for September 30th after the weekly meeting. Comanco indicated that a revised schedule will be submitted by Tuesday September 14, 2010 to include in the next monthly report to FDEP.

- Access Road
  - i) Sod will be placed on the eroded areas once the areas are dry.
- Phase 3 Earthwork
  - i) Continue earth cutting/fill.
  - ii) Rough grading access road into cell.
  - iii) Remove asphalt road into cell.
- Managing the Storm Water Running into Cell 3
  - i) Working on setting and activating pumps.

#### Hauling

Comanco indicated that deliveries of materials to the site would occur Monday through Thursday if possible. No deliveries should be made on Saturdays or Sundays.

- i) Diamond "C" Transport sub onsite.
- ii) Syntec (triplanar material batches 1 and 2) should arrive on site Monday.

#### c) Equipment on Site

One dozer, one roller, one excavator, one water truck, one track-hoe, five men onsite. 16" casing on site

#### d) Working Hours

No changes to the working hours.

#### 3) Field Orders, Change Orders

- Rain Flap -- Comanco will submit an RFI to request additional information on the rain flap.
- Valves and Accessories -- Comanco indicated that they are making good progress on this submittal. Comanco requested that SCS consider a cast iron valve box in lieu of a HDPE or PVC box. SCS will review and submit comments at or before the next weekly meeting.

#### 4) Construction Conflicts

 Road coming into the Phase 3 cell -- Comanco reiterated their concerns about the south access road into the Phase 3 cell. SCS is still requesting that the liner depth be located in order to provide direction. Comanco constructed a new access road into the Phase 3 cell west of the existing road.

#### 5) Contractor's Submittals Status

- a) Shop Drawings
  - Dewatering Plan -- SCS questioned the status of the dewatering plan.
  - Preconstruction Survey -- Comanco submitted the revised preconstruction survey.

#### b) Submittals

September 9, 2010 Progress Meeting No. 9 Minutes Page 4

c) RFI's

#### 6) Contractor issues

Access road into the Phase 3 Cell.

#### 7) County issues

None.

#### 8) Consultant's Issues

None.

#### 9) Site Safety and Housekeeping

Site Safety documentation will be submitted to SCS and Citrus County.

#### 10) Other Issues

None at this time

# 11) Weekly Progress Meeting Schedule and Time

• Weekly Progress Meeting No. 10 will be at the office trailer next week September 16, 2010, 10:00 a.m.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 9

# September 9, 2010, 10:00 A.M.

# SIGN IN SHEET

NAME	COMPANY	CELL PHONE	<b>EMAIL</b>
Doninique Brankett	SCS Enghoess	813-651-0080	dovament @ scscup noess com
Bill Newman	Сотипео	813-434-5435	brewmen @ commen .com
JUSTIN ENDSLEY	COMANCO	813-918-1441	jendsley @ Comarko . com
Troy Watral	Comanco	813-714-0980	twatral @ comanco. com
Casey Stephens	Citros Co	352-302-6980	casey. stephense bace-citrus flus
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# **CHANGE ORDER LOG**

Project Name: Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06 Log Updated: 8/30/10

Change Order Number	Description of RFI	Date Received	Date Returned	Comment
			07/12/10 Comanco's email to Casey	07/27/10 Submitted to client for their review. SCS provided a proposal for this work plus for the installation of an additional well. Comanco
1001	Monitoring Well MW-20 \$6,572.00	07/12/10	07/30/10 requested additional information	indicated to double the price if there needs to be 2 wells.
1002	Access Road Paving - 2 additional days requested \$31,775.00	07/19/10	07/20/10	Recommend Approval \$31,775.00
1003_	Additional Insurance \$3,645.00	07/19/10	07/23/10	Recommend Approval \$3,645.00
1004	Access Road Auxiliary Work - 5 additional days requested \$56,432.85	07/30/10	07/30/10 & 08/02/10	Make Changes and Resubmit
1005	MW-20 and MW-21 \$13,144.00	08/10/10	08/11/10	Will not be part of this contract per Casey Stephens on 8/10/10
1006	Surveying Control Delays \$5,120.00	08/09/10	08/11/10	Requested detail work description
1013	Access Road Auxiliary Work - 5 additional days requested \$50,246.05	08/27/10	08/30/10	Recommended Approval \$50,246.05
			· · ·	
	· · · · · · · · · · · · · · · · · · ·			

Project Name:

Submittal

Citrus County Central Landfill

Phase 3 Expansion Project

Project No.:

09207049.06

**Date** 

Log Updated: 09/13/2010

**Specification** 

**Date** 

Number	Description	Reference	Received	Status ¹	Returned
Pay Application	ons		·	<del></del>	- <del> </del>
. ay rippiround				MC	07/08/10 emailed with question on HUB invoice
Pay App No. 1	Pay Application No. 1	01 20 00	07/01/10	NE	07/09/10
Pay App No. 2	Pay Application No. 2	01 20 00	07/22/10	NE	07/23/10
Pay App No. 3	Pay Application No. 3	01 20 00	08/24/10	NE	08/31/10
013010 Contra	actor Submittals				
013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	мс	07/07/10 email
013010-01B	Preliminary Schedule	01 30 10-1.01	07/08/10	NE	07/08/10 email
013010-02A	Excavation Plan	01 30 10-1.01	07/01/10	NE	07/08/10 email
013010-03A	Health and Safety Plan	01 30 10-1.01	07/01/10	MC	07/11/10 email
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	AR NE	07/15/10 email 08/04/10 email
013010-04A	Quality Control (QC) Plan	01 30 10-1.01	07/01/10	MC	07/11/10 email
013010-04B	Quality Control (QC) Plan	01 30 10-1.01	07/21/10	NE	07/21/10 email

¹ Status

013010-05A

013010-06A

013010-06B

013010-07A

NE - No Exceptions Taken

Health and Safety Officer

Project Work and Spec

**Compliance Confirmation** 

**Erosion and Pollution Control Plan** 

Erosion and Pollution Control Plan

Documentation

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

01 30 10-1.01

01 30 10-1.01

01 30 10-1.01

01 30 10-1.01

Page 1

NE

RR

NE

NE

07/16/10

07/01/10

07/29/10

07/21/10

07/16/10

email 07/08/10

email 08/05/10

email 07/21/10 email

requested

signed letter

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u> Log Updated: <u>09/13/2010</u>

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
			11.0001100	Olaido	Hotarriou
					08/11/10
013010-08A	Quality Control Testing Log	01 30 10-3.16	08/04/10	NE	email
	Preliminary Schedule of Shop			· · · · · · · · · · · · · · · · · · ·	07/11/10
013010-09A	Drawing Submittals	01 30 10-1.01	07/01/10	MC	email
<u>.</u> .	Preliminary Schedule of Shop				07/15/10
013010-09B	Drawing Submittals	01 30 10-1.01	07/14/10	MC	email
012010 104	Dun construction Vide		00/40/40		08/24/10
013010-10A	Preconstruction Video	<u> </u>	08/19/10	NE_	email
015001 Field	Engineering and Surveying				
·					07/09/10
					email
	Linear and Brands				requesting
015001-01A	Licensed Professional Land	04 50 04 4 04	07/00/10		verification
015001-01A	Surveyor Licensed Professional Land	01 50 01-1.04	07/08/10	MC	of licensure
015001-01B	Surveyor	01 50 01-1.04	07/15/10	NE	07/15/10 email
0.0001 012	04.70,07	01 00 01 1.04	07710710	142	08/05/10
					email and
					discussed
	Survey Certifying Locations and				over the
045004.004	Elevations are in Conformance			`	phone with
015001-02A	with Contract Documents	01 50 01-1.04	07/28/10	AR	JE
					09/03/10
	-				email and discussed
	Survey Certifying Locations and				at
	Elevations are in Conformance				construction
015001-02B	with Contract Documents	01 50 01-1.04	08/30/10	AR	meeting
015001-03A	Record Drawings (As-Builts)	01 50 01-1.04			
045004 044	Field Surveyor's Log signed and				
015001-04A	Sealed (Copies)	01 50 01-1.04			
015005 Mobili	zation and Demobilization				
	Required Insurance Certificates				
015005-01A	and Bonds	01 50 00-1.01			
016000 Materi	als and Equipment		-		
	Manufacturer's Instructions on				
	Product Delivery, Storage, and				
016000-01A	Handling	01 60 00-1.03	This is sub	omitted w	ith products
025316 Leach	ate Collection, Detection Pump	· · · · · · · · · · · · · · · · · · ·			

1 Status NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Page 2

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 09/13/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date
- Maniber	Description	neielelice	Received	Status	Returned
	Manufacturer Prepared Shop			1	08/18/10
025316-01A	Drawings	02 53 16-1.03	08/18/10	мс	email
		32 33 13 110	33, 13, 13		08/23/10
025316-02A	Operating Instructions	02 53 16-1.03	08/18/10	NE	email
	Equipment Warranty and				
025316-03A	Certification Form	02 53 16-1.03	<u> </u>		
025615 Geos	ynthetic Clay Liner		•		
					08/11/10
025615-01A	GCL Manufacturer's Qualifications	02 56 15-1.05	08/02/10	NE	email
005615 004	In atallaria Constitution				08/06/10
025615-02A	Installer's Qualifications	02 56 15-1.05	08/03/10	NE	email
025615-03A	Physical Sample of GCL Used in Final Construction	00 56 15 1 05	İ		
025015-00A	Tirial Construction	02 56 15-1.05	<del> </del>		08/13/10
025615-04A	GCL Installation Plan	02 56 15-1.05	08/10/10	NE	email
	Certificate of Subsurface	02 00 10 1.00	00/10/10	INL	Giliali
025615-05A	Acceptability	02 56 15-1.05			
	Warranties and Warranties	**			
025615-06A	Conditions	02 56 15-1.05			
005045.074					07/17/10
025615-07A	GCL Product Data Sheet	02 56 15-1.05	07/16/10	NE	email
025615-08A	GCL Construction Quality Assurance Manual	00 50 45 4 05	00/04/40		08/06/10
023013-00A	GCL Manufacturer's Installation	02 56 15-1.05	08/04/10	NE	email
025615-09A	Guide	02 56 15-1.05	08/04/10	NE	08/11/10 email
		02 00 10-1.00	00/04/10	IVL	08/11/10
025615-10A	GCL Sample Warranties	02 56 15-1.05	08/10/10	NE	email
					09/01/10
025615-11A	GCL Roll Certifications	02 56 15-1.05	08/30/10	NE	email
0290/11 Georgy	nthetic Rain Tarp				
OZUGTI GEOSY	Manufacturer's Tests Specs, Install	<del></del>	<del></del>	- Т	
029041-01A	Instructions, and Roll Dimensions	02 90 41-1.02			
	serie, and the billionology	32 00 TI-1.02		-	09/01/10
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02	08/30/10	NE	email
					07/17/10
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10	NE	email
					07/17/10
029041-04A	Rain Tarp Product Data Sheet	02 90 41-1.02	07/16/10	NE	email
160000 Electri	cal				
. Journal Michigan	<b>▼</b> • • • • • • • • • • • • • • • • • • •				

¹ Status

NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Page 3

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u>

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
160000-01A	Field Testing Booklet	16 00 00-3.8			
310519 Geote	extile				
	Manufacturer's Prequalifications,				
	Tests, Specs, Install Instructions, Roll Dimensions and Approval				07/17/10
310519-01A	Form (Non-Woven Geotextile)	31 05 19-1.02	07/14/10	NE	07/17/10 email
0.00.00.0	r sim (r sin trevent declexule)	01 00 10 1.02	07714710	i NL	08/23/10
310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02	08/18/10	NE	email
				MC	07/12/10
					email
	Product Data/Access Road Fabric		07/08/10		07/16/10
310519-03A	(Woven Geotextile)	31 05 19-1.02	07/15/10	NE	email
310520 Tripla	nar Geocomposite				
	Triplanar Manufacturer's	· · · · · · · · · · · · · · · · · · ·	T	Г	07/17/10
310520-01A	Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	email
	Triplanar Manufacturer's			7 % 1	08/13/10
310520-01B	Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	email
310520-02A	Triplanar Prequalifications	31 05 20-1.04			
					07/17/10
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	email
040500 044	Triplemen Bell Line 1 B				07/21/10
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	email
310520-05A	Triplanar Protection Method	01.05.00.1.04	00/04/40	NIE	08/11/10
310320-03A	Triplanar Material Data and	31 05 20-1.04	08/04/10	NE	email
310520-06A	Specifications	31 05 20-1.04	07/14/10	NE	07/17/10 email
0.0020 00,1	Manufacturer's Quality Assurance	01 00 20-1.04	01/14/10	111-	07/17/10
310520-07A	(MQC) Program	31 05 20-1.04	07/14/10	NE	email
	Triplanar Manufacturer's	01 00 20 1101	07711110	115	07/17/10
310520-08A	Installation Instructions	31 05 20-1.04	07/14/10	NE	email
	Manufacturer's Triplanar				08/13/10
310520-09A	Qualifications	31 05 20-1.04	08/12/10	NE	email
					08/16/10
310520-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10	AR	email
040500 405	Total and a Company				09/01/10
310520-10B	Triplanar Geonet Resin	31 05 20-1.04	09/01/10	NE	email
310520-11A	Triplanar Transmissivity Test	04.05.00.4.04	00/40/40		08/17/10
310320-11A	Results	31 05 20-1.04	08/12/10	NE	email

Project Name:

Citrus County Central Landfill Phase 3 Expansion Project

Project No.:

09207049.06

Triplanar MQC Production Dates 310520-12A and Test Results 31 05 20-1.0  310521 Biplanar Geocomposite  Biplanar Manufacturer's Experience of 5,000,000 sf 31 05 21-1.0  310521-02A Biplanar Prequalifications 31 05 21-1.0  310521-03A Biplanar Transmissivity 31 05 21-1.0	08/18/10	NE NE	08/17/20 email 08/20/10 email
310520-12A         and Test Results         31 05 20-1.0           310521 Biplanar Geocomposite           Biplanar Manufacturer's         31 05 21-1.0           310521-01A         Experience of 5,000,000 sf         31 05 21-1.0           310521-02A         Biplanar Prequalifications         31 05 21-1.0           310521-03A         Biplanar Transmissivity         31 05 21-1.0	08/18/10	<u> </u>	email 08/20/10
310521 Biplanar Geocomposite           Biplanar Manufacturer's         310521-01A         310521-01A         310521-01A         310521-02A         310521-02A         310521-02A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         310521-03A         3	08/18/10	<u> </u>	08/20/10
Biplanar Manufacturer's	)4	NE	
310521-01A         Experience of 5,000,000 sf         31 05 21-1.0           310521-02A         Biplanar Prequalifications         31 05 21-1.0           310521-03A         Biplanar Transmissivity         31 05 21-1.0	)4	NE	
310521-02A Biplanar Prequalifications 31 05 21-1.0 310521-03A Biplanar Transmissivity 31 05 21-1.0	)4	NE	email
310521-03A Biplanar Transmissivity 31 05 21-1.0			
	)4	i i	
	1		07/21/10
310521-04A Biplanar Roll Layout Drawings 31 05 21-1.0	07/13/10	NE	email
			08/23/10
310521-05A Biplanar Protection Method 31 05 21-1.0	08/18/10	NE	email
Biplanar Material Data and			07/17/10
310521-06A Specifications 31 05 21-1.0	07/14/10	NE	email
Manufacturer's Quality Assurance			08/23/10
310521-07A (MQC) Program 31 05 21-1.0	04 08/18/10	NE	email
Biplanar Manufacturer's Installation	00/00/40		09/01/10
310521-08A Instructions 31 05 21-1.04	08/30/10	NE	email
Manufacturer's Biplanar 310521-09A Qualifications 31 05 21-1.04	.a		•
310521-09A Qualifications 31 05 21-1.04	)4		
310521-10A Biplanar Geonet Resin 31 05 21-1.04	)4		
Biplanar Transmissivity Test	.		08/25/10
310521-11A Results 31 05 21-1.04	08/18/10	NE	email
Biplanar MQC Production Dates	. 1		
310521-12A and Test Results 31 05 21-1.04	04		20110110
Biplanar Manufacturer's Production 310521-13A Dates and Test Results 31 05 21-1.04	4 00/00/40		09/13/10
310521-13A   Dates and Test Results   31 05 21-1.04	4 09/09/10	NE	email
312000 Excavation, Backfill, and Grading			
312000-01A Borrow Source Qualification 31 20 00-1.04			
QC Geotechnical Lab Data and	r r		
312000-02A Results 31 20 00-1.04	4		
312000-03A QC Consultant Qualifications 31 20 00-1.04	4		
312000-04A CQC Consultant Final Report 31 20 00-1.04	4		
312000-05A Record Drawings of Subbase 31 20 00-1.04			

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.:

09207049.06

Submittal		Specification	Date		Date
Number	Description	Reference	Received	Status ¹	Returned
		•		1	ced in 2
				1	als 321216-
312000-06A	Access Road Testing	31 20 00-1.04	08/02/10	01A and	321216-03A
313219 Geogi	rid				
	Geogrid Manufacturer's				08/23/10
313219-01A	Qualifications	31 32 19-1.04	08/19/10	AR	email
					07/23/10
313219-02A	Geogrid Installation Plan	31 32 19-1.04	07/22/10	NE	email
					08/02/10
313219-03A	Geogrid Warranties	31 32 19-1.04	07/22/10	NE	email
	Geogrid Resin Info and Quality				08/04/10
313219-04A	Control Certificates	31 32 19-1.04	07/22/10	AR	email
	Geogrid Manufacturer Material Info				08/02/10
040040 054	and Quality Control Certificates		07/22/10	AR	8/24/10
313219-05A		31 32 19-1.04	8/24/10	NE	(see -07A)
040040 004	Geogrid Loading, Unloading, and				07/19/10
313219-06A	Storage Recommendations	31 32 19-1.04	07/19/10	NE	email
040040 074	On a serial Dath On street	0.00.00.00			08/25/10
313219-07A	Geogrid Roll Certifications	31 32 19-1.04	08/24/10	NE	email
313219-08A	Geogrid Record Drawings	31 32 19-1.04			
	Geogrid Material Data (Biaxial				07/17/10
313219-09A	Geogrid)	31 32 19-1.04	07/14/10	NE	email
,	10XT Uniaxial Geogrid Leachate				08/13/10
313219-10A	Exposure		08/09/10	RR	email
					08/19/10
313219-11A	Uniaxial Geogrid	313219-1.04	08/17/10	NE	email
316223 Cast-li	n-Place Concrete				
	Cast-In-Place Concrete Product				
316223-01A	Data	31 62 23-1.05			
321216 Aspha	It Paving and Crushed Concrete				
					08/11/10
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE	email
321216-02A	Certification of Limerock Source	32 12 16-1.04			
	Composition Analysis for LBR Lab				08/11/10
321216-03A	Report	32 12 16-1.04	08/04/11	NE	email
329000 Seedir	ng and Sodding	· · · · · · · · · · · · · · · · · · ·			

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.:

09207049.06

Log Updated: 09/13/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
				<u> </u>	
329000-01A	Sod Species and Percentages of Purity	32 90 00-1.02			
330520 HDPE	Geomembrane Liner				
330520-01A	HDPE Manufacturer's Qualifications	33 05 20-1.04	08/04/10	NE	08/11/10 email
330520-02A	HDPE Fabricator Qualifications	33 05 20-1.04			
[·] 330520-03A	Installer Qualifications	33 05 20-1.04	08/11/10	NE	08/13/10 email
330520-04A	Material Warranty Geomembrane Resin Info and	33 05 20-1.04	08/11/10	AR	08/11/10 email
330520-05A	Quality Control Certificates  Geomembrane Manufacturer	33 05 20-1.04			
330520-06A	Material Info and Quality Control Certificates	33 05 20-1.04			
330520-07A	Extrudate Rod Resin Information	33 05 20-1.04	08/12/10	NE	08/16/10 email
330520-08A	HDPE Recommended Loading, Unloading, and Hauling Equipment	33 05 20-1.04	08/04/10	NE	08/11/10 email
330520-09A	List Indicating Correlation Between QC Certificates and Individual Rolls	33 05 20-1.04			
330520-10A	HDPE Installation Plan	33 05 20-1.04			
330520-11A	HDPE Resin Quality Control Certificate	33 05 20-1.04			
330520-12A	HDPE Manufacturer's Quality Control Roll Certificate	33 05 20-1.04			
330520-13A	Manufacturer and Installer Warranties	33 05 20-1.04			
330520-14A	HDPE Panel Layout As-Builts	33 05 20-1.04	07/13/10	NE	07/21/10 email
330520-15A	Subgrade Acceptance Certification HDPE Geomembrane Product	33 05 20-1.04			07/40/40
330520-16A	Data Sheet	33 05 20-1.04	07/16/10	NE	07/16/10 email
335110 Piping			<del>,</del>		
335110-01A	Piping Material Suppliers Certifications and Recommendations	33 51 10-1.02			

1 Status

NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

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Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Submittal		Specification	Date		Date
Number	Description	Reference	Received	Status¹	Returned
<del>, i</del>	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
	Manufacturer Certification of Resin				
335110-02A	Spec Compliance	33 51 10-1.02			
	Manufacturer Stress Regression				08/11/10
335110-03A	testing	33 51 10-1.02	08/02/10	AR	email
	Manufacturer Stress Regression				08/17/10
335110-03B	testing	33 51 10-1.02	08/13/10	NE	email
	Elbows and Fittings Details and		08/02/10	AR	08/13/10
335110-04A	Specs	33 51 10-1.02	08/20/10	NE	08/24/10
•	Flow Meter Manufacturer and			, , , , , ,	
335110-05A	Model Information	33 51 10-1.02			
005440 004					
335110-06A	Video Inspection Tape and Report	33 51 10-1.02			
335110-07A	Leak Testing Report	33 51 10-1.02			
000110-077	Leak resuring report	33 31 10-1.02	<u> </u>		
335110-08A	Certification of Piping Completion	33 51 10-1.02			,

# **REQUEST FOR INFORMATION LOG**

Project Name: Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06
Log Updated: 8/25/10

RFI		Date	Date	
Number	Description of RFI	Received	Returned	Comment
	Leachate Collection Header Detail on	<del></del>	· · · · · · · · · · · · · · · · · · ·	
	pg 11. Is geotextile wrap needed			
1	around the leachate piping.	07/20/10	07/20/10	Not recommended
				Provide supporting
2	Box Culvert	08/03/10	08/05/10	information
	DOD Cubrant Datail	00/00/40		Provided information
3	RCP Culvert Detail	08/06/10	08/11/10	as requested
4	Plug valves and butterfly valves	08/23/10	08/27/10	Provided information as requested
	·	00/20/10	. 00/2//10	as requested
				·
			-	
			1	
		<del></del>		
		·		
			<u> </u>	
				·
	·			
	<u>.</u>			

# ATTACHMENT C CONSTRUCTION PHOTOGRAPHS DURING REPORTING PERIOD

Citrus County Central Landfill Phase 3 Expansion Project Photos – August 16, 2010 to August 31, 2010 ITB 040-10

File Name	Date	Description
1	8-19-10	Phase 3 Cell facing east
2	8-19-10	Existing Asphalt Road to be demolished
3	8-19-10	Bottom of cell facing west
4	8-19-10	Existing Sump in bottom of cell
5	8-19-10	Access Road Shoulder
6	8-26-10	Access Road Shoulder
7	8-26-10	Access Road transition to active face
8	8-26-10	Existing sump in bottom of cell
9	8-26-10	Phase 3 Cell facing east
10	8-20-10	Access Road Paving
11	8-27-10	Access Road Finished
12	8-27-10	Access Road ditch



File 1



File 2

Citrus County Central Landfill Phase 3 Expansion Project Photos – August 16, 2010 to August 31, 2010 ITB 040-10



File 3

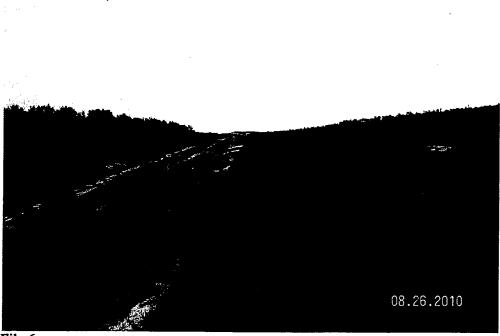


File 4

Citrus County Central Landfill Phase 3 Expansion Project Photos – August 16, 2010 to August 31, 2010 ITB 040-10



File 5



File 6



File 7



File 8

Citrus County Central Landfill Phase 3 Expansion Project Photos – August 16, 2010 to August 31, 2010 ITB 040-10





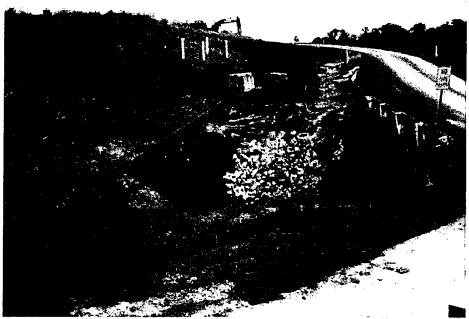


File 10

Citrus County Central Landfill Phase 3 Expansion Project Photos – August 16, 2010 to August 31, 2010 ITB 040-10



File 11



File 12

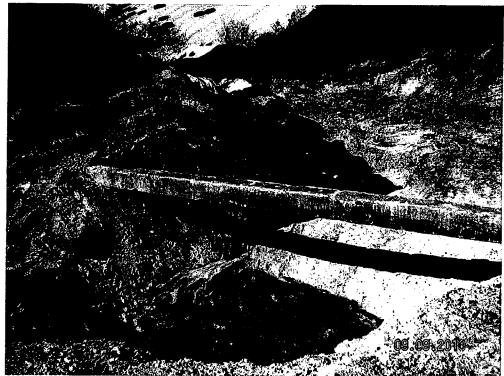
Citrus County Central Landfill Phase 3 Expansion Project Photos – September 1, 2010 to September 15, 2010 ITB 040-10

File Name	Date	Description
1	9-2-10	Phase 3 Cell facing east
2	9-9-10	West end sump area
3	9-2-10	Phase 3 Cell facing west
4	9-9-10	Existing Sump in bottom of cell
5	9-2-10	Temporary water retention pond
6	9-2-10	Placing liner in water retention pond
7	9-13-10	Retention pond after rain event
8	9-13-10	Bottom of cell facing west
9	9-7-10	Aerial facing North
10	9-7-10	Aerial facing South
11	9-7-10	Aerial facing East
12	9-7-10	Aerial facing West

Citrus County Central Landfill Phase 3 Expansion Project Photos – September 1, 2010 to September 15, 2010 ITB 040-10

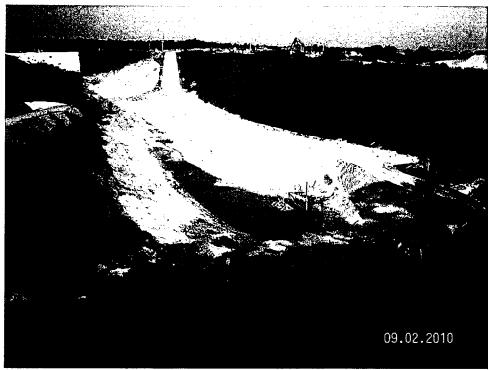


File 1



File 2

Citrus County Central Landfill Phase 3 Expansion Project Photos – September 1, 2010 to September 15, 2010 ITB 040-10

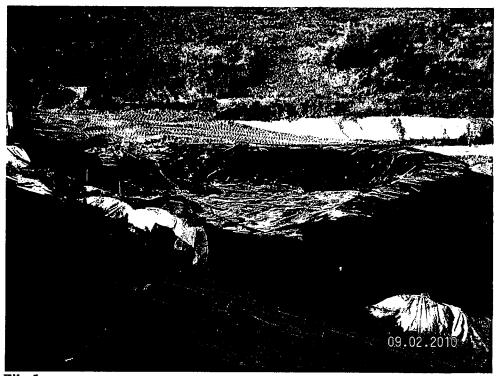


File 3

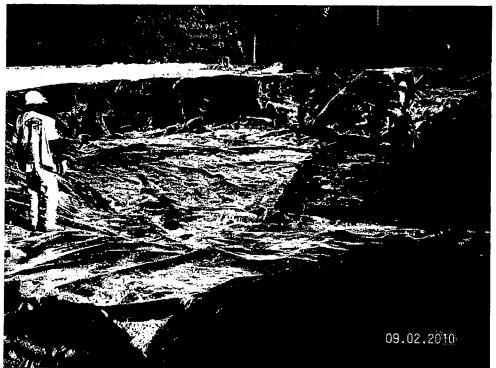


File 4

Citrus County Central Landfill Phase 3 Expansion Project Photos – September 1, 2010 to September 15, 2010 ITB 040-10



File 5

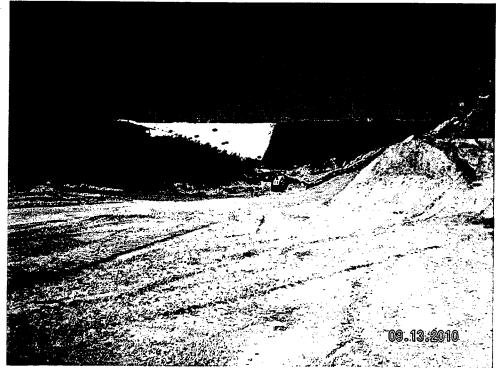


File 6

Citrus County Central Landfill Phase 3 Expansion Project Photos – September 1, 2010 to September 15, 2010 ITB 040-10



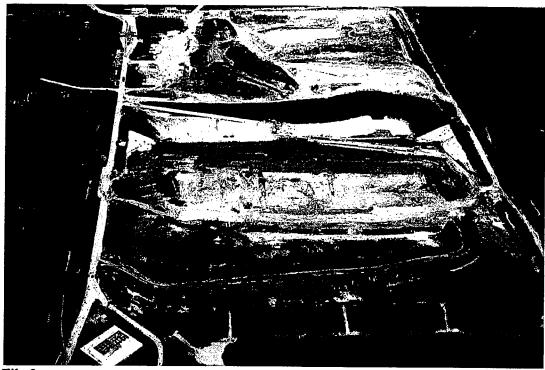




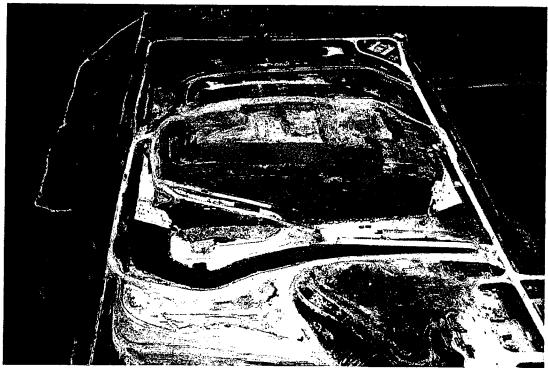
File 8

Page 5 of 7

Citrus County Central Landfill Phase 3 Expansion Project Photos – September 1, 2010 to September 15, 2010 ITB 040-10



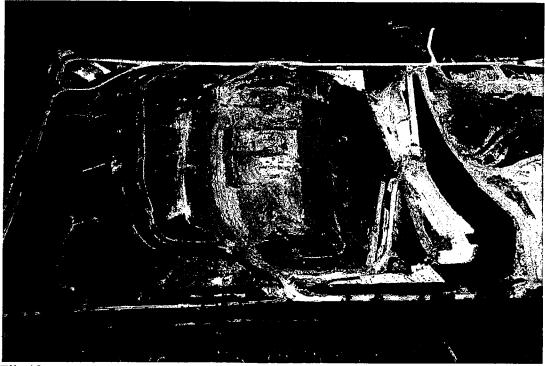
File 9



File 10



File 11



File 12

## SCS ENGINEERS

October 15, 2010 File No. 09207049.06

#### **MEMORANDUM**

TO:

Steve Morgan, Florida Department of Environmental Protection

FROM:

Dominique H. Bramlett, P.E., Senior Project Engineer DWS

C. Ed Hilton, P.E., Vice President CEH

COPY:

Casey Stephens, Citrus County

SUBJECT:

Monthly Progress Report No. 4 - September 15, 2010 to October 14, 2010

Citrus County Central Landfill Phase 3 Expansion Project

Permit Number 21375-013-SC/01

In accordance with Specific Condition B.6.b of Construction Permit Number 21375-013-SC/01 for the Citrus County Central Landfill Phase 3 Expansion Project, and on behalf of Citrus County Board of County Commissioners (BOCC), SCS Engineers (SCS) is providing the Monthly Progress Report for the above-referenced project. The Monthly Progress Report covers the time period from September 15, 2010 to October 14, 2010 and includes the following:

- 1. Updated construction schedule.
- 2. A narrative explaining the status (and any delays) of major stages of the construction (i.e., liner, piping, liner penetrations, etc.).
- 3. Weekly progress meeting minutes.
- 4. Problem or work deficiency meeting minutes.
- 5. A summary of submittals and change order requests.
- 6. Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction (i.e., biaxial reinforcing geogrid installation, leachate trench construction, Phase 2 liner tie-in, etc.). Photographs shall be date stamped.

Please place this Monthly Progress Report No. 4 - September 15, 2010 to October 14, 2010 into the 3-ring project binder that was previously submitted to FDEP in July 2010.

Mr. Steve Morgan Monthly Progress Report No. 4 - September 15, 2009 to October 14, 2010 October 15, 2010 Page 2

# PROJECT OVERVIEW/CHANGE ORDERS

- 1. Notice to Proceed was issued by Citrus County on July 5, 2010.
- 2. Substantial Completion of the project was revised to 185 calendar days 1/5/2011.
- 3. Final Completion of the project was established as February 4, 2010.

# CONSTRUCTION ACTIVITIES/PROJECTED SCHEDULE

The following construction activities were conducted during the above-mentioned reporting period.

- 1. Filling sand bags.
- 2. Preconstruction liner meeting September 30, 2010
- 3. Geosynthetic installation October 5, 2010 (Slope first, floor second, and sump last).
- 4. Weekly Construction Progress Meeting No. 10 was conducted on September 16, 2010.
- 5. Weekly Construction Progress Meeting No. 11 was conducted on September 23, 2010.
- 6. Weekly Construction Progress Meeting No. 12 was conducted on September 30, 2010.
- 7. Weekly Construction Progress Meeting No. 13 was conducted on October 7, 2010.
- 8. Weekly Construction Progress Meeting No. 14 was conducted on October 14, 2010.

Please refer to the construction schedule provided by Comanco Environmental Corporation (Comanco) contained in Attachment A.

# CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS

- 1. Weekly Construction Progress Meeting No. 10 was conducted on September 16, 2010.
- 2. Weekly Construction Progress Meeting No. 11 was conducted on September 23, 2010.
- 3. Weekly Construction Progress Meeting No. 12 was conducted on September 30, 2010.
- 4. Weekly Construction Progress Meeting No. 13 was conducted on October 7, 2010.
- 5. Weekly Construction Progress Meeting No. 14 was conducted on October 14, 2010 will be submitted with Monthly Progress Report No. 5 next month.

# SUMMARY OF SUBMITTALS

A summary of the submittals reviewed to date by SCS for the project is provided in Attachment B.

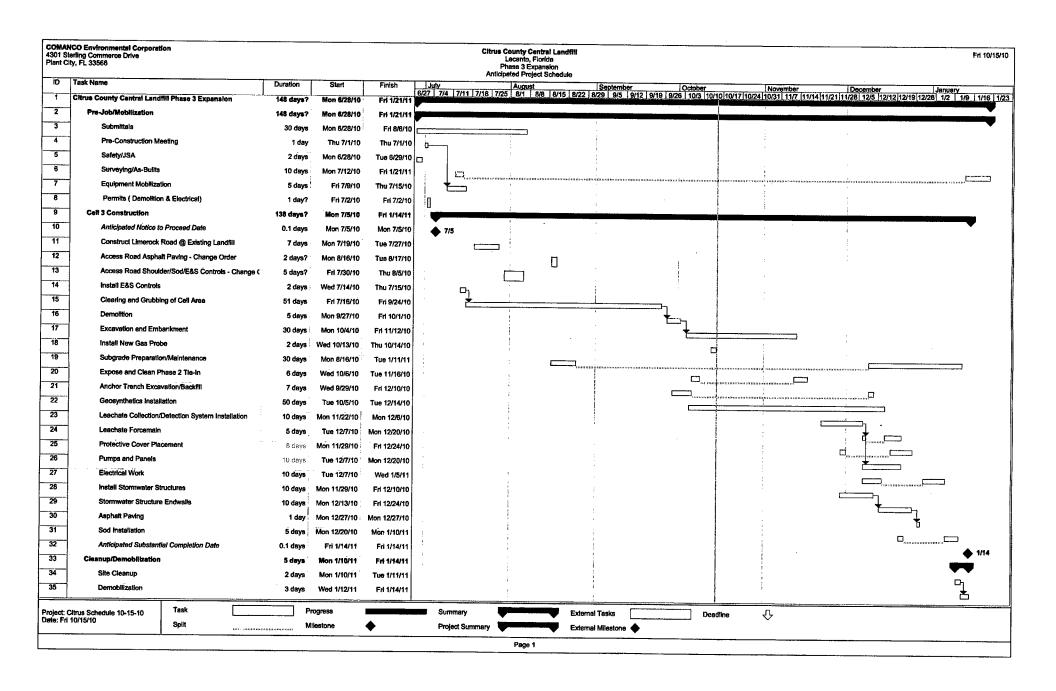
Mr. Steve Morgan Monthly Progress Report No. 4 - September 15, 2009 to October 14, 2010 October 15, 2010 Page 3

# **PHOTOGRAPHS**

Please refer to Attachment C for photographs that are representative of the construction activities conducted during the above-mentioned reporting period.

Please do not hesitate to call should you have any questions or require additional information.

# ATTACHMENT A CONSTRUCTION SCHEDULE



### ATTACHMENT B

WEEKLY CONSTRUCTION PROGRESS MEETING
SUMMARY REPORTS AND CONSTRUCTION SUBMITTAL LOGS

### SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

September 16, 2010, 10:00 A.M.

#### PROGRESS MEETING NO. 10 MINUTES

The following are the progress meeting minutes for Meeting No. 10 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 10. The date is September 16, 2010 and the time is approximately 10:20 a.m. A sign in sheet is being passed around, everyone please sign in.

#### List of Attendees

a) Citrus County

Casey Stephens 352-527-7670 <u>casey.stephens@bocc.citrus.fl.us</u>

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u> Paul Siriboury 410-905-0266 <u>psiriboury@scsengineers.com</u>

c) Comanco Environmental Corporation

Justin Endsley813-918-1441jendsley@comanco.comBill Newman813-434-5435bnewman@comanco.com

#### 1) Progress Meeting #9

a) Meeting Minutes

No comments.

#### b) Unfinished business

- Liner Tie-In -- Comanco indicated that they will provide the OSHA standards for County's and SCS's review.
- Pay Application No. 2 through No. 4 have been approved and are in accounting.
   Comanco requested for a contact name in the accounting department to check the status of these pay requests.
- Revised Schedule -- SCS requested a revised schedule to reflect the new geosynthetic installation date of October 5, 2010.
- Dewatering Submittal -- SCS questioned the status of this submittal. Comanco
  indicated that it's being internally reviewed and they will submit by next week.

#### 2) Project Schedule

- a) Work Planned
  - Access Road
    - i) Sod will be placed on the eroded areas once the areas are dry.
  - Phase 3 Earthwork
    - i) Removing unsuitable from existing sump area
    - ii) Continue earth cutting/fill
  - Managing the Storm Water Running into Cell 3
    - i) Working on setting and activating pumps.
  - Hauling
    - i) Diamond "C" Transport sub onsite.
  - Material Delivery
    - i) Syntec (triplanar material batch 2) should arrive on site Friday.
  - Sucontractors
    - i) Surveying subcontractor onsite
    - ii) Universal

September 16, 2010 Progress Meeting No. 10 Minutes Page 3

- iii) Electrician
- b) Equipment on Site

One dozer, one roller, one excavator, one water truck, one track-hoe, five men onsite.

c) Working Hours

No changes to the working hours.

- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status
  - a) Shop Drawings
  - b) Submittals
  - c) RFI's
- 6) Contractor Issues
  - Comanco would like to ensure that the access to the stockpile area is cleared.
- 7) County Issues
  - Access road -- Comanco indicated that the erosion issues on the south slope of the access road will be addressed next week.
- 8) Consultant's Issues
  - Offsite Material -- Two 5 gallon buckets need to be provided to PSI for the hydraulic conductivity test. SCS indicated that PSI will be onsite today and would like for this material to be provided before 2 pm.
- 9) Site Safety and Housekeeping

Site Safety documentation will be submitted to SCS and Citrus County.

10) Other Issues

September 16, 2010 Progress Meeting No. 10 Minutes Page 4

None at this time

### 11) Weekly Progress Meeting Schedule and Time

• Weekly Progress Meeting No. 11 will be at the office trailer next week September 23, 2010, 10:00 a.m.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 10

# September 16, 2010, 10:00 A.M.

# SIGN IN SHEET

NAME	<b>COMPANY</b>	CELL PHONE	<u>EMAIL</u>
Dominique bramlett	SCS Engineers	813-621-0080	dbramlett@ scs ey news. com
Bill NEWMAN	_Commuco	813-434-5435	brewman @ commeo.com
JUSTIN ENDSLEY	COMANCO	813-918-1441	jendsley & comanco. com
Casey Stophens	Citrus Co	410.905.0266 352-302-6980	casey. Stephense bocc. citrus. fl. us

## SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

September 23, 2010, 10:00 A.M.

#### **PROGRESS MEETING NO. 11 MINUTES**

The following are the progress meeting minutes for Meeting No. 11 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 11. The date is September 23, 2010 and the time is approximately 10:10 a.m. A sign in sheet is being passed around, everyone please sign in.

#### List of Attendees

a) Citrus County

Casey Stephens	352-527-7670	casey.stephens@bocc.citrus.fl.us
Richard Neptune	352-400-1711	richard.neptune@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@scsengineers.com
Paul Siriboury	410-905-0266	psiriboury@scsengineers.com

c) Comanco Environmental Corporation

Justin Endsley	813-918-1441	jendsley@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com
Troy Watral	813-714-0980	twatral@comanco.com

#### 1) Progress Meeting #10

a) Meeting Minutes

September 23, 2010 Progress Meeting No. 11 Minutes Page 2

No comments.

#### b) Unfinished business

- Liner Tie-In -- Comanco indicated that they will provide the OSHA standards for County's and SCS's review (still pending)
- Pay Application No. 2 through No. 4 have been approved and are in accounting. Comanco requested for a contact name in the accounting department to check the status of these pay requests (resolved).
- Revised Schedule -- SCS requested a revised schedule to reflect the new geosynthetic installation date of October 5, 2010 (still pending)
- Dewatering Submittal -- SCS questioned the status of this submittal. Comanco indicated that it's being internally reviewed and they will submit by next week (still pending).

#### 2) Project Schedule

- a) Work Planned
  - Access Road
    - i) Sod will be placed on the eroded areas once the areas are dry.
  - Phase 3 Earthwork
    - i) Removing unsuitable from existing sump area
    - ii) Continue earth cutting/fill
    - iii) Remove existing pump and housing
    - iv) Start grading stormwater ditch on the east end of the cell
  - Managing the Storm Water Running into Cell 3
    - i) Working on setting and activating pumps.
  - Hauling
    - i) Diamond "C" Transport sub onsite.
  - Material Delivery
    - i) GSE biplanar and nonwoven geotextile delivery

September 23, 2010 Progress Meeting No. 11 Minutes Page 3

- ii) 8" solid pipe delivery from HDPE Inc.
- Sucontractors
  - i) Surveying subcontractor onsite
- b) Equipment on Site

One dozer, one roller, one excavator, one water truck, one track-hoe, five men onsite.

c) Working Hours

No changes to the working hours.

- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status
  - a) Shop Drawings -- SCS requested 2 additional signed and sealed originals of the preconstruction as built surveys.
  - b) Submittals
  - c) RFI's --
    - Comanco is still reviewing cast-in-place versus precast boxes.
    - Valves and Fittings.

#### 6) Contractor Issues

- Testing for sand.
- 30" pipe underneath the road was not shown on the contract documents.
- Agru material -- Production and conformance testing asked to be complete by the 30th. Comanco indicated that if the material won't be ready that this will delay the project and won't be able to initiate liner installation on the 4th. Comanco indicated however that there will be plenty of other work that can be done in the interim should this happen.

September 23, 2010 Progress Meeting No. 11 Minutes Page 4

#### 7) County Issues

• None.

#### 8) Consultant's Issues

• None.

#### 9) Site Safety and Housekeeping

Site Safety documentation will be submitted to SCS and Citrus County.

#### 10) Other Issues

None at this time

#### 11) Weekly Progress Meeting Schedule and Time

- Weekly Progress Meeting No. 12 will be at the office trailer next week September 30, 2010, 10:00 a.m.
- Pre-liner construction meeting will be September 30, 2010 following the weekly meeting. SCS will provide an agenda prior to the meeting.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 11

September 23, 2010, 10:00 A.M.

### SIGN IN SHEET

NAME	COMPANY	CELL PHONE	<b>EMAIL</b>
BIT HEWMAN	Comme,	813-434-5435	brewman @ Commer. com
JUSTIN ENOSLEY	COMANCO	813-918-1441	jendsley@ Comanico.com
Troy Watral	Comanco	813 714-0980	twatral @ comanco.com
PAUL JERNI BOURY	ses	410-905.0266	AFIRIBOURYOUTCENG COA
Casey Stephens	Citrus Co	352-302-6980	casey. stephense bocc. citrus. fl. 03
Richard Neptune	Citaus Co.	352-400-1711	Tichard. neptune@ porc. Liteus.
Dominique fraulet	SCS. Engineers	FP7F-F119-218	dbramlett @ Scsengineers.com

#### SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

September 30, 2010, 10:00 A.M.

#### **PROGRESS MEETING NO. 12 MINUTES**

The following are the progress meeting minutes for Meeting No. 12 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 12. The date is September 30, 2010 and the time is approximately 10:05 a.m. A sign in sheet is being passed around, everyone please sign in.

#### List of Attendees

#### a) Citrus County

Casey Stephens	352-527-7670	casey.stephens@bocc.citrus.fl.us
Richard Neptune	352-400-1711	richard.neptune@bocc.citrus.fl.us

#### b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@scsengineers.com
Paul Siriboury	410-905-0266	psiriboury@scsengineers.com

#### c) Comanco Environmental Corporation

Justin Endsley	.813-918-1441	jendsley@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com
Troy Watral	813-714-0980	twatral@comanco.com
Arnulfo Martinez	813-787-3779	amartinez@comanco.com
Clayton Lung	813-714-2256	clung@comanco.com

#### 1) Progress Meeting #11

September 30, 2010 Progress Meeting No. 12 Minutes Page 2

a) Meeting Minutes

No comments.

#### b) Unfinished business

- Sod along the access road -- Comanco indicated that they will address all the eroded areas will be repaired and sodded this week. Comanco would like a follow-up inspection once these areas are repaired.
- OSHA Regulations Comanco submitted to SCS on 9/27 for information only.
- Rain tarp flap -- Comanco will provide a proposed detail for the rain tarp flap.
- Air release valve -- SCS will provide information on the proposed Air Release Valve early next week.

#### 2) Project Schedule

- a) Work Planned
  - Access Road
    - i) Sod will be placed on the eroded areas once the areas are dry.
  - Phase 3 Earthwork
    - i) Continuing earth cutting/fill
    - ii) Continue grading stormwater ditch on east end of the cell
    - iii) Placing the bottom of cell on final grade
  - Managing the Storm Water Running into Cell 3
    - i) Working on setting and activating pumps.
  - Phase 3 Liner
    - i) Receiving material and staging
    - ii) Filling sandbags
    - iii) Preconstruction liner meeting (9/30)
    - iv) Phase 3 Liner (10/05) Work slope first, floor second, and sump last
  - Hauling

September 30, 2010 Progress Meeting No. 12 Minutes Page 3

- i) Diamond "C" Transport sub onsite.
- Material Delivery
  - i) Biaxial geogrid from RH Moore
  - ii) Pipe delivery from HDPE Inc.
- Sucontractors
  - i) Surveying subcontractor onsite
- b) Equipment on Site

One dozer, one roller, one excavator, one water truck, one track-hoe, nine men onsite.

c) Working Hours

No work is currently anticipated on Saturdays unless needed. If Saturday work is needed Comanco will let the County and SCS know by Wednesday.

- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status
  - a) Shop Drawings
  - b) Submittals
  - c) RFI's --
- 6) Contractor Issues
- 7) County Issues
  - Access Road -- eroded areas need to be addressed
- 8) Consultant's Issues
  - None.

September 30, 2010 Progress Meeting No. 12 Minutes Page 4

#### 9) Site Safety and Housekeeping

Site Safety documentation will be submitted to SCS and Citrus County.

#### 10) Other Issues

SCS noted some typographical errors on the drawings as follows:

- Drawing No. 9 of 19, Detail A note 4. Shows 20 ft along sideslope should only be 2 ft.
- Drawing No. 10 of 19 Detail C note 4. Should be 2 ft of sand not 4 ft.

#### 11) Weekly Progress Meeting Schedule and Time

• Weekly Progress Meeting No. 13 will be at the office trailer next week October 7, 2010, 10:00 a.m.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 12

# September 30, 2010, 10:00 A.M.

#### SIGN IN SHEET

NAME	COMPANY	CELL PHONE	<b>EMAIL</b>
Dominique Brancett	SCS Oyners	813-417-7597	dbrankett @ SCS ey hoes com
Casey Steplens	Citros Co	352-302-6980	casey. stophense bocc. citrus. Il us
Bill Newman	Commence	813-434-5435	bnewman @ comanco .com
Richard Neptune	Citrus Co	352-400-1711	cichard. Neptune @ pocc. Citeus, fl. u
Arnulfo martines	COMNOW	813-787-3779	amortine a cononce con
JUSTIN ENDSLEY	Comanco	813 - 918 - 1441	jendsley@ comanco. com
Clayton Lung	Comanco	813-714-2256	CLung & conanco, com
PAUL SIRIBOURY	~ <<	410.905.0266	DSMIBOURY ESCIENT. COA
Troy Watral	Comanco	813 714-0980	tuntral@ comarco, com

#### SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

October 7, 2010, 10:00 A.M.

#### **PROGRESS MEETING NO. 13 MINUTES**

The following are the progress meeting minutes for Meeting No. 13 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 13. The date is October 7, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in.

#### **List of Attendees**

a) Citrus County

Carmen Bruno 352-527-7670 carmen.bruno@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Justin Endsley	813-918-1441	jendsley@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com
Nick Bridges	813-323-3651	nbridges@comanco.com

#### 1) Progress Meeting #12

a) Meeting Minutes

No comments.

#### b) Unfinished business

- Sod along the access road -- Comanco indicated that they will address all the eroded areas will be repaired and sodded on Monday or Tuesday.
- OSHA Regulations -- Comanco submitted to SCS on 9/27 for information only.
- Rain tarp flap -- Comanco will provide a proposed detail for the rain tarp flap. Information will be submitted to SCS next week.
- Air release valve -- SCS will provide information on the proposed Air Release Valve early next week.
- Box Culvert -- Coastal Concrete will use a structural engineer to design this box. Information will be submitted to SCS for review within the next couple weeks.

#### 2) Project Schedule

- a) Work Planned
  - Access Road
    - i) Sod will be placed on the eroded areas on Monday or Tuesday.
  - Phase 3 Earthwork
    - i) Continuing earth work on west end.
    - ii) Placing the bottom of cell on final grade
  - Phase 3 Liner
    - i) Continue synthetic installation.
  - Hauling
    - i) Diamond "C" Transport sub onsite.
  - Material Delivery
    - i) Tri-planar material next week.
  - Sucontractors
    - i) Surveying subcontractor onsite (Berglund)

October	7, 2010			
Progress	Meeting	No.	13	Minutes
Page 3				

- ii) Diamond "C"
- b) Equipment on Site

One dozer, one roller, one excavator, one water truck, one track-hoe, twelve men onsite.

c) Working Hours

Remain the same.

Comanco indicated that they are on schedule as long as the weather remains nice.

- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status
  - a) Shop Drawings
  - b) Submittals
  - c) RFI's --
- 6) Contractor Issues
- 7) County Issues
  - Access Road -- eroded areas need to be addressed.
- 8) Consultant's Issues
  - None.
- 9) Site Safety and Housekeeping

Site Safety documentation will be submitted to SCS and Citrus County.

- 10) Other Issues
- 11) Weekly Progress Meeting Schedule and Time

October 7, 2010 Progress Meeting No. 13 Minutes Page 4

- Weekly Progress Meeting No. 14 will be at the office trailer next week October 14, 2010, 10:00 a.m.
- FDEP monthly report due Friday October 15, 2010.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 13

October 7, 2010, 10:00 A.M.

# SIGN IN SHEET

NAME	<u>COMPANY</u>	CELL PHONE	<u>EMAIL</u>
Dominique Brambett	SCS Enguess	813-417-7597	dbrambetta sesengingers.cm
INSTIN ENOSLEY	LOMANCO	813 - 918 - 1441	jendsley @ Comanco. com
NKX BRIDGES	COMANCO	813-323-3651	nbridges @ comanco. com
Bill Newman	Commence	813-434-4354	brewman @ Commer com
CARMES BRUNG	CITRUS COUNTY	352 517 7670	CARMED. BRUDO C'BOCC. CITRUS. IL. US

Project Name:

Submittal

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.:

09207049.06

Log Updated: 10/15/2010

Specification

Date

Date

Number	Description Reference		Received	Status ¹	Returned		
Pay Application	ons			MC	07/08/10 emailed with question on		
					HUB invoice		
Pay App No. 1	Pay Application No. 1	01 20 00	07/01/10	NE	07/09/10		
Pay App No. 2	Pay Application No. 2	01 20 00	07/22/10	NE	07/23/10		
Pay App No. 3	Pay Application No. 3	01 20 00	08/24/10	NE	08/31/10		
Pay App No. 4	Pay Application No. 4	01 20 00	09/13/10	NE	09/13/10		
Pay App No. 5	Pay Application No. 5	01 20 00	09/27/10	NE	10/01/10		
013010 Contra	actor Submittals						
					07/07/10		
013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	MC	email 07/08/10		
013010-01B	Preliminary Schedule	01 30 10-1.01	07/08/10	NE	email		
010010 015	7 Tollithiary Corlocatio	01 00 10 1.01	07700710		07/08/10		
013010-02A	Excavation Plan	01 30 10-1.01	07/01/10	NE	email		
					07/11/10		
013010-03A	Health and Safety Plan	01 30 10-1.01	07/01/10	MC	email		
;				AR	07/15/10		
					email 08/04/10		
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	NE	email		
0.00.0 000	Transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer date of the transfer	0.00.0001	1		07/11/10		
013010-04A	Quality Control (QC) Plan	01 30 10-1.01	07/01/10	MC	email		
					07/21/10		
013010-04B	Quality Control (QC) Plan	01 30 10-1.01	07/21/10	NE	email		
013010-05A	Health and Safety Officer  Documentation	01 30 10-1.01	07/16/10	NE	07/16/10 email		
013010-03A	Documentation	01 30 10-1.01	07710/10	IVL	07/08/10		
013010-06A	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	email		
					08/05/10		
013010-06B	Erosion and Pollution Control Plan	01 30 10-1.01	07/29/10	NE	email		
013010-07A	Project Work and Spec	01 30 10-1.01	07/21/10	NE	07/21/10		

1 Status

NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Page 1

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.:

09207049.06

Log Updated: 10/15/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
- Italiiboi					
	Compliance Confirmation	-;			email
	Compilarios Commination		ļ		requested
·			İ		signed letter
					08/11/10
013010-08A	Quality Control Testing Log	01 30 10-3.16	08/04/10	NE	email
	Preliminary Schedule of Shop	-			07/11/10
013010-09A	Drawing Submittals	01 30 10-1.01	07/01/10	MC	email
	Preliminary Schedule of Shop				07/15/10
013010-09B	Drawing Submittals	01 30 10-1.01	07/14/10	MC	email
					08/24/10
013010-10A	Preconstruction Video		08/19/10	NE	email
					10/01/10
013010-11A	Dewatering Plan		09/29/10	NE_	email
	• • • • • • • • • • • • • • • • • • • •				:
015001 Field E	Engineering and Surveying		1	Γ	07/09/10
					email
					requesting
	Licensed Professional Land				verification
015001-01A	Surveyor	01 50 01-1.04	07/08/10	МС	of licensure
015001-01A	Licensed Professional Land	01 30 01-1.04	07700710	1010	07/15/10
015001-01B	Surveyor	01 50 01-1.04	07/15/10	NE	email
010001 018	·	<u> </u>	<u> </u>	1	08/05/10
	• •				email and
	· ·				discussed
	Survey Certifying Locations and				over the
	Elevations are in Conformance				phone with
015001-02A	with Contract Documents	01 50 01-1.04	07/28/10	AR	. JE
					09/03/10
					email and
,					discussed
	Survey Certifying Locations and				at
	Elevations are in Conformance		·		construction
015001-02B	with Contract Documents	01 50 01-1.04	08/30/10	AR	meeting
	-				09/21/10
015001-02C	Initial Survey As-builts	01 50 01-1.04	09/09/10	NE	email
					10/03/10
015001-03A	Record Drawings (As-Builts) Part 1	<u>01 50 01-1.04</u>	10/01/10	NE	email
					10/08/10
015001-03B	Record Drawings (As-Builts) Part 2	01 50 01-1.04	10/06/10	NE_	email
			1.2.5		10/08/10
015001-03C	Record Drawings (As-Builts) Part 3	01 50 01-1.04	10/08/10	NE	email

Project Name:

Project No.: 09207049.06

Citrus County Central Landfill
Phase 3 Expansion Project Log Updated: 10/15/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
				<b>,</b>	
015001-04A	Field Surveyor's Log signed and Sealed (Copies)	01 50 01-1.04			
015005 Mobili	zation and Demobilization	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
015005-01A	Required Insurance Certificates and Bonds	01 50 00-1.01			
016000 Materi	als and Equipment			·	
016000-01A	Manufacturer's Instructions on Product Delivery, Storage, and Handling	01 60 00-1.03	This is su	bmitted w	rith products
025316 Leach	ate Collection, Detection Pump				
025316-01A	Manufacturer Prepared Shop Drawings	02 53 16-1.03	08/18/10	NE ·	08/18/10 email (will be covered in -03A)
025316-02A	Operating Instructions	02 53 16-1.03	08/18/10	NE	08/23/10 email
025316-03A	Equipment Warranty and Certification Form	02 53 16-1.03			
025615 Geosy	nthetic Clay Liner				
025615-01A	GCL Manufacturer's Qualifications	02 56 15-1.05	08/02/10	NE	08/11/10 email
025615-02A	Installer's Qualifications	02 56 15-1.05	08/03/10	NE	08/06/10 email
025615-03A	Physical Sample of GCL Used in Final Construction	02 56 15-1.05	10/06/10		
025615-04A	GCL Installation Plan	02 56 15-1.05	08/10/10	NE	08/13/10 email
025615-05A	Certificate of Subsurface Acceptability Warranties and Warranties	02 56 15-1.05			
025615-06A	Conditions	02 56 15-1.05			07/47/40
025615-07A	GCL Product Data Sheet	02 56 15-1.05	07/16/10	NE	07/17/10 email
025615-08A	Assurance Manual	02 56 15-1.05	08/04/10	NE	08/06/10 email
025615-09A	GCL Manufacturer's Installation Guide	02 56 15-1.05	08/04/10	NE	08/11/10 email
025615-10A	GCL Sample Warranties	02 56 15-1.05	08/10/10	NE	08/11/10 email

¹ Status

NE - No Exceptions Taken AR - Amend and Resubmit

Project Name:

Citrus County Central Landfill

Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 10/15/2010

Submittal Number	Specificati		Date	Status ¹	Date
Number	Description	Reference	Received	Status	Returned
		*	<del></del>		09/01/10
025615-11A	GCL Roll Certifications	02 56 15-1.05	08/30/10	NE	email
		02 00 10 1100	1 00/00/10	1 14-	Ontall
029041 Geosy	nthetic Rain Tarp				
	Manufacturer's Tests Specs, Install				
029041-01A	Instructions, and Roll Dimensions	02 90 41-1.02			
000044 004					09/01/10
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02	08/30/10	NE	email
000044 004	Consumthatia Pain Town I array	00 00 44 4 00	07/10/10	\ \	07/17/10
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10	NE	email
029041-04A	Rain Tarp Product Data Sheet	02 90 41-1.02	07/16/10	NE	07/17/10 email
023041-04/4	Train Taip 1 Toddet Data Sneet	02 90 41-1.02	07/10/10	INL	Gillali
160000 Electr	ical			т	
160000-01A	Field Testing Booklet	16 00 00-3.8			
310519 Geote					
	Manufacturer's Prequalifications,	_			
	Tests, Specs, Install Instructions,				
040540 044	Roll Dimensions and Approval	04.05.40.4.00	07/44/40		07/17/10
310519-01A	Form (Non-Woven Geotextile)	31 05 19-1.02	07/14/10	NE	email
310519-02A	   Manufacturer's Evaluation Reports	21.05.10.1.00	00/10/10	NE	08/23/10
310319-02A	ivianulaciulei s Evaluation Reports	31 05 19-1.02	08/18/10	MC	email 07/12/10
					email
	Product Data/Access Road Fabric		07/08/10		07/16/10
310519-03A	(Woven Geotextile)	31 05 19-1.02	07/15/10	NE	email
			.1		
310520 Triplaı	nar Geocomposite				
	Triplanar Manufacturer's				07/17/10
310520-01A	Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	email
	Triplanar Manufacturer's				08/13/10
310520-01B	Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	email
310520-02A	Triplanar Prequalifications	31 05 20-1.04			
		2. 22 20 1101	<u> </u>		07/17/10
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	email
					07/21/10
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	email
					08/11/10
310520-05A	Triplanar Protection Method	31 05 20-1.04	08/04/10	NE	email

¹ Status

NE - No Exceptions Taken AR - Amend and Resubmit MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06 Log Updated: 10/15/2010

Submittal		Specification	Date		Date
Number	Description	Reference	Received	Status ¹	Returned
					•
	Triplanar Material Data and				07/17/10
310520-06A	Specifications	31 05 20-1.04	07/14/10	NE	email
	Manufacturer's Quality Assurance				07/17/10
310520-07A	(MQC) Program	31 05 20-1.04	07/14/10	NE	email
	Triplanar Manufacturer's				07/17/10
310520-08A	Installation Instructions	31 05 20-1.04	07/14/10	NE	email
	Manufacturer's Triplanar				08/13/10
310520-09A	Qualifications	31 05 20-1.04	08/12/10	NE	email
					08/16/10
310520-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10	AR	email
					09/01/10
310520-10B	Triplanar Geonet Resin	31 05 20-1.04	09/01/10	NE	email
	Triplanar Transmissivity Test				08/17/10
310520-11A	Results	31 05 20-1.04	08/12/10	NE	email
	Triplanar MQC Production Dates				08/17/20
310520-12A	and Test Results	31 05 20-1.04	08/12/10	NE	email
	Tri-planar Production Dates and				09/27/10
310520-13A	Tests Results (Batches 3 & 4)	31 05 20-1.04	09/22/10	NE	email
		•			
310521 Biplan	nar Geocomposite		<del></del>	1	00/00/40
010501 014	Biplanar Manufacturer's	04.05.04.4.04	00/10/10	NIE-	08/20/10
310521-01A	Experience of 5,000,000 sf	31 05 21-1.04	08/18/10	NE	email
210501 004	Pinlanar Braguelifications	01.05.01.1.04			
310521-02A	Biplanar Prequalifications	31 05 21-1.04			09/14/10
310521-03A	Binlanar Transmississity	21.05.21.1.04	09/14/10	NE	email
310521-05A	Biplanar Transmissivity	31 05 21-1.04	09/14/10	INC	07/21/10
310521-04A	Biplanar Roll Layout Drawings	31 05 21-1.04	07/13/10	NE	email
310321-04A	Diplatial From Layout Drawings	31 03 21-1.04	07/10/10	14	08/23/10
310521-05A	Biplanar Protection Method	31 05 21-1.04	08/18/10	NE	email
010021-00A	Biplanar Material Data and	010021-1.04	00/10/10	146	07/17/10
310521-06A	Specifications	31 05 21-1.04	07/14/10	NE	email
010021 00/1	Manufacturer's Quality Assurance	01 00 21 1.04	01/11/10	- ' ' -	08/23/10
310521-07A	(MQC) Program	31 05 21-1.04	08/18/10	NE	email
31332137A	Biplanar Manufacturer's Installation	31 33 E1 113 T	00, 10, 10	.,.	09/01/10
310521-08A	Instructions	31 05 21-1.04	08/30/10	NE	email
3.002.00/	Manufacturer's Biplanar	3.002.101	55,50,10		09/14/10
310521-09A	Qualifications	31 05 21-1.04	09/14/10	NE	email
3.552. 55/					09/14/10
310521-10A	Biplanar Geonet Resin	31 05 21-1.04	09/14/10	NE	email
3.0020.(	Biplanar Transmissivity Test	2. 22 2. 1101	1		08/25/10
310521-11A	Results	31 05 21-1.04	08/18/10	NE	email

¹ <u>Status</u> NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted RR - Rejected, Resubmit

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Project Name:

Project No.: 09207049.06

Citrus County Central Landfill Phase 3 Expansion Project

Log Updated: 10/15/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
310521-12A	Biplanar MQC Production Dates and Test Results	31 05 21-1.04			
	Biplanar Manufacturer's Production		00/00/40	NIT.	09/13/10
310521-13A	Dates and Test Results	31 05 21-1.04	09/09/10	NE	email
312000 Excav	ation, Backfill, and Grading	<del></del>	1		
312000-01A	Borrow Source Qualification	31 20 00-1.04			
312000-02A	QC Geotechnical Lab Data and Results	31 20 00-1.04			
312000-03A	QC Consultant Qualifications	31 20 00-1.04			
312000-04A	CQC Consultant Final Report	31 20 00-1.04			
312000-05A	Record Drawings of Subbase	31 20 00-1.04			
					ced in 2 als 321216-
312000-06A	Access Road Testing	31 20 00-1.04	08/02/10	E .	321216-03A
312000-07A	OSHA Regulations	·	09/27/10		
313219 Geogr	id		÷		
	Geogrid Manufacturer's				08/23/10
313219-01A	Qualifications	31 32 19-1.04	08/19/10	AR	email
	Geogrid Manufacturer's	•			09/14/10
313219-01B	Qualifications	31 32 19-1.04	09/14/10	AR	email
040040 004	Occasid Installation Plan	04 00 40 4 04	07/00/40	N.E	07/23/10
313219-02A	Geogrid Installation Plan	31 32 19-1.04	07/22/10	NE	email
313219-03A	Geogrid Warranties	31 32 19-1.04	07/22/10	NE	08/02/10 email
313219-03A	Geogrid Resin Info and Quality	31 32 19-1.04	01122110	ING	08/04/10
313219-04A	Control Certificates	31 32 19-1.04	07/22/10	AR	email
	Geogrid Manufacturer Material Info			· · · · · · ·	08/02/10
	and Quality Control Certificates		07/22/10	AR	8/24/10
313219-05A	(Biaxial Geogrid)	31 32 19-1.04	8/24/10	NE	(see -07A)
	Geogrid Loading, Unloading, and				07/19/10
313219-06A	Storage Recommendations	31 32 19-1.04	07/19/10	NE	email
313219-07A	Geogrid Roll Certifications (Biaxial Geogrid)	31 32 19-1.04	08/24/10	08/25/ 08/24/10 NE emai	
313219-08A	Geogrid Record Drawings	31 32 19-1.04			

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 10/15/2010

Submittal Number	Description	Specification Date Description Reference Received Status ¹		Date Returned	
		7.0.00			
	Geogrid Material Data (Biaxial		1		07/17/10
313219-09A	Geogrid)	31 32 19-1.04	07/14/10	NE	email
010210 00/1	10XT Uniaxial Geogrid Leachate	01 02 10 1.01	07711710	- ' -	08/13/10
313219-10A	Exposure		08/09/10	RR	email
0.02.0			1		08/19/10
313219-11A	Uniaxial Geogrid	313219-1.04	08/17/10	NE	email
		,	-!-	•	
316223 Cast-I	n-Place Concrete				
	Cast-In-Place Concrete Product				
316223-01A	Data	31 62 23-1.05			
					ĺ
321216 Aspha	It Paving and Crushed Concrete	r	т	<del></del>	22111112
			00/04/40	\ . <u></u>	08/11/10
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE	email
201010 004	Constituentian of Lineau ale Course	00 10 10 1 01			
321216-02A	Certification of Limerock Source	32 12 16-1.04	<del>                                     </del>		00/11/10
201016 024	Composition Analysis for LBR Lab	20 10 16 1 04	00/04/11	NE	08/11/10
321216-03A	Report	32 12 16-1.04	08/04/11	INE	email
320000 Seedii	ng and Sodding				
323000 Securi	Sod Species and Percentages of	<del></del>	1		
329000-01A	Purity	32 90 00-1.02			
020000 10171	( Carry	02 00 00 1.02	<u> </u>	<u>(                                    </u>	
330520 HDPE	Geomembrane Liner				
	HDPE Manufacturer's				08/11/10
330520-01A	Qualifications	33 05 20-1.04	08/04/10	NE :	email
			1		
330520-02A	HDPE Fabricator Qualifications	33 05 20-1.04			
					08/13/10
330520-03A	Installer Qualifications	33 05 20-1.04	08/11/10	NE	email
					08/11/10
330520-04A	Material Warranty	33 05 20-1.04	08/11/10	AR	email
					09/14/10
330520-04B	Material Warranty	33 05 20-1.04	09/14/10	NE	email
	Geomembrane Resin Info and				10/01/10
330520-05A	Quality Control Certificates	33 05 20-1.04	09/27/10	NE	email
	Continuation of Material QC		00/05/15		10/01/10
330520-06B	Certificates	33 05 20-1.04	09/29/10	NE	email
000500 050	Continuation of Resin QC	00.05.00.4.04	00/00/40	,,_	10/01/10
330520-05B	Certificate	33 05 20-1.04	09/29/10	NE	email
	Geomembrane Manufacturer				10/04/10
220500 004	Material Info and Quality Control	00 05 00 4 04	00/07/40	NIE	10/01/10
330520-06A	Certificates	33 05 20-1.04	09/27/10	NE	email

¹ <u>Status</u> NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

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Project Name:

Project No.: 09207049.06

Citrus County Central Landfill
Phase 3 Expansion Project

Log Updated: 10/15/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
- Humber	Description	11010101100	Hodoirou	Oluluo	Hotarriou
		·	1		08/16/10
330520-07A	Extrudate Rod Resin Information	33 05 20-1.04	08/12/10	NE	email
	HDPE Recommended Loading,				08/11/10
330520-08A	Unloading, and Hauling Equipment	33 05 20-1.04	08/04/10	NE	email
	List Indicating Correlation Between				·
	QC Certificates and Individual				10/01/10
330520-09A	Rolls	33 05 20-1.04	09/27/10	NE	<u>email</u>
					10/01/10
330520-09B	Continuation of List Correlating QC	33 05 20-1.04	09/29/10	NE	email
000500 404	LIDDE to shall attend Disco	00.05.00.4.04			
330520-10A	HDPE Installation Plan	33 05 20-1.04			
330520-11A	HDPE Resin Quality Control Certificate	33 05 20-1.04			
330520-11A	HDPE Manufacturer's Quality	33 03 20-1.04		ļ <u>.</u>	
330520-12A	Control Roll Certificate	33 05 20-1.04			
000020-12A	Manufacturer and Installer	00 00 20 1.01			
330520-13A	Warranties	33 05 20-1.04			
000020 1071		*			07/21/10
330520-14A	HDPE Panel Layout As-Builts	33 05 20-1.04	07/13/10	NE	email
330520-15A	Subgrade Acceptance Certification	33 05 20-1.04			
	HDPE Geomembrane Product				07/16/10
330520-16A	Data Sheet	33 05 20-1.04	07/16/10	NE	email
			•		
335110 Piping			T-		
	Piping Material Suppliers Certifications and				
335110-01A	Recommendations	33 51 10-1.02	İ		
333110-01A	Manufacturer Certification of Resin	33 31 10-1.02			
335110-02A	Spec Compliance	33 51 10-1.02			
000110 02/	Manufacturer Stress Regression	00 01 10 1102			08/11/10
335110-03A	testing	33 51 10-1.02	08/02/10	AR	email
	Manufacturer Stress Regression				08/17/10
335110-03B	testing	33 51 10-1.02	08/13/10	NE	email
	Elbows and Fittings Details and		08/02/10	AR	08/13/10
335110-04A	Specs	33 51 10-1.02	08/20/10	NE	08/24/10
	Flow Meter Manufacturer and				
335110-05A	Model Information	33 51 10-1.02			
335110-06A	Video Inspection Tape and Report	33 51 10-1.02	1	ļ	
005440.074	Look Tasting Dancet	22 51 10 1 20			
335110-07A	Leak Testing Report	33 51 10-1.02		<u> </u>	

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 10/15/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
335110-08A	Certification of Piping Completion	33 51 10-1.02			

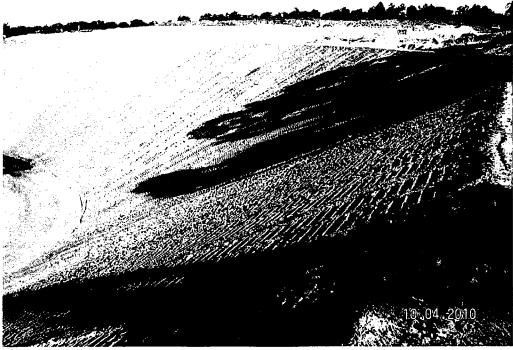
# ATTACHMENT C

CONSTRUCTION PHOTOGRAPHS DURING REPORTING PERIOD

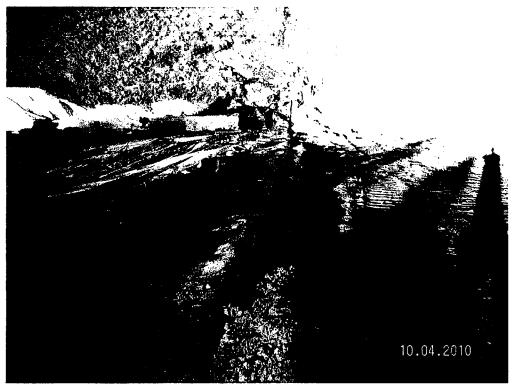
File Name	Date	Description
1	10-4-10	Phase 3 cell facing west
2	10-4-10	East slopes ready for biaxial deployment
3	10-4-10	Exposed tie-in on east slope
4	10-4-10	Anchor trench for first 5 layers
5	10-5-10	First Biaxial panel placement
6	10-5-10	Biaxial and GCL placement - view from bottom of cell
7	10-5-10	Liner deployment on east slope
8	10-13-10	Liner covering Bi-Planar, Liner and Biaxial Geogrid
9	10-13-10	View from bottom of cell
10	10-13-10	South slope and tie-in
11	10-14-10	West slope stripped and being put on grade
12	10-14-10	Phase 3 cell facing east



File 1



File 2



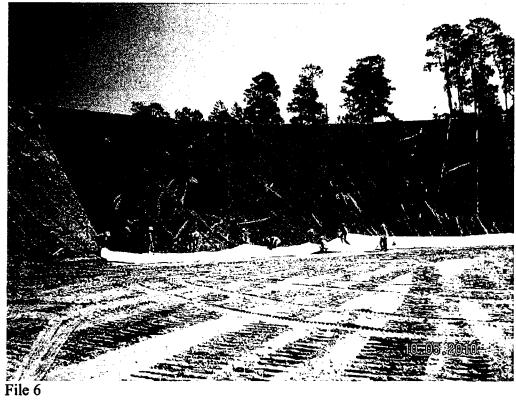
File 3



File 4

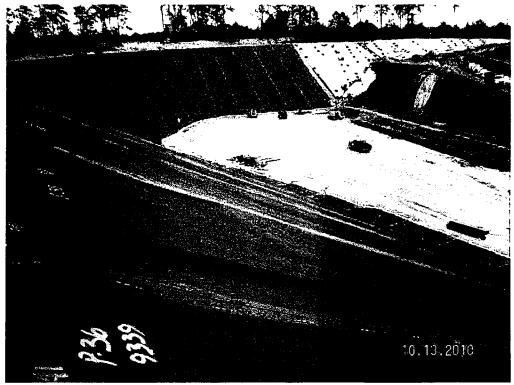


File 5





File 7



File 8





File 10



File 11



# SCS ENGINEERS

November 15, 2010 File No. 09207049.06

#### **MEMORANDUM**

TO:

Steve Morgan, Florida Department of Environmental Protection

FROM:

Dominique H. Bramlett, P.E., Senior Project Engineer

C. Ed Hilton, P.E., Vice President

COPY:

Casey Stephens, Citrus County

**SUBJECT:** 

Monthly Progress Report No. 5 - October 15, 2010 to November 14, 2010

Citrus County Central Landfill Phase 3 Expansion Project

Permit Number 21375-013-SC/01

In accordance with Specific Condition B.6.b of Construction Permit Number 21375-013-SC/01 for the Citrus County Central Landfill Phase 3 Expansion Project, and on behalf of Citrus County Board of County Commissioners (BOCC), SCS Engineers (SCS) is providing the Monthly Progress Report for the above-referenced project. The Monthly Progress Report covers the time period from October 15, 2010 to November 14, 2010 and includes the following:

- 1. Updated construction schedule.
- 2. A narrative explaining the status (and any delays) of major stages of the construction (i.e., liner, piping, liner penetrations, etc.).
- 3. Weekly progress meeting minutes.
- 4. Problem or work deficiency meeting minutes.
- 5. A summary of submittals and change order requests.
- 6. Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction (i.e., biaxial reinforcing geogrid installation, leachate trench construction, Phase 2 liner tie-in, etc.). Photographs shall be date stamped.

Please place this Monthly Progress Report No. 4 - September 15, 2010 to October 14, 2010 into the 3-ring project binder that was previously submitted to FDEP in July 2010.

Mr. Steve Morgan Monthly Progress Report No. 5 - October 15, 2010 to November 14, 2010 November 15, 2010 Page 2

# PROJECT OVERVIEW/CHANGE ORDERS

- 1. Notice to Proceed was issued by Citrus County on July 5, 2010.
- 2. Revised schedule dated 11/11/10 indicates an anticipated final completion date of December 23, 2010.
- 3. 90% of geosynthetic installation will be completed prior to Thanksgiving.
- 4. Installation of Gas Probe 19 will occur on November 15, 2010.

# CONSTRUCTION ACTIVITIES/PROJECTED SCHEDULE

The following construction activities were conducted during the above-mentioned reporting period.

- 1. Weekly Construction Progress Meeting No. 15 was conducted on October 21, 2010.
- 2. Weekly Construction Progress Meeting No. 16 was conducted on October 28, 2010.
- 3. Weekly Construction Progress Meeting No. 17 was conducted on November 4, 2010.
- 4. Weekly Construction Progress Meeting No. 18 was conducted on November 12, 2010.

Please refer to the construction schedule provided by Comanco Environmental Corporation (Comanco) contained in Attachment A.

# CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS

- 1. Weekly Construction Progress Meeting No. 14 was conducted on October 14, 2010.
- 2. Weekly Construction Progress Meeting No. 15 was conducted on October 21, 2010.
- 3. Weekly Construction Progress Meeting No. 16 was conducted on October 28, 2010.
- 4. Weekly Construction Progress Meeting No. 17 was conducted on November 4, 2010.
- 5. Weekly Construction Progress Meeting No. 18 was conducted on November 12, 2010 will be submitted with Monthly Progress Report No. 6 next month.

#### SUMMARY OF SUBMITTALS

A summary of the submittals reviewed to date by SCS for the project is provided in Attachment B.

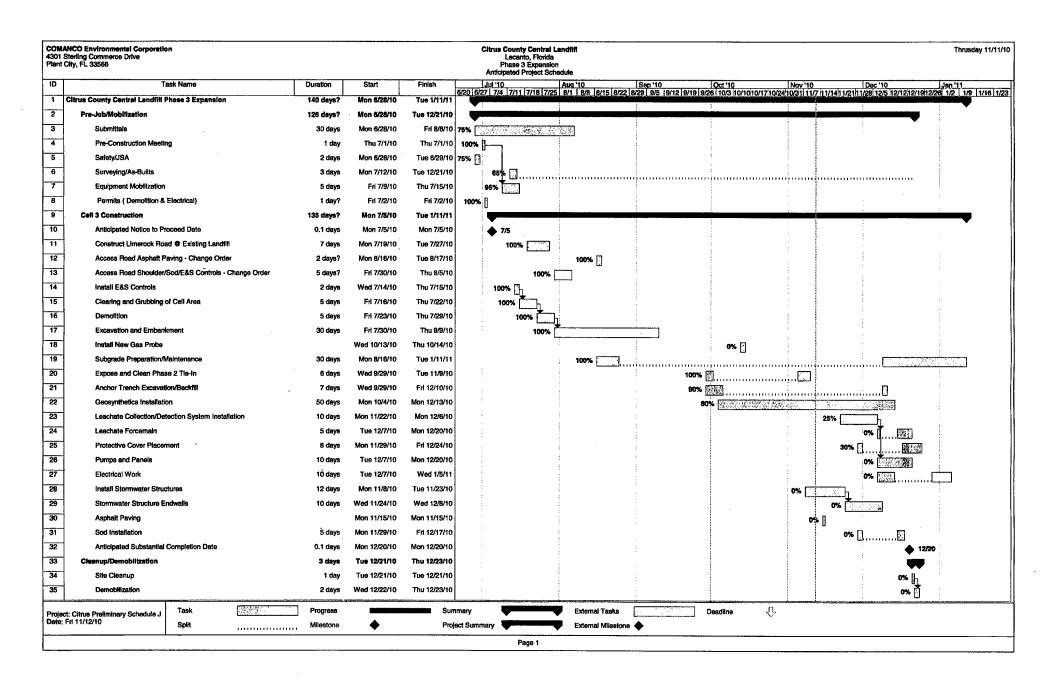
Mr. Steve Morgan Monthly Progress Report No. 5 - October 15, 2010 to November 14, 2010 November 15, 2010 Page 3

# **PHOTOGRAPHS**

Please refer to Attachment C for photographs that are representative of the construction activities conducted during the above-mentioned reporting period.

Please do not hesitate to call should you have any questions or require additional information.

# ATTACHMENT A CONSTRUCTION SCHEDULE



# ATTACHMENT B

WEEKLY CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS AND CONSTRUCTION SUBMITTAL LOGS

Project Name:

Submittal

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.:

09207049.06

Date

Log Updated: 11/11/2010

Specification

Date

Number	Description	Reference	Received	Status ¹	Returned		
Pay Application	ons	<del> </del>	<u> </u>	MC	07/08/10		
					emailed		
					with question on		
					HUB		
					invoice		
Pay App No. 1	Pay Application No. 1	01 20 00	07/01/10	NE	07/09/10		
Pay App No. 2	Pay Application No. 2	01 20 00	07/22/10	NE	07/23/10		
Pay App No. 3	Pay Application No. 3	01 20 00	08/24/10	NE	08/31/10		
Pay App No. 4	Pay Application No. 4	01 20 00	09/13/10	NE	09/13/10		
Pay App No. 5	Pay Application No. 5	01 20 00	09/27/10	NE	10/01/10		
013010 Contra	actor Submittals						
040040 044		04 00 40 4 04	07/04/40		07/07/10		
013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	MC	email 07/08/10		
013010-01B	Preliminary Schedule	01 30 10-1.01	07/08/10	NE	email		
					07/08/10		
013010-02A	Excavation Plan	01 30 10-1.01	07/01/10	NE	email		
013010-03A	Health and Safety Plan	01 30 10-1.01	07/01/10	MC	07/11/10 email		
010010 00/(	Troditir and Caroty Flair	01 00 10 7.01	07701710	AR	07/15/10		
					email		
010010 000	Lianth and Cafata Diag	01 00 10 1 01	07/14/10	N.C.	08/04/10		
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	NE	email 07/11/10		
013010-04A	Quality Control (QC) Plan	01 30 10-1.01	07/01/10	МС	email		
					07/21/10		
013010-04B	Quality Control (QC) Plan	01 30 10-1.01	07/21/10	NE	email		
013010-05A	Health and Safety Officer  Documentation	01 30 10-1.01	07/16/10	NE	07/16/10 email		
010010-03A	Documentation	010010-1.01	07710/10	1 1 1 1	07/08/10		
013010-06A	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	email		
0.100.10.00=		04.00.10.10.	07/00//		08/05/10		
013010-06B	Erosion and Pollution Control Plan	01 30 10-1.01	07/29/10	NE	email		
013010-07A	Project Work and Spec	01 30 10-1.01	07/21/10	NE	07/21/10		

¹ Status NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Page 1

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 11/11/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
			1		7101011100
	Compliance Confirmation		T	·····	email
					requested
					signed letter
					08/11/10
013010-08A	Quality Control Testing Log	01 30 10-3.16	08/04/10	NE	email
	Preliminary Schedule of Shop				07/11/10
013010-09A	Drawing Submittals	01 30 10-1.01	07/01/10	MC	email
	Preliminary Schedule of Shop				07/15/10
013010-09B	Drawing Submittals	01 30 10-1.01	07/14/10	MC	email
					08/24/10
013010-10A	Preconstruction Video	01 30 10-1.01	08/19/10	NE	email
					10/01/10
013010-11A	Dewatering Plan	01 30 10-1.01	09/29/10	NE	email
015001 Field I	Engineering and Surveying	,			
			<u> </u>		07/09/10
	·				email
					requesting
	Licensed Professional Land				verification
015001-01A	Surveyor	01 50 01-1.04	07/08/10	MC	of licensure
	Licensed Professional Land				07/15/10
015001-01B	Surveyor	01 50 01-1.04	07/15/10	NE	email
			1		08/05/10
					email and
					discussed
	Survey Certifying Locations and				over the
045004.004	Elevations are in Conformance	04 50 04 4 04	07/00/40	• •	phone with
015001-02A	with Contract Documents	01 50 01-1.04	07/28/10	AR	JE
	·				09/03/10
					email and
	Currey Cortifuing Locations and				discussed
	Survey Certifying Locations and Elevations are in Conformance				at
015001-02B	with Contract Documents	01 50 01-1.04	08/30/10	AR	construction
013001-020	WILL COLLIACE DOCUMENTS	01 00 01-1.04	06/30/10	An	meeting 09/21/10
015001-02C	Initial Survey As-builts	01 50 01-1.04	09/09/10	NE	email
510001 020	made currey no bunto	0100017.04	00/00/10	146	10/03/10
015001-03A	Record Drawings (As-Builts) Part 1	01 50 01-1.04	10/01/10	NE	email
			1 2 2 3		10/08/10
015001-03B	Record Drawings (As-Builts) Part 2	01 50 01-1.04	10/06/10	NE	email
	<u> </u>				10/08/10
015001-03C	Record Drawings (As-Builts) Part 3	01 50 01-1.04	10/08/10	NE	email

Project Name: Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u>

Log Updated: 11/11/2010

Submittal		Specification	Date		Date
Number	Description	Reference	Received	Status ¹	Returned
		407, 110,000			
045004 005			10/18/10	MC	10/18/10
015001-03D	Record Drawings (As-Builts) Part 4	01 50 01-1.04	10/22/10	NE	email
045004 005		<u> </u>			10/22/10
015001-03E	Record Drawings (As-Builts) Part 5	01 50 01-1.04	10/22/10	NE	email
045004 005	December Duranting and (A. Duille) December 1	04 50 04 4 04	10/05/10		10/25/10
015001-03F	Record Drawings (As-Builts) Part 6	01 50 01-1.04	10/25/10	NE_	email
015001-03G	Popord Drawings (Ap Builto) Dout 7	01 50 01 1 04	10/00/10		11/11/10
013001-030	Record Drawings (As-Builts) Part 7 Field Surveyor's Log signed and	01 50 01-1.04	10/29/10	MC	email
015001-04A	Sealed (Copies)	01 50 01 1 04			,
013001-04A	Sealed (Copies)	01 50 01-1.04	<u> </u>		
015005 Mobili	zation and Demobilization				
	Required Insurance Certificates				
015005-01A	and Bonds	01 50 00-1.01			
016000 Motor	als and Equipment				
010000 Water	Manufacturer's Instructions on		<del>1</del>		
	Product Delivery, Storage, and				
016000-01A	Handling	01 60 00-1.03	This is sul	hmittad w	ith products
010000 01/1	Transmig	01 00 00-1.03	11115 15 SU	binitied w	illi products
025316 Leach	ate Collection, Detection Pump				
				_	08/18/10
					email (will
	Manufacturer Prepared Shop				be covered
025316-01A	Drawings	02 53 16-1.03	08/18/10	NE	in -03A)
	· .				08/23/10
025316-02A	Operating Instructions	02 53 16-1.03	08/18/10	NE	email
	Equipment Warranty and				
025316-03A	Certification Form	02 53 16-1.03			
025615 Geosy	nthetic Clay Liner	•			
<u> </u>			,		08/11/10
025615-01A	GCL Manufacturer's Qualifications	02 56 15-1.05	08/02/10	NE	email
		<u> </u>	00,02,10	1112	08/06/10
025615-02A	Installer's Qualifications	02 56 15-1.05	08/03/10	NE	email
	Physical Sample of GCL Used in				
025615-03A	Final Construction	02 56 15-1.05	10/06/10	NE	
					08/13/10
025615-04A	GCL Installation Plan	02 56 15-1.05	08/10/10	NE	email
	Certificate of Subsurface				
025615-05A	Acceptability	02 56 15-1.05			
	Warranties and Warranties				
025615-06A	Conditions	02 56 15-1.05			

NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 11/11/2010

Submittal Number	Description	Specification Reference	Date	Ctatual	Date	
Number	Description	neierence	Received	Status ¹	Returned	
			T		07/47/40	
025615-07A	GCL Product Data Sheet	02 56 15-1.05	07/16/10	NE	07/17/10	
023013-07A	GCL Construction Quality	02 00 10-1.00	07/16/10	NE	email	
025615-08A	Assurance Manual	02 56 15 1 05	08/04/10	NIE .	08/06/10	
023013-00A	GCL Manufacturer's Installation	02 56 15-1.05	06/04/10	NE	email 08/11/10	
025615-09A	Guide	02 56 15-1.05	08/04/10	NE	email	
020010 0011		02 30 13-1.03	00/04/10	NE	08/11/10	
025615-10A	GCL Sample Warranties	02 56 15-1.05	08/10/10	NE	email	
020010 10/1	GOL Gampio Warrantioo	02 00 10 1.00	00/10/10	INL	09/01/10	
025615-11A	GCL Roll Certifications	02 56 15-1.05	08/30/10	NE	email	
	J. C. T. C. C. C. C. C. C. C. C. C. C. C. C. C.	02 00 10 1100	1 00/00/10	1 114	Official	
029041 Geosy	nthetic Rain Tarp					
	Manufacturer's Tests Specs, Install					
029041-01A	Instructions, and Roll Dimensions	02 90 41-1.02				
		····			09/01/10	
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02	08/30/10	NE	email	
	·				07/17/10	
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10	NE	email	
		***************************************			07/17/10	
029041-04A	Rain Tarp Product Data Sheet	02 90 41-1.02	07/16/10	NE	email	
	Geosynthetic Rain Tarp Layout -				11/08/10	
029041-05A	Revised	02 90 41-1.02	11/08/10	NE	email	
160000 Electri	cal		· · · · · · · · · · · · · · · · · · ·			
100000 014	Field Teeking Deeldet	40.00.00.0				
160000-01A	Field Testing Booklet	16 00 00-3.8	<u> </u>	<u>-</u>		
310519 Geote	vtile					
310313 Geole	Manufacturer's Prequalifications,		1	· ·		
	Tests, Specs, Install Instructions,				'	
	Roll Dimensions and Approval				07/17/10	
310519-01A	Form (Non-Woven Geotextile)	31 05 19-1.02	07/14/10	NE	email	
3.55.5	( (	01 00 10-1.02	07717710	146	08/23/10	
310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02	08/18/10	NE	email	
		31 00 10 1.02	33,13,13	MC	07/12/10	
				1410	email	
	Product Data/Access Road Fabric		07/08/10		07/16/10	
310519-03A	(Woven Geotextile)	31 05 19-1.02	07/15/10	NE	email	
7 00 10 10E 077 10 14E 011dii						
310520 Triplar	nar Geocomposite		•			
	Triplanar Manufacturer's	1.0			07/17/10	
310520-01A	Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	email	

MC - Make Corrections Noted

Project Name:

Citrus County Central Landfill

Project No.: 09207049.06

Phase 3 Expansion Project

Log Updated: 11/11/2010

Submittal		Specification	Date	<b>2.</b> 1	Date
Number	Description	Reference	Received	Status ¹	Returned
<u> </u>	I				
040500 045	Triplanar Manufacturer's	04.05.00.4.04	004040		08/13/10
310520-01B	Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	email
310520-02A	Triplanar Prequalifications	31 05 20-1.04			
					07/17/10
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	email
					07/21/10
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	email
					08/11/10
310520-05A	Triplanar Protection Method	31 05 20-1.04	08/04/10	NE	email
	Triplanar Material Data and				07/17/10
310520-06A	Specifications	31 05 20-1.04	07/14/10	NE	email
	Manufacturer's Quality Assurance			1	07/17/10
310520-07A	(MQC) Program	31 05 20-1.04	07/14/10	NE	email
	Triplanar Manufacturer's				07/17/10
310520-08A	Installation Instructions	31 05 20-1.04	07/14/10	NE	email
	Manufacturer's Triplanar				08/13/10
310520-09A	Qualifications	31 05 20-1.04	08/12/10	NE	email
040500 404	Trial and Control Desire	04.05.00.4.04	00/40/40		08/16/10
310520-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10	AR	email
210520 100	Triploper Coopet Design	21.05.00.1.04	00/01/10	NE	09/01/10
310520-10B	Triplanar Geonet Resin Triplanar Transmissivity Test	31 05 20-1.04	09/01/10	NE	email 08/17/10
310520-11A	Results	31 05 20-1.04	08/12/10	NE	email
310320-11A	Triplanar MQC Production Dates	31 03 20-1.04	00/12/10	IVL	08/17/20
310520-12A	and Test Results	31 05 20-1.04	08/12/10	NE	email
010020 12/	Tri-planar Production Dates and	01 00 20 1.04	00/12/10	INL	09/27/10
310520-13A	Tests Results (Batches 3 & 4)	31 05 20-1.04	09/22/10	NE	email
				1	
310521 Biplan	ar Geocomposite				
	Biplanar Manufacturer's				08/20/10
310521-01A	Experience of 5,000,000 sf	31 05 21-1.04	08/18/10	NE	email
310521-02A	Biplanar Prequalifications	31 05 21-1.04			
					09/14/10
310521-03A	Biplanar Transmissivity	31 05 21-1.04	09/14/10	NE	email
					07/21/10
310521-04A	Biplanar Roll Layout Drawings	<u>31</u> 05 21-1.04	07/13/10	NE	email
040504.054	Biologo Books W. AAN	04.05.04.4.04	004045		08/23/10
310521-05A	Biplanar Protection Method	31 05 21-1.04	08/18/10	NE	email
210521.064	Biplanar Material Data and	21 05 04 4 04	07/14/10	N.E	07/17/10
310521-06A	Specifications	31 05 21-1.04	07/14/10	NE	email

Project Name:

Citrus County Central Landfill Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 11/11/2010

Manufacturer's Quality Assurance   31 05 21-1.04   08/18/10   NE   08/23/10   31 05 21-08/24   NE   09/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10   O9/01/10	Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
310521-07A (MQC) Program   31 05 21-1.04   08/18/10   NE   email   Biplanar Manufacturer's Installation   10521-08A   Instructions   31 05 21-1.04   08/30/10   NE   email   09/01/10   09/01/10   09/01/10   09/14/10   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   09/14/10   Siplanar Geonet Resin   31 05 21-1.04   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O				1.1.000.1.00	Total	riotarrioa
310521-07A (MQC) Program   31 05 21-1.04   08/18/10   NE   email   Biplanar Manufacturer's Installation   10521-08A   Instructions   31 05 21-1.04   08/30/10   NE   email   09/01/10   09/01/10   09/01/10   09/14/10   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   09/14/10   Siplanar Geonet Resin   31 05 21-1.04   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O9/15/10   O		Manufacturer's Quality Assurance		-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		08/23/10
Biplanar Manufacturer's Installation   31 05 21-1.04   08/30/10   NE   09/01/10   email   Manufacturer's Biplanar   31 05 21-1.04   09/14/10   NE   09/14/10   NE   09/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10   O9/14/10	310521-07A		31 05 21-1.04	08/18/10	NE	
Manufacturer's Biplanar						09/01/10
310521-09A   Qualifications   31 05 21-1.04   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/14/10   NE   email   09/13/10   NE   email   09/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/10   O9/13/	310521-08A	I	31 05 21-1.04	08/30/10	NE	email
Siplanar Geonet Resin   31 05 21-1.04   09/14/10   NE   email		•				09/14/10
310521-10A   Biplanar Geonet Resin   Biplanar Transmissivity Test   Results   Biplanar Transmissivity Test   Results   Biplanar MQC Production Dates   Biplanar MQC Production Dates   Biplanar MQC Production Dates   Biplanar Manufacturer's Production   31 05 21-1.04   08/18/10   NE   email   09/13/10	310521-09A	Qualifications	31 05 21-1.04	09/14/10	NE	
Siplanar Transmissivity Test Results   31 05 21-1.04   08/18/10   NE   08/25/10   email	040504.404	D. J. G. J. D. J.				
310521-11A   Results   Biplanar MQC Production Dates and Test Results   31 05 21-1.04   08/18/10   NE   email	310521-10A		31 05 21-1.04	09/14/10	NE	
Siplanar MQC Production Dates and Test Results   31 05 21-1.04     09/09/10   NE   09/13/10     310521-13A   Dates and Test Results   31 05 21-1.04   09/09/10   NE   email     312000-121-13A   Dates and Test Results   31 05 21-1.04   09/09/10   NE   email     312000-01A   Borrow Source Qualification   31 20 00-1.04     312000-02A   Results   31 20 00-1.04     312000-03A   QC Consultant Qualifications   31 20 00-1.04     312000-05A   Record Drawings of Subbase   31 20 00-1.04     312000-05A   Record Drawings of Subbase   31 20 00-1.04     Placed in 2 submittals 321216-03/312000-07A   OSHA Regulations   31 20 00-1.04   08/02/10   NE   313219-01A   Geogrid Manufacturer's   31 32 19-1.04   08/19/10   AR   email   Geogrid Manufacturer's   31 32 19-1.04   09/14/10   AR   email   Geogrid Manufacturer's   31 32 19-1.04   09/14/10   AR   email   Geogrid Manufacturer's   31 32 19-1.04   09/14/10   AR   email   07/23/10   313219-02A   Geogrid Installation Plan   31 32 19-1.04   07/22/10   NE   email   07/23/10   Secogrid Manufacturer's   08/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10   O8/02/10	210501 114		01.05.04.1.04	00/40/40	_N _	
310521-12A   and Test Results   Biplanar Manufacturer's Production   310521-1.04   Biplanar Manufacturer's Production   31 05 21-1.04   09/09/10   NE   email	310521-11A		31 05 21-1.04	08/18/10	INE	emaii
Biplanar Manufacturer's Production Dates and Test Results   31 05 21-1.04   09/09/10   NE   09/13/10 email	310521-124		21 05 21 1 04			
310521-13A   Dates and Test Results   31 05 21-1.04   09/09/10   NE   email	310321-124		31 03 21-1.04			00/13/10
312000 Excavation, Backfill, and Grading   312000-01A   Borrow Source Qualification   31 20 00-1.04	310521-13A		31 05 21-1 04	09/09/10	NE	
312000-01A   Borrow Source Qualification   31 20 00-1.04   QC Geotechnical Lab Data and Results   31 20 00-1.04	010021 1011	Dates and 1 con 1 counts	0100211.04	03/03/10	147	Gilaii
312000-02A   Results   31 20 00-1.04	312000 Excav	ation, Backfill, and Grading		·		
312000-02A   Results   31 20 00-1.04	312000-01A	Borrow Source Qualification	31 20 00-1.04			
312000-03A         QC Consultant Qualifications         31 20 00-1.04           312000-04A         CQC Consultant Final Report         31 20 00-1.04           312000-05A         Record Drawings of Subbase         31 20 00-1.04           312000-06A         Access Road Testing         31 20 00-1.04         08/02/10           312000-07A         OSHA Regulations         09/27/10         NE           313219 Geogrid         Geogrid Manufacturer's Qualifications         31 32 19-1.04         08/19/10         AR email O9/14/10           313219-01B         Qualifications         31 32 19-1.04         09/14/10         AR email O7/23/10           313219-02A         Geogrid Installation Plan         31 32 19-1.04         07/22/10         NE email O8/02/10           313219-03A         Geogrid Warranties         31 32 19-1.04         07/22/10         NE email O8/02/10		QC Geotechnical Lab Data and				
312000-04A         CQC Consultant Final Report         31 20 00-1.04         Placed in 2 submittals 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216	312000-02A	Results	31 20 00-1.04			
312000-05A   Record Drawings of Subbase   31 20 00-1.04   Placed in 2 submittals 321216-312000-06A   Access Road Testing   31 20 00-1.04   08/02/10   01A and 321216-03/0312000-07A   OSHA Regulations   09/27/10   NE      313219 Geogrid   Geogrid Manufacturer's   31 32 19-1.04   08/19/10   AR   email   09/14/10   AR   email   09/14/10   AR   email   07/23/10   313219-02A   Geogrid Installation Plan   31 32 19-1.04   07/22/10   NE   email   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/10   08/02/1	312000-03A	QC Consultant Qualifications	31 20 00-1.04			
Placed in 2   Submittals 321216-03,   312000-06A   Access Road Testing   31 20 00-1.04   08/02/10   01A and 321216-03,   312000-07A   OSHA Regulations   09/27/10   NE     313219 Geogrid   Geogrid Manufacturer's   Qualifications   31 32 19-1.04   08/19/10   AR   email   Geogrid Manufacturer's   313219-01B   Qualifications   31 32 19-1.04   09/14/10   AR   email   07/23/10   313219-02A   Geogrid Installation Plan   31 32 19-1.04   07/22/10   NE   email   08/02/10   313219-03A   Geogrid Warranties   31 32 19-1.04   07/22/10   NE   email   08/02/10   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGINAL   ORIGIN	312000-04A	CQC Consultant Final Report	31 20 00-1.04			
312000-06A         Access Road Testing         31 20 00-1.04         08/02/10         submittals 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and 321216-03/01A and	312000-05A	Record Drawings of Subbase	31 20 00-1.04			
312000-06A   Access Road Testing   31 20 00-1.04   08/02/10   01A and 321216-03/03/12000-07A   OSHA Regulations   09/27/10   NE					Pla	ced in 2
312000-07A         OSHA Regulations         09/27/10         NE           313219 Geogrid           Geogrid Manufacturer's         31 32 19-1.04         08/19/10         AR         email           Geogrid Manufacturer's         09/14/10         AR         email           313219-01B         Qualifications         31 32 19-1.04         09/14/10         AR         email           313219-02A         Geogrid Installation Plan         31 32 19-1.04         07/22/10         NE         email           313219-03A         Geogrid Warranties         31 32 19-1.04         07/22/10         NE         email					K .	
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Geogrid Manufacturer's   08/23/10   AR   email   Geogrid Manufacturer's   31 32 19-1.04   08/19/10   AR   email   O9/14/10   AR   email   O9/14/10   AR   email   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O	312000-07A	OSHA Regulations		09/27/10	NE	
Geogrid Manufacturer's   08/23/10   AR   email   Geogrid Manufacturer's   31 32 19-1.04   08/19/10   AR   email   O9/14/10   AR   email   O9/14/10   AR   email   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O7/23/10   O	313219 Geogr	id				
313219-01A         Qualifications         31 32 19-1.04         08/19/10         AR         email           Geogrid Manufacturer's         09/14/10           313219-01B         Qualifications         31 32 19-1.04         09/14/10         AR         email           313219-02A         Geogrid Installation Plan         31 32 19-1.04         07/22/10         NE         email           313219-03A         Geogrid Warranties         31 32 19-1.04         07/22/10         NE         email						08/23/10
313219-01B         Qualifications         31 32 19-1.04         09/14/10         AR         email           313219-02A         Geogrid Installation Plan         31 32 19-1.04         07/22/10         NE         email           313219-03A         Geogrid Warranties         31 32 19-1.04         07/22/10         NE         email	313219-01A		31 32 19-1.04	08/19/10	AR	
313219-02A Geogrid Installation Plan 31 32 19-1.04 07/22/10 NE email 08/02/10 313219-03A Geogrid Warranties 31 32 19-1.04 07/22/10 NE email						09/14/10
313219-02A         Geogrid Installation Plan         31 32 19-1.04         07/22/10         NE         email           313219-03A         Geogrid Warranties         31 32 19-1.04         07/22/10         NE         email	313219-01B	Qualifications	31 32 19-1.04	09/14/10	AR	
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313219-03A Geogrid Warranties 31 32 19-1.04 07/22/10 NE email	313219-02A	Geogrid Installation Plan	31 32 19-1.04	07/22/10	NE	
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Geogria nesin inio ana Quality             08/04/10	313219-03A		31 32 19-1.04	07/22/10	NE	
313219-04A Control Certificates 31 32 19-1.04 07/22/10 AR email	313219-044		31 32 19-1 04	07/22/10	ΔR	

¹ Status NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

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Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 11/11/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned		
	Geogrid Manufacturer Material Info				08/02/10		
	and Quality Control Certificates		07/22/10	AR	8/24/10		
313219-05A	(Biaxial Geogrid)	31 32 19-1.04	8/24/10	NE	_(see -07A)		
	Geogrid Loading, Unloading, and				07/19/10		
313219-06A	Storage Recommendations	31 32 19-1.04	07/19/10	NE	email		
	Geogrid Roll Certifications (Biaxial				08/25/10		
313219-07A	Geogrid)	31 32 19-1.04	08/24/10	NE	email		
0.400.40.004		01.00.10.1.01					
313219-08A	Geogrid Record Drawings	31 32 19-1.04					
040040 004	Geogrid Material Data (Biaxial	04 00 40 4 04	07/44/40		07/17/10		
313219-09A	Geogrid)	31 32 19-1.04	07/14/10	NE	email		
212010 104	10XT Uniaxial Geogrid Leachate		00/00/40	00	08/13/10		
313219-10A	Exposure		08/09/10	RR	email		
313219-11A	Uniaxial Geogrid	313219-1.04	08/17/10	NE	08/19/10 email		
313219-11A	Uniaxial (22XT) Roll Certifications	313219-1.04	06/17/10	INC	10/15/10		
313219-12A	(15 Rolls)	313219-1.04	10/15/10	NE	email		
310219-12A	(13 Holls)	313213-1.04	110/13/10	INL	Ciliali		
316223 Cast-li	n-Place Concrete						
	Cast-In-Place Concrete Product						
316223-01A	Data	31 62 23-1.05					
321216 Δsnha	alt Paving and Crushed Concrete						
OZIZIO AODIIG	The Farming and Ordinated Controllete				08/11/10		
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE	email		
	Waterial Feets Heberie	02 (2 10 1.0)	1 00.0 1,10		- O//Idii		
321216-02A	Certification of Limerock Source	32 12 16-1.04					
	Composition Analysis for LBR Lab	·			08/11/10		
321216-03A	Report	32 12 16-1.04	08/04/11	NE	email		
			<u> </u>				
329000 Seedir	ng and Sodding		<u>,</u>				
	Sod Species and Percentages of		1				
329000-01A	Purity	32 90 00-1.02	<u> </u>				
330520 HDPE	330520 HDPE Geomembrane Liner						
	HDPE Manufacturer's				08/11/10		
330520-01A	Qualifications	33 05 20-1.04	08/04/10	NE	email		
330520-02A	HDPE Fabricator Qualifications	33 05 20-1.04					
					08/13/10		
330520-03A	Installer Qualifications	33 05 20-1.04	08/11/10	NE	email		
					08/11/10		
330520-04A	Material Warranty	33 05 20-1.04	08/11/10	AR	email		

¹ Status

NE - No Exceptions Taken AR - Amend and Resubmit MC - Make Corrections Noted

RR - Rejected, Resubmit

Page 7

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.:

09207049.06

Log Updated: 11/11/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
	2000.191.011	Hererende	Treceived	Otatus	netarried
		* 1		<u> </u>	09/14/10
330520-04B	Material Warranty	33 05 20-1.04	09/14/10	NE	email
	Geomembrane Resin Info and	00 00 10 110 1		1112	10/01/10
330520-05A	Quality Control Certificates	33 05 20-1.04	09/27/10	NE	email
	Continuation of Material QC	· · · · · · · · · · · · · · · · · · ·			10/01/10
330520-06B	Certificates	33 05 20-1.04	09/29/10	NE	email
	Continuation of Resin QC				10/01/10
330520-05B	Certificate	33 05 20-1.04	09/29/10	NE	email
	Geomembrane Manufacturer				
	Material Info and Quality Control				10/01/10
330520-06A	Certificates	33 05 20-1.04	09/27/10	NE	email
					08/16/10
330520-07A	Extrudate Rod Resin Information	33 05 20-1.04	08/12/10	NE	email
	HDPE Recommended Loading,				08/11/10
330520-08A	Unloading, and Hauling Equipment	33 05 20-1.04	08/04/10	NE	email
	List Indicating Correlation Between				
000500 004	QC Certificates and Individual			l l	10/01/10
330520-09A	Rolls	33 05 20-1.04	09/27/10	NE	email
220500 000	Combinuation of Link Completion of	00.05.00.4.04	00/00/40		10/01/10
330520-09B	Continuation of List Correlating QC	33 05 20-1.04	09/29/10	NE	email
330520-10A	HDPE Installation Plan	33 05 20-1.04			
_ 000020-10A	HDPE Resin Quality Control	33 03 20-1.04			<u> </u>
330520-11A	Certificate	33 05 20-1.04			
000020 1171	HDPE Manufacturer's Quality	00 00 20 1.04	<del> </del>		<del>-</del>
330520-12A	Control Roll Certificate	33 05 20-1.04			
	Manufacturer and Installer	00 00 20 1.01	-		
330520-13A	Warranties	33 05 20-1.04			
			<del> </del>		07/21/10
330520-14A	HDPE Panel Layout As-Builts	33 05 20-1.04	07/13/10	NE	email
-					
330520-15A	Subgrade Acceptance Certification	33 05 20-1.04			
	HDPE Geomembrane Product				07/16/10
330520-16A	Data Sheet	33 05 20-1.04	07/16/10	ZE	email
335110 Piping	. System				
iping	Piping Material Suppliers				
	Certifications and				
335110-01A	Recommendations	33 51 10-1.02			
	Manufacturer Certification of Resin	35 5 . 10 1.02			
335110-02A	Spec Compliance	33 51 10-1.02			
	Manufacturer Stress Regression	30 0 . 70 1102			08/11/10
335110-03A	testing	33 51 10-1.02	08/02/10	AR	email

Project Name:

Project No.:

09207049.06

Citrus County Central Landfill
Phase 3 Expansion Project

Log Updated: 11/11/2010

Submittal	Description	Specification	Date	a 1	Date
Number	Description	Reference	Received	Status ¹	Returned
	Manufacturer Stress Regression				08/17/10
335110-03B	testing	33 51 10-1.02	08/13/10	NE	email
	Elbows and Fittings Details and		08/02/10	AR	08/13/10
335110-04A	Specs	33 51 10-1.02	08/20/10	NE	08/24/10
	Flow Meter Manufacturer and				
335110-05A	Model Information	33 51 10-1.02			
335110-06A	Video Inspection Tape and Report	33 51 10-1.02			
335110-07A	Leak Testing Report	33 51 10-1.02			
335110-08A	Certification of Piping Completion	33 51 10-1.02			
					-
335110-09A	Valves and Accessories	33 51 10-1.02	10/18/10	MC	
			1		
335110-09B	Valves and Accessories	33 51 10-1.02	11/11/10		

# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

October 14, 2010, 10:00 A.M.

### **PROGRESS MEETING NO. 14 MINUTES**

The following are the progress meeting minutes for Meeting No. 14 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 14. The date is October 14, 2010 and the time is approximately 10:35 a.m. A sign in sheet is being passed around, everyone please sign in.

### **List of Attendees**

a) Citrus County

Casey Stephens	352-302-6980	casey.stephens@bocc.citrus.fl.us
Richard Neptune	352-400-1711	richard.neptune@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Justin Endsley	813-918-1441	jendsley@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com

### 1) Progress Meeting #13

a) Meeting Minutes

No comments.

# b) Unfinished business

- Sod along the access road -- Comanco indicated that the sod should be completed by Friday (October 15, 2010).
- Rain tarp flap -- Comanco indicated that they will create a small berm and lay the rain tarp on top of the berm.

# 2) Project Schedule

- a) Work Planned
  - Phase 3 Earthwork
    - i) Continuing earth cutting/filling.
    - ii) Putting east and north slopes on grade for geosynthetics.
    - iii) Finish grading bottom and leachate ditch for geosynthetics.
  - Managing the stormwater running into cell 3
    - i) Activating pumps as needed.
  - Phase 3 Geosynthetics
    - i) Staging material near areas of deployment.
    - ii) Digging anchor trench for areas of deployment.
    - iii) Biaxial Geogrid deployment on floor East side.
    - iv) GCL deployment on floor East side.
    - v) HDPE liner deployment of floor East side.
    - vi) Tie-in work on floor areas
  - Material on site
    - i) 1 load of triplanar arrived on Tuesday October 12, 2010.
    - ii) 2 loads of triplanar on Wednesday October 13, 2010.
    - iii) 1 load of triplanar Thursday October 14, 2010.
    - iv) 1 load of 24-inch RCP.
  - Subcontractors
    - i) Surveying subcontractor onsite (Berglund) Friday October 15, 2010.
    - ii) Diamond "C" hauling material.
- b) Equipment on Site

October 14, 2010 Progress Meeting No. 14 Minutes Page 3

Two dozers, one roller, one excavator, one water truck, two loaders, sixteen men onsite, one trailer, one ATV, one skid-steer, and one mini-excavator.

# c) Working Hours

Remain the same. Safety class will be held on October 19, 2010 thus no one will be onsite.

Comanco indicated that they are on schedule as long as the weather remains nice.

# 3) Field Orders, Change Orders

# 4) Construction Conflicts

### 5) Contractor's Submittals Status

- a) Shop Drawings
- b) Submittals
- c) RFI's

### 6) Contractor Issues

- Abandonment of Monitoring Well MW-4R. Comanco indicated that they would like this well to be abandoned by October 27, 2010.
- The existing elevations of the Phase 2 liner are inconsistent with the contract documents. SCS will contact DEP to ensure that Comanco is not responsible to adjust the elevations of the existing Phase 2 liner.
- Comanco indicated that there was a well covered up in the driveway that. The County indicated that it could be an abandoned well or piezometer MW-8. SCS will review the drawings to determine what was paved over.

# 7) County Issues

# 8) Consultant's Issues

SCS requested 24 hours notice for the installation of the gas probe.

October 14, 2010 Progress Meeting No. 14 Minutes Page 4

# 9) Site Safety and Housekeeping

• Site Safety documentation will be submitted to SCS and Citrus County.

# 10) Other Issues

# 11) Weekly Progress Meeting Schedule and Time

• Weekly Progress Meeting No. 15 will be at the office trailer next week October 21, 2010, 10:00 a.m.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 14

October 14, 2010, 10:00 A.M.

# SIGN IN SHEET

NAME	<b>COMPANY</b>	CELL PHONE	<b>EMAIL</b>
Dominique Bramlett	SCS Engineers	813-417-7577	dbramlett @ scsengibeers.com
JUSTIN ENDSLEY	Compile	813-918-1441	jendsley @ Comanco. com
Richard Neptune	Citrus Co	352-400-1711	sichard neptune Ocites fl. Us
Bill NEWMAN	Canones	813-434-5435	brewman @ comme , com
Casey Stephens	Citrus Co	<u>352 - 302 - 6980</u>	casey. stephens e bocc. citrus. fl. us
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**Shaping the Future** 

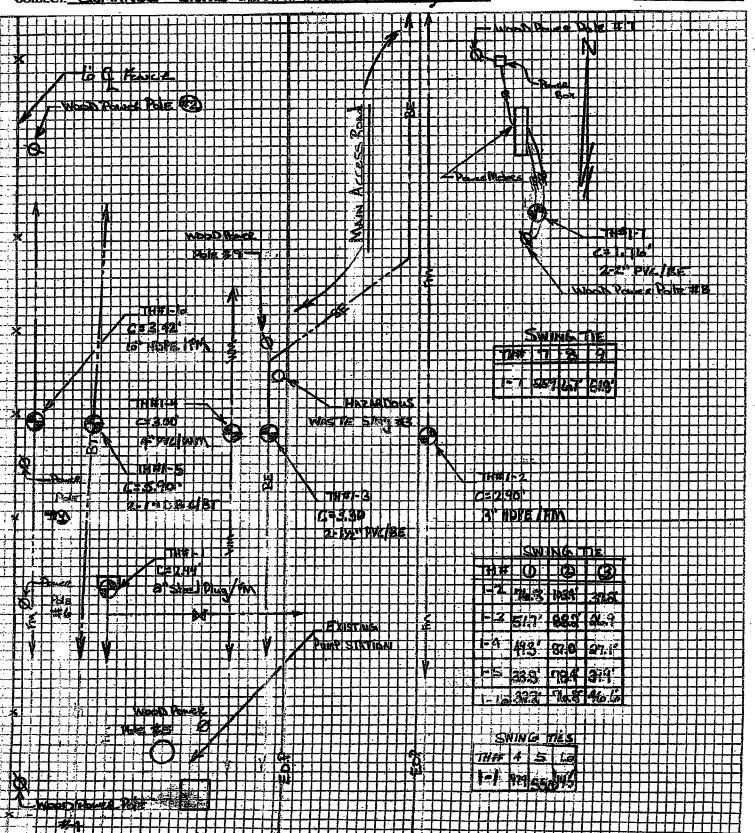
SUBJECT: COMANCO Citrus Central Landfill (Plase 3)

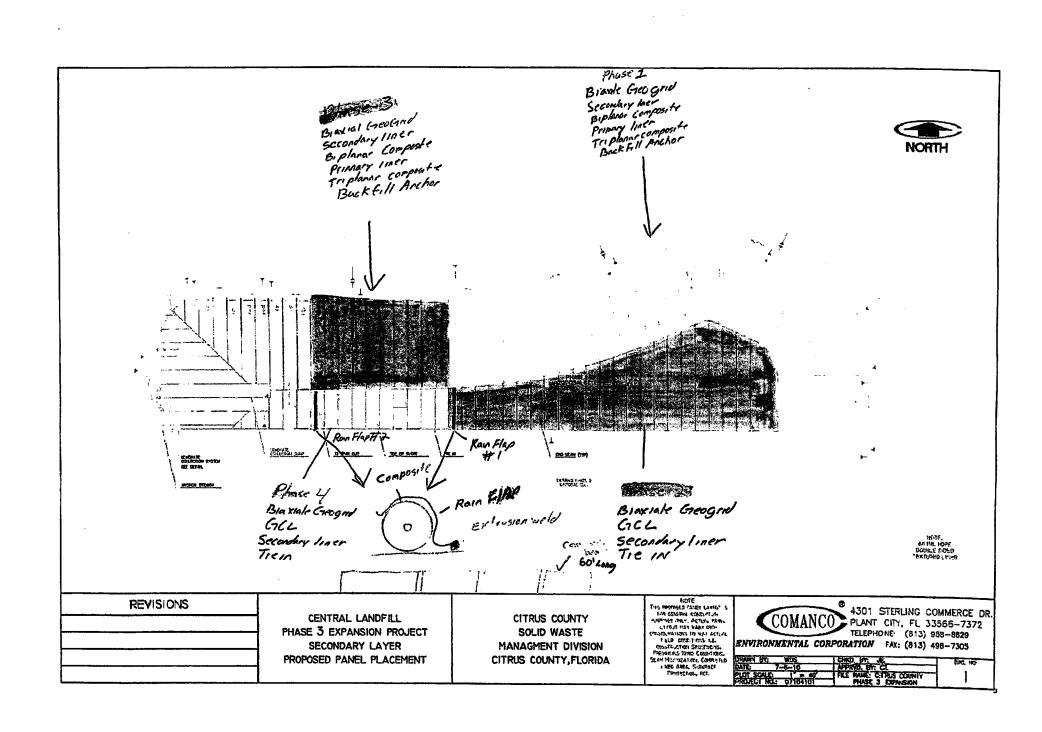
COMP. BY: M. Albanese.

CHK. BY:

DATE: 10-12-10

SHEET NO: 10-13-001.00





# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

October 21, 2010, 10:00 A.M.

### **PROGRESS MEETING NO. 15 MINUTES**

The following are the progress meeting minutes for Meeting No. 15 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 15. The date is October 21, 2010 and the time is approximately 10:30 a.m. A sign in sheet is being passed around, everyone please sign in.

### List of Attendees

a) Citrus County

Casey Stephens 352-302-6980 <u>casey.stephens@bocc.citrus.fl.us</u>

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Justin Endsley813-918-1441jendsley@comanco.comBill Newman813-434-5435bnewman@comanco.com

# 1) Progress Meeting #14

a) Meeting Minutes

No comments.

b) Unfinished business

- Sod along the access road -- Comanco indicated that the sod should be completed by Friday (October 22, 2010).
- MW-4R Abandonment of MW-4R will occur Friday (October 22).
- Gas Probe 19 SCS requested 24 hours notice prior to installing gas probe 19. Comanco indicated that the gas probe will be installed on Tuesday November 16.

## 2) Project Schedule

### a) Work Planned

Comanco indicated that they are ahead of schedule.

- Phase 3 Earthwork
  - i) Continuing earth cutting/filling.
  - ii) Finish grading bottom and leachate ditch for geosynthetics.
  - iii) Exposing tie-in on south side.
- Managing the stormwater running into cell 3
  - i) Activating pumps as needed.
  - ii) Installation of temporary rain flap.
- Phase 3 Geosynthetics
  - i) Staging material near areas of deployment.
  - ii) Digging anchor trench for areas of deployment.
  - iii) Biaxial Geogrid deployment on floor/slope.
  - iv) GCL deployment on floor.
  - v) HDPE liner deployment of floor/slope.
  - vi) Biplanar and triplanar deployment on floor.
- Subcontractors
  - i) Surveying subcontractor onsite (Berglund).
  - ii) Diamond "C" hauling material.

# b) Equipment on Site

Two dozers, one roller, one excavator, one water truck, two loaders, sixteen men onsite, one trailer, one ATV, one skid-steer, and one mini-excavator.

October 21, 2010 Progress Meeting No. 15 Minutes Page 3

c) Working Hours

Remain the same.

- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status
  - a) Shop Drawings
  - b) Submittals
  - c) RFI's
- 6) Contractor Issues
- 7) County Issues
- 8) Consultant's Issues
- 9) Site Safety and Housekeeping
  - Site Safety documentation will be submitted to SCS and Citrus County.
- 10) Other Issues
- 11) Weekly Progress Meeting Schedule and Time
  - Weekly Progress Meeting No. 16 will be at the office trailer next week October 28, 2010, 10:00 a.m.

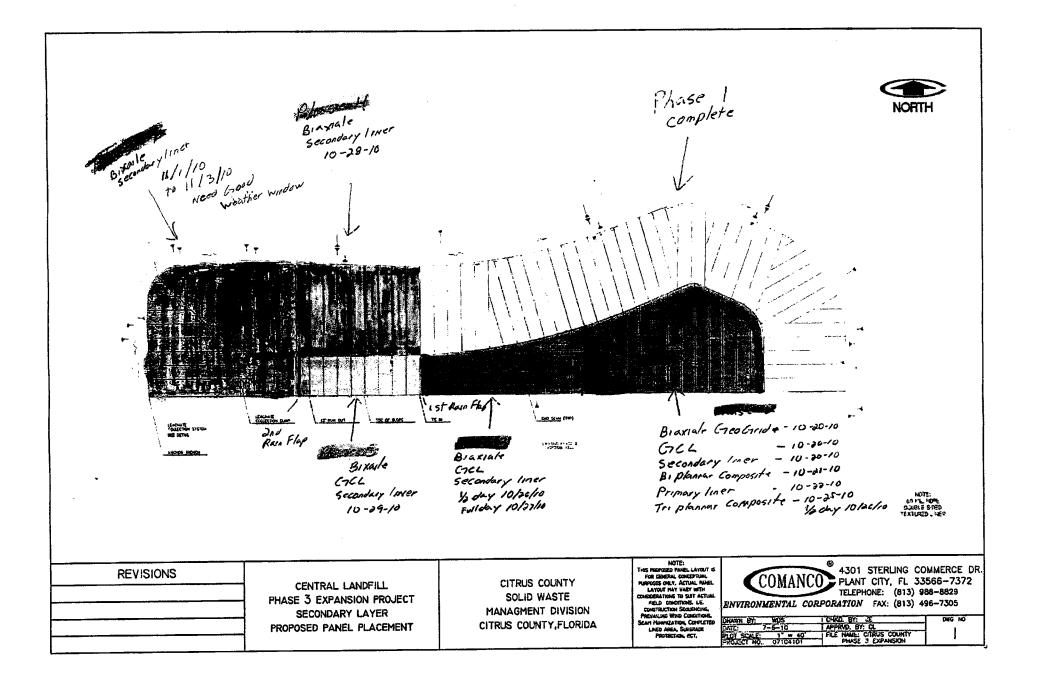
# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 15

# October 21, 2010, 10:00 A.M.

# **SIGN IN SHEET**

NAME	<b>COMPANY</b>	CELL PHONE	<b>EMAIL</b>
Dominique Braulott	SCS Engreers	813-417-7597	dbram ett @ scsenginoors. um
Troy Wated	Comanes Env. Corp.	813 714-0980	twattale comanco com
Bill Newman	Commenco Enu Com	813-434-5434	browmen @ compace Com
JUSTIN ENDSLEY	Lomanco	813-918-1441	jendsley @ Comarco. com
Casey Stephens	Citrus Co.	352 - 302 - 6980	casey. stephense bocc. citrus. H. us
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# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

October 28, 2010, 10:00 A.M.

### **PROGRESS MEETING NO. 16 MINUTES**

The following are the progress meeting minutes for Meeting No. 16 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 16. The date is October 28, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in.

### **List of Attendees**

a) Citrus County

Casey Stephens	352-302-6980	casey.stephens@bocc.citrus.fl.us
Richard Neptune	352-400-0076	richard.neptune@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Justin Endsley	813-918-1441	jendsley@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com
Troy Watral	813-714-0980	twatral@comanco.com

### 1) Progress Meeting #15

a) Meeting Minutes

No comments.

### b) Unfinished business

- Sod along the access road -- There is one area that still remains to be fixed.
   Comanco requested the use of seed and hay for the one area that remains to be fixed. The County agreed that the use of seed and hay was acceptable.
- Gas Probe 19 Comanco indicated that the probe will be installed on Monday November 15, 2010 and not on Tuesday November, 16, 2010. Comanco indicated that the area was cleared earlier this week.

## 2) Project Schedule

- a) Work Planned
  - Phase 3 Earthwork
    - i) General site grading.
    - ii) Anchor trench work.
  - Managing the stormwater running into cell 3
    - i) Activating pumps as needed.
  - Phase 3 Geosynthetics
    - i) Staging material near areas of deployment.
    - ii) HDPE liner deployment on floor/slope.
    - iii) Biplanar and triplanar deployment on floor/slope.
    - iv) Staging areas for uniaxial geogrid.
    - v) Tie-in work on floor and slope.
  - Subcontractors
    - i) Conrad Yelvington will be delivering No. 57 and No. 89 stone.
- b) Equipment on Site

Two dozers, one roller, one excavator, one water truck, two loaders, sixteen men onsite, one trailer, one ATV, one skid-steer, and one mini-excavator.

c) Working Hours

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October 28, 2010
Progress Meeting No. 16 Minutes
Page 3
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Comanco anticipates working on Saturday and maybe Sunday since there are chances of rain next week (Wednesday and Thursday).

- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status
  - a) Shop Drawings
  - b) Submittals -- (1) Comanco will provide a revised schedule by mind next week. (2) The box culvert drawings and calculations will be provided next week.
  - c) RFI's
- 6) Contractor Issues

Perimeter Ditch (east side) -- The ditch going to the south shows a 5 ft bottom. The drawings indicate to tie-in to the slopes however if they were to modify the bottom which is currently 10 to 12 feet wide they would have to import fill. Comanco questioned whether the ditch had to be 5 ft or whether it can remain as is with a 10 to 12 ft bottom and just tie-in on the side slopes. SCS indicated that as long as the bottom is wider than the plans and the tie-in to the slopes are per the grades as shown on the plans that this was acceptable. Thus Comanco will maintain the existing ditch bottom of 10 to 12 ft and tie-in to the existing grades on the side slopes.

7) County Issues

None.

8) Consultant's Issues

None.

- 9) Site Safety and Housekeeping
  - Site Safety documentation will be submitted to SCS and Citrus County.
- 10) Other Issues
- 11) Weekly Progress Meeting Schedule and Time

October 28, 2010 Progress Meeting No. 16 Minutes Page 4

• Weekly Progress Meeting No. 17 will be at the office trailer next week November 4, 2010, 10:00 a.m.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 16

# October 28, 2010, 10:00 A.M.

# SIGN IN SHEET

<u>NAME</u>	COMPANY	CELL PHONE	<u>EMAIL</u>
Donnique frankt	SCS Engueers	813-417-7597	dbrambett @ ses enjuers com
Richard Neptune	CITRUS CO	352 400-0076	richard neptune about citeur fis
Troy Watral	Comanco Env. Corp.	813 714-0980	le twatral @ comanco. com.
Bill NEWMAN	Comme Enu Corp.	<u>813 -434-5435</u>	bnewman @ amongo.com
JUSTIN ENDSLEY	Comanio	813-918-1441	jendsley@ comanco.com
Casey Stephens	Citrus Co.	352-302-6980	casey. stephense bocc. citrus. fl. us

# SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

November 4, 2010, 10:00 A.M.

## **PROGRESS MEETING NO. 17 MINUTES**

The following are the progress meeting minutes for Meeting No. 16 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 17. The date is November 4, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in.

### **List of Attendees**

a) Citrus County

Casey Stephens 352-302-6980 <u>casey.stephens@bocc.citrus.fl.us</u>

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Nick Bridges	813-323-3651	nbridges@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com
Troy Watral	813-714-0980	twatral@comanco.com

### 1) Progress Meeting #16

a) Meeting Minutes

No comments.

November 4, 2010 Progress Meeting No. 17 Minutes Page 2

# b) Unfinished business

# 2) Project Schedule

Comanco indicated that they will submit a revised schedule reflecting the geosynthetics installation being complete within the next 2 weeks.

# a) Work Planned

- Phase 3 Earthwork and other
  - i) General site grading.
  - ii) Anchor trench work.
  - iii) Protective cover.
  - iv) Fusion of 24-inch sump line.
- Managing the stormwater running into cell 3
  - i) Activating pumps as needed.
- Phase 3 Geosynthetics
  - i) Complete triplanar installation.
  - ii) Complete all slopes.
- Subcontractors and Delivery on site
  - i) Sligo pumps (mechanical this week. Panels/controls within 2 weeks).
  - ii) Protective cover (offsite).
  - iii) Air release valve.
  - iv) Fittings, flanges, bolts, gaskets.

# b) Equipment on Site

Two dozers, one roller, one excavator, one water truck, two loaders, sixteen men onsite, one trailer, one ATV, one skid-steer, and one mini-excavator.

c) Working Hours

Same

# 3) Field Orders, Change Orders

November 4, 2010 Progress Meeting No. 17 Minutes Page 3

Additional raintarp material on the sideslopes: Comanco is requesting a change order to be in compliance with Specification Section 31 05 20 (Triplanar Geocomposite). The Triplanar Specification Section 3.08G states: "that each product shall be protected from direct sunlight or precipitation prior to installation. After installation this product shall not be exposed to direct sunlight and shall be covered within 30 days of installation". Based upon this SCS concurs that this request is warranted.

## 4) Construction Conflicts

- 5) Contractor's Submittals Status
  - a) Shop Drawings
  - b) Submittals -- (1) Comanco will provide a revised schedule. (2) The box culvert drawings and calculations will be provided next week.
  - c) RFI's
- 6) Contractor Issues
- 7) County Issues

None.

8) Consultant's Issues

None.

- 9) Site Safety and Housekeeping
  - Site Safety documentation will be submitted to SCS and Citrus County.
- 10) Other Issues
- 11) Weekly Progress Meeting Schedule and Time
  - Weekly Progress Meeting No. 18 will be at the office trailer next week Friday, November 12, 2010, 10:00 a.m. Citrus indicated that Thursday November 11, 2010 is a holiday.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# **WEEKLY CONSTRUCTION PROGRESS MEETING NO. 17**

# November 4, 2010, 10:00 A.M.

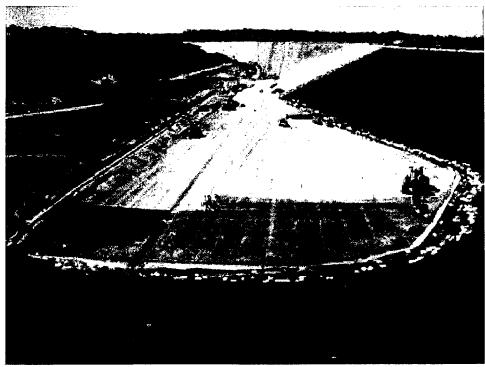
# **SIGN IN SHEET**

NAME	COMPANY	CELL PHONE	EMAIL
Dominique Brambett	SCS Engineers	813-417-7597	dbramlett@scsengners.com.
Casey Stephens	Citrus Co	362-527-7670	Casey. stephense boce. cutrus. fl. us
Tray Watral	Comanco Env. Corp.	(813) - 714 - 0980	twattal@ comanco.com
Bill Newman	Comme ENV Corp	(8131-434-5435	prouver & commer can
NICK BRIDGES	COMMUCO ENV. COPP.	(813) - 323 - 3651	ntridges @ comanco. com
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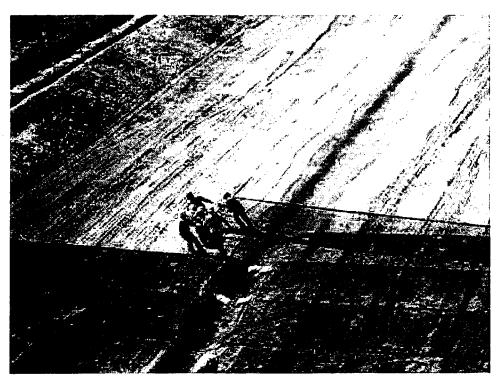
# ATTACHMENT C

CONSTRUCTION PHOTOGRAPHS
DURING REPORTING PERIOD

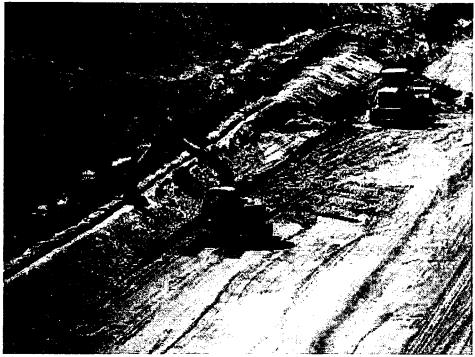
File Name	Date	Description
1	10-18-10	Phase 3 cell facing west
2	10-18-10	Biaxial geogrid deployment on east side of bottom floor
3	10-18-10	Exposing tie-in to phase 2 cell
4	10-21-10	Liner deployment on east side of bottom floor
5	10-21-10	Phase 3 cell facing east
6	10-26-10	East side of cell floor complete with Tri-Planar geocomposite
7	10-26-10	GCL deployment in the middle of the cell floor
8	10-28-10	Biaxial geogrid deployment on NW end of slopes
9	10-28-10	Phase 3 cell facing west
10	10-28-10	Liner deployment and rain flap staging
11	10-28-10	Phase 3 cell facing east
12	10-28-10	Phase 3 cell facing east



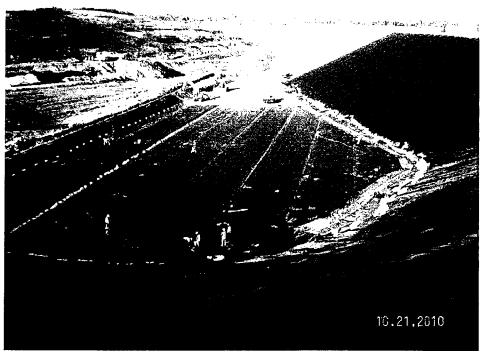
File 1



File 2



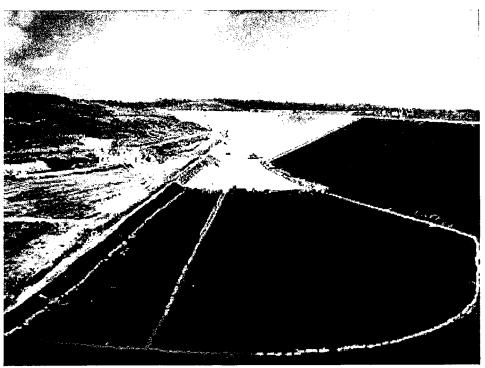
File 3



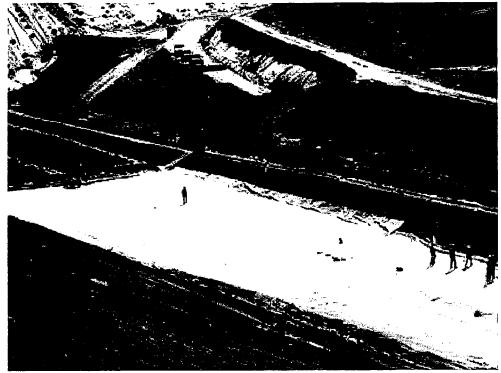
File 4



File 5



File 6

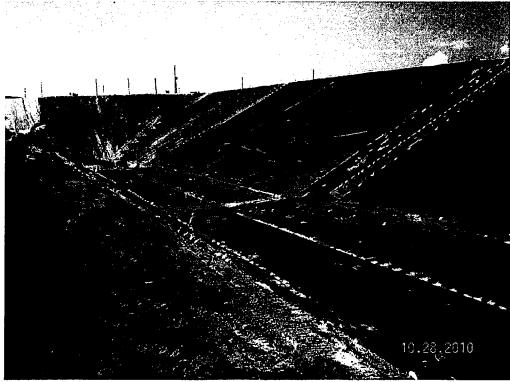


File 7

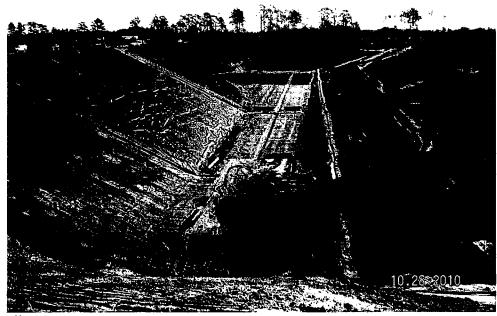


File 8

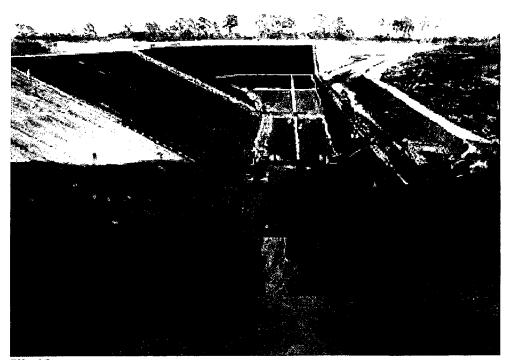




File 10



File 11



File 12

File Name	Date	Description
1	11-1-10	Finishing Geomembrane Repairs on Slopes
2	11-1-10	Eastern Half of Cell Covered with Tri-Planar Geocomposite
3	11-1-10	Entire Cell from East Viewpoint
4	11-1-10	Entire Cell from West Viewpoint
- 5	11-8-10	Hauling and Grading Protective Cover on Eastern Half of Cell
6	11-8-10	Western Half of Cell with Backfilled Anchor Trench
7	11-8-10	Finishing Bi-Planar Geocomposite on Floor and Southern Face of Cell
8	11-8-10	Tying-In Geocomposite on Floor
9	11-9-10	Aerial View Facing North
10	11-9-10	Aerial View Facing West
11	11-9-10	Aerial View Facing South
12	11-9-10	Aerial View Facing East



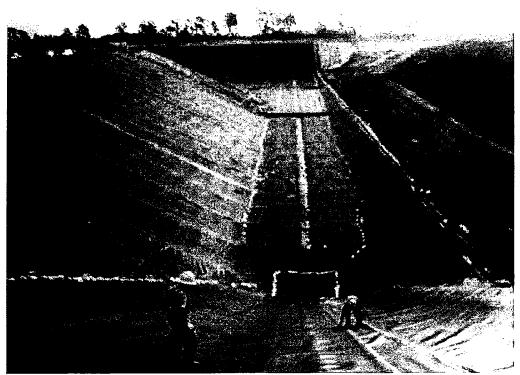
File 1



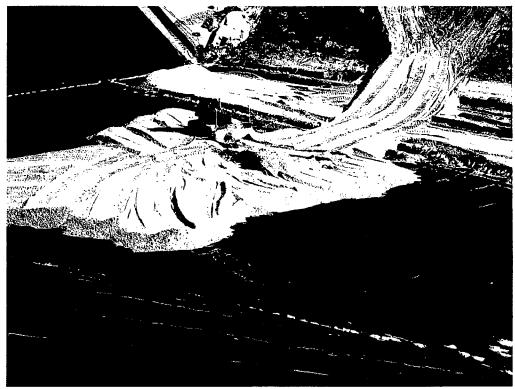
File 2



File 3



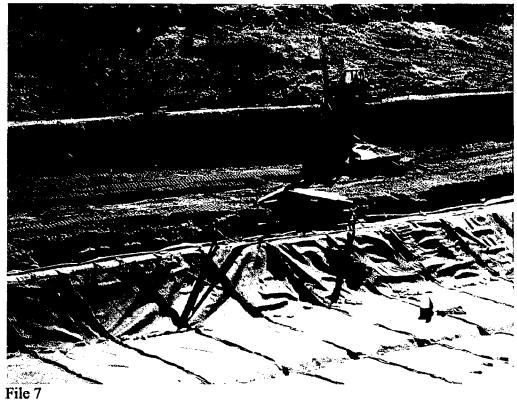
File 4



File 5

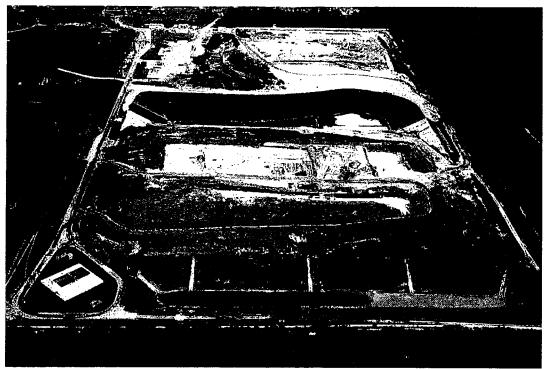


File 6





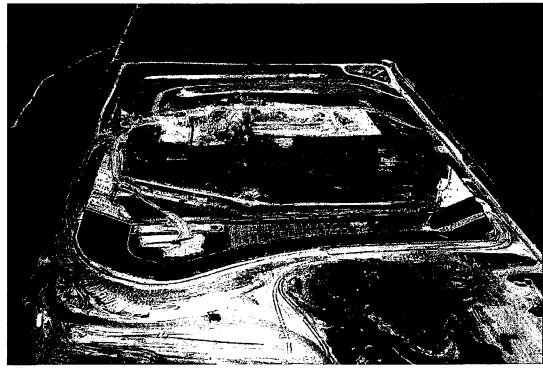
File 8



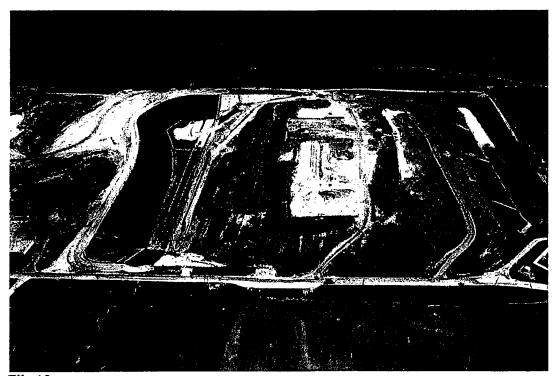
File 9



File 10



File 11



File 12

## SCS ENGINEERS

December 15, 2010 File No. 09207049.06

#### **MEMORANDUM**

TO:

Steve Morgan, Florida Department of Environmental Protection

FROM:

Dominique H. Bramlett, P.E., Senior Project Engineer

NB

C. Ed Hilton, P.E., Vice President

COPY:

Casey Stephens, Citrus County

**SUBJECT:** 

Monthly Progress Report No. 6 - November 15, 2010 to December 14, 2010

Citrus County Central Landfill Phase 3 Expansion Project

Permit Number 21375-013-SC/01

In accordance with Specific Condition B.6.b of Construction Permit Number 21375-013-SC/01 for the Citrus County Central Landfill Phase 3 Expansion Project, and on behalf of Citrus County Board of County Commissioners (BOCC), SCS Engineers (SCS) is providing the Monthly Progress Report for the above-referenced project. The Monthly Progress Report covers the time period from November 15, 2010 to December 14, 2010 and includes the following:

- 1. Updated construction schedule.
- 2. A narrative explaining the status (and any delays) of major stages of the construction (i.e., liner, piping, liner penetrations, etc.).
- 3. Weekly progress meeting minutes.
- 4. Problem or work deficiency meeting minutes.
- 5. A summary of submittals and change order requests.
- 6. Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction (i.e., biaxial reinforcing geogrid installation, leachate trench construction, Phase 2 liner tie-in, etc.). Photographs shall be date stamped.

Please place this Monthly Progress Report No. 6 – November 15, 2010 to December 14, 2010 into the 3-ring project binder that was previously submitted to FDEP in July 2010.

Mr. Steve Morgan Monthly Progress Report No. 6 - November 15, 2010 to December 14, 2010 December 15, 2010 Page 2

#### PROJECT OVERVIEW/CHANGE ORDERS

- 1. Notice to Proceed was issued by Citrus County on July 5, 2010.
- 2. Revised schedule dated 12/14/10 indicates an anticipated final completion date of December 29, 2010.
- 3. Geosynthetic installation completed.
- 4. Initiated stormwater structures.

### CONSTRUCTION ACTIVITIES/PROJECTED SCHEDULE

The following construction activities were conducted during the above-mentioned reporting period.

- 1. Weekly Construction Progress Meeting No. 19 was conducted on November 18, 2010.
- 2. Weekly Construction Progress Meeting No. 20 was conducted on December 2, 2010.
- 3. Weekly Construction Progress Meeting No. 21 was conducted on December 9, 2010.

Please refer to the construction schedule provided by Comanco Environmental Corporation (Comanco) contained in Attachment A.

# CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS

- 1. Weekly Construction Progress Meeting No. 18 was conducted on November 18, 2010.
- 2. Weekly Construction Progress Meeting No. 19 was conducted on December 2, 2010.
- 3. Weekly Construction Progress Meeting No. 20 was conduction on December 2, 2010.
- 4. Weekly Construction Progress Meeting No. 21 was conducted on December 9, 2010 and will be submitted with the Monthly Progress Report No. 7.

#### SUMMARY OF SUBMITTALS

A summary of the submittals reviewed to date by SCS for the project is provided in Attachment B.

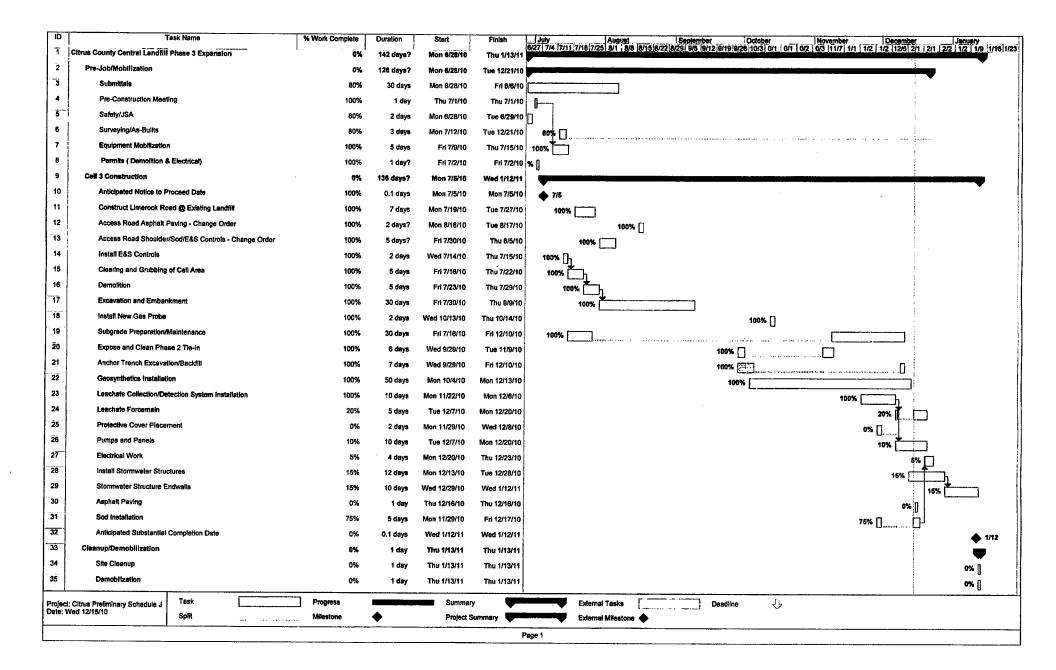
#### **PHOTOGRAPHS**

Please refer to Attachment C for photographs that are representative of the construction activities conducted during the above-mentioned reporting period.

Mr. Steve Morgan Monthly Progress Report No. 6 - November 15, 2010 to December 14, 2010 December 15, 2010 Page 3

Please do not hesitate to call should you have any questions or require additional information.

# ATTACHMENT A CONSTRUCTION SCHEDULE



#### ATTACHMENT B

WEEKLY CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS AND CONSTRUCTION SUBMITTAL LOGS

#### SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

November 12, 2010, 10:00 A.M.

#### **PROGRESS MEETING NO. 18 MINUTES**

The following are the progress meeting minutes for Meeting No. 18 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 18. The date is November 12, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in.

#### List of Attendees

a) Citrus County

Casey Stephens 352-302-6980 <u>casey.stephens@bocc.citrus.fl.us</u>

b) SCS Engineers

Dominique Bramlett 813-621-0080 dbramlett@scsengineers.com

c) Comanco Environmental Corporation

Bill Newman 813-434-5435 <u>bnewman@comanco.com</u>
Troy Watral 813-714-0980 <u>twatral@comanco.com</u>

#### 1) Progress Meeting #17

a) Meeting Minutes

No comments.

b) Unfinished business

#### 2) Project Schedule

Comanco indicated that they will submit a revised schedule reflecting the geosynthetics installation being complete within the next 2 weeks.

#### a) Work Planned

- Phase 3 Earthwork and other
  - i) General site grading.
  - ii) Installing 24-inch and 8-inch leachate piping at bottom of cell.
  - iii) Installing gas probe (GP-19) on Monday November 15, 2010.
  - iv) Preparing for cast-in-place concrete work.
- Managing the stormwater running into cell 3
  - i) Activating pumps as needed.
- Phase 3 Geosynthetics
  - i) Staging material near areas of deployment.
  - ii) Primary HDPE liner installation completed minor repairs in progress.
  - iii) Biplanar installation completed.
  - iv) Triplanar deployment on floor/slope final 3 panels this week.
  - v) Staging areas for uniaxial geogrid.
- Subcontractors and Delivery on site
  - i) Diamond "C" logistics on site hauling protective cover.
  - ii) Huss Drilling onsite for gas probe drilling.
  - iii) Coastal Concrete beginning work later in week.
  - iv) Berglund Surveying possibly on site this week.

#### b) Equipment on Site

Two dozers, one roller, one excavator, one water truck, two loaders, sixteen men onsite, one trailer, one ATV, one skid-steer, one mini-excavator, and two crawler carriers.

#### c) Working Hours

7 am to 5 pm

November 12, 2010 Progress Meeting No. 18 Minutes Page 3

#### 3) Field Orders, Change Orders

Will not use a 45 degree bend in the 24-inch carrier pipes. Will use 2-22.5 degrees which will be delivered on Monday. Welding will occur on Tuesday.

#### 4) Construction Conflicts

Asphalt on access road could possibly be a construction conflict.

#### 5) Contractor's Submittals Status

- a) Shop Drawings -- Valves and Accessories.
- b) Submittals
- c) RFI's

#### 6) Contractor Issues

#### 7) County Issues

None.

#### 8) Consultant's Issues

None.

#### 9) Site Safety and Housekeeping

• Site Safety documentation will be submitted to SCS and Citrus County.

#### 10) Other Issues

#### 11) Weekly Progress Meeting Schedule and Time

• Weekly Progress Meeting No. 19 will be at the office trailer next week Thursday, November 18, 2010, 10:00 a.m.

# Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

#### WEEKLY CONSTRUCTION PROGRESS MEETING NO. 18

#### November 12, 2010, 10:00 A.M.

#### SIGN IN SHEET

<u>NAME</u>	<b>COMPANY</b>	CELL PHONE	EMAIL
Casey Stephons	Scs exphoens Citros Co	813-417-7597 352-302-6890	dbramlettosesenguers casey steptase bocc.citus. fl.us
Bill Newman Troy Watral	Comanco Erwiron, Corp.	813 - 434 - 5435 813 - 714 - 0980	twatral @ comanco com.
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#### SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

November 18, 2010, 10:00 A.M.

#### PROGRESS MEETING NO. 19 MINUTES

The following are the progress meeting minutes for Meeting No. 19 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 19. The date is November 18, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in.

#### List of Attendees

a) Citrus County

Casey Stephens 352-302-6980 <u>casey.stephens@bocc.citrus.fl.us</u>

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Bill Newman 813-434-5435 <u>bnewman@comanco.com</u> Nick Bridges 813-323-3651 <u>bnewman@comanco.com</u>

#### 1) Progress Meeting #18

a) Meeting Minutes

No comments.

b) Unfinished business

November 18, 2010
Progress Meeting No. 19 Minutes
Page 2

• Onsite soil - waiting on PSI testing results. SCS will check the status.

#### 2) Project Schedule

Comanco and its subcontractor's/suppliers will not be working on Thursday or Friday, November 25th and 26th for the Thanksgiving Holidays.

#### a) Work Planned

- Phase 3 Earthwork and other
  - i) General site grading.
  - ii) Installing 24-inch and 8-inch leachate piping at bottom of cell.
  - iii) Preparing for sod work.
  - iv) Finishing protective cover on cell bottom.
  - v) Installing box culvert on Monday Nov. 29th.
- Managing the stormwater running into cell 3
  - i) Activating pumps as needed.
- Phase 3 Geosynthetics
  - i) Staging material near areas of deployment.
  - ii) Staging areas for Unixial geogrid and rain tarp.
  - iii) Delivery of final rain tarp on Wednesday November 24th.
  - iv) Backfilling anchor trench over geogrid and rain tarp.
- Subcontractors and Delivery on site
  - i) Diamond "C" logistics on site hauling protective cover.
  - ii) Coastal Concrete continuing work.
  - iii) Berglund Surveying on site this week.

#### b) Equipment on Site

Two dozers, one roller, one excavator, one water truck, two loaders, sixteen men onsite, one trailer, one ATV, one skid-steer, one mini-excavator, and two crawler carriers.

#### c) Working Hours

No work on Thursday or Friday November 24th and 25th.

November 18, 2010 Progress Meeting No. 19 Minutes Page 3

d) Safety

Had a near miss occur on Wednesday November 17th when a driver from Diamond C trucking was emptying a load and hit a power line despite the presence of signs warning against them. No injuries occurred.

- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status
  - a) Shop Drawings
  - b) Submittals
  - c) RFI's
- 6) Contractor Issues
- 7) County Issues

None.

8) Consultant's Issues

None.

- 9) Site Safety and Housekeeping
  - Site Safety documentation will be submitted to SCS and Citrus County.
- 10) Other Issues
- 11) Weekly Progress Meeting Schedule and Time
  - Weekly Progress Meeting No. 20 will be at the office trailer Thursday, December 2, 2010, 10:00 a.m.

## Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 19

#### November 19, 2010, 10:00 A.M.

#### **SIGN IN SHEET**

NAME	COMPANY	CELL PHONE	<b>EMAIL</b>
Dominique Brandet	SCS Engineers.	312-417-3597	dbramlet @ scsengencers com
NICK BRIDGES	CAM ANCO	813-323-3651	nbridges @ comanco com
Bill Houman	Comme	813-434-5435	brewmen @ commes.com
Casey Stephens	Citrus Co.	352-302-6890	casey. stepkense bocc. citrus. fl. us
			·
<u> </u>			

#### SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

December 2, 2010, 10:00 A.M.

#### **PROGRESS MEETING NO. 20 MINUTES**

The following are the progress meeting minutes for Meeting No. 20 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 20. The date is December 2, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in.

#### List of Attendees

a) Citrus County

Casey Stephens 352-302-6980 <u>casey.stephens@bocc.citrus.fl.us</u>

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Bill Newman813-434-5435bnewman@comanco.comNick Bridges813-323-3651nbridges@comanco.com

#### 1) Progress Meeting #19

a) Meeting Minutes

No comments.

b) Unfinished business

December 2, 2010 Progress Meeting No. 20 Minutes Page 2

• Box culvert - bearing capacity testing postponed until after box culvert is installed. It's noted that the structural engineer is taking full responsibility for the bearing capacity he's assumed in his calculations (2,000 psi).

#### 2) Project Schedule

Comanco and its subcontractor's/suppliers will not be working on Thursday or Friday, November 25th and 26th for the Thanksgiving Holidays.

- a) Work Planned
  - Phase 3 Earthwork and other
    - i) Finish leachate piping
    - ii) Continuing with sod work
    - iii) Finishing protective cover on cell bottom
    - iv) Starting on box culvert and headwalls on Wednesday
    - v) Excavating for forcemain and setting up for pressure testing
  - Managing the stormwater running into cell 3
    - i) Activating pumps as needed
  - Phase 3 Geosynthetics
    - i) All uniaxial geogrid deployed
    - ii) Completing last of rain tarp deployment on Monday and Tuesday
    - iii) All geosynthetics will be installed this week
  - Subcontractors and Delivery on site
    - i) Coastal Concrete preparing for installation.
    - ii) Berglund Surveying on site this week.
- b) Equipment on Site

Two dozers, one roller, one excavator, one water truck, two loaders, sixteen men onsite, one trailer, one ATV, one skid-steer, one mini-excavator, and two crawler carriers.

c) Working Hours

7 A.M. - 5:30 P.M.

Decembe	r 2, 2010		
Progress	Meeting No.	20	Minutes
Page 3			

- d): Safety
- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status
  - a) Shop Drawings
  - b) Submittals
  - c) RFI's
- 6) Contractor Issues
- 7) County Issues

None.

8) Consultant's Issues

None.

- 9) Site Safety and Housekeeping
  - Site Safety documentation will be submitted to SCS and Citrus County.
- 10) Other Issues
- 11) Weekly Progress Meeting Schedule and Time
  - Weekly Progress Meeting No. 21 will be at the office trailer Thursday, December 9, 2010, 10:00 a.m.

### Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 20

December 2, 2010, 10:00 A.M.

#### **SIGN IN SHEET**

NAME	<b>COMPANY</b>	CELL PHONE	<u>EMAIL</u>
Dominique Bramlet	•		d brankt @ ses engineers. em
Casey Stephons		352-302-6890	casey stephense bocc. citrus (1,05
Bill Hewmm	Cenance	813- 434- E435	bocumen @ comme . com
NICK BRIDGES	EOMANGO	813-323-3651	
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Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 12/03/2010

Submittal		Specification	Date		Date
Number	Description	Reference		Status ¹	Returned
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			· · · · · · · · · · · · · · · · · · ·		5.2.	
Pay Applications						
				MC	07/08/10 emailed with question on HUB invoice	
Pay App No. 1	Pay Application No. 1	01 20 00	07/01/10	NE	07/09/10	
Pay App No. 2	Pay Application No. 2	01 20 00	07/22/10	NE	07/23/10	
Pay App No. 3	Pay Application No. 3	01 20 00	08/24/10	NE	08/31/10	
Pay App No. 4	Pay Application No. 4	01 20 00	09/13/10	NE	09/13/10	
Pay App No. 5	Pay Application No. 5	01 20 00	09/27/10	NE	10/01/10	
Pay App No. 6	Pay Application No. 6	01 20 00	10/20/10	NE	10/22/10	
Pay App No. 7	Pay Application No. 7	01 20 00	11/29/10	NE	12/01/10	
Pay App No. 8	Pay Application No. 8	01 20 00	11/29/10	NE	12/01/10	
013010 Contra	actor Submittals	****				
013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	МС	07/07/10 email	
013010-01B	Preliminary Schedule	01 30 10-1.01	07/08/10	NE	07/08/10 email	
013010-02A	Excavation Plan	01 30 10-1.01	07/01/10	NE	07/08/10 email	
013010-03A	Health and Safety Plan	01 30 10-1.01	07/01/10	MC	07/11/10 email	
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	AR	07/15/10 email 08/04/10	
013010-03B	Quality Control (QC) Plan			NE MC	email 07/11/10	
		01 30 10-1.01	07/01/10	MC_	email 07/21/10	
013010-04B	Quality Control (QC) Plan Health and Safety Officer	01 30 10-1.01	07/21/10	NE	email 07/16/10	
013010-05A	Documentation	01 30 10-1.01	07/16/10	NE	email	

¹ Status

NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Page 1

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u> Log Updated: <u>12/03/2010</u>

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
- Italiaoi	Description	neielelice	neceived	Status	neturned
			<u> </u>	T-	07/08/10
013010-06A	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	email
					08/05/10
013010-06B	Erosion and Pollution Control Plan	01 30 10-1.01	07/29/10	NE	email
į					07/21/10
					email
040040.074	Project Work and Spec				requested
013010-07A	Compliance Confirmation	01 30 10-1.01	07/21/10	NE	signed letter
013010-08A	Quality Control Testing Law	04 00 40 0 40	00/04/40		08/11/10
013010-06A	Quality Control Testing Log Preliminary Schedule of Shop	01 30 10-3.16	08/04/10	NE	email
013010-09A	Drawing Submittals	01 30 10-1.01	07/01/10	МС	07/11/10
010010-03A	Preliminary Schedule of Shop	013010-1.01	07/01/10	IVIC	email 07/15/10
013010-09B	Drawing Submittals	01 30 10-1.01	07/14/10	мс	email
		0100101.01	0771-7710	1010	08/24/10
013010-10A	Preconstruction Video	01 30 10-1.01	08/19/10	NE	email
					10/01/10
013010-11A	Dewatering Plan	01 30 10-1.01	09/29/10	NE	email
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015001 Field	Engineering and Surveying	····	-		
					07/09/10
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	Licensed Professional Land				requesting
015001-01A	Surveyor	01 50 01-1.04	07/08/10	MC	verification
0100010111	Licensed Professional Land	01 30 01-1.04	07/06/10	IVIC	of licensure 07/15/10
015001-01B	Surveyor	01 50 01-1.04	07/15/10	NE	email
		0100011.01	07710710	111	08/05/10
·					email and
	·				discussed
	Survey Certifying Locations and		]		over the
	Elevations are in Conformance			,	phone with
015001-02A	with Contract Documents	01 50 01-1.04	07/28/10	AR	JE
•		•			09/03/10
			[		email and
•	Survey Certifying Locations and				discussed
	Elevations are in Conformance				at
015001-02B	with Contract Documents	01 50 01-1.04	08/30/10	AR	construction meeting
		31 33 31 1.07	35/55/10	711	09/21/10
015001-02C	Initial Survey As-builts	01 50 01-1.04	09/09/10	NE	email
					10/03/10
015001-03A	Record Drawings (As-Builts) Part 1	01 50 01-1.04	10/01/10	NE	email

¹ Status

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 12/03/2010

Submittal		Specification	Date	<u> </u>	Date
Number	Description	Reference	Received	Status ¹	Returned
			<del></del>		
					10/08/10
015001-03B	Record Drawings (As-Builts) Part 2	01 50 01-1.04	10/06/10	NE	email
					10/08/10
015001-03C	Record Drawings (As-Builts) Part 3	01 50 01-1.04	10/08/10	NE	email
			10/18/10	MC	10/18/10
015001-03D	Record Drawings (As-Builts) Part 4	01 50 01-1.04	10/22/10	NE	email
					10/22/10
015001-03E	Record Drawings (As-Builts) Part 5	01 50 01-1.04	10/22/10	NE	email
045004.005	D. 15				10/25/10
015001-03F	Record Drawings (As-Builts) Part 6	01 50 01-1.04	10/25/10	NE	email
015001 000	Beauth Duraninas (As Ballia) D. 17	04.50.04.04			11/11/10
015001-03G	Record Drawings (As-Builts) Part 7	01 50 01-1.04	10/29/10	MC	email
015001-03H	Record Drawings (As-Builts) Part 7 (resubmittal)	04 50 04 4:04	10/00/10		12/02/10
015001-030		01 50 01-1.04	12/02/10	NE	email
015001-04A	Field Surveyor's Log signed and	04 50 04 4 04			
013001-04A	Sealed (Copies)	01 50 01-1.04	<u> </u>		<u> </u>
015005 Mobili	zation and Demobilization				
	Required Insurance Certificates				
015005-01A	and Bonds	01 50 00-1.01			
016000 Materi	als and Equipment				
	Manufacturer's Instructions on				
	Product Delivery, Storage, and				
016000-01A	Handling	01 60 00-1.03	This is sub	omitted w	ith products
025316 Leach	ate Collection, Detection Pump				-
			<u> </u>		08/18/10
					email (will
	Manufacturer Prepared Shop				be covered
025316-01A	Drawings	02 53 16-1.03	08/18/10	NE	in -03A)
					08/23/10
025316-02A	Operating Instructions	02 53 16-1.03	08/18/10	NE	email
	Equipment Warranty and		1		
025316-03A	Certification Form	02 53 16-1.03		].	
025615 Geosv	nthetic Clay Liner				
			Т	<del></del>	08/11/10
025615-01A	GCL Manufacturer's Qualifications	02 56 15-1.05	08/02/10	NE	email
		32 00 10 1100	00,02,10	- 115	08/06/10
025615-02A	Installer's Qualifications	02 56 15-1.05	08/03/10	NE	email
	Physical Sample of GCL Used in	32 00 10 1.00	00,00,10	14-	- Ornan
025615-03A	Final Construction	02 56 15-1.05	10/06/10	NE	ľ

1 Status NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted RR - Rejected, Resubmit

Page 3

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: Log Updated:

09207049.06

12/03/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned	
714111301	Description	1 tototonoo	neocrica	Otatas	rictarrica	
<u></u>	· · · · · · · · · · · · · · · · · · ·	- <del>- //-</del>	7		09/19/10	
025615-04A	GCL Installation Plan	02 56 15-1.05	08/10/10	NE	08/13/10	
023013-04A	Certificate of Subsurface	02 30 13-1.03	06/10/10	INE	email	
025615-05A		00 56 15 1 05				
023013-03A	Acceptability Warranties and Warranties	02 56 15-1.05				
025615-06A	Conditions	00 56 15 1 05				
023013-00A	Conditions	02 56 15-1.05	<del></del>		07/17/10	
025615-07A	GCL Product Data Sheet	02 56 15-1.05	07/16/10	NE		
023013-07A	GCL Construction Quality	02 36 13-1.03	07/16/10	INC	email 08/06/10	
025615-08A	Assurance Manual	02 56 15-1.05	08/04/10	NE		
023013-00A	GCL Manufacturer's Installation	02 30 13-1.03	06/04/10	INE	email 08/11/10	
025615-09A	Guide	02 56 15-1.05	08/04/10	NE		
023013-03A	duide	02 30 13-1.03	06/04/10	IVE	email 08/11/10	
025615-10A	GCL Sample Warranties	02 56 15-1.05	08/10/10	NE	email	
023013-10A	GOL Sample Warranties	02 30 13-1.03	06/10/10	140	09/01/10	
025615-11A	GCL Roll Certifications	02 56 15-1.05	08/30/10	NE		
023013-11A	doe non certifications	02 00 10-1.00	00/30/10	INE	email	
029041 Geosy	nthetic Rain Tarp		·			
	Manufacturer's Tests Specs, Install					
029041-01A	Instructions, and Roll Dimensions	02 90 41-1.02		_		
					09/01/10	
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02	08/30/10	NE	email	
					07/17/10	
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10	NE	email	
					07/17/10	
029041-04A	Rain Tarp Product Data Sheet	02 90 41-1.02	07/16/10	NE	email	
	Geosynthetic Rain Tarp Layout -				11/08/10	
029041-05A	Revised	02 90 41-1.02	11/08/10	NE	email	
000044 004	Manufacturer's Evaluation Reports				11/23/10	
029041-06A	(3 additional rolls)	02 90 41-1.02	11/17/10	NE	email	
160000 51	, a a l					
160000 Electri	Cai					
160000 014	Field Testing Dealdet	10.00.00.0				
160000-01A	Field Testing Booklet	16 00 00-3.8				
310519 Geotextile						
	Manufacturer's Pregualifications,					
	Tests, Specs, Install Instructions,					
	Roll Dimensions and Approval				07/17/10	
310519-01A	Form (Non-Woven Geotextile)	31 05 19-1.02	07/14/10	NE	email	
			<u> </u>		08/23/10	
310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02	08/18/10	NE	email	

1 Status NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

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Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06 Log Updated: 12/03/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
<del></del>					
			<u> </u>	MC	07/12/10
				"""	email
	Product Data/Access Road Fabric		07/08/10		07/16/10
310519-03A	(Woven Geotextile)	31 05 19-1.02	07/15/10	NE	email
310520 Tripla	nar Geocomposite		<del></del>	"	
•	Triplanar Manufacturer's		1		07/17/10
310520-01A	Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	email
	Triplanar Manufacturer's				08/13/10
310520-01B	Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	email
310520-02A	Triplanar Prequalifications	31 05 20-1.04			
					07/17/10
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	email
					07/21/10
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	email
		·			08/11/10
310520-05A	Triplanar Protection Method	31 05 20-1.04	08/04/10	NE	email
	Triplanar Material Data and				07/17/10
310520-06A	Specifications	31 05 20-1.04	07/14/10	NE	email
	Manufacturer's Quality Assurance				07/17/10
310520-07A	(MQC) Program	31 05 20-1.04	07/14/10	NE	email
040-00	Triplanar Manufacturer's				07/17/10
310520-08A	Installation Instructions	31 05 20-1.04	07/14/10	NE	email
040500 004	Manufacturer's Triplanar				08/13/10
310520-09A	Qualifications	31 05 20-1.04	08/12/10	NE	email
210500 104	Triplanar Coanat Daoin	04.05.00.4.04	00/40/40	۸.	08/16/10
310520-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10	AR	email
310520-10B	Triplanar Geonet Resin	31 05 20-1.04	09/01/10	NE	09/01/10 email
310320-10D	Triplanar Transmissivity Test	31 03 20-1.04	09/01/10	INC	08/17/10
310520-11A	Results	31 05 20-1.04	08/12/10	NE	email
010020-117	Triplanar MQC Production Dates	01 03 20-1.04	00/12/10	INL	08/17/20
310520-12A	and Test Results	31 05 20-1.04	08/12/10	NE	email
010020 1271	Tri-planar Production Dates and	01 00 20-1.04	00/12/10	145	09/27/10
310520-13A	Tests Results (Batches 3 & 4)	31 05 20-1.04	09/22/10	NE	email
310521 Biplan	ear Geocomposite			· · · · · · · · · · · · · · · · · · ·	
	Biplanar Manufacturer's	<del></del>	T	T	08/20/10
310521-01A	Experience of 5,000,000 sf	31 05 21-1.04	08/18/10	NE	email
310521-02A	Biplanar Prequalifications	31 05 21-1.04			
U TUUL TULA	Dipidrial i requalifications	01 00 21-1.04			

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.00 Log Updated: 12/03/2010

09207049.06

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
					09/14/10
310521-03A	Biplanar Transmissivity	31 05 21-1.04	09/14/10	NE	email
					07/21/10
310521-04A	Biplanar Roll Layout Drawings	31 05 21-1.04	07/13/10	NE	email
					08/23/10
310521-05A	Biplanar Protection Method	31 05 21-1.04	08/18/10	NE	email
	Biplanar Material Data and				07/17/10
310521-06A	Specifications	31 05 21-1.04	07/14/10	NE	email
040504 074	Manufacturer's Quality Assurance	04.05.04.4.04	20110110		08/23/10
310521-07A	(MQC) Program	31 05 21-1.04	08/18/10	NE	email
210501 004	Biplanar Manufacturer's Installation Instructions	01.05.01.1.04	00/00/10	N15-	09/01/10
310521-08A	Manufacturer's Biplanar	31 05 21-1.04	08/30/10	NE	email
310521-09A	Qualifications	31 05 21-1.04	09/14/10	NE	09/14/10 email
310321-03A	Qualifications	31 03 21-1.04	09/14/10	INC	09/14/10
310521-10A	Biplanar Geonet Resin	31 05 21-1.04	09/14/10	NE	email
010021 1071	Biplanar Transmissivity Test	010021107	00/14/10		08/25/10
310521-11A	Results	31 05 21-1.04	08/18/10	NE	email
	Biplanar MQC Production Dates		30, 10, 10		Ottidii
310521-12A	and Test Results	31 05 21-1.04			
	Biplanar Manufacturer's Production	· ·			09/13/10
310521-13A	Dates and Test Results	31 05 21-1.04	09/09/10	NE	email
	<u> </u>				
312000 Excava	ation, Backfill, and Grading				
040000 044	<b>5</b>				:
312000-01A	Borrow Source Qualification	31 20 00-1.04	ļ		4.450440
010000 004	QC Geotechnical Lab Data and	04 00 00 4 04	44/47/40		11/23/10
312000-02A	Results	31 20 00-1.04	11/17/10	NE	email
312000-03A	QC Consultant Qualifications	31 20 00-1.04			
312000-03A	QO CONSULATIL QUAINICATIONS	31 20 00-1.04			
312000-04A	CQC Consultant Final Report	31 20 00-1.04			
012000 0 111	· ·	0120001.0+	-		
312000-05A	Record Drawings of Subbase	31 20 00-1.04			
				Pla	ced in 2
				I .	als 321216-
312000-06A	Access Road Testing	31 20 00-1.04	08/02/10	1	321216-03A
312000-07A	OSHA Regulations		09/27/10	NE	
313219 Geogri			,	· · · · · · · · · · · · · · · · · · ·	
040040.04	Geogrid Manufacturer's				08/23/10
313219-01A	Qualifications	31 32 19-1.04	08/19/10	AR	email

¹ Status

NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

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Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u> Log Updated: <u>12/03/2010</u>

Submittal		Specification	Date		Date
Number	Description	Reference	Received	Status ¹	Returned
	•				
	Geogrid Manufacturer's	:			09/14/10
313219-01B	Qualifications	31 32 19-1.04	09/14/10	AR	email
					07/23/10
313219-02A	Geogrid Installation Plan	31 32 19-1.04	07/22/10	NE	email
					08/02/10
313219-03A	Geogrid Warranties	31 32 19-1.04	07/22/10	NE	email
	Geogrid Resin Info and Quality				08/04/10
313219-04A	Control Certificates	31 32 19-1.04	07/22/10	AR	<u>email</u>
	Geogrid Manufacturer Material Info				08/02/10
	and Quality Control Certificates	•	07/22/10	AR	8/24/10
313219-05A	(Biaxial Geogrid)	31 32 19-1.04	8/24/10	NE	(see -07A)
	Geogrid Loading, Unloading, and				07/19/10
313219-06A	Storage Recommendations	31 32 19-1.04	07/19/10	NE	email
	Geogrid Roll Certifications (Biaxial				08/25/10
313219-07A	Geogrid)	31 32 19-1.04	08/24/10	NE	email
040040 004	O	04 00 40 4 04			
313219-08A	Geogrid Record Drawings	31 32 19-1.04			07/17/10
040040 004	Geogrid Material Data (Biaxial	01 00 10 1 04	07/44/40	NI-	07/17/10
313219-09A	Geogrid)	31 32 19-1.04	07/14/10	NE	email
212010 104	10XT Uniaxial Geogrid Leachate		00/00/10	DD.	08/13/10
313219-10A	Exposure	<del></del>	08/09/10	RR	email
313219-11A	Uniovial Googrid	313219-1.04	08/17/10	NE	08/19/10 email
313219-11A	Uniaxial Geogrid Uniaxial (22XT) Roll Certifications	313219-1.04	06/17/10	INE	10/15/10
313219-12A	(15 Rolls)	313219-1.04	10/15/10	NE	email
310219-12A	[(13 11018)	313219-1.04	10/13/10	IVL	GIIIAII
316223 Cast-l	n-Place Concrete				
010220	Cast-In-Place Concrete Product	······································	<u> </u>		-
316223-01A	Data	31 62 23-1.05	11/18/10		
<u> </u>	Cast-In-Place Concrete Product	0.022000	1.0,10,10		
316223-01B	Data	31 62 23-1.05	12/03/10		
	· · · · · · · · · · · · · · · · · · ·		1 2 3 3 7 7 9	L	
321216 Aspha	It Paving and Crushed Concrete			•	
					08/11/10
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE	email
	•				
321216-02A	Certification of Limerock Source	32 12 16-1.04			
	Composition Analysis for LBR Lab				08/11/10
321216-03A	Report	32 12 16-1.04	08/04/11	NE	email
329000 Seedir	ng and Sodding				
	Sod Species and Percentages of				
329000-01A	Purity	32 90 00-1.02			

NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

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Project Name:

**Submittal** 

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.:

09207049.06

Log Updated:

Specification

12/03/2010

Date

**Date** 

Number	Description Reference		Received	Status ¹	Returned	
·			(see a see a see a see a see a see a see a see a see a see a see a see a see a see a see a see a see a see a s	· <del></del> -		
330520 HDPE Geomembrane Liner						
	HDPE Manufacturer's				08/11/10	
330520-01A	Qualifications	33 05 20-1.04	08/04/10	NE	email	
330520-02A	HDPE Fabricator Qualifications	33 05 20-1.04	-		08/13/10	
330520-03A	Installer Qualifications	33 05 20-1.04	08/11/10	NE	email	
330320-03A	mstaner Quanications	00 00 20 1.04	00/11/10	145	08/11/10	
330520-04A	Material Warranty	33 05 20-1.04	08/11/10	AR	email	
					09/14/10	
330520-04B	Material Warranty	33 05 20-1.04	09/14/10	NE	email	
	Geomembrane Resin Info and				10/01/10	
330520-05A	Quality Control Certificates	33 05 20-1.04	09/27/10	NE	email	
	Continuation of Material QC				10/01/10	
330520-06B	Certificates	33 05 20-1.04	09/29/10	NE	email	
200500 050	Continuation of Resin QC	00.05.00.4.04	00/00/40		10/01/10	
330520-05B	Certificate Geomembrane Manufacturer	33 05 20-1.04	09/29/10	NE	email	
	Material Info and Quality Control				10/01/10	
330520-06A	Certificates	33 05 20-1.04	09/27/10	NE	email	
330320-00A	Certificates	00 00 20 1.04	00/2//10	- ' '	08/16/10	
330520-07A	Extrudate Rod Resin Information	33 05 20-1.04	08/12/10	NE	email	
	HDPE Recommended Loading,				08/11/10	
330520-08A	Unloading, and Hauling Equipment	33 05 20-1.04	08/04/10	NE	email	
	List Indicating Correlation Between					
	QC Certificates and Individual				10/01/10	
330520-09A	Rolls	33 05 20-1.04	09/27/10	NE	email	
		00.07.00.4.04	00/00/40		10/01/10	
330520-09B	Continuation of List Correlating QC	33 05 20-1.04	09/29/10	NE	email	
330520-10A	HDPE Installation Plan	33 05 20-1.04				
330320-10A	HDPE Resin Quality Control	00 00 20 1.0+				
330520-11A	Certificate	33 05 20-1.04				
	HDPE Manufacturer's Quality			<del> </del>		
330520-12A	Control Roll Certificate	33 05 20-1.04				
	Manufacturer and Installer					
330520-13A	Warranties	33 05 20-1.04				
					07/21/10	
330520-14A	HDPE Panel Layout As-Builts	33 05 20-1.04	07/13/10	NE	email	
330520-15A	Subgrade Acceptance Certification	33 05 20-1.04				
330320-13A	Condition	33 03 20-1.04	1			

Project Name:

Citrus County Central Landfill Phase 3 Expansion Project

Project No.: 09207049.06

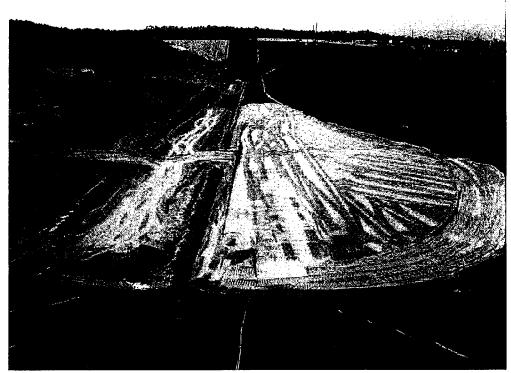
Log Updated: 12/03/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned	
Hamber Description Herefelice Heacived Status Hetalik					Hotaliloa	
e angine	HDPE Geomembrane Product				07/16/10	
330520-16A	Data Sheet	33 05 20-1.04	07/16/10	NE	email	
335110 Piping	335110 Piping System					
	Piping Material Suppliers					
	Certifications and					
335110-01A	Recommendations	33 51 10-1.02				
	Manufacturer Certification of Resin		:			
335110-02A	Spec Compliance	33 51 10-1.02	ļ			
005440.004	Manufacturer Stress Regression	00 51 10 100	22/22/12		08/11/10	
335110-03A	testing	33 51 10-1.02	08/02/10	AR	email	
005110 005	Manufacturer Stress Regression			]	08/17/10	
335110-03B	testing	33 51 10-1.02	08/13/10	NE	email	
007440 044	Elbows and Fittings Details and		08/02/10	AR	08/13/10	
335110-04A	Specs	33 51 10-1.02	08/20/10	NE	08/24/10	
335110-05A	Flow Meter Manufacturer and Model Information	22 51 10 1 00		- 		
335110-05A	woder information	33 51 10-1.02	<u> </u>			
335110-06A	Video Inspection Tape and Report	33 51 10-1.02				
335110-07A	Leak Testing Report	33 51 10-1.02				
335110-08A	Certification of Piping Completion 33 51 10-1.02					
335110-09A	Valves and Accessories 33 51 10-1.02 10/18/10 MC					
335110-09B	Valves and Accessories	33 51 10-1.02	11/11/10	NE	11/16/10 email	

#### ATTACHMENT C

CONSTRUCTION PHOTOGRAPHS DURING REPORTING PERIOD

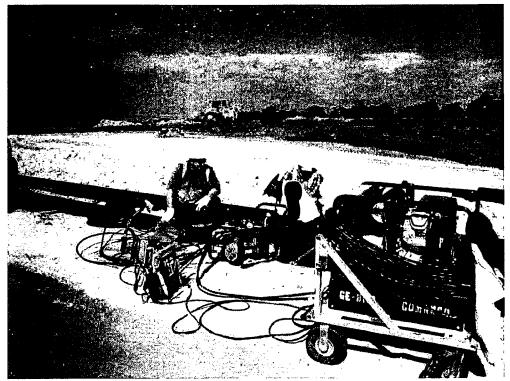
File Name	Date	Description
1	11-16-10	Spreading and Grading Protective Cover on the Floor of Cell
2	11-16-10	Placing 8" Pipe on Cell Bottom
3	11-16-10	Fusing 8" Pipe Together Before Placement
4	11-16-10	Filling Sand Bags to Anchor Rain Tarp
5	11-18-10	Rain Tarp Installation Completed on East Slope
6	11-18-10	Rain Tarp Installation Continued on Slopes
7	11-18-10	Continuing Work on Protective Cover on the Floor of Cell
8	11-18-10	Spreading Protective Cover/Placing and Backfilling 8" Pipe
9	11-22-10	Finishing Protective Cover Placement on South End of Cell
10	11-22-10	Beginning Deployment of Rain Tarp on Floor of Cell
11	11-22-10	View of Cell Facing West
12	11-22-10	View of Cell Facing East



File 1



File 2



File 3



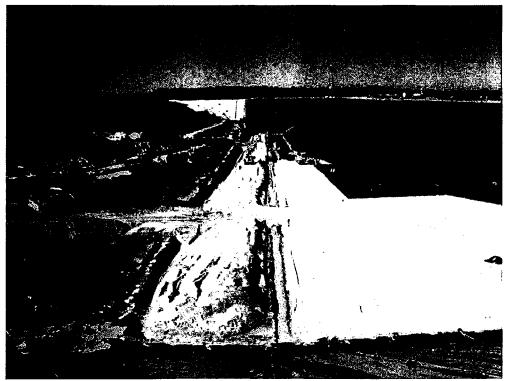
File 4



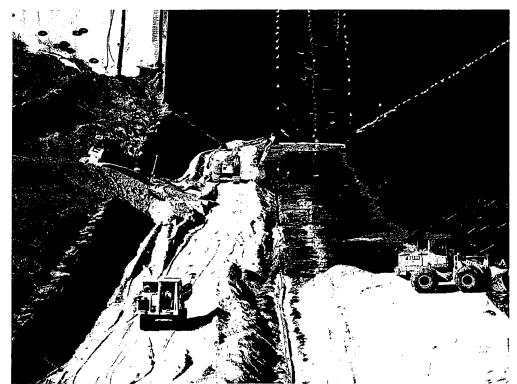
File 5



File 6



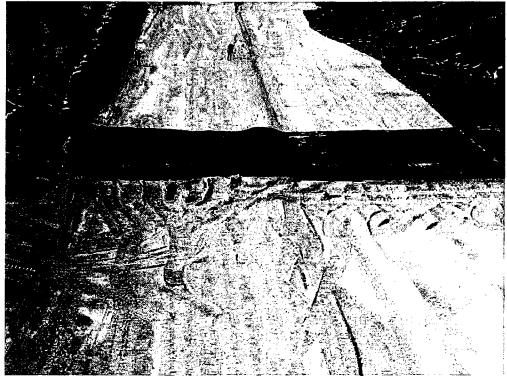
File 7



File 8



File 9



File 10



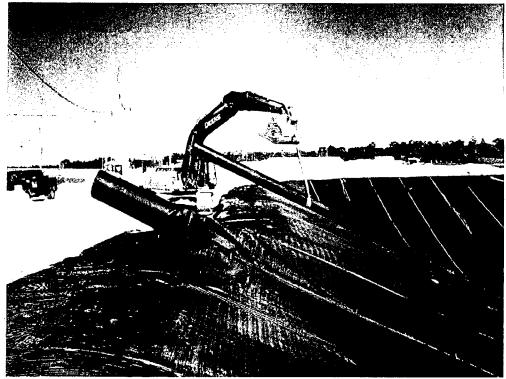
File 11



File 12

File Name	Date	Description
1	12-1-10	Setting Pipe in Place
2	12-1-10	Configuring Riser Pipe and Unloading Rock
3	12-2-10	Sodded Trench on East Side of Cell
4	12-2-10	Grading Protective Cover on Western Half of Cell
5	12-2-10	24" and 8" Collection Pipes in Place
6	12-6-10	Completing Rain Tarp Installation
7	12-7-10	Grading South Slope
8	12-7-10	Finishing Rain Tarp Installation on West Slope
9	12-6-10	Aerial Photo of Cell Facing South
10	12-6-10	Aerial Photo of Cell Facing East
11	12-6-10	Aerial Photo of Cell Facing North
12	12-6-10	Aerial Photo of Cell Facing West

Citrus County Central Landfill Phase 3 Expansion Project Photos – December 1, 2010 to December 15, 2010 ITB 040-10



File 1



File 2

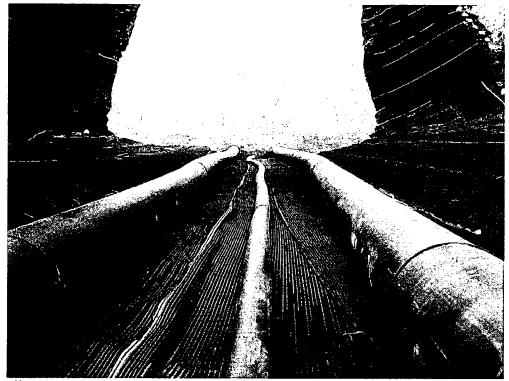


File 3



File 4

Citrus County Central Landfill Phase 3 Expansion Project Photos – December 1, 2010 to December 15, 2010 ITB 040-10



File 5

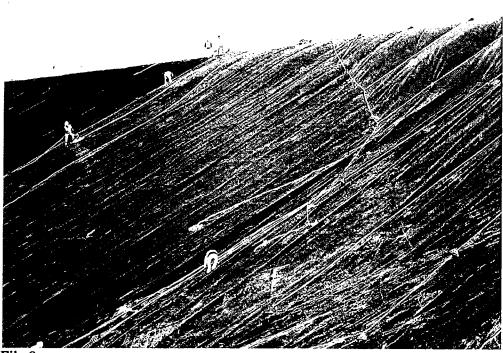


File 6

Citrus County Central Landfill Phase 3 Expansion Project Photos – December 1, 2010 to December 15, 2010 ITB 040-10

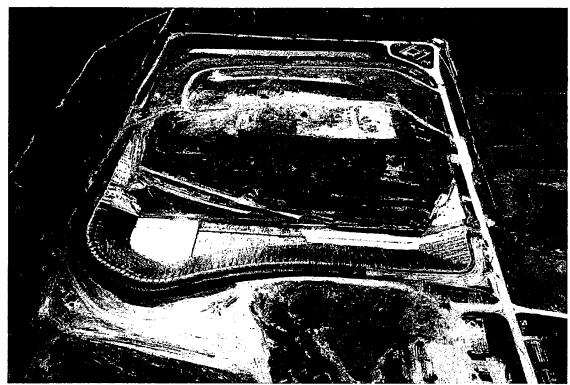


File 7



File 8

Citrus County Central Landfill Phase 3 Expansion Project Photos – December 1, 2010 to December 15, 2010 ITB 040-10

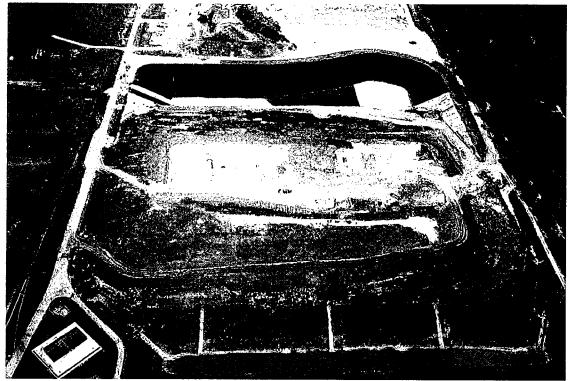


File 9

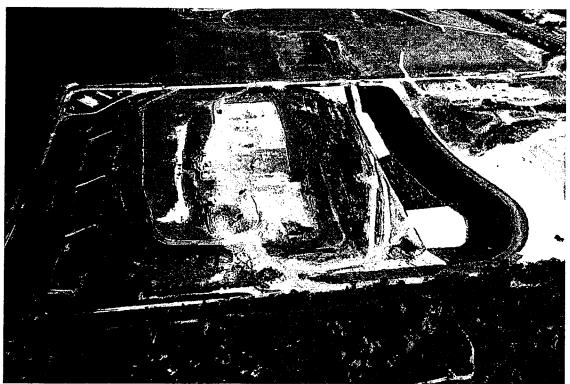


File 10

Citrus County Central Landfill Phase 3 Expansion Project Photos – December 1, 2010 to December 15, 2010 ITB 040-10



File 11



File 12

N3

#### SCS ENGINEERS

January 14, 2011 File No. 09207049.06

#### **MEMORANDUM**

TO:

Steve Morgan, Florida Department of Environmental Protection

FROM:

Dominique H. Bramlett, P.E., Senior Project Engineer

C. Ed Hilton, P.E., Vice President

COPY:

Casey Stephens, Citrus County

**SUBJECT:** 

Monthly Progress Report No. 7 - December 15, 2010 to January 14, 2011

Citrus County Central Landfill Phase 3 Expansion Project

Permit Number 21375-013-SC/01

In accordance with Specific Condition B.6.b of Construction Permit Number 21375-013-SC/01 for the Citrus County Central Landfill Phase 3 Expansion Project, and on behalf of Citrus County Board of County Commissioners (BOCC), SCS Engineers (SCS) is providing the Monthly Progress Report for the above-referenced project. The Monthly Progress Report covers the time period from December 15, 2010 to January 14, 2011 and includes the following:

- 1. Updated construction schedule.
- 2. A narrative explaining the status (and any delays) of major stages of the construction (i.e., liner, piping, liner penetrations, etc.).
- 3. Weekly progress meeting minutes.
- 4. Problem or work deficiency meeting minutes.
- 5. A summary of submittals and change order requests.
- 6. Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction (i.e., biaxial reinforcing geogrid installation, leachate trench construction, Phase 2 liner tie-in, etc.). Photographs shall be date stamped.

Please place this Monthly Progress Report No. 7 - December 15, 2010 to January 14, 2011 into the 3-ring project binder that was previously submitted to FDEP in July 2010.

Mr. Steve Morgan Monthly Progress Report No. 7 - December 15, 2010 to January 14, 2011 January 14, 2011 Page 2

# PROJECT OVERVIEW/CHANGE ORDERS

- 1. Notice to Proceed was issued by Citrus County on July 5, 2010.
- 2. Final completion date January 17, 2011.
- 3. Geosynthetic installation completed.
- 4. Stormwater structures completed.
- 5. Final walk through scheduled January 18, 2011.

# CONSTRUCTION ACTIVITIES/PROJECTED SCHEDULE

The following construction activities were conducted during the above-mentioned reporting period.

- 1. Weekly Construction Progress Meeting No. 22 was conducted on December 16, 2010.
- 2. Weekly Construction Progress Meeting No. 23 was conducted on December 28, 2010.
- 3. Weekly Construction Progress Meeting No. 24 was conducted on January 6, 2010.
- 4. Weekly Construction Progress Meeting No. 25 was conducted on January 13, 2011.

Please refer to the construction schedule provided by Comanco Environmental Corporation (Comanco) contained in Attachment A.

# CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS

- 1. Weekly Construction Progress Meeting No. 21 was conducted on December 9, 2010.
- 2. Weekly Construction Progress Meeting No. 22 was conducted on December 16, 2010.
- 3. Weekly Construction Progress Meeting No. 23 was conducted on December 28, 2010.
- 4. Weekly Construction Progress Meeting No. 24 was conducted On January 6, 2011.
- 5. Weekly Construction Progress Meeting No. 25 was conducted on January 13, 2011.

#### SUMMARY OF SUBMITTALS

A summary of the submittals reviewed to date by SCS for the project is provided in Attachment B.

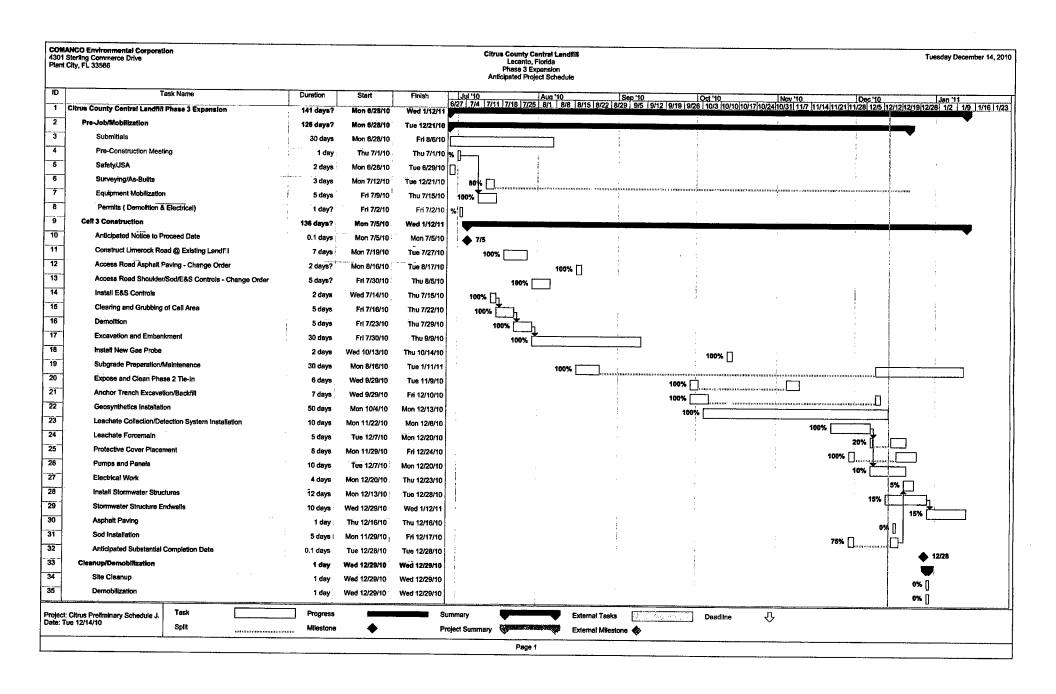
Mr. Steve Morgan Monthly Progress Report No. 7 - December 15, 2010 to January 14, 2011 January 14, 2011 Page 3

#### **PHOTOGRAPHS**

Please refer to Attachment C for photographs that are representative of the construction activities conducted during the above-mentioned reporting period.

Please do not hesitate to call should you have any questions or require additional information.

# ATTACHMENT A CONSTRUCTION SCHEDULE



#### ATTACHMENT B

WEEKLY CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS AND CONSTRUCTION SUBMITTAL LOGS

Project Name:

Citrus County Central Landfill

Phase 3 Expansion Project

Project No.:

09207049.06

Log Updated: 01/14/11

Submittal Specification Date **Date** Number Description Reference Received Status¹ Returned

Pay Application	ons				
				MC	07/08/10 emailed with question on HUB invoice
Pay App No. 1	Pay Application No. 1	01 20 00	07/01/10	NE	07/09/10
Pay App No. 2	Pay Application No. 2	01 20 00	07/22/10	NE	07/23/10
Pay App No. 3	Pay Application No. 3	01 20 00	08/24/10	NE	08/31/10
Pay App No. 4	Pay Application No. 4	01 20 00	09/13/10	NE	09/13/10
Pay App No. 5	Pay Application No. 5	01 20 00	09/27/10	NE	10/01/10
Pay App No. 6	Pay Application No. 6	01 20 00	10/20/10	NE	10/22/10
Pay App No. 7	Pay Application No. 7	01 20 00	11/29/10	NE	12/01/10
Pay App No. 8	Pay Application No. 8	01 20 00	11/29/10	NE	12/01/10
Pay App No. 9	Pay Application No. 9	01 20 00	12/27/10	NE	12/27/10
013010 Contra	ector Submittals				
013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	МС	07/07/10 email
013010-01B	Preliminary Schedule	01 30 10-1.01	07/08/10	NE	07/08/10 email
013010-02A	Excavation Plan	01 30 10-1.01	07/01/10	NE	07/08/10 email
013010-03A	Health and Safety Plan	01 30 10-1.01	07/01/10	МС	07/11/10 email
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	AR NE	07/15/10 email 08/04/10 email
013010-04A	Quality Control (QC) Plan	01 30 10-1.01	07/01/10	MC	07/11/10 email
013010-04B	Quality Control (QC) Plan	01 30 10-1.01	07/21/10	NE	07/21/10 email

1 Status

NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name: Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 01/14/11

Submittal		Specification	Date		Date
Number	Description	Reference	Received	Status ¹	Returned
	<del></del>	•			
	Health and Safety Officer	oli de de la companya de la companya de la companya de la companya de la companya de la companya de la company			07/16/10
013010-05A	Documentation	01 30 10-1.01	07/16/10	NE	email
					07/08/10
013010-06A	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	email
					08/05/10
013010-06B	Erosion and Pollution Control Plan	01 30 10-1.01	07/29/10	NE	email
1					07/21/10
					email
	Project Work and Spec				requested
013010-07A	Compliance Confirmation	01 30 10-1.01	07/21/10	NE	signed letter
_					08/11/10
013010-08A	Quality Control Testing Log	01 30 10-3.16	08/04/10	NE	email
	Preliminary Schedule of Shop				07/11/10
013010-09A	Drawing Submittals	01 30 10-1.01	07/01/10	MC	email
	Preliminary Schedule of Shop				07/15/10
013010-09B	Drawing Submittals	01 30 10-1.01	07/14/10	MC	email
040040 404	D	04 00 40 4 04	00/40/40		08/24/10
013010-10A	Preconstruction Video	01 30 10-1.01	08/19/10	NE	email
040040444	Daniel de Blan	04 00 40 4 04	00/00/40		10/01/10
013010-11A	Dewatering Plan	01 30 10-1.01	09/29/10	NE	email
015001 Field I	Engineering and Surveying				
					07/09/10
	·				email
				,	requesting
	Licensed Professional Land				verification
015001-01A	Surveyor	01 50 01-1.04	07/08/10	MC	of licensure
	Licensed Professional Land	•			07/15/10
015001-01B	Surveyor	01 50 01-1.04	07/15/10	NE	email
		•			08/05/10
·					email and
					discussed
:	Survey Certifying Locations and				over the
	Elevations are in Conformance			_	phone with
015001-02A	with Contract Documents	01 50 01-1.04	07/28/10	AR	JE
					09/03/10
					email and
					discussed
	Survey Certifying Locations and	<i>:</i>			at
045004 005	Elevations are in Conformance	04 50 04 4 04	00/00/40	۸	construction
015001-02B	with Contract Documents	01 50 01-1.04	08/30/10	AR	meeting
045004 000	Initial Company As healths	04 50 04 4 04	00/00/40	NIT.	09/21/10
015001-02C	Initial Survey As-builts	01 50 01-1.04	09/09/10	· NE	email

1 Status NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06 Log Updated: 01/14/11

Submittal		Specification	Date	<b>a.</b> . 1	Date
Number	Description	Reference	Received	Status'	Returned
		· · · · · · · · · · · · · · · · · · ·	<del></del>	II	
	-				10/03/10
015001-03A	Record Drawings (As-Builts) Part 1	01 50 01-1.04	10/01/10	NE	email
					10/08/10
015001-03B	Record Drawings (As-Builts) Part 2	01 50 01-1.04	10/06/10	NE	email
045004.000					10/08/10
015001-03C	Record Drawings (As-Builts) Part 3	01 50 01-1.04	10/08/10	NE	email
045004 000	December 19 (A - Dille) December 1	04 50 04 4 04	10/18/10	MC	10/18/10
015001-03D	Record Drawings (As-Builts) Part 4	01 50 01-1.04	10/22/10	NE	email
045004 005			10/00/10		10/22/10
015001-03E	Record Drawings (As-Builts) Part 5	01 50 01-1.04	10/22/10	NE	email
045004 005	December of the Bullion Bullion	04 50 04 4 04	10/05/10		10/25/10
015001-03F	Record Drawings (As-Builts) Part 6	01 50 01-1.04	10/25/10	NE	email
045004.000	December of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contr	04 50 04 4 04	40/00/40		11/11/10
015001-03G	Record Drawings (As-Builts) Part 7	01 50 01-1.04	10/29/10	MC	email
045004 0011	Record Drawings (As-Builts) Part 7	04 50 04 4 04	40/00/40	N.E	12/02/10
015001-03H	(resubmittal)	01 50 01-1.04	12/02/10	NE	email
015001-03	Record Drawings (As-Builts) Part 8	01 50 01-1.04	12/28/10	NE	12/30/10
015001-04A	Field Surveyor's Log signed and Sealed (Copies)	01 50 01-1.04			
015001-05A	Surveyor License	01 50 01-1.04	07/15/10	NE	07/15/10
015001-06A	Record Drawing (As-Builts) Partial LCRS Pipes	01 50 01-1.04	12/16/10	MC	12/17/10 email
015001-06B	Record Drawing (As-Builts) Partial LCRS Pipes	01 50 01-1.04	12/28/10	NE	12/30/10
015001-07A	Record Drawings (As-Builts) Geomembrane Limits	01 50 01-1.04	01/10/11		12.00/10
			1 0 11 10 11	L	
015005 Mobili	zation and Demobilization				
015005-01A	Required Insurance Certificates and Bonds	01 50 00-1.01	Prov	vided to C	County
	,	3. 00 30			
015030 Protec	tion of Existing Facilities				
015030-01A	Existing Utilities Locate Report	01 50 30-1.11	12/16/10	NE	12/30/10
016000 Materi	als and Equipment				
	Manufacturer's Instructions on			· · · ·	
	Product Delivery, Storage, and				
016000-01A	Handling	01 60 00-1.03	This is sul	bmitted w	ith products
	1				
025316 Leach	ate Collection, Detection Pump				

1 Status NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u>

Log Updated: 01/14/11

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
	Dooripation	1101010100	, icocivca	Otatus	rictarried
					08/18/10
					email (will
	Manufacturer Prepared Shop				be covered
025316-01A	Drawings	02 53 16-1.03	08/18/10	NE	in -03A)
					08/23/10
025316-02A	Operating Instructions	02 53 16-1.03	08/18/10	NE	email
005016 004	Equipment Warranty and	00 50 40 4 00			
025316-03A	Certification Form	02 53 16-1.03	<u> </u>		
025615 Geosy	nthetic Clay Liner				
					08/11/10
025615-01A	GCL Manufacturer's Qualifications	02 56 15-1.05	08/02/10	NE	email
005045 004		00.00.40.40.			08/06/10
025615-02A	Installer's Qualifications	02 56 15-1.05	08/03/10	NE	email
025615-03A	Physical Sample of GCL Used in Final Construction	00 56 45 4 05	10/06/10	NIC.	
023013-03A	Final Construction	02 56 15-1.05	10/06/10	NE	08/13/10
025615-04A	GCL Installation Plan	02 56 15-1.05	08/10/10	NE	email
- 020010 0471	Certificate of Subsurface	02.00 10-1.00	00/10/10	145	Gillali
025615-05A	Acceptability	02 56 15-1.05	01/10/11		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Warranties and Warranties				
025615-06A	Conditions	02 56 15-1.05			
					07/17/10
025615-07A	GCL Product Data Sheet	02 56 15-1.05	07/16/10	NE	email
	GCL Construction Quality				08/06/10
025615-08A	Assurance Manual	02 56 15-1.05	08/04/10	NE	email
005615 004	GCL Manufacturer's Installation	00 50 45 4 05	00/04/40	NE	08/11/10
025615-09A	Guide	02 56 15-1.05	08/04/10	NE	email 08/11/10
025615-10A	GCL Sample Warranties	02 56 15-1.05	08/10/10	NE	email
<u> </u>	GOL Gampie Warranties	02 00 10-1.00	00/10/10	INE	09/01/10
025615-11A	GCL Roll Certifications	02 56 15-1.05	08/30/10	NE	email
			1		
029041 Geosy	nthetic Rain Tarp	· · · · · · · · · · · · · · · · · · ·			
	Manufacturer's Tests Specs, Install				
029041-01A	Instructions, and Roll Dimensions	02 90 41-1.02	Submit	ted in 029	
000044 004	Manufacture to E. J. S. D.	00.00.44.4.05	00/00/15		09/01/10
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02	08/30/10	NE	email
020041.024	Googyathotic Poin Torn Loveys	02.00.41.4.00	07/10/10	NICE	07/17/10
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10	NE	email
029041-04A	Rain Tam Product Data Sheet	02 90 41-1 02	07/16/10	NE	07/17/10 email
U29U41-U4A	Rain Tarp Product Data Sheet	02 90 41-1.02	07/16/10	NE	email

¹ Status

NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name: Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u>

Log Updated: 01/14/11

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
			1.1.555.1154		
	Geosynthetic Rain Tarp Layout -	·			11/08/10
029041-05A	Revised	02 90 41-1.02	11/08/10	NE	email
0200 00/.	Manufacturer's Evaluation Reports	02 00 11 1.02	1 17 007 10		11/23/10
029041-06A	(3 additional rolls)	02 90 41-1.02	11/17/10	NE	email
0_00011		02 00 11 1102	1		- Oilian
160000 Electr	ical				
160000-01A	Field Testing Booklet	16 00 00-3.8			
310519 Geote	vtile				
010313 Geote	Manufacturer's Prequalifications,		1		<del></del>
	Tests, Specs, Install Instructions,				-
	Roll Dimensions and Approval				07/17/10
310519-01A	Form (Non-Woven Geotextile)	31 05 19-1.02	07/14/10	NE	email
					08/23/10
310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02	08/18/10	NE	email
		· · · · · · · · · · · · · · · · · · ·		MC	07/12/10
					email
	Product Data/Access Road Fabric		07/08/10		07/16/10
310519-03A	(Woven Geotextile)	31 05 19-1.02	07/15/10	NE	email
310520 Tripla	nar Geocomposite	,			
	Triplanar Manufacturer's				07/17/10
310520-01A	Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	email
	Triplanar Manufacturer's				08/13/10
310520-01B	Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	email
040500 004	Till Brown Brown	04.05.00.4.04			
310520-02A	Triplanar Prequalifications	31 05 20-1.04	Submit	ted in 310	
210520 024	Triplanar Transmissis site	04.05.00.4.04	07/14/10	N.F-	07/17/10
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	email ·
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	07/21/10 email
310320-047	Tripianai Hon Layout Drawings	31 03 20-1,04	07/13/10	INE	08/11/10
310520-05A	Triplanar Protection Method	31 05 20-1.04	08/04/10	NE	email
3100E0 00A	Triplanar Material Data and	01 00 20-1.04	00/04/10	145	07/17/10
310520-06A	Specifications	31 05 20-1.04	07/14/10	NE	email
<u> </u>	Manufacturer's Quality Assurance	2. C2 G0 110 T	0		07/17/10
310520-07A	(MQC) Program	31 05 20-1.04	07/14/10	NE	email
· · · · · · · · · · · · · · · · · · ·	Triplanar Manufacturer's			<u> </u>	07/17/10
310520-08A	Installation Instructions	31 05 20-1.04	07/14/10	NE	email
<del></del>	Manufacturer's Triplanar				08/13/10
310520-09A	Qualifications	31 05 20-1.04	08/12/10	NE	email

¹ Status NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name: Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u>

Log Updated: 01/14/11

Submittal Number	Description	Specification Reference	Date	01-1-1	Date
Hamber	Description	neierence	Received	Status ¹	Returned
			1	T	00/40/40
310520-10A	Triplanar Coanat Basin	21 05 00 1 04	00/10/10	A D	08/16/10
310320-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10	AR	email
310520-10B	Triplanar Geonet Resin	21.05.00.1.04	00/04/40	N.E.	09/01/10
310320-108	Triplanar Transmissivity Test	31 05 20-1.04	09/01/10	NE	email
310520-11A	Results	21.05.20.1.04	08/12/10	NIE	08/17/10
310320-11A	Triplanar MQC Production Dates	31 05 20-1.04	06/12/10	NE	email 08/17/20
310520-12A	and Test Results	31 05 20-1.04	08/12/10	NE	email
310020-12A	Tri-planar Production Dates and	31 03 20-1.04	00/12/10	INC	09/27/10
310520-13A	Tests Results (Batches 3 & 4)	31 05 20-1.04	09/22/10	NE	email
010020 107	1 Coto 1 Cours (Datories C & 4)	010020-1.04	03/22/10	ING	GIIIAII
310521 Biplan	ar Geocomposite			•	
	Biplanar Manufacturer's				08/20/10
310521-01A	Experience of 5,000,000 sf	31 05 21-1.04	08/18/10	NE	email
310521-02A	Biplanar Prequalifications	31 05 21-1.04	Submit	ted in 310	521-09A
					09/14/10
310521-03A	Biplanar Transmissivity	31 05 21-1.04	09/14/10	NE	email
					07/21/10
310521-04A	Biplanar Roll Layout Drawings	31 05 21-1.04	07/13/10	NE	email
					08/23/10
310521-05A	Biplanar Protection Method	31 05 21-1.04	08/18/10	NE	email
	Biplanar Material Data and				07/17/10
310521-06A	Specifications	31 05 21-1.04	07/14/10	NE	email
040504 074	Manufacturer's Quality Assurance				08/23/10
310521-07A	(MQC) Program	31 05 21-1.04	08/18/10	NE	email
040504 004	Biplanar Manufacturer's Installation	04.05.04.4.04	00/00/40		09/01/10
310521-08A	Instructions	31 05 21-1.04	08/30/10	NE	email
210521 004	Manufacturer's Biplanar Qualifications	04.05.04.4.04	00/14/10	N.17**	09/14/10
310521-09A	Qualifications	31 05 21-1.04	09/14/10	NE	email
310521-10A	Riplanar Goopet Regin	01 05 01 1 04	00/14/10	NIE*	09/14/10
310321-10A	Biplanar Geonet Resin Biplanar Transmissivity Test	31 05 21-1.04	09/14/10	NE	email
310521-11A	Results	31 05 21-1.04	08/18/10	NE	08/25/10 email
310321-11A	Biplanar MQC Production Dates	31 03 21-1.04	00/10/10	145	eman
310521-12A	and Test Results	31 05 21-1.04	Submit	ted in 310	521-124
010021-12A	Biplanar Manufacturer's Production	31 03 21-1.04	Subillit		09/13/10
310521-13A	Dates and Test Results	31 05 21-1.04	09/09/10	NE	email
5100E1 10/1	Dates and 100t 1 tooling	31 03 21-1.04	1 03/03/10	145	GIIIAII
312000 Excava	ation, Backfill, and Grading				
312000-01A	Borrow Source Qualification	31 20 00-1.04			

¹ Status

NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u>

Log Updated: 01/14/11

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
Humber	Description	neierence	neceiveu	Status	neturned
	QC Geotechnical Lab Data and		T	1	11/23/10
312000-02A	Results	31 20 00-1.04	11/17/10	NE	email
					- Oman
312000-03A	QC Consultant Qualifications	31 20 00-1.04	1		
312000-04A	CQC Consultant Final Report	31 20 00-1.04		<u> </u>	
312000-05A	Boord Drawings of Subboos	04 00 00 4 04	Contra		245004
312000-05A	Record Drawings of Subbase	31 20 00-1.04	Subi	mitted in (	ced in 2
					tals 321216-
312000-06A	Access Road Testing	31 20 00-1.04	08/02/10		1 321216-03A
		0.2000 1.07	33,32 13	o in and	1021210 00/1
312000-07A	OSHA Regulations		09/27/10	NE	
		···································			
313219 Geogr					
040040 044	Geogrid Manufacturer's				08/23/10
313219-01A	Qualifications	31 32 19-1.04	08/19/10	AR	email
	Geogrid Manufacturer's			AR	09/14/10
313219-01B	Qualifications	31 32 19-1.04	09/14/10	NE	email 01/06/11
0.0210018	Quamoutions	31 32 13-1.04	09/14/10	INC	07/23/10
313219-02A	Geogrid Installation Plan	31 32 19-1.04	07/22/10	NE	email
					08/02/10
313219-03A	Geogrid Warranties	31 32 19-1.04	07/22/10	NE	email
				AR	08/04/10
040040 044	Geogrid Resin Info and Quality	04 00 40 4 04	07/00/40		Refer to
313219-04A	Control Certificates Geogrid Manufacturer Material Info	31 32 19-1.04	07/22/10		313219-07A
	and Quality Control Certificates		07/22/10	AR	08/02/10 8/24/10
313219-05A	(Biaxial Geogrid)	31 32 19-1.04	8/24/10	NE NE	(see -07A)
3.02.0 00.1	Geogrid Loading, Unloading, and	J1 02 10-110-7	0.27110	146	07/19/10
313219-06A	Storage Recommendations	31 32 19-1.04	07/19/10	NE	email
	Geogrid Roll Certifications (Biaxial				08/25/10
313219-07A	Geogrid)	31 32 19-1.04	08/24/10	NE	email
313219-08A	Geogrid Record Drawings	31 32 19-1.04	N. N	ot necess	
040040 004	Geogrid Material Data (Biaxial	04 00 40 4 54	07/44/46	<b></b>	07/17/10
313219-09A	Geogrid)	31 32 19-1.04	07/14/10	NE	email
				RA	08/13/10
					Product not
	10XT Uniaxial Geogrid Leachate				used RR
313219-10A	Exposure		08/09/10		N/A

1 Status

NE - No Exceptions Taken AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u>

Log Updated: 01/14/11

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
Mailibei	Description	neierence	neceived	Status	neturneu
	T		T		00/40/40
040040 444	1,1,1,1,1,0,1,1,1	040040 4 04	004740		08/19/10
313219-11A	Uniaxial Geogrid	313219-1.04	08/17/10	NE	email
	Uniaxial (22XT) Roll Certifications	0400404.04	10/15/10		10/15/10
313219-12A	(15 Rolls)	313219-1.04	10/15/10	NE	email
316223 Cast-l	n-Place Concrete				:
	Cast-In-Place Concrete Product			Res	ubmittal
316223-01A	Data	31 62 23-1.05	11/18/10	316	223-01B
	Cast-In-Place Concrete Product		12/03/10		
316223-01B	Data	31 62 23-1.05	12/28/10	MC	12/30/10
	Cast-In-Place Concrete Product				
316223-01C	Data	31 62 23-1.05	01/12/11		
004040 4	dh Barrian and Omerkad On and			•	· ·
321216 Aspna	alt Paving and Crushed Concrete		1	!	00/44/40
004040 044	Managal Tanks Day and	00 10 10 1 04	00/04/40		08/11/10
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE_	email
321216-02A	Certification of Limerock Source	32 12 16-1.04	01/13/11		
	Composition Analysis for LBR Lab				08/11/10
321216-03A	Report	32 12 16-1.04	08/04/11	NE	email
200000 Coodi	an and Sadding				
329000 Seedii	ng and Sodding		<del></del>	· · · · · · · · · · · · · · · · · · ·	
329000-01A	Sod Species and Percentages of Purity	32 90 00-1.02			
		······································			
330520 HDPE	Geomembrane Liner				
	HDPE Manufacturer's				08/11/10
330520-01A	Qualifications	33 05 20-1.04	08/04/10	NE	email
	l				
330520-02A	HDPE Fabricator Qualifications	33 05 20-1.04	N/A	no Fabri	
				:	08/13/10
330520-03A	Installer Qualifications	33 05 20-1.04	08/11/10	NE	email
	1 A - A - 2 - 1 1 A 4	00.05.00	2011.115		08/11/10
330520-04A	Material Warranty	33 05 20-1.04	08/11/10	AR	email
000500 045	A de-la de-1 NA da mara de la	00.05.00.4.04	00/4 4/4 5		09/14/10
330520-04B	Material Warranty	33 05 20-1.04	09/14/10	NE	email
000500 05	Geomembrane Resin Info and	00.05.00.4.04	00/07/46	\ ,	10/01/10
330520-05A	Quality Control Certificates	33 05 20-1.04	09/27/10	NE	email
000500 005	Continuation of Material QC	00 05 00 4 04	00/00/45		10/01/10
330520-06B	Certificates	33 05 20-1.04	09/29/10	NE	email
000500 055	Continuation of Resin QC	00.05.00.4.04	00/00/46		10/01/10
330520-05B	Certificate	33 05 20-1.04	09/29/10	NE	email

1 Status

NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 01/14/11

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
Number	Description	Neielelice	neceived	Status	Returned
F	Geomembrane Manufacturer		1	I	
	Material Info and Quality Control				10/01/10
330520-06A	Certificates	33 05 20-1.04	09/27/10	NE	email
300020-00A	Certificates	33 03 20-1.04	09/2//10	IVC	08/16/10
330520-07A	Extrudate Rod Resin Information	33 05 20-1.04	08/12/10	NE	email
500020 0771	HDPE Recommended Loading.	00 00 20 1.04	00/12/10	114	08/11/10
330520-08A	Unloading, and Hauling Equipment	33 05 20-1.04	08/04/10	NE	email
	List Indicating Correlation Between	00 00 20 1.04	00/0 # 10		Oman
	QC Certificates and Individual				10/01/10
330520-09A	Rolls	33 05 20-1.04	09/27/10	NE	email
					10/01/10
330520-09B	Continuation of List Correlating QC	33 05 20-1.04	09/29/10	NE	email
	3		1		ner 330520-
330520-10A	HDPE Installation Plan	33 05 20-1.04		submitta	
	HDPE Resin Quality Control		Submitte	d in 3305	20-05A and
330520-11A	Certificate	33 05 20-1.04		330520-0	5B
	HDPE Manufacturer's Quality		Submitte	d in 33052	20-06A and
330520-12A	Control Roll Certificate	33 05 20-1.04		330520-0	6B
	Manufacturer and Installer				
330520-13A	Warranties	33 05 20-1.04			
					07/21/10
330520-14A	HDPE Panel Layout As-Builts	33 05 20-1.04	07/13/10	NE	email
330520-15A	Subgrade Acceptance Certification	33 05 20-1.04	01/13/11		
	HDPE Geomembrane Product				07/16/10
330520-16A	Data Sheet	33 05 20-1.04	07/16/10	NE	email
000500 474	Geomembrane Record Drawings -				
330520-17A	Primary Layer	33 05 20-1.04	01/13/11		
000500 404	Geomembrane Record Drawings -		044044		
330520-18A	Secondary Layer	33 05 20-1.04	01/13/11		
335110 Piping	System				
	Piping Material Suppliers				
	Certifications and				
335110-01A	Recommendations	33 51 10-1.02	<u>                                       </u>		
	Manufacturer Certification of Resin				
335110-02A	Spec Compliance	33 51 10-1.02			
	Manufacturer Stress Regression				08/11/10
335110-03A	testing	33 51 10-1.02	08/02/10	AR	email
	Manufacturer Stress Regression				08/17/10
335110-03B	testing	33 51 10-1.02	08/13/10	NE	email
	Elbows and Fittings Details and		08/02/10	AR	08/13/10
335110-04A	Specs	33 51 10-1.02	08/20/10	NE	08/24/10

1 Status

NE - No Exceptions Taken

AR - Amend and Resubmit

MC - Make Corrections Noted

RR - Rejected, Resubmit

Project Name:

Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: <u>09207049.06</u>

Log Updated: 01/14/11

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
	Flow Meter Manufacturer and				-
335110-05A	Model Information	33 51 10-1.02			·
335110-06A	Video Inspection Tape and Report	33 51 10-1.02			
335110-07A	Leak Testing Report	33 51 10-1.02			
335110-08A	Certification of Piping Completion	33 51 10-1.02			
335110-09A	Valves and Accessories	33 51 10-1.02	10/18/10	MC	
335110-09B	Valves and Accessories	33 51 10-1.02	11/11/10	NE	11/16/10 email

#### SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

December 9, 2010, 10:00 A.M.

#### PROGRESS MEETING NO. 21 MINUTES

The following are the progress meeting minutes for Meeting No. 21 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 21. The date is December 9, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in.

#### **List of Attendees**

a) Citrus County

Casey Stephens 352-302-6980 <u>casey.stephens@bocc.citrus.fl.us</u>

b) SCS Engineers

Dominique Bramlett 813-621-0080 dbramlett@scsengineers.com

c) Comanco Environmental Corporation

Bill Newman813-434-5435bnewman@comanco.comNick Bridges813-323-3651nbridges@comanco.com

#### 1) Progress Meeting #20

a) Meeting Minutes

No comments.

b) Unfinished business

#### 2) Project Schedule

Comanco indicated that a new schedule will be provided prior to December 15, 2010.

- a) Work Planned
  - Phase 3 Earthwork and other
    - i) Starting on box culvert
    - ii) Continuing forcemain work
    - iii) Cutting out the roadway
    - iv) Beginning pumps installation
  - Managing the stormwater running into cell 3
    - i) Activating pumps as needed
  - Phase 3 Geosynthetics Complete
  - Subcontractors and Delivery on site
    - i) Coastal Concrete continuing work.
    - ii) Gaudette Electric onsite to discuss electrical for pumps.
- b) Equipment on Site

Two dozers, one excavator, one loader, five men onsite, one trailer, and one miniexcavator.

c) Working Hours

7 A.M. - 5:30 P.M.

- d) Safety
- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status

December 9, 2010 Progress Meeting No. 21 Minutes Page 3

- a) Shop Drawings
- b) Submittals
- c) RFI's
- 6) Contractor Issues
- 7) County Issues

None.

8) Consultant's Issues

None.

- 9) Site Safety and Housekeeping
  - Site Safety documentation will be submitted to SCS and Citrus County.
- 10) Other Issues
- 11) Weekly Progress Meeting Schedule and Time
  - Weekly Progress Meeting No. 22 will be at the office trailer Thursday, December 16, 2010, 10:00 a.m.

## Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 21

#### December 9, 2010, 10:00 A.M.

#### SIGN IN SHEET

<u>NAME</u>	<b>COMPANY</b>	CELL PHONE	<b>EMAIL</b>
Compique Brankett	SCS Eymoers	813-417-7597	abrambetto scengineers. um
Bill HELMAN	<u>Cempne</u>	8/3-434-5435	prouver & comme com
NICK BRIDGES	COMANCO	813-323-3651	nbridges @ comonco. com
Casey Stephens	Citrus Co	352 - 302 - 6890	casey stephense bocc citrus flus
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#### SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

December 16, 2010, 10:00 A.M.

#### **PROGRESS MEETING NO. 22 MINUTES**

The following are the progress meeting minutes for Meeting No. 22 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 22. The date is December 16, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in.

#### List of Attendees

a) Citrus County

Casey Stephens 352-302-6980 <u>casey.stephens@bocc.citrus.fl.us</u>
Richard Neptune <u>Richard.neptune@bocc.citrus.fl.us</u>

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Bill Newman 813-434-5435 <u>bnewman@comanco.com</u>

#### 1) Progress Meeting #21

a) Meeting Minutes

No comments.

b) Unfinished business

#### 2) Project Schedule

Comanco indicated that a new schedule will be provided prior to December 15, 2010.

- a) Work Planned
  - Phase 3 Earthwork and other
    - i) Pouring footers for the endwalls and culvert crossing
    - ii) Continuing forcemain work
    - iii) Beginning pumps installation
  - Managing the stormwater running into cell 3
    - i) Activating pumps as needed
  - Phase 3 Geosynthetics Complete
  - Subcontractors and Delivery on site
    - i) Coastal Concrete continuing work.
    - ii) Gaudette Electric onsite to discuss electrical for pumps.

#### b) Equipment on Site

Two dozers, one excavator, one loader, five men onsite, one trailer, and one miniexcavator.

c) Working Hours

7 A.M. - 5:30 P.M.

d) Safety

#### 3) Field Orders, Change Orders

Change order will be issued addressing the additional rain tarp material previously approved by the County onsite inspector, Richard Neptune, items sold to the County (rope and rock), and 100 linear feet of power line that was not shown on the drawings.

#### 4) Construction Conflicts

December 16, 2010 Progress Meeting No. 22 Minutes Page 3

#### 5) Contractor's Submittals Status

- a) Shop Drawings
- b) Submittals
- c) RFI's -- Comanco will submit an RFI on the flow meter.
- 6) Contractor Issues
- 7) County Issues

None.

8) Consultant's Issues

None.

#### 9) Site Safety and Housekeeping

- Site Safety documentation will be submitted to SCS and Citrus County.
- 10) Other Issues

#### 11) Weekly Progress Meeting Schedule and Time

• Weekly Progress Meeting No. 23 will be at the office trailer Tuesday, December 28, 2010, 10:00 a.m.

### Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 22

#### December 16, 2010, 10:00 A.M.

#### SIGN IN SHEET

<u>NAME</u>	COMPANY	CELL PHONE	<b>EMAIL</b>
Dominique Brawlett	SCS Enguess	813-417-7597	dbramlettasssengues.un
Bill Rewman	Commu	8/3-554-5435	brewman & Comme com
Richard Neptune		352-	sichard . reptune @ bore citeus fl. 4
Cusey Stephens	CHrus Co	352-302-6980	cuserstohensebocc.c.trus.fl.us
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		West	
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#### SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

December 28, 2010, 10:00 A.M.

#### **PROGRESS MEETING NO. 23 MINUTES**

The following are the progress meeting minutes for Meeting No. 23 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 23. The date is December 28, 2010 and the time is approximately 10:00 a.m. A sign in sheet is being passed around, everyone please sign in.

#### List of Attendees

a) Citrus County

Casey Stephens	352-302-6980	casey.stephens@bocc.citrus.fl.us
Carmen Bruno	352-527-7670	carmen.bruno@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Bill Newman	813-434-5435	bnewman@comanco.com
Troy Watral	813-714-0980	twatral@comanco.com

#### 1) Progress Meeting #22

a) Meeting Minutes

No comments.

#### b) Unfinished business

- Box culvert Need to provide originals signed and sealed (at a minimum 5 copies).
- Revised survey Last as-built of 8" header appeared to not meet the minimum requirements for stone. SCS requested a revised survey showing the required minimum depths are being met.

#### 2) Project Schedule

- CQA personnel Richard Neptune indicated that he will be off on Wed. December 29, 2010. Kurt Peterson with SCS will be onsite providing full-time observation on December 29th.
- No work will be performed on December 30th and December 31st, work will resume on January 3, 2011.
- Office trailer will be removed by January 3, 2011.

#### a) Work Planned

- Phase 3 Earthwork and other
  - i) Continuing box culvert effort.
  - ii) Continuing 24" RCP work.
- Managing the stormwater running into cell 3
  - i) Activating pumps as needed
- Phase 3 Geosynthetics Complete
- Subcontractors and Delivery on site
  - i) Coastal Concrete continuing work.
  - ii) Gaudette Electric onsite to remove power at office trailer and inspect tie-in for leachate riser pumps.
  - iii) Universal

#### b) Equipment on Site

December 28, 2010 Progress Meeting No. 23 Minutes Page 3

> Two dozers, one excavator, one loader, five men onsite, one trailer, and one miniexcavator.

- c) Working Hours
  - 7 A.M. 5:30 P.M. No work is anticipated on Saturday unless necessary.
- d) Safety
- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status
  - a) Shop Drawings
  - b) Submittals
  - c) RFI's

#### 6) Contractor Issues

Drawing on page 4 shows 2-24" reinforced concrete pipes (RCP) in the ditch at the northwest corner of Phase 3. In RFI No. 3 Comanco has requested clarification for the height clearance, and spacing between the RCP. In response to RFI No. 3 the elevations and spacing have been clarified and/or adjusted. Comanco indicated that if they were to carry it all the way out as shown on the revised RFI drawing that they will start to fill into the cell perimeters. It was noted that this access road will not be used for some time. Therefore, Comanco proposes to not fill in the triangle area and will slope the future road away from the cell and direct the stormwater to a point which will discharge into the perimeter swale. Comanco indicated that they will place rip rap at the point where the stormwater will discharge into the perimeter swale.

Comanco recommends priming the area with either limerock or millings since the area will not be driven on for some time and the prime coat will provide some resilience. It is recommended that millings should be placed on top and on the road and all stormwater should flow into the perimeter ditch.

December 28, 2010 Progress Meeting No. 23 Minutes Page 4

For safety measures, jersey barriers or the existing telephone pole/concrete pole will be placed across the road until the road is ready for use.

#### 7) County Issues

None.

#### 8) Consultant's Issues

None.

#### 9) Site Safety and Housekeeping

• Site Safety documentation will be submitted to SCS and Citrus County.

#### 10) Other Issues

### 11) Weekly Progress Meeting Schedule and Time

- The next scheduled meeting will be January 6, 2011.
- Final walk through on January 13, 2011.

### Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

# WEEKLY CONSTRUCTION PROGRESS MEETING NO. 23

December 28, 2010, 10:00 A.M.

### SIGN IN SHEET

<u>NAME</u>	COMPANY	CELL PHONE	<b>EMAIL</b>
Bill Newman	Commod	813-434-5435	brewman @ Comme com
CARMEN BROWD	Comanco CITRUS Co.	813 714-0980 362-527-7670	LARMEN, BRUND @ Bocc. CITEUS.FL. US.
Dominique Braulett	SCS Eyneers	813-417-7597	dbrumbett @ es eynears. in
Casey Stephens	Citrus Co	352-302.6890	casey stephense bocc-citros. fl. us
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#### SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

January 6, 2011, 10:00 A.M.

#### **PROGRESS MEETING NO. 24 MINUTES**

The following are the progress meeting minutes for Meeting No. 24 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 24. The date is January 6, 2011 and the time is approximately 11:00 a.m. A sign in sheet is being passed around, everyone please sign in.

#### **List of Attendees**

a) Citrus County

Casey Stephens 352-302-6980 <u>casey.stephens@bocc.citrus.fl.us</u>

b) SCS Engineers

Dominique Bramlett 813-621-0080 <u>dbramlett@scsengineers.com</u>

c) Comanco Environmental Corporation

Bill Newman 813-434-5435 <u>bnewman@comanco.com</u>

#### 1) Progress Meeting #23

a) Meeting Minutes

No comments.

b) Unfinished business

January 6, 2011 Progress Meeting No. 24 Minutes Page 2

- All surveys need to be provided as quickly as possible.
- Outstanding submittals will be reviewed with Nick Bridges.

#### 2) Project Schedule

- Comanco will be working this Saturday. County CQA personnel with be onsite to observe construction activities.
- Final walk-through is scheduled for Thursday January 13, 2011.
- Asphalt and paving will be completed prior to January 13th.
- Video inspection (jet clean) onsite today.
- Installation of MW-20 and MW-21 Monday-Wednesday next week. SCS will be onsite to observe construction activities.

#### a) Work Planned

- Phase 3 Earthwork and other
  - i) Completing final grading on the west side.
  - ii) Completing pumps installation and start-up.
  - iii) Finishing and testing the forcemain piping.
  - iv) Completing sod on the west side.
- Managing the stormwater running into cell 3
  - i) Activating pumps as needed
- Phase 3 Geosynthetics Complete
- Subcontractors and Delivery on site
  - i) Gaudette electric onsite for electrical work associated with pumps.
  - ii) North Lake Sod installing sod.
  - iii) Sligo Systems performing start-up on pumps and controls.
  - iv) Berglund finishing subgrade and piping surveying.

#### b) Equipment on Site

One excavator, one dozer, one loader, and five men onsite.

January 6, 2011 Progress Meeting No. 24 Minutes Page 3

c) Working Hours

7 A.M. - 5:30 P.M. Working this Saturday.

- d) Safety
- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status
  - a) Shop Drawings
  - b) Submittals
  - c) RFI's
- 6) Contractor Issues
- 7) County Issues

None.

8) Consultant's Issues

None.

- 9) Site Safety and Housekeeping
  - Site Safety documentation will be submitted to SCS and Citrus County.
- 10) Other Issues
- 11) Weekly Progress Meeting Schedule and Time
  - Final walk through on January 13, 2011.

### Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

## WEEKLY CONSTRUCTION PROGRESS MEETING NO. 24

January 6, 2011, 10:00 A.M.

#### SIGN IN SHEET

<u>NAME</u>	<b>COMPANY</b>	CELL PHONE	EMAIL
Dominique frament Casey Stephens Bul Neuman	Citrus Co.	813-417-7547 352-302-6980 813-434-5435	dbrambett @ scs enquees. um. casey.slephonse bocc.copros.fl.us brewman @ comme com
		<u> </u>	· · · · · · · · · · · · · · · · · · ·

#### SCS ENGINEERS

# CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CITRUS COUNTY PROJECT NUMBER 040-010 ITB WEEKLY CONSTRUCTION PROGRESS MEETING FILE NO. 09207049.06

January 13, 2011, 10:00 A.M.

#### **PROGRESS MEETING NO. 25 MINUTES**

The following are the progress meeting minutes for Meeting No. 25 for the above-referenced project. The meeting minutes are SCS Engineers' (SCS) understanding of highlighted subjects discussed at the meeting. Should you require any additions or changes please notify SCS. If there is no response before the next scheduled meeting, the following minutes will be considered a permanent record.

Dominique Bramlett (SCS) opened the meeting stating: This is the Citrus County Central Landfill Phase 3 Expansion Project Progress Meeting No. 25. The date is January 13, 2011 and the time is approximately 11:00 a.m. A sign in sheet is being passed around, everyone please sign in.

#### **List of Attendees**

a) Citrus County

Casey Stephens 352-302-6980 casey.stephens@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett 813-621-0080 dbramlett@scsengineers.com

c) Comanco Environmental Corporation

Bill Newman813-434-5435bnewman@comanco.comTroy Watral813-714-0980twatral@comanco.com

#### 1) Progress Meeting #24

a) Meeting Minutes

No comments.

b) Unfinished business

- All surveys need to be provided as quickly as possible.
- Outstanding submittals will be reviewed with Nick Bridges.

#### 2) Project Schedule

- No work is projected for Saturday January 15, 2011. Will complete work at 12:00 on Friday January 14, 2011.
- Sod and asphalt are complete.
- Concrete effort will be completed this week.
- Sligo (pump manufacturer) will be onsite Monday January 17, 2011 to synchronize pumps and controls.
- Electrical work will be completed by Friday January 14, 2011.
- Final walk through is scheduled for Tuesday January 18, 2011 at 10:00 AM.
- 3) Field Orders, Change Orders
- 4) Construction Conflicts
- 5) Contractor's Submittals Status
  - a) Shop Drawings
  - b) Submittals
  - c) RFI's
- 6) Contractor Issues
- 7) County Issues

None.

8) Consultant's Issues

January 13, 2011 Progress Meeting No. 25 Minutes Page 3

None.

- 9) Site Safety and Housekeeping
  - Site Safety documentation will be submitted to SCS and Citrus County.
- 10) Other Issues
- 11) Weekly Progress Meeting Schedule and Time
  - Final walk through on January 18, 2011 at 10:00 AM.

## Citrus County Central Landfill Phase 3 Expansion Project County Project Number 040-010

## **WEEKLY CONSTRUCTION PROGRESS MEETING NO. 25**

#### January 13, 2011, 10:00 A.M.

#### SIGN IN SHEET

NAME	<b>COMPANY</b>	CELL PHONE	<b>EMAIL</b>
Dominique Bramlet	Scs typess	813-417-7597	dbramiette screngineers.com
Troy Watral	Comanco	813 714 -0980	twattele comance com
Bill Newman	Comme	813-434-5435	brewnon @ commonce, com
Casey Stephens	Citrus Co	352 · 302 · 6980	casey. stephense back. citrus fl. us
		-	

#### ATTACHMENT C

CONSTRUCTION PHOTOGRAPHS
DURING REPORTING PERIOD

Citrus County Central Landfill Phase 3 Expansion Project Photos – December 15, 2010 to December 31, 2010 ITB 040-10

File Name	Date	Description
1	12-20-10	Southwest Slope Tie-in to Phase 2 Cell
2	12-20-10	Rain Tarp in Place on East Slope
3	12-20-10	Entire Cell facing East
4	12-20-10	Staking for Box Culvert Concrete
5	12-20-10	First Concrete Pour at Leachate Manifold Area
6	12-20-10	Pouring Footings on End Walls and Box Culvert
7	12-29-10	Setting Forms for Headwall
8	12-29-10	Completed Headwall for 24" RCP Culvert Area
9	12-29-10	Forms in Place for Box Culvert and Headwalls
10	12-29-10	Excavation for New Temporary Access Road
11	12-29-10	New Temporary Access Road Tie-In
12	12-29-10	Excavating for 24" RCP Culverts

Citrus County Central Landfill Phase 3 Expansion Project Photos – December 15, 2010 to December 31, 2010 ITB 040-10

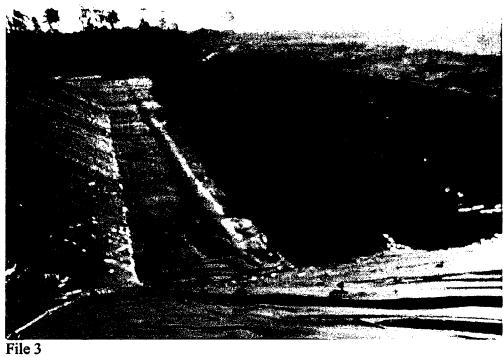


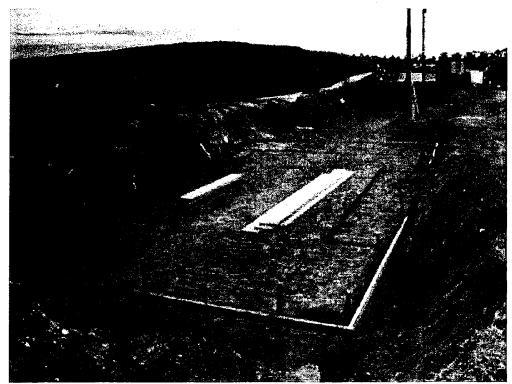
File 1



File 2

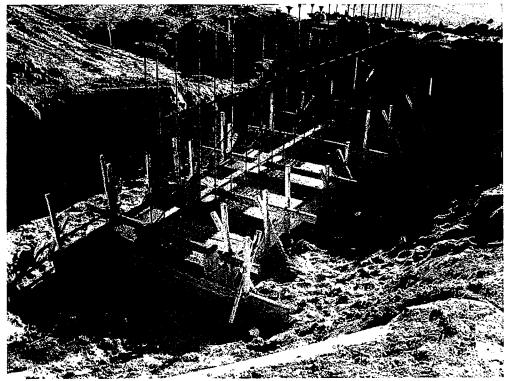
Citrus County Central Landfill Phase 3 Expansion Project Photos – December 15, 2010 to December 31, 2010 ITB 040-10



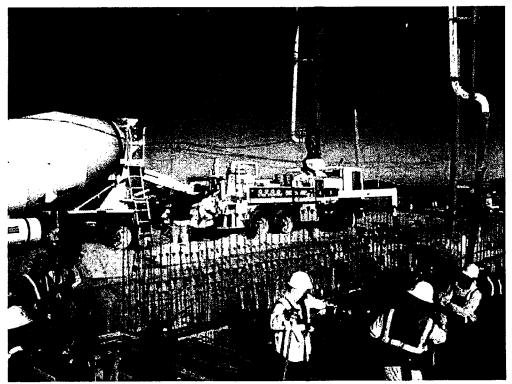


File 4

Citrus County Central Landfill Phase 3 Expansion Project Photos – December 15, 2010 to December 31, 2010 ITB 040-10

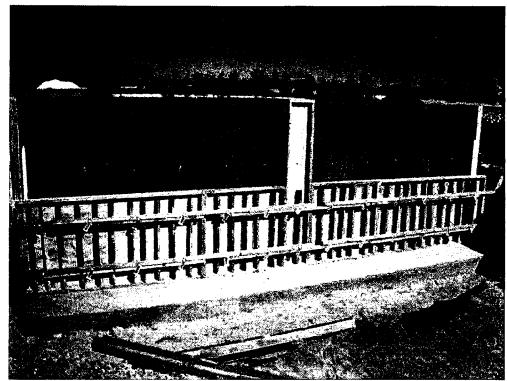


File 5

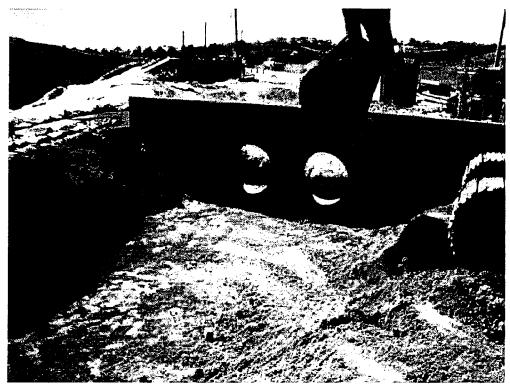


File 6

Citrus County Central Landfill Phase 3 Expansion Project Photos – December 15, 2010 to December 31, 2010 ITB 040-10

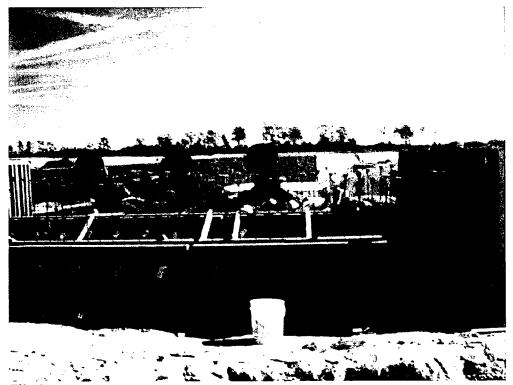


File 7



File 8

Citrus County Central Landfill Phase 3 Expansion Project Photos – December 15, 2010 to December 31, 2010 ITB 040-10



File 9



File 10

Citrus County Central Landfill Phase 3 Expansion Project Photos – December 15, 2010 to December 31, 2010 ITB 040-10

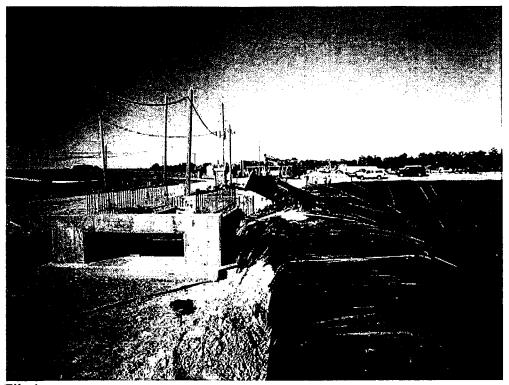


File 11



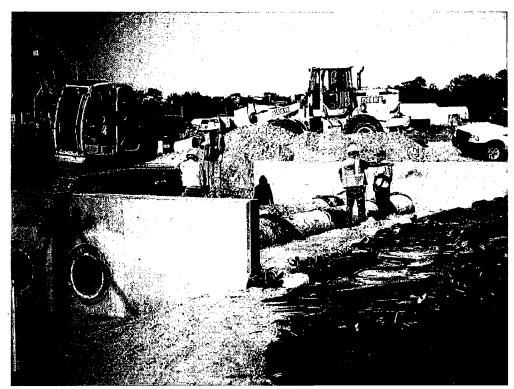
File 12

File Name	Date	Description
1	1-3-11	Finishing Box Culvert at Leachate Manifold Area.
2	1-3-11	Excavating Out 24" RCP Area for Access Road.
3	1-3-11	Completed RCP Pipe and Headwalls.
4	1-3-11	Completed South Face of Cell.
5	1-6-11	Forming Top of Box Culvert.
6	1-6-11	Top of Box Culvert after Pour.
7	1-6-11	Jet Cleaning and Video Inspection of Collection and Detection Pipes.
8	1-6-11	Completed Box Culvert and Concrete.
9	1-11-11	Electrician Working on Control Panel & Motor Disconnects.
10	1-11-11	Forming Concrete Slab for Air Release Valve in Forcemain.
11	1-11-11	Leachate Manifold Area with J-Boxes.
12	1-7-11	Central Landfill Facing West.



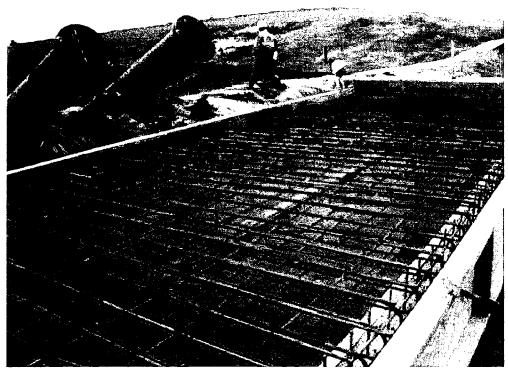
File 1



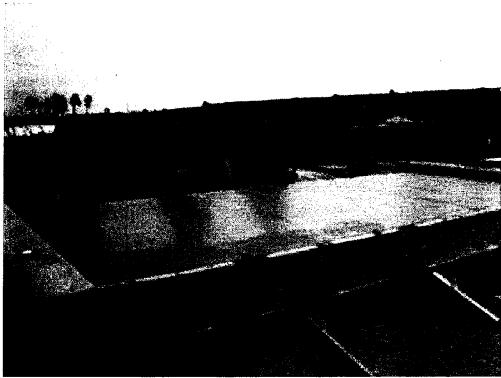


File 3

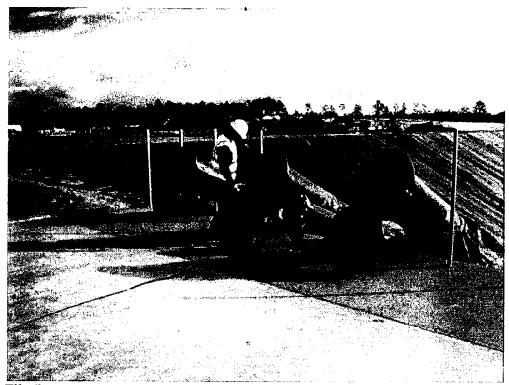




File 5



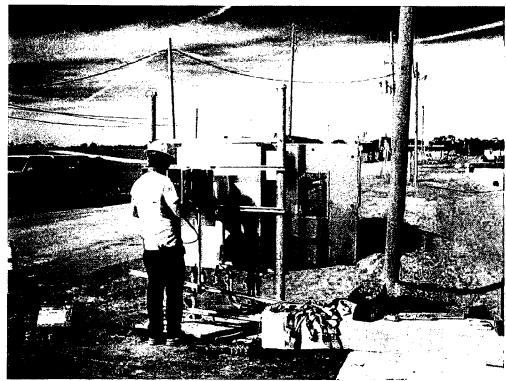
File 6



File 7



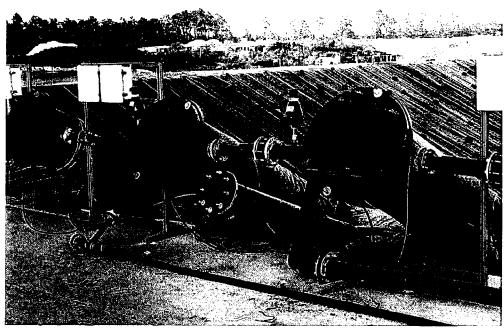
File 8



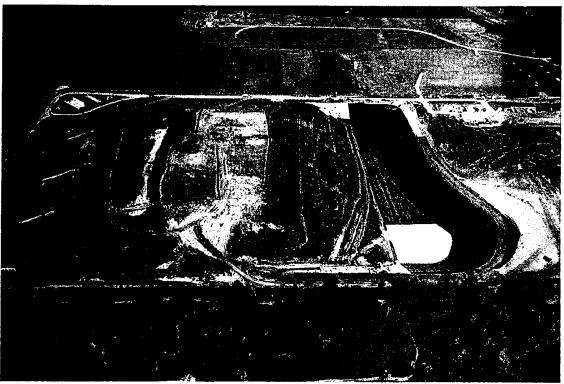
File 9



File 10



File 11



File 12

#### SECTION 4 PRELIMINARY SITEWORK

#### 4.1 PRECONSTRUCTION SURVEY

In accordance with the project technical specifications, a copy of the preconstruction topographic survey performed by Berglund Construction Services, LLC (Berglund) is included in Attachment 2-1.

#### 4.2 ACCESS ROAD

The work consisted of building a paved access road with a 3 foot shoulder on the south of the access road and a ditch on the north side of the access road. The ditch was lined with a 60 mil HDPE liner. The preparation of the road was compacted and stabilized to achieve 95 percent of maximum dry density as determined by the Standard Proctor ASTM D 698.

The in-place density tests performed by PSI for the subbase is provided in the report prepared by PSI "Construction Material Testing Reports" provided in Attachment 4-2. The in-place density tests performed by Universal for the subbase is provided in the report prepared by Universal is provided in Attached 4-3.

The plans called for a woven geotextile to be placed on top of the compacted existing soil for stabilization. Webtec, Inc. the woven geotextile manufacturer performed testing on the material to verify compliance with the contract specifications prior to approval by SCS. Webtec, Inc. performed manufacturer's quality control (MQC) tests on the woven geotextile prior to delivery. The MQC tests were conducted in accordance with the manufacturer's quality control program. The quality control certificates, which contain the recorded results for each roll of woven geotextile tests, are included in Attachment 4-4.

Table 1 presents results of the MQC testing for the woven geotextile (M440-180) compared with the project specifications. The tests indicate that the woven geotextile met or exceeded the project specifications.

Table 1 Comparison Of Woven Geotextile Properties

Parameter	Specification	Range of MQC Test Results ¹
Apparent Opening Size	No. 40 sieve	30
Grab Tensile (lb)	200	500 - 547
Trapezoidal Tear Strength (lb)	70	252 - 574
Puncture Strength (lb)	115	190 - 200
Burst Strength (psi)	300	1,350
Wide Width Tensile Strength (lbs/in)	110	611- 650

#### Notes:

1 Range of values.

The woven geotextile was visually inspected by the CQA Representative as it was placed. Roll numbers were verified as conforming to rolls tested by Webtec, Inc. under Manufacturer's Quality Control. The results of the conformance testing for the woven geotextile are presented in Table 2 and laboratory results are included in Attachment 4-5. The conformance tests were conducted by TRI Environmental, Inc. on material representative of the woven geotextile used in this project. The test results further verify that the woven geotextile met the project specifications

Parameter	Specification	Average Range of Test Results
Apparent Opening Size	No. 40 sieve	50
Grab Tensile (lb)	200	707
Trapezoidal Tear Strength (lb)	70	295
Puncture Strength (lb)	115	308
Wide Width Tensile Strength (lbs/in)	110	456

Table 2 Comparison Of Woven Geotextile Properties

#### 4.3 PREPARATION OF PHASE 3 CELL

After removal of unsuitable materials and site grading activities, and prior to installation of the biaxial geogrid, the subbase was constructed. Existing and subbase/subgrade materials from onsite were used to achieve the grades as shown on the construction drawings. Suitable subbase material underneath the biaxial geogrid layer for the Phase 3 Expansion included poorly graded sand (SP), poorly graded sand with silt and gravel (SP-SM), clayey sand (SC), and poorly graded clayey sand (SP-SC) as classified by the Unified Soil Classification System. Suitable soil materials under the Phase 3 construction side slopes were natural, in-place materials or placed and recompacted material. The recompacted material was placed in 1 foot thick lifts, compacted and tested as described in Table 31 20 00-1 of the Technical Specification Section 31 20 00. The recompacted material consisted of poorly graded sand (SP), and silty-clayey sand (SM-SC) as classified by the Unified Soil Classification System. The suitable soil materials were not excessively wet or dry and were required to achieve 95 percent of maximum dry density as determined by the Standard Proctor ASTM D 698. The subbase was installed by COMANCO and compacted to the grades as shown on the construction drawings. The surface of the installed subbase was free of sticks, roots, organic matter, and stones larger than 1-inch in any dimension.

PSI (CQA) and Universal (CQC) conducted in-place field density tests of the Phase 3 Expansion cell. The soil CQA testing frequencies compared to the soil CQC testing frequencies for the final subbase were doubled for the first five acres of liner system construction (i.e., 4 per acre per lift). The in-place density tests performed by PSI for the subbase is provided in the report prepared by PSI "Construction Material Testing Reports" provided in Attachment 4-2. The in-place density tests performed by Universal for the subbase is provided in the report prepared by Universal is provided in Attached 4-3.

#### 4.4 SUBBASE

Prior to deploying the geogrid, SCS CQA representative and the liner installer (COMANCO) visually inspected the subbase to ensure it was smooth and free of rocks, sharp stones, sticks, roots, sharp objects, and debris. A Certificate of Subbase Acceptance form signed by the SCS CQA representative and COMANCO describing the area on which geogrid was to be deployed is included in Attachment 4-1 of this section.

#### 4.5 SUBBASE SURVEY

In accordance with the technical specifications, Berglund completed a topographic survey of the accepted subbase prior to the installation of the geocomposite. The Berglund as-built subbase topographic survey is contained in Attachment 2-3.

#### Attachment 4-1

Subbase Surface Acceptance Forms

Installer: Address:	_C _43 PL	COMANCO 4301 STERLING COMMERCE DA. PLANT CITY, FL. 33566			Project name: Project location:	Central Landfill Phase 3 Expansion Project		
			· · · · · · · · · · · · · · · · · · ·		Owner:	Citrus County		
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SCS Engineers

Installer: Address:    Compact   Project name:   Expansion Project	Installer:	COMON	'c : 0	]	Project name:	Central Lands Expansion Pro	
Owner: Citrus County BOCC  I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF		4301 5	TERLING (	COMMUNEO DE	Project location:	1	,
Owner: Citrus County BOCC  I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF		PLANT C	ity FL 3	3566	•		
Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the subgrade surface considers that at the time the geomembrane is placed, the structure of the underlying soil surface, which is the responsibility of others, meets or exceeds the project specifications.  Acceptance of the subgrade surface considers that at the time the geomembrane is placed, the structure of the underlying soil surface, which is the responsibility of others, meets or exceeds the project specifications.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.  Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations.						Cia Cata	POCC
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SCS Engineers

Installer: COMONCO Address: 4301 STERLINF COMMERCY PLANT CITY, FL 33566				Project name: Project location:	Central Landfill Phase 3 Expansion Project			
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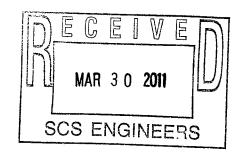
Attachment 4-2

PSI Soil Testing



March 9, 2011

SCS Engineers 4041 Park Oaks Blvd., Suite 100 Tampa, Florida 33610



Attention:

Ms. Dominique Bramlett

Re:

**Construction Material Testing Reports** 

Citrus County Ph 3 Expansion

Citrus County, Florida PSI Project No. 0390309

Dear Ms. Bramlett:

As requested, **Professional Service Industries, Inc. (PSI)** has performed on-call testing and inspection services for the above referenced project. The following tests have been performed:

- Field density testing
- Proctor and LBR soil testing
- Concrete compressive strength testing
- Permeability Testing

The results of our inspection services were presented in reports previously submitted. The field and laboratory testing was performed in accordance with the project specifications. The results revealed that the areas observed were in general accordance with the project plans, specifications and approved structural changes, if any.

Should you have any questions, please do not hesitate to contact our office.

Sincerely.

Professional Service Industries, Inc.

Jame<del>s Ken</del>ney Branch Manager

Senior Vice President Fla. License No. 51869

cc: File

Reports may not be reproduced, except in full, without permission by Professional Service Industries, Inc. (Fla. Engineering Business No. 3684).



Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: FDR:0390309-1

Issue No: 1

# Field Density Report

Client: **SCS ENGINEERS** 

CC: DOMINIQUE BRAMLETT 4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 8/2/2010

**Testing Details** 

Tested By:

Robert Byrns

**Field Methods:** 

**ASTM D 6938** 

Lab Methods:

ASTM D 1557 - 07

**Date Tested:** 

7/22/2010

Gauge Type:

Troxler

**Model Number:** 

3430

**Serial Number:** 

37378

**Test Mode:** 

**Direct Transmission** 

Standard Count: Density: 2490

Standard Count: Moisture: 651

Test	Results						
Test No	Material	Depth of Te (in)	st Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	Brown silty sand w trace limerock	12	122.9	7.7	114.1	99.5	≥95
2	Brown silty sand w trace limerock	12	122.7	8.2	113.4	98.8	≥95
3	Brown silty sand w trace limerock	12	123.1	9.0	112.9	98.4	≥95
4	Brown silty sand w trace limerock	. 12	123.2	7.6	114.5	99.8	≥95
5	Brown silty sand w trace limerock	12	123.9	7.7	115.0	100.3	≥95

Loc Test No	eation and Compaction  Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gene	eral Location: SOUTH ACCESS ROAD 0 = TOP O	F SUBGRADE, ELEV. 0-1		•	
1	50' S. OF N. END OF ACCESS RD	0390309-1-S3	ASTM D 1557 - 07	114.7	9.8
2	350' S. OF N. END OF ACCESS RD.	0390309-1-S3	ASTM D 1557 - 07	114.7	9.8
3	670' S. OF N. END OF ACCESS RD.	0390309-1-S3	ASTM D 1557 - 07	114.7	9.8
4	1010' S. OF N. END OF ACCESS RD.	0390309-1-S3	ASTM D 1557 - 07	114.7	9.8
5	1300' S. OF N. END OF ACCESS RD.	0390309-1-S3	ASTM D 1557 - 07	114.7	9.8



Phone: (727) 868-9526 Fax: (727) 868-0094

## **Field Density Report**

Client: **SCS ENGINEERS**  **CC: DOMINIQUE BRAMLETT** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

Report No: FDR:0390309-3

Issue No: 2

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by

Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 8/9/2010

**Testing Details** 

Tested By:

Robert Byrns

**Field Methods:** 

**ASTM D 6938** 

Lab Methods:

ASTM D 1557 - 07

**Date Tested:** 

7/26/2010

**Gauge Type:** 

Troxler

**Model Number:** 

3430

Serial Number:

37378

Test Mode:

**Direct Transmission** 

Standard Count: Density: 2489

Standard Count: Moisture: 649

Test Results Test No	Material	Depth of Test W (in)	/et Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	Limerock	10	124.3	11.1	111.9	97.5	≥95
2	Limerock	. 10	124.7	8.2	115.2	100.5	≥95
3	Limerock	10	128.8	9.8	117.3	102.3	≥95
4	Limerock	10	128.1	10.9	115.5	100.7	≥95

Loca Test No	ation and Compaction  Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gene	ral Location: LIMEROCK SUBBASE SOUTH ACCESS ROAD	PHASE 3 0 = TOP	OF BASE		
1	300' E. OF W. END OF ACCESS RD.	0390309-1-S3	ASTM D 1557 - 07	114.7	9.8
2	600' E. OF W. END OF ACCESS RD.	0390309-1-S3	ASTM D 1557 - 07	114.7	9.8
3	900' E. OF W. END OF ACCESS RD.	0390309-1-S3	ASTM D 1557 - 07	114.7	9.8
4	1100' E. OF W. END OF ACCESS RD.	0390309-1-S3	ASTM D 1557 - 07	114.7	9.8



Eng Certificate Of Authorization 3684 Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: FDR:0390309-4

Issue No: 1

**Field Density Report** Client: **SCS ENGINEERS** 

4041 PARK OAKS BLVD, SUITE 100

**Project: CITRUS COUNTY PH 3 EXPANSION** 

TAMPA, FL 33610

**CC: DOMINIQUE BRAMLETT** 

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by

Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 8/9/2010

**Testing Details** 

Tested By:

Robert Byrns

**Field Methods:** 

**ASTM D 6938** 

Lab Methods:

ASTM D 1557 - 07

**Date Tested: Gauge Type:**  7/27/2010

Troxler

**Model Number:** 

3430

**Serial Number:** 

37378

**Test Mode:** 

**Direct Transmission** 

Standard Count: Density: 2492

Standard Count: Moisture: 648

Test	Test Results							
Test No	Depth of Test (in)	Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit		
1	4	128.0	10.2	116.2	101.0	≥98		
2	4	127.9	10.7	115.5	100.5	≥98		
3	4	130.9	10.9	118.0	102.6	≥98		
4	4	130.5	14.9	113.6	98.8	≥98		

Loca Test No	ation and Compaction  Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gene	ral Location: BASE COURSE LIMEROCK 0 = TOP O	F BASE (THICKNESS 6")			
1	200' W. OF E. END OF S. ACCESS RD.	0390309-3-S1	ASTM D 1557 - 07	115.0	12.5
2	500' W. OF E. END OF S. ACCESS RD.	0390309-3-S1	ASTM D 1557 - 07	115.0	12.5
3	800' W. OF E. END OF S. ACCESS RD.	0390309-3-S1	ASTM D 1557 - 07	115.0	12.5
4	1100' W. OF E. END OF S. ACCESS RD.	0390309-3-S1	ASTM D 1557 - 07	115.0	12.5



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Report No: FDR:0390309-5

Issue No: 1

# **Field Density Report**

Client: **SCS ENGINEERS** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

**CC: DOMINIQUE BRAMLETT** 

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 8/9/2010

**Testing Details** 

Tested By:

Robert Byrns

**Field Methods:** 

**ASTM D 6938** 

Lab Methods:

ASTM D 698 - 07, ASTM D 1557 - 07

**Date Tested:** 

7/30/2010

Gauge Type:

Troxler

**Model Number:** 

3430

**Serial Number:** 

37378

Test Mode: **Direct Transmission**  Standard Count: Density: 2496

Standard Count: Moisture: 657

Test Results Test No	S Material	Depth of Test (in)	Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	Limerock	6	130.5	11.6	116.9	101.7	≥98
2	Limerock	6	131.9	12.2	117.6	102.2	≥98
3	Limerock	6	132.7	13.3	117.1	101.8	≥98
4	Limerock	. 6	134.8	14.7	117.5	102.2	≥98
5	Limerock	<u> </u>	133.7	14.5	116.8	101.5	≥98

Loca Test No	ation and Compaction  Location	MDD Soil ID	MDD Method	MDD (lb/ft³) OMC (%
Gene	ral Location: BASE COURSE - S. ACCESS ROAD 2N	ID LIFT 0 = TOP OF BASE	THICKNESS 6"+	
1	100' E. OF W. END OF S. ACCESS RD.	0390309-3-S1	ASTM D 1557 - 07	115.0 12.5
2	400' E. OF W. END OF S. ACCESS RD.	0390309-3-S1	ASTM D 1557 - 07	115.0 12.5
3	700' E. OF W. END OF S. ACCESS RD.	0390309-3-\$1	ASTM D 1557 - 07	115.0 12.5
4	1000' E. OF W. END OF S. ACCESS RD.	0390309-3-S1	ASTM D 1557 - 07	115.0 12.5
5	1200' E. OF W. END OF S. ACCESS RD.	0390309-3-S1	ASTM D 1557 - 07	115.0 12.5



Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: FDR:0390309-6

Issue No: 1

# Field Density Report

Client: SCS ENGINEERS

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 9/1/2010

**Testing Details** 

Tested By:

Robert Byrns

Field Methods:

ASTM D 6938

Lab Methods:

ASTM D 698 - 07

Date Tested:
Gauge Type:

8/16/2010

Gauge Type.

Troxler

Model Number:

3430

3430

Serial Number:

37378

Test Mode:

**Direct Transmission** 

Standard Count: Density: 2504

Standard Count: Moisture: 654

Test Results								
Test No	Depth of Test (in)	Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit		
1	12	117.1	6.3	110.2	100.1	≥95		
2	12	122.0	8.8	112.1	101.9	≥95		
3	12	118.2	6.3	111.2	101.1	≥95		
4	12	117.7	6.9	110.1	100.1	≥95		

**CC: DOMINIQUE BRAMLETT** 

Loca Test No	ation and Compaction Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gene	ral Location: CELL #3 FILL MATERIAL 0 = BOTTOM OF	F CELL #3			
1	EAST END OF NORTH HALF OF CELL 3, 0+1	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
2	WEST END OF NORTH HALF OF CELL 3, 0+1	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
3	WEST END OF NORTH HALF OF CELL 3, 1+2	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
4	EAST END OF NORTH HALF OF CELL 3, 1+2	0390309-5-S3	ASTM D 698 - 07	110.0	11.9



Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: FDR:0390309-7

Issue No: 1

**Field Density Report** Client: **SCS ENGINEERS** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

**CC:** DOMINIQUE BRAMLETT

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 9/1/2010

**Testing Details** 

Tested By:

Robert Byrns

**Field Methods:** 

**ASTM D 6938** 

Lab Methods:

ASTM D 698 - 07

**Date Tested:** 

8/17/2010

Gauge Type:

Troxler

**Model Number:** 

3430

Serial Number:

37378

**Test Mode:** 

**Direct Transmission** 

Standard Count: Density: 2502

Standard Count: Moisture: 653

Test	Results		.,			
Test No	Depth of Test (in)	Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	12	118.6	7.3	110.5	100.5	≥95
2	12	118.7	7.9	110.0	100.0	≥95
3	12	120.5	8.9	110.7	100.6	≥95

Location and Compaction Test Location No	MDD Soil ID	MDD Method	MDD (lb/ft³) OMC (%)
General Location: CELL #3 FILL SOIL 0 = BOTTOM OF CELL #3			
1 EAST END OF NORTH HALF OF CELL 3, 2+3	0390309-5-S3	ASTM D 698 - 07	110.0 11.9
2 WEST END OF NORTH HALF OF CELL 3, 2+3	0390309-5-S3	ASTM D 698 - 07	110.0 11.9
3 WEST END OF NORTH HALF OF CELL 3, 3+4	0390309-5-S3	ASTM D 698 - 07	110.0 11.9



Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: FDR:0390309-8

Issue No: 1

# **Field Density Report**

Client: **SCS ENGINEERS** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

**CC: DOMINIQUE BRAMLETT** 

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 9/1/2010

**Testing Details** 

Tested By:

Robert Byrns

**Field Methods:** 

**ASTM D 6938** 

Lab Methods:

ASTM D 698 - 07

**Date Tested:** 

8/18/2010

Gauge Type:

Troxler

**Model Number:** 

3430

Serial Number:

37378

**Test Mode:** 

**Direct Transmission** 

Standard Count: Density: 2501

Standard Count: Moisture: 654

Test Results								
Test No	Depth of Test (in)	Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit		
1	12	120.0	12.4	106.8	97.1	≥95		
2	12	122.8	13.4	108.3	98.4	≥95		
3	12	120.8	10.5	109.3	99.4	≥95		

Loc Test No	cation and Compaction Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gen	eral Location: CELL #3 FILL SOIL 0 = BOTTOM OF CELL #3	•			
1	EAST END NORTH HALF OF CELL 3, 4+5	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
2	WEST END OF NORTH HALF OF CELL 3, 5+6	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
3	EAST END OF NORTH HALF OF CELL 3, 6+7	0390309-5-S3	ASTM D 698 - 07	110.0	11.9



Hudson, FL 34667

Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

## Report No: FDR:0390309-9

Issue No: 1

Field Density Report

Client: SCS ENGINEERS

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 9/23/2010

**Testing Details** 

Tested By:

Dan Ryan

Field Methods:

**ASTM D 6938** 

Lab Methods:

ASTM D 698 - 07

Date Tested:

9/15/2010

Gauge Type:

Troxler

**Model Number:** 

3430

430

Serial Number:

37927

Test Mode:

**Direct Transmission** 

Standard Count: Density: 2755

Standard Count: Moisture: 700

Test	Results		•			
Test No		Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	12	115.9	9.1	106.2	96.6	≥95
2	12	118.3	11.0	106.6	96.9	≥95
3	12	116.8	10.3	105.9	96.3	≥95
4	12	116.8	9.2	107.0	97.2	≥95
5	12	118.8	8.9	109.1	99.2	≥95
6	12	119.2	8.9	109.5	99.5	≥95
7	12	117.7	9.3	107.7	97.9	≥95
8	12	117.7	9.1	107.9	98.1	≥95
9	12	118.8	9.0	109.0	99.1	≥95
10	12	119.2	8.9	109.5	99.5	≥95
11	12	119.2	8.9	109.5	99.5	≥95
12	12	116.8	10.2	106.0	96.4	≥95
13	12	117.7	9.1	107.9	98.1	≥95
14	12	119.2	8.9	109.5	99.5	≥95
15	12	116.8	10.2	106.0	96.4	≥95
16	12	121.4	10.6	109.8	99.8	≥95
17	12	120.9	10.6	109.3	99.4	≥95
18	12	120.9	10.4	109.5	99.6	≥95

**CC: DOMINIQUE BRAMLETT** 

Lo Tes No	cation and Compaction t Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gen	neral Location: FILL SOILS - W. SIDE OF CEL	L 0 = BOTTOM OF EXCAVATION			
1	1+25W - 0+75N, 43-44	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
2	1+75W - 1+25N, 43-44	0390309-5-\$3	ASTM D 698 - 07	110.0	11.9
3	1+45W - 0+85N, 44-45	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
4	2+00W - 0+97N, 44-45	0390309-5-S3	ASTM D 698 - 07	110.0	11.9



Eng Certificate Of Authorization 3684 Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: FDR:0390309-9

Issue No: 1

**Field Density Report** Client:

**SCS ENGINEERS CC: DOMINIQUE BRAMLETT** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 9/23/2010

Loca	ation and Compaction				
Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gene	ral Location: FILL SOILS - W. SIDE OF CELL	0 = BOTTOM OF EXCAVATION			
5	2+25W - 0+80N, 45-45	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
6	2+50W - 0+72N, 45-46	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
7	3+00W - 0+85N, 46-47	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
8	3+20W - 0+75N, 46-47	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
9	3+25W - 0+80N, 47-48	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
10	3+45W - 0+90N, 47-48	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
11	2+75W - 0+80N, 52-53	0390309-5-\$3	ASTM D 698 - 07	110.0	11.9
12	3+00W - 0+85N, 53-54	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
13	1+75W - 0+80N, 48-49A	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
14	1+85W - 0+85N, 48-49A	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
15	2+15W - 0+85N, 49-50A	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
16	2+20W - 0+80N, 49-50B	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
17	2+40W - 0+80N, 50-51	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
18	2+55W - 0+85N, 51-52	0390309-5-S3	ASTM D 698 - 07	110.0	11.9



Eng Certificate Of Authorization 3684 Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: FDR:0390309-10

Issue No: 1

Field Density Report

SCS ENGINEERS CC: DOMINIQUE BRAMLETT 4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 9/30/2010

**Testing Details** 

Tested By:

Client:

Dan Ryan

Field Methods:

**ASTM D 6938** 

Lab Methods:

ASTM D 698 - 07

Date Tested: Gauge Type: 9/16/2010

oauge Type.

Troxler

Model Number:

3430

_____

Serial Number:

37927

Test Mode:

**Direct Transmission** 

Standard Count: Density: 2750

Standard Count: Moisture: 705

Test Res	sults						
Test No	Material	Depth of Test (in)	Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	White Fine Sand	12	121.3	10.6	109.7	99.7	≥95
2	White Fine Sand	12	120.6	10.6	109.0	99.1	≥95
3	White Fine Sand	12	119.3	8.0	110.5	100.4	≥95
4	White Fine Sand	12	120.4	10.1	109.4	99.4	≥95
5	White Fine Sand	12	121.4	10.6	109.8	99.8	≥95
6	White Fine Sand	12	120.3	10.4	109.0	99.1	≥95
7	White Fine Sand	12	119.6	10.0	108.7	98.8	≥95
8	White Fine Sand	. 12	121.2	10.6	109.6	99.6	≥95

Loc Test No	cation and Compaction Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gen	eral Location: FILL SOILS PH 3 WEST CELL	0 = BOTTOM OF EXCAVATION		,	
1	2+95W - 1+20N, 54-55	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
2	2+50W - 1+30N, 55-56	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
3	1+95W - 1+45N, 56-57	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
4	2+00W - 0+90N, 57-58	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
5	2+25W - 0+80N, 58-59	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
6	2+50W - 0+75N, 56-57	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
7	2+75W - 0+85N, 57-58	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
8	3+00W - 0+90N, 58-59	0390309-5-S3	ASTM D 698 - 07	110.0	11.9



Eng Certificate Of Authorization 3684 Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: FDR:0390309-11

Issue No: 1

# **Field Density Report**

Client: **SCS ENGINEERS** 

CC: DOMINIQUE BRAMLETT 4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

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Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager

Date of Issue: 10/22/2010

**Testing Details** 

Tested By:

Robert Byrns

**Field Methods:** 

**ASTM D 6938** 

Lab Methods:

ASTM D 698 - 07

Date Tested:

10/4/2010

Gauge Type:

Troxler

**Model Number:** 

3430

Serial Number:

37378

**Test Mode:** 

**Direct Transmission** 

Standard Count: Density: 2495

Standard Count: Moisture: 646

Test	Results					
Test No	Depth of Test (in)	Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	12	119.7	5.9	113.0	102.8	≥95
2	: 12	120.4	8.5	111.0	100.9	≥95
3	12	117.4	6.0	110.8	100.7	≥95
4	12	115.6	6.6	108.4	98.6	≥95
5	12	117.3	7.5	109.1	99.2	≥95
6	12	120.6	10.4	109.2	99.3	≥95
7	12	111.2	6.4	104.5	95.0	≥95
8	12	115.1	10.0	104.6	95.1	≥95
9	12	120.2	10.7	108.6	98.7	≥95
10	12	119.5	11.2	107.5	97.7	≥95
11	12	120.5	10.5	109.0	99.1	≥95

Loca	ation and Compaction				
Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gene	ral Location: TOP OF SLOPE TIE INS 0 = TOP O	F SLOPE			
1	100' N. OF SE CORNER	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
2	200' N. OF SE CORNER	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
3	300' N. OF SE CORNER	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
4	400' N. OF SE CORNER	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
5	500' N. OF SE CORNER	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
Gene	ral Location: SLOPES OF CELL #3 0 = TOP OF S	SLOPE, ELEV. 0-1			
6	EAST SLOPE TOP HALF	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
7	EAST SLOPE BOTTOM HALF	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
8	NE CORNER TOP HALF	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
9	NE CORNER BOTTOM HALF	0390309-5-S3	ASTM D 698 - 07	110.0	11.9



Phone: (727) 868-9526 Fax: (727) 868-0094

## Report No: FDR:0390309-11

ssue No: 1

Field Density Report

Client: SCS ENGINEERS

CC: DOMINIQUE BRAMLETT

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 10/22/2010

Loca Test No	ation and Compaction Location	MDD Soil ID	MDD Method	MDD (lb/ft³) OM	IC (%)
Gene	ral Location: SLOPES OF CELL #3 0 = TOP OF SLOPE, ELEV	. 0-1			
10	NORTH SLOPE TOP HALF	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
11	NORTH SLOPE BOTTOM HALF	0390309-5-S3	ASTM D 698 - 07	110.0	11.9



Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

# **Field Density Report**

Client: **SCS ENGINEERS**  **CC:** DOMINIQUE BRAMLETT

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

Report No: FDR:0390309-12

Issue No: 1

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 10/22/2010

**Testing Details** 

Tested By:

Dan Ryan

**Field Methods:** 

**ASTM D 6938** 

Lab Methods:

ASTM D 698 - 07

**Date Tested:** 

10/7/2010

Gauge Type:

Troxler

**Model Number:** 

3430

Serial Number:

37927

**Test Mode:** 

**Direct Transmission** 

Standard Count: Density: 2750

Standard Count: Moisture: 700

Test	Results					
Test No	Depth of Test (in)	Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	12	116.9	9.0	107.2	99.2	≥95
2	12	114.2	7.2	106.5	98.5	≥95
3	12	114.9	8.3	106.1	98.1	≥95
4	12	114.9	8.8	105.6	97.7	≥95
5	12	114.8	7.7	106.6	98.6	≥95
6	12	115.4	8.3	106.6	98.6	≥95
7	12	114.8	7.7	106.6	98.6	≥95
8	12	114.2	7.2	106.5	98.5	≥95

Loca Test No	ation and Compaction  Location	MDD Soil ID	MDD Method	MDD (lb/ft³) OMC (%)
Gene	ral Location: NATURAL GROUND NORTH SLOPE 0 = TOP	OF NATURAL GRO	UND	
1	E TO W TOP OF N. SLOPE TEST 1 EVERY 100'	0390309-5-S2	ASTM D 698 - 07	108.1 11.6
2	E TO W TOP OF N. SLOPE TEST 2 EVERY 100'	0390309-5-S2	ASTM D 698 - 07	108.1 11.6
3	E TO W TOP OF N. SLOPE TEST 3 EVERY 100'	0390309-5-S2	ASTM D 698 - 07	108.1 11.6
4	E TO W TOP OF N. SLOPE TEST 4 EVERY 100'	0390309-5-S2	ASTM D 698 - 07	108.1 11.6
5	E TO W BOTTOM OF N. SLOPE TEST 1 EVERY 100'	0390309-5-S2	ASTM D 698 - 07	108.1 11.6
6	E TO W BOTTOM OF N. SLOPE TEST 2 EVERY 100'	0390309-5-S2	ASTM D 698 - 07	108.1 11.6
7	E TO W BOTTOM OF N. SLOPE TEST 3 EVERY 100'	0390309-5-S2	ASTM D 698 - 07	108.1 11.6
8	E TO W BOTTOM OF N. SLOPE TEST 4 EVERY 100'	0390309-5-S2	ASTM D 698 - 07	108.1 11.6



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Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: FDR:0390309-13

Issue No: 1

Field Density Report

Client: SCS ENGINEERS

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 11/1/2010

**Testing Details** 

Tested By:

Robert Byrns

Field Methods:

**ASTM D 6938** 

Lab Methods:

ASTM D 698 - 07

Date Tested:

10/15/2010

Gauge Type:

Troxler

**Model Number:** 

3430

Serial Number:

CC: DOMINIQUE BRAMLETT

36461

Test Mode:

Direct Transmission

Standard Count: Density: 2452

Standard Count: Moisture: 688

Test	Results					
Test No	Depth of Test (in)	Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	12	120.1	10.5	108.7	98.8	≥95
2	12	119.4	9.1	109.4	99.5	≥95
3	12	122.4	11.4	109.9	99.9	≥95
4	12	120.1	10.8	108.4	98.5	≥95
5	12	118.7	10.3	107.6	97.8	≥95
6	12	118.6	10.1	107.7	97.9	≥95
7	12	120.9	10.4	109.5	99.6	≥95
8	12	119.8	9.8	109.1	99.2	≥95
9	12	122.7	11.1	110.4	100.4	≥95
10	12	121.3	10.8	109.5	99.5	≥95

Loca	ation and Compaction				
Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gene	ral Location: SLOPES FOR CELL #3 0 = TOP OF SLOPE, ELE	EV. 0-1			
1	100' E. & 25' N. OF NW CORNER OF CELL 3 - BOTTOM	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
2	100' E. & 25' N. OF NW CORNER OF CELL 3 - TOP	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
3	225' E. & 25' N. OF NW CORNER OF CELL 3 - BOTTOM	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
4	225' E. & 25' N. OF NW CORNER OF CELL 3 - TOP	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
5	100' E. OF NW CORNER OF CELL TOE TIE IN AT CELL 3	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
6	225' E. OF NW CORNER OF CELL 3 TOE ETIE IN - TOP	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
Gene	ral Location: EAST FLOOR SECTION OF CELL 3, ELEV. 0-1				
7	110' W. & 20' N. OF SE CORNER OF BOTTOM OF CELL 3	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
8	110' W. & 85' N. OF SE CORNER OF BOTTOM OF CELL 3	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
9	220' W. & 20' N. OF SE CORNER OF BOTTOM OF CELL 3	0390309-5-S3	ASTM D 698 - 07	110.0	11.9
10	220' W. & 85' N. OF SE CORNER OF BOTTOM OF CELL 3	0390309-5-S3	ASTM D 698 - 07	110.0	11.9

C	on	ıme	ents
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Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: FDR:0390309-14

Issue No: 1

# **Field Density Report**

Client: SCS ENGINEERS

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

CC: DOMINIQUE BRAMLETT

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Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 11/2/2010

**Testing Details** 

Tested By:

Dan Ryan

Field Methods:

**ASTM D 6938** 

Lab Methods:

ASTM D 698 - 07

Date Tested:

10/25/2010

Gauge Type:

Troxler

**Model Number:** 

3430

**Serial Number:** 

37927

Test Mode:

Direct Transmission

Standard Count: Density: 2750

Standard Count: Moisture: 705

Test Re	sults						
Test No	Material	Depth of Test We (in)	t Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	Yellow Fine Sand	12	114.3	6.6	107.2	99.2	≥95
2	Yellow Fine Sand	12	112.9	6.3	106.2	98.2	≥95
3	Yellow Fine Sand	12	113.9	6.9	106.5	98.6	≥95
4	Yellow Fine Sand	12	112.9	6.6	105.9	98.0	≥95
5	Yellow Fine Sand	12	114.5	6.8	107.2	99.2	≥95
6	Yellow Fine Sand	12	113.4	6.4	106.6	98.6	≥95
7	Yellow Fine Sand	12	113.7	6.3	107.0	98.9	≥95
8	Yellow Fine Sand	12	112.8	6.4	106.0	98.1	≥95
9	Yellow Fine Sand	12	113.6	6.6	106.6	98.6	≥95
10	Yellow Fine Sand	12	112.5	6.2	105.9	98.0	≥95
11	Yellow Fine Sand	12	113.2	6.2	106.6	98.6	≥95
12	Yellow Fine Sand	12	112.9	6.2	106.3	98.3	≥95
13	Yellow Fine Sand	12	113.3	6.3	106.6	98.6	≥95
14	Yellow Fine Sand	12	113.3	6.6	106.3	98.3	≥95

Loca Test No	ation and Compaction  Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gene	ral Location: NATURAL GROUND BOTTOM OF LANDFI	LL 0 = TOP OF NATURA	AL GROUND, ELEV	/. 0 <b>-</b> 1	
1	400' W. & 20' S. OF NE CORNER OT TOE	0390309-5-S2	ASTM D 698 - 07	108.1	11.6
2	500' W. & 25' S. OF NE CORNER OF TOE	0390309-5-S2	ASTM D 698 - 07	108.1	11.6
3	600' W. & 20' S. OF NE CORNER OF TOE	0390309-5-S2	ASTM D 698 - 07	108.1	11.6
4	700' W. & 25' S. OF NE CORNER OF TOE	0390309-5-S2	ASTM D 698 - 07	108.1	11.6
5	800' W. & 25' S. OF NE CORNER OF TOE	0390309-5-\$2	ASTM D 698 - 07	108.1	11.6
6	900' W. & 25' S. OF NE CORNER OF TOE	0390309-5-S2	ASTM D 698 - 07	108.1	11.6



Field Density Report

Professional Service Industries, Inc. 16550 Scheer Blvd, Suite 1 Hudson, FL 34667 Eng Certificate Of Authorization 3684 Phone: (727) 868-9526

Fax: (727) 868-0094

Report No: FDR:0390309-14

Issue No: 1

Client: SCS ENGINEERS

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

**CC: DOMINIQUE BRAMLETT** 

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 11/2/2010

Loc	ation and Compaction				
Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gene	ral Location: NATURAL GROUND NORTH SLOPE 0 = TOP O	F NATURAL GRO	UND, ELEV. 0-1		
7	300' E. OF NW CORNER OF LANDFILL N. SLOPE BOTTOM	0390309-5-S2	ASTM D 698 - 07	108.1	11.6
8	300' E. OF NW CORNER OF LANDFILL N. SLOPE TOP	0390309-5-S2	ASTM D 698 - 07	108.1	11.6
9	200' E. OF NW CORNER OF LANDFILL N. SLOPE BOTTOM	0390309-5-S2	ASTM D 698 - 07	108.1	11.6
10	200' E. OF NW CORNER OF LANDFILL N. SLOPE TOP	0390309-5-S2	ASTM D 698 - 07	108.1	11.6
11	100' E. OF NW CORNER OF LANDFILL N. SLOPE BOTTOM	0390309-5-S2	ASTM D 698 - 07	108.1	11.6
12	100' E. OF NW CORNER OF LANDFILL N. SLOPE TOP	0390309-5-S2	ASTM D 698 - 07	108.1	11.6
13	60' S. OF NW CORNER OF LANDFILL N. SLOPE BOTTOM	0390309-5-S2	ASTM D 698 - 07	108.1	11.6
14	60' S. OF NW CORNER OF LANDFILL N. SLOPE TOP	0390309-5-S2	ASTM D 698 - 07	108.1	11.6



Fax: (727) 868-0094

## **Field Density Report**

Client: **SCS ENGINEERS** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project:** CITRUS COUNTY PH 3 EXPANSION

Report No: FDR:0390309-16

Issue No: 1

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Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 12/1/2010

**Testing Details** 

Tested By:

Robert Byrns

**Field Methods:** 

**ASTM D 6938** 

Lab Methods:

ASTM D 1557 - 07

**Date Tested:** Gauge Type: 11/11/2010

**Model Number:** 

Troxler

3430

**Serial Number:** 

36461

**Test Mode:** 

**Direct Transmission** 

Standard Count: Density: 2442

Standard Count: Moisture: 698

I	Test	Results					
- 1	Test No	Depth of Test (in)	Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
ı	1	12	129.7	13.6	114.2	99.5	≥95
ı	2	12	125.3	10.8	113.1	98.6	≥95

**CC: DOMINIQUE BRAMLETT** 

Location and Compaction Test Location No	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
General Location: 16" PIPE CASING FOR FORCEMAIN TO PU	MP STA. 0 = TOP OF	PIPE		
1 10' E. OF W. EDGE OF PVMT ACROSS DEVAUGHN, 1+	2 0390309-1-S3	ASTM D 1557 - 07	114.7	9.8
2 15' E. OF W. EDGE OF PVMT ACROSS DEVAUGHN, 2+3	3 0390309-1-S3	ASTM D 1557 - 07	. 114.7	9.8



Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

## **Field Density Report**

Client: **SCS ENGINEERS** 

**CC: DOMINIQUE BRAMLETT** 4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

Report No: FDR:0390309-17

Issue No: 1

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 12/14/2010

Testing Details

Tested By:

Robert Byrns

Field Methods:

**ASTM D 6938** 

Lab Methods:

ASTM D 1557 - 07

**Date Tested:** 

12/8/2010

Gauge Type:

Troxler

**Model Number:** 

3430

Serial Number:

36461

Test Mode:

**Direct Transmission** 

Standard Count: Density: 2448

Standard Count: Moisture: 86

**Test Results** 

Test Depth of Test (in) Wet Density (lb/ft³) Moisture Content Dry Density (lb/ft³) Relative Limit No (%) Compaction (%)

12

117.3

General Location: CULVERT BOX SLAB 0 = SLAB ON GRADE

7.3

109.3

95.3

≥95

MDD (lb/ft³) OMC (%)

**Location and Compaction** 

Test Location

No

12' E. & 12' S. OF NW CORNER OF SLAB, 0-1

0390309-1-S3

**MDD Soil ID** 

ASTM D 1557 - 07

**MDD Method** 

114.7

9.8



Phone: (727) 868-9526 Fax: (727) 868-0094

## **Field Density Report**

Client: SCS ENGINEERS

**CC: DOMINIQUE BRAMLETT** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

Report No: FDR:0390309-24

Issue No: 1

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by

Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/10/2011

**Testing Details** 

Tested By:

Robert Byrns

Field Methods:

**ASTM D 6938** 

Lab Methods:

ASTM D 698 - 07

Date Tested:

1/3/2011

Gauge Type:

Troxler

**Model Number:** 

3430

**Serial Number:** 

36461

Test Mode:

Direct Transmission

**Standard Count: Density:** 

Standard Count: Moisture:

Test	Results					
Test No		Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	12	110.6	11.7	99.0	91.9*	≥95
2	12	114.9	14.3	100.5	93.3*	≥95
3	12	112.0	12.3	99.7	92.6*	≥95
4	12	111.2	9.7	101.4	94.1*	≥95
5	. 12	112.2	12.4	99.8	92.7*	≥95
6	12	110.7	10.8	99.9	92.8*	≥95

Loc Test No	cation and Compaction Location	MDD Soil ID	MDD Method	MDD (lb/ft³) OMC (%
Gen	eral Location: PIPE BACKFILL 24" PIPE 0 = SPRINGLINE C	F PIPE		
1	15' N. OF S. HEADWALL WEST PIPE, 0-1	0390309-10-S1	ASTM D 698 - 07	107.7 13.7
2	30' N. OF S. HEADWALL WEST PIPE, 0+1	0390309-10-S1	ASTM D 698 - 07	107.7 13.7
3	15' N. OF S. HEADWALL EAST PIPE, 0-1	0390309-10-S1	ASTM D 698 - 07	107.7 13.7
4	30' N. OF S. HEADWALL EAST PIPE, 0+1	0390309-10-S1	ASTM D 698 - 07	107.7 13.7
5	15' N. OF S. HEADWALL BETWEEN W. & E. PIPE, 0-1	0390309-10-S1	ASTM D 698 - 07	107.7 13.7
6	30' N. OF S. HEADWALL BETWEEN W. & E. PIPE, 0+1	0390309-10-S1	ASTM D 698 - 07	107.7 13.7

### **Comments**

* = Result does not meet the specification



Phone: (727) 868-9526 Fax: (727) 868-0094

## Report No: FDR:0390309-25

Issue No: 1

# **Field Density Report**

Client: **SCS ENGINEERS** 

**CC:** DOMINIQUE BRAMLETT 4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/10/2011

**Testing Details** 

Tested By:

Robert Byrns

**Field Methods:** 

**ASTM D 6938** 

Lab Methods:

ASTM D 698 - 07

**Date Tested:** 

1/4/2011

Gauge Type:

Troxler

**Model Number:** 

3430

Serial Number:

36461

**Test Mode:** 

**Direct Transmission** 

Standard Count: Density: 2438

Standard Count: Moisture: 684

Test	Results					, <u>.</u>
Test No	Depth of Test (in)	Wet Density (lb/ft³)	Moisture Content (%)	Dry Density (lb/ft³)	Relative Compaction (%)	Limit
1	12	116.4	10.5	105.3	97.8	≥95
2	. 12	114.8	9.8	104.6	97.1	≥95
3	12	115.2	9.8	104.9	97.4	≥95
4	12	116.3	10.3	105.4	97.9	≥95
5	12	115.2	10.1	104.6	97.1	≥95
6	12	115.7	10.4	104.8	97.3	≥95

Loc Test No	ation and Compaction  Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
Gene	eral Location: PIPE BACKFILL 24" STORM SEWER @NW Co	ORNER OF CELL #3	0 = SPRINGLINE (	OF PIPE	
1	15' N. OF S. HEADWALL W. PIPE, 0-1	0390309-10-S1	ASTM D 698 - 07	107.7	13.7
2	30' N. OF S. HEADWALL W. PIPE, 0+1	0390309-10-S1	ASTM D 698 - 07	107.7	13.7
3	15' N. OF S. HEADWALL BETWEEN W. & E. PIPE, 0-1	0390309-10-S1	ASTM D 698 - 07	107.7	13.7
4	30' N. OF S. HEADWALL BETWEEN W. & E. PIPE, 0+1	0390309-10-S1	ASTM D 698 - 07	107.7	13.7
5	15' N. OF S. HEADWALL E. PIPE, 0-1	0390309-10-S1	ASTM D 698 - 07	107.7	13.7
6	30' N. OF S. HEADWALL E. PIPE, 0+1	0390309-10-S1	ASTM D 698 - 07	107.7	13.7

### Comments

RETESTS



Eng Certificate Of Authorization 3684 Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: PTR:0390309-1-S2

Issue No: 1

## **Proctor Test Report**

Client: **SCS ENGINEERS** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 8/2/2010

Sample Details

Sample ID: 0390309-1-S2

Sampling Method:

Source:

Specification: Location:

Tested By:

William McGinn

**Date Sampled:** 

Material:

**CC: DOMINIQUE BRAMLETT** 

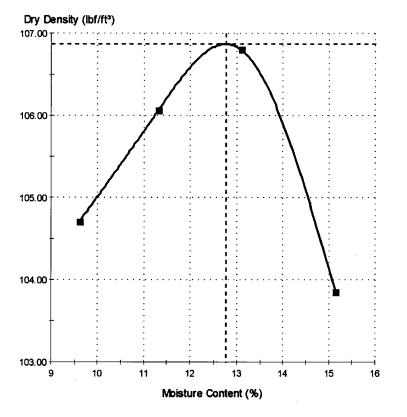
7/22/2010

Grayish brown Silty Sand

**Date Tested:** 

7/26/2010





## **Test Results**

ASTM D 1557 - 07

Maximum Dry Density (lbf/ft³): 106.9 Optimum Moisture Content (%): 12.8

Method:

Preparation Method:

Comments

Form No: 110031.V1.00, Report No: PTR:0390309-1-S2

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Page 1 of 1



Hudson, FL 34667

Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

## **Proctor Test Report**

Client: SCS ENGINEERS

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

Report No: PTR:0390309-1-S3

Issue No: 1

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 8/2/2010

7/22/2010

**Sample Details** 

Sample ID: 0390309-1-S3

Sampling Method:

Source:

05

Specification: Location:

Brownish Yellow Silty SAND

Tested By:

William McGinn

Material: Br

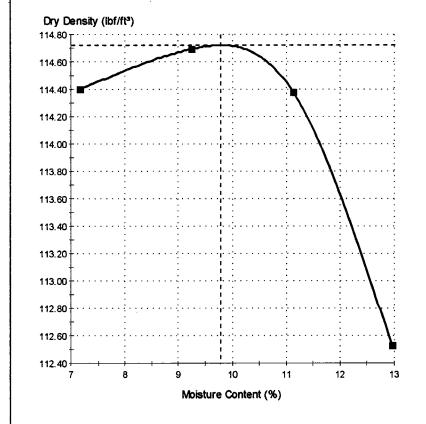
**Date Sampled:** 

**CC: DOMINIQUE BRAMLETT** 

Brown silty sand w trace limerock

**Date Tested:** 7/26/2010

## **Dry Density - Moisture Content Relationship**



## Test Results

- ASTM D 1557 - 07 -

Maximum Dry Density (lbf/ft³): 114.7 Optimum Moisture Content (%): 9.8

Method:

Preparation Method:



Hudson, FL 34667

Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

## **Proctor Test Report**

SCS ENGINEERS Client:

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

Report No: PTR:0390309-5-S1

Issue No: 1

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 8/9/2010

Sample Details

Sample ID:

0390309-5-S1

**Date Sampled:** 

7/30/2010

Sampling Method:

Source:

Material:

**CC: DOMINIQUE BRAMLETT** 

Brownish yellow fine sand

Specification:

Location:

**Brownish Yellow Fine SAND** 

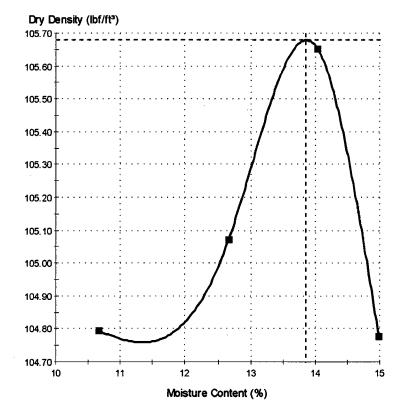
Tested By:

William McGinn

**Date Tested:** 

8/4/2010

## **Dry Density - Moisture Content Relationship**



### Test Results

ASTM D 698 - 07

Maximum Dry Density (lbf/ft³): 105.7 **Optimum Moisture Content (%): 13.9** 

Method:

Preparation Method:

Comments

STOCKPILE - IMPORTED MATERIAL



Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

## Report No: PTR:0390309-5-S2

Issue No: 1

# **Proctor Test Report**

Client: **SCS ENGINEERS** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 8/9/2010

Sample Details

Sampling Method:

Sample ID:

0390309-5-S2

**Date Sampled:** 

**CC: DOMINIQUE BRAMLETT** 

7/30/2010

Yellow Fine SAND

Specification:

Location:

Source:

Yellow Fine SAND

Tested By:

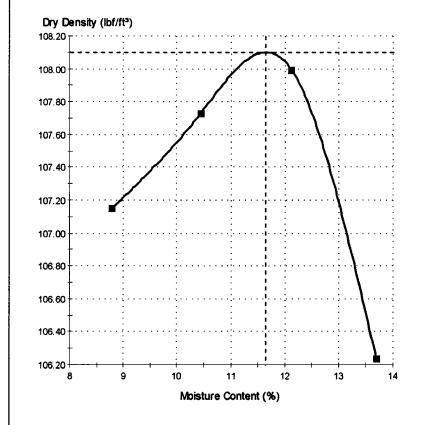
William McGinn

**Date Tested:** 

Material:

8/4/2010

## **Dry Density - Moisture Content Relationship**



## **Test Results**

_ASTM D 698 - 07 -

Maximum Dry Density (lbf/ft³): **Optimum Moisture Content (%): 11.6** 

Method:

Preparation Method:

Comments

NATURAL GROUND MATERIAL



Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

## **Proctor Test Report**

Client: **SCS ENGINEERS** 

**CC: DOMINIQUE BRAMLETT** 4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

Report No: PTR:0390309-5-S3

Issue No: 1

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 8/9/2010

Sample Details

Sample ID:

0390309-5-S3

**Date Sampled:** 

7/30/2010

Sampling Method:

Source:

Material:

White Fine SAND

Specification:

Location:

White Fine SAND

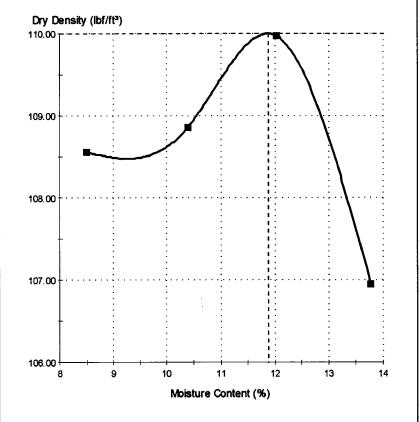
Tested By:

William McGinn

**Date Tested:** 

8/4/2010

## **Dry Density - Moisture Content Relationship**



## **Test Results**

- ASTM D 698 - 07 -

Maximum Dry Density (lbf/ft³): 110.0 **Optimum Moisture Content (%): 11.9** 

Method:

Preparation Method:

Comments

NATURAL GROUND MATERIAL



Hudson, FL 34667

Eng Certificate Of Authorization 3684 Phone: (727) 868-9526 Fax: (727) 868-0094

## Report No: PTR:0390309-10-S1

Issue No: 1

Client: **SCS ENGINEERS CC: DOMINIQUE BRAMLETT** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 9/30/2010

Sample Details

Sample ID:

0390309-10-S1

**Date Sampled:** 

9/16/2010

Sampling Method:

Source:

Material:

Brownish yellow fine sand

Specification:

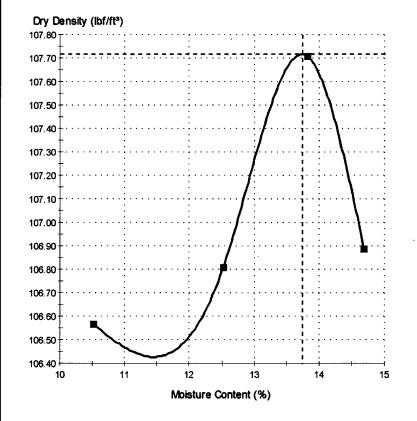
Location: Tested By:

William McGinn

**Date Tested:** 

9/20/2010

## **Dry Density - Moisture Content Relationship**



### **Test Results**

_ASTM D 698 - 07 -

Maximum Dry Density (lbf/ft³): 107.7 **Optimum Moisture Content (%): 13.7** 

Method:

Preparation Method:



Eng Certificate Of Authorization 3684 Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: PTR:0390309-14-S1

Issue No: 1

## **Proctor Test Report**

Client: SCS ENGINEERS

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 11/2/2010

10/25/2010

Sample Details

Sample ID: 0390309-14-S1

Sampling Method:

Source:

Material:

**CC: DOMINIQUE BRAMLETT** 

Light Gray Silty SAND

Specification:

Location:

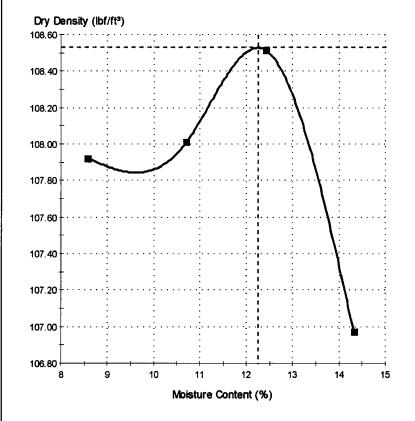
Tested By: William McGinn

**Date Tested:** 

**Date Sampled:** 

11/2/2010

## **Dry Density - Moisture Content Relationship**



### **Test Results**

_ASTM D 698 - 07 _

Maximum Dry Density (lbf/ft³): 108.5 Optimum Moisture Content (%): 12.2

Method:

Preparation Method:



Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

## Report No: PTR:0390309-15-S1

Issue No: 1

**Proctor Test Report** Client: **SCS ENGINEERS** 

**CC: DOMINIQUE BRAMLETT** 4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

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Approved Signatory: James Kenney (Branch Manager)

Pale Brown Fine Sand

Date of Issue: 11/23/2010

11/5/2010

Sample Details

Sample ID: 0390309-15-S1

Sampling Method:

Source:

Specification: STOCKPILE ONSITE MATERIAL

Location: Tested By:

William McGinn

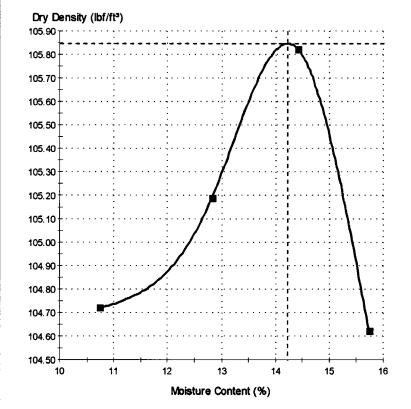
**Date Tested:** 

Material:

**Date Sampled:** 

11/9/2010





## **Test Results**

- ASTM D 698 - 07 -

Maximum Dry Density (lbf/ft³): **Optimum Moisture Content (%): 14.2** 

Method:

Preparation Method:



Phone: (727) 868-9526 Fax: (727) 868-0094

## **Concrete Field Report**

Client: SCS ENGINEERS

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

Report No: FC:0390309-19

Issue No: 1

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/3/2011

**General Field Data** 

Technician: Robert Byrns Test Date: 12/20/2010

Clear

Weather:

Test Resul	ts							
Set No.	Specimens Made	Ticket	Time Batched	Time Unloaded	Cubic Yards Placed	Slump (in)	Air Temp. (°F)	Concrete Temp. (°F)
0390309-19-C1	4	56602	07:11	08:00	9.0	3.50	35	57
0390309-19-C2	4	56603	07:45	09:40	18.0	4.00	40	60

**CC: DOMINIQUE BRAMLETT** 

## Location & Remarks

Set No. Location

General Location: HEAD WALLS

0390309-19-C1 NW CORNER OF CELL #3 FOOTINGS SLABS

General Location: CULVERT BOX

0390309-19-C2 CULVERT BOX FOR CELL #3 FOOTING SLAB

Mix Data			
Set No.	Supplier	Mix	Design Strength (psi)
	GULFCOAST	:3500 R	3500
		3500 R	3500

Notes	Remarks



Hudson, FL 34667 Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

## **Concrete Test Report**

SCS ENGINEERS

**CC: DOMINIQUE BRAMLETT** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

Report No: CON:0390309-19-C1

Issue No: 2

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Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/18/2011

#### Mix Data

Supplier

**GULFCOAST** 

Mix Identification

3500 R

Specified Design Strength (psi) 3500

at age 28 days

## **Details of Sample**

Date Sampled	12/20/2010	Date Received	12/21/2010			Measured	Specified
				Slump (in)	ASTM C 143	3.50	
<b>General Location</b>	HEAD WALLS	S		Slump w/ plasticizer (in)		N/A	
Sample Location	NW CORNER	R OF CELL #3 FC	OTINGS SLABS	Air Temp (°F)		35	
Curing Method	One day Fiel	ld/Laboratory Cu	re	Concrete Temp (°F)	ASTM C 1064	57	
Field Sample No		Field Cure Ten	np (°F) High	Air Content (%)	ASTM C 231		
			Low	Unit Weight (pcf)	ASTM C 138		
Contractor				Batch Size (yd³)		9	
Truck No.	108	Ticket No.	56602	Water Added (gal)	Before		
Sampled By	Robert Byrns	3			After		
Submitted By	-			Time Batched		07:11	
Weather	Clear			Time Sampled		07:45	
Est. Wind (mph)		Yd³ Placed	9.0	Time Placed		08:00	
Est. Rh (%)				Time In Truck (mins)		49	

### **Compressive Strength of Concrete Cylinders**

**ASTM C 39** 

		• .		<i>j</i>						
Specimen ID	Date Tested	Age (days)		Dimensions (in) Diameter Height		Type of Cap	Ultimate Load (lbf)	Type of Fracture	Compressive Strenath (psi)	Required Strength (psi)
		(uays)	Diameter	neigni		Cap	Load (IDI)	rracture	ouengui (psi)	Strength (psi)
0390309-19-C1\1	12/27/10	7	4.05	8.00	12.85		62354	3	4850	
0390309-19-C1\2	01/17/11	28	4.04	8.00	12.82		67808	3	5290	3500
0390309-19-C1\3	01/17/11	28	4.06	8.00	12.91		68034	5	5270	3500
0390309-19-C1\4		Hold								3500

Average 28 Day Compressive Strength (psi)

5280

### Notes

1.Sampling to ASTM C 172

3.Capping B=Bonded ASTM C 31
3.Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined

## Remarks

FailureMode: 3 = C39: Vert cracking/no cones; C1314: Cone & Split, 5 = C39: Side fracture-opposite ends; C1314: Semi-Conical Break



Hudson, FL 34667

Eng Certificate Of Authorization 3684 Phone: (727) 868-9526 Fax: (727) 868-0094

**Concrete Test Report** 

Client: **SCS ENGINEERS** 

**CC: DOMINIQUE BRAMLETT** 4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

Report No: CON:0390309-19-C2

Issue No: 2

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Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/18/2011

**Mix Data** 

Supplier **GULFCOAST** 

**Mix Identification** 3500 R

Specified Design Strength (psi) 3500 at age 28 days

**Details of Sample** 

Date Sampled	12/20/2010	Date Received	d 12/21/2010			Measured	Specified
				Slump (in)		4.00	
<b>General Location</b>	CULVERT BO	XC		Slump w/ plasticizer (in)		N/A	
Sample Location	CULVERT BO	OX FOR CELL #3	3 FOOTING SLAB	Air Temp (°F)		40	
Curing Method	One day Fiel	Id/Laboratory Cu	ure	Concrete Temp (°F)	ASTM C 1064	60	
Field Sample No	-	Field Cure Te	mp (°F) High	Air Content (%)	ASTM C 231		
			Low	Unit Weight (pcf)	ASTM C 138		
Contractor				Batch Size (yd³)		9	
Truck No.	103	Ticket No.	56603	Water Added (gal)	Before	•	
Sampled By	Robert Byrns	S			After		
Submitted By	_			Time Batched		07:45	
Weather	Clear			Time Sampled		08:15	
Est. Wind (mph)		Yd ³ Placed	18.0	Time Placed		09:40	
Fst. Rh (%)				Time In Truck (mins)		115	

## **Compressive Strength of Concrete Cylinders**

**ASTM C 39** 

				<b>,</b>						
Specimen ID	<b>Date Tested</b>	Age	Dimensi	Dimensions (in)		Type of	Ultimate	Type of	Compressive	Required
		(days)	Diameter	Height		Cap	Load (lbf)	Fracture	Strength (psi)	Strength (psi)
0390309-19-C2\1	12/27/10	7	4.04	8.00	12.82		55442	5	4330	
0390309-19-C2\2	01/17/11	28	4.04	8.00	12.82		64892	5	5060	3500
0390309-19-C2\3	01/17/11	28	4.05	8.00	12.88		62630	5	4860	3500
0390309-19-C2\4		Hold								3500

4960 Average 28 Day Compressive Strength (psi)

#### Notes

1.Sampling to ASTM C 172

2.Specimen(s) Prepared to ASTM C 31

3. Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined

### Remarks

FailureMode: 5 = C39: Side fracture-opposite ends; C1314: Semi-Conical Break



Phone: (727) 868-9526 Fax: (727) 868-0094

## **Concrete Field Report**

Client: **SCS ENGINEERS** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

Report No: FC:0390309-21

Issue No: 1

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/3/2011

Ger	reral	Fiel	id l	Data
<b>u</b> ci	ıcıaı		•	Jala

Technician: Edward Sylvester Test Date: 12/28/2010

Weather: Clear

									4
Set No.	Specimens Made	Ticket	Time Batched	Time Unloaded	Cubic Yards Placed	Slump (in)	Air Temp. (°F)	Concrete Temp.	ı
	Made				Flaceu			( ''')	ı
390309-21-C1	4	35001	10:35	11:45	7.0	3.25	38	63	ı

**CC: DOMINIQUE BRAMLETT** 

## **Location & Remarks**

Set No. Location

General Location: RETAINING WALL DUMP AREA

0390309-21-C1 RIGHT SIDE OF RETAINING WALL DUMP AREA

#### Mix Data

Set No. Supplier Mix Design Strength (psi) 0390309-21-C1 GULFCOAST 3500 R

Notes	Remarks



Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

## **Concrete Test Report**

Client: SCS ENGINEERS **CC: DOMINIQUE BRAMLETT** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

Report No: CON:0390309-21-C1

Issue No: 2

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Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/27/2011

Mix Data

Supplier

**GULFCOAST** 

Mix Identification

3500 R

Specified Design Strength (psi) 3500

at age 28 days

**Details of Sample** 

Date Sampled	12/28/2010	Date Received	d 12/29/2010			Measured	Specified
				Slump (in)	ASTM C 143	3.25	
<b>General Location</b>	RETAINING '	WALL DUMP AR	EA	Slump w/ plasticizer (in)		N/A	
Sample Location	RIGHT SIDE OF RETAINING WALL DUMP			Air Temp (°F)		38	
<b>Curing Method</b>	Field Cure			Concrete Temp (°F)	ASTM C 1064	63	
Field Sample No		Field Cure Te	mp (°F) High	Air Content (%)	ASTM C 231		
			Low	Unit Weight (pcf)	ASTM C 138		
Contractor				Batch Size (yd³)		7	
Truck No.	109	Ticket No.	35001	Water Added (gal)	Before		
Sampled By	Edward Sylv	ester			After		
Submitted By	_			Time Batched		10:35	
Weather	Clear			Time Sampled		11:30	
Est. Wind (mph)		Yd³ Placed	7.0	Time Placed		11:45	
Fet Rh (%)				Time In Truck (mine)		70	

## Compressive Strength of Concrete Cylinders

ASTM C 39

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Specimen ID	Date Tested	Age	Dimensi	ons (in)	Area (in²)	Type of	Ultimate	Type of	Compressive	Required
		(days)	Diameter	Height		Cap	Load (lbf)	Fracture	Strength (psi)	Strength (psi)
0390309-21-C1\1	01/04/11	7	4.05	8.00	12.85		46822	5	3640	
0390309-21-C1\2	01/25/11	28	4.05	8.00	12.85		65219	1	5080	3500
0390309-21-C1\3	01/25/11	28	4.05	8.00	12.88		64741	1	5030	3500
0390309-21-C1\4		Hold								3500

Average 28 Day Compressive Strength (psi)

5060

#### Notes

1.Sampling to ASTM C 172

1.Sampling to ASTM C 172 2.Specimen(s) Prepared to ASTM C 31 3.Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined

### Remarks

FailureMode: 1 = C39: Cones on both ends; C1314: Conical Break, 5 = C39: Side fracture-opposite ends; C1314: Semi-Conical Break



Phone: (727) 868-9526 Fax: (727) 868-0094

## Report No: FC:0390309-22

Issue No: 1

Concrete Field Report

Client: SCS ENGINEERS

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/3/2011

**General Field Data** 

Technician: Edward Sylvester

Test Date: 12/29/2010 Weather: Clear

**Test Results** 

Set No. Specimens Ticket Time Batched Time Unloaded Cubic Yards Slump (in) Air Temp. (°F) Concrete Temp.

 Made
 Placed
 (°F)

 0390309-22-C1
 4
 59748
 12:35
 13:35
 9.0
 3.50
 58
 71

**CC: DOMINIQUE BRAMLETT** 

Location & Remarks

Set No. Location

General Location: CONCRETE BOX (TOP OF LANDFILL)

0390309-22-C1 STRUCTURAL CONCRETE BOX - CENTER OF LANDFILL - WEST SIDE

Mix Data

Set No. Supplier Mix Design Strength (psi)

0390309-22-C1 GULFCOAST 3500 R 3500

Notes	Remarks



Eng Certificate Of Authorization 3684 Phone: (727) 868-9526 Fax: (727) 868-0094

Report No: CON:0390309-22-C1

Issue No: 2

**Concrete Test Report** 

Client: **SCS ENGINEERS** 

**CC: DOMINIQUE BRAMLETT** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/27/2011

**Mix Data** 

Supplier

**GULFCOAST** 

Mix Identification

3500 R

Specified Design Strength (psi) 3500

at age 28 days

**Details of Sample** 

Date Sampled	12/29/2010	Date Received	12/30/2010	Slump (in)		Measured 3.50	Specified
<b>General Location</b>	CONCRETE !	BOX (TOP OF LAN	NDFILL)	Slump w/ plasticizer (in)		N/A	
Sample Location	STRUCTURA	L CONCRETE BO	X - CENTER OF	Air Temp (°F)		58	
Curing Method	One day Fiel	d/Laboratory Cure	•	Concrete Temp (°F)	ASTM C 1064	71	
Field Sample No		Field Cure Tem	p (°F) High	Air Content (%)	ASTM C 231		
			Low	Unit Weight (pcf)	ASTM C 138		
Contractor				Batch Size (yd³)		9	
Truck No.	103	Ticket No.	59748	Water Added (gal)	Before		
Sampled By	Edward Sylve	ester			After		
Submitted By				Time Batched		12:35	
Weather	Clear			Time Sampled		13:15	
Est. Wind (mph)		Yd ³ Placed	9.0	Time Placed		13:35	
Est. Rh (%)				Time In Truck (mins)		60	

## **Compressive Strength of Concrete Cylinders**

**ASTM C 39** 

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Specimen ID	Date Tested		Dimensions (in)		Area (in²)	Type of	Ultimate	Type of	Compressive	Required
		(days)	Diameter	Height		Сар	Load (lbf)	Fracture	Strength (psi)	Strength (psi)
0390309-22-C1\1	01/05/11	7	4.05	8.00	12.88		45766	5	3550	
0390309-22-C1\2	01/26/11	28	4.05	8.00	12.85		63422	3	4940	3500
0390309-22-C1\3	01/26/11	28	4.05	8.00	12.88		65897	5	5120	3500
0390309-22-C1\4		Hold								3500

Average 28 Day Compressive Strength (psi)

5030

#### Notes

1.Sampling to ASTM C 172

2.Specimen(s) Prepared to ASTM C 31
3.Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined

## Remarks

FailureMode: 3 = C39: Vert cracking/no cones; C1314: Cone & Split, 5 = C39: Side fracture-opposite ends; C1314: Semi-Conical Break



Phone: (727) 868-9526 Fax: (727) 868-0094

Concrete	<b>Field</b>	Re	port
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Client: **SCS ENGINEERS** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

Report No: FC:0390309-25

Issue No: 1

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Professional Service Industries, Inc.

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/10/2011

**General Field Data** 

Technician: Robert Byrns Test Date: 1/4/2011 Weather: Clear

Test Results

Set No. **Specimens Ticket** Time Batched Time Unloaded Cubic Yards Slump (in) Air Temp. (°F) Concrete Temp. Made Placed (°F) 0390309-25-C1 59791 14:40 15:13 9.0 4.00 67 77

**CC: DOMINIQUE BRAMLETT** 

Location & Remarks

Set No. Location

General Location: BOX CULVERT TOP

0390309-25-C1 BOX CULVERT TOP PHASE 3

Mix Data

Set No. Supplier Mix Design Strength (psi)

0390309-25-C1 GULFCOAST 3500 R 3500

Notes		Domeste
Notes	•	Remarks



Professional Service Industries, Inc. 16550 Scheer Blvd, Suite 1

Hudson, FL 34667

Eng Certificate Of Authorization 3684 Phone: (727) 868-9526

Fax: (727) 868-0094

## **Concrete Test Report**

SCS ENGINEERS

**CC: DOMINIQUE BRAMLETT** 

4041 PARK OAKS BLVD, SUITE 100

TAMPA, FL 33610

**Project: CITRUS COUNTY PH 3 EXPANSION** 

Report No: CON:0390309-25-C1

Issue No: 2

ASTM C 39

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 2/14/2011

**Mix Data** 

Supplier

**GULFCOAST** 

Mix Identification

3500 R

Specified Design Strength (psi) 3500

at age 28 days

#### **Details of Sample**

Date Sampled	1/4/2011	Date Received	d 1/5/2011			Measured	Specified
				Slump (in)		4.00	-
<b>General Location</b>	BOX CULVE	ERT TOP		Slump w/ plasticizer (in)		N/A	
Sample Location	BOX CULVE	ERT TOP PHASE	3	Air Temp (°F)		67	
Curing Method	One day Fig	eld/Laboratory Cu	ле	Concrete Temp (°F)	ASTM C 1064	77	
Field Sample No	·	Field Cure Te	mp (°F) High	Air Content (%)	ASTM C 231		
			Low	Unit Weight (pcf)	ASTM C 138		
Contractor				Batch Size (yd³)		9	
Truck No.	101	Ticket No.	59791	Water Added (gal)	Before		
Sampled By	Dan Ryan			,	After		
Submitted By	·			Time Batched		14:40	
Weather	Clear			Time Sampled		15:00	
Est. Wind (mph)		Yd³ Placed	9.0	Time Placed		15:13	
Est. Rh (%)				Time In Truck (mins)		33	

#### **Compressive Strength of Concrete Cylinders**

	Specimen ID Date Tested Age Dimensions (in) Area (in²) Type of Ultimate Type of									
Specimen ID	Date Tested	Age (days)	Dimensi Diameter	ons (in) Height	Area (in²)	Type of Cap	Ultimate Load (lbf)	Type of Fracture	Compressive Strength (psi)	Required Strength (psi)
0390309-25-C1\1	01/11/11	7	4.05	8.00	12.85		50994	5	3970	
0390309-25-C1\2	02/01/11	28	4.04	8.00	12.79		64892	5	5070	3500
0390309-25-C1\3	02/01/11	28	4.04	8.00	12.82		65520	5	5110	3500
0390309-25-C1\4		Hold								3500

Average 28 Day Compressive Strength (psi)

5090

#### Notes

1.Sampling to ASTM C 172

2.Specimen(s) Prepared to ASTM C 31
3.Capping B=Bonded ASTM C 617, U=Unbonded ASTM C 1231, C = Combined

#### Remarks

FailureMode: 5 = C39: Side fracture-opposite ends; C1314: Semi-Conical Break

#### **RESULTS OF LABORATORY TESTING**

Tested For: Dominique Bramlett

SCS Engineers

4041 Park Oaks Blvd., Suite 100

Tampa, FL 33610

Project:

Citrus County Landfill

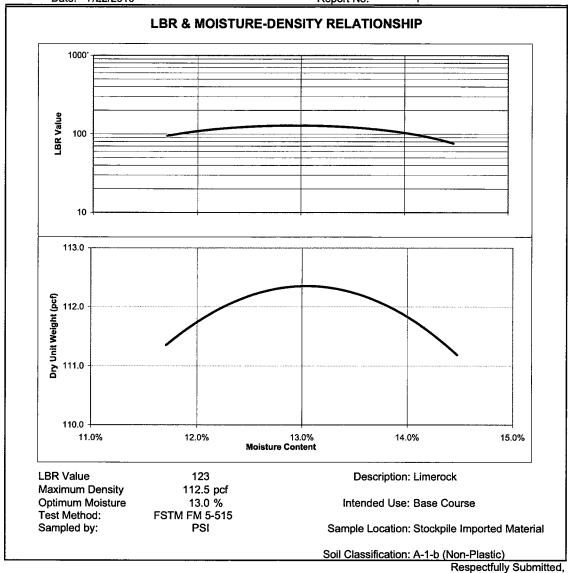
Phase 3 Expansion

Project No.

0390309

Date: 7/22/2010

Report No.



Professional Service Industries, Inc. Certificate of Authorization No. 3684

James Kenney Branch Manager Jeffrey H.M. Begovich, P.E. Senior Vice President Florida License No. 51869

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#### **RESULTS OF LABORATORY TESTING**

Tested For: Dominique Bramlett

SCS Engineers

4041 Park Oaks Blvd., Suite 100

Tampa, FL 33610

Project:

Citrus County Landfill

Phase 3 Expansion

Project No.

0390309

Date: 7/26/2010 Report No. LBR & MOISTURE-DENSITY RELATIONSHIP 1000 LBR Value 100 116.0 115.0 Dry Unit Weight (pcf) 114.0 113.0 112.0 11.0% 10.0% 12.0% 13.0% 14.0% 15.0% **Moisture Content** LBR Value 135 Description: Limerock Maximum Density 115.0 pcf Optimum Moisture 12.5 % Intended Use: Base Course Test Method: **FSTM FM 5-515** Sample Location: Roadway Sampled by: PSI

> Respectfully Submitted, Professional Service Industries, Inc. Certificate of Authorization No. 3684

James Kenney **Branch Manager**  Jeffrey H.M. Begovich, P.E. Senior Vice President Florida License No. 51869

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#### **FALLING HEAD PERMEABILITY**

Project No:

0390309-10

Tested By: KS

Project Name: Citrus Land Fill PH3

Date:

9/27/2010

Soil Classifaction (USCS)-(AASHTO): Orange Fine Sand

Location:

Roadway - off site metrial

for protective drainage said layer.

#### Length Measurements (Sample)

Length	(in.)	Diameter	(in.)
1-	4.561	1-	2.879
2-	4.524	2-	2.862
3-	4.508	3-	2.84
4-	4.489	4-	2.834
L=	4 5205	D =	2 85375

	<u>Measurements</u>	Density Cal	culations	Moisture Co	Moisture Content	
L _{avg} =	4.5205 (in)	Ws + Ww + Wc =	1402.12 (gms)	Ws + Ww + Wc =	111.11 (gms)	
D _{avg} =	2.85375 (in)	Wc=	453.45 (gms)	Ws + Wc =	103.83 (gms)	
A =	6.40 (in ² )	Ws + Ww =	948.67 (gms)	Ww =	7.28 (gms)	
A =	41.27 (cm ² )	Wet Density =	125.0 (PCF)	Wc =	50.16 (gms)	
L _{avg} =	11.48 (cm)	Dry Density =	110.1 (PCF)	Ws =	53.67 (gms)	
a =	1.87 (cm²)			Moisture Content =	13.6 (%)	
	· 3					

**V** = 473.8 (cm³)

#### #200 Sieve Wash Analysis

in the second	, <b>H</b> 12	H2	h	hf	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	D.Time K = (Sec) (cm/s)		
ľ	0	5	48	43	42	0.001363	Ws + Wc (Before) =	103.83 (gms)
	0	10	48	38	89	0.001366		
I	0	15	48	33	143	0.001364	Ws + Wc (After) =	102.86 (gms)
E	0	5	48	28	206	0.001362		
	0	5	48	43	42	0.001363	Wc =	50.16 (gms)

K _{avg} =	0.001363 (cm/sec)	K _{avg} =	3.8649471	(ft/day)	Ws (Before) =	53.67 (gms)
	06 1.363×103		5.2 K10-4 C1	~(sec	Ws (After) =	52.7 (gms)
	<b>,</b> , ,	(uok	len than		Percent Passing =	18%

Respectfully Submitted, Professional Service Industries, Inc.

> James Kenney Project Manager

#### **FALLING HEAD PERMEABILITY**

Project No:

0390309-14

Tested By: KS

Project Name: Citrus County Landfill, Phase 3

Soil Classifaction (USCS)-(AASHTO): Tan Fine Sand

Date:

11/1/2010

#### Length Measurements (Sample)

onsite material

Length	(in.)	Diameter	(in.)
1-	4.538	1-	2.885
2-	4.599	2-	2.875
3-	4.543	3-	2.854
4-	4.555	4-	2.864
L avo=	4.55875	D _{avq} =	2.8695

<u>Measurements</u>		Density Cal	culations	Moisture Content			
L _{avg} =	4.55875 (in)	Ws + Ww + Wc =	1424.09 (gms)	Ws + Ww + Wc =	104.12 (gms)		
D _{avg} =	2.8695 (in)	Wc=	458.7 (gms)	Ws + Wc =	96.95 (gms)		
A =	6.47 (in ² )	Ws + Ww =	965.39 (gms)	Ww =	7.17 (gms)		
A =	41.72 (cm ² )	Wet Density =	124.7 (PCF)	Wc =	38.74 (gms)		
L _{avg} =	11.58 (cm)	Dry Density =	111.1 (PCF)	Ws =	58.21 (gms)		
a =	1.95 (cm ² )			Moisture Content =	12.3 (%)		
V =	483.1 (cm ³ )						

#200 Sieve Wash Analysis

. H1.	H2	* ht	h <b>í</b>	Elapsed Time	DTime K;= √(Sec) *(cm/s)		
0	2	53.1	51.1	795		Ws + Wc (Before) =	96.95 (gms)
0	3	53.1	50.1	1214	2.59E-05		
0	4	53.1	49.1	1693	2.5E-05	Ws + Wc (After) =	92.08 (gms)
0	5	53.1	48.1	2183	2.45E-05		
0	2	53.1	51.1	795	2.61E-05	Wc =	38.74 (gms)

 $K_{avg} =$ 2.56E-05 (cm/sec) 0.0724367 (ft/day) K_{avg}= Spec 5.2 x10-4 cm/sec for protective cover

Ws (Before) = 58.21 (gms)

Ws (After) = 53.34 (gms)

Percent Passing = 8.4 %

#### **FALLING HEAD PERMEABILITY**

Project No:

0390309-15

Tested By: KC

Project Name: Citrus County Landfill, Phase 3

Soil Classification (USCS)-(AASHTO): I Light Tan F/S

Date:

11/5/2010

#### Length Measurements (Sample)

on site material

Length	(in.) [	Diameter	(in.)
1-	4.220	1-	2.887
2-	4.047	2-	2.876
3-	4.139	3-	2.871
4-	4.115	4-	2.869
L _{avg} =	4.130	D _{avg} =	2.876

<u>Measurements</u>		<u>Density Cale</u>	ty Calculations Moisture Content		
L avg=	4.13025 (in)	Ws + Ww + Wc =	1322.2 (gms)	Ws + Ww + Wc =	197.40 (gms)
D _{avg} =	2.87575 (in)	Wc=	457.03 (gms)	Ws + Wc =	177.68 (gms)
A =	6.50 (in ² )	Ws + Ww =	865.18 (gms)	Ww =	19.72 (gms)
A =	41.90 (cm ² )	Wet Density =	122.9 (PCF)	Wc =	32.05 (gms)
L _{avg} =	10.49 (cm)	Dry Density =	108.2 (PCF)	Ws =	145.63 (gms)
a =	1.95 (cm ² )			Moisture Content =	13.5 (%)
	400 0 ( 3)		•		

**V** = 439.6 (cm³)

 $K_{avg} =$ 

#200 Sieve Wash Analysis

en en	+ H2	, ht.,	inf	Elapsed Time	D Time	(≡ m./s)		
0	2	52.6	50.6	544	0.0	00035	Ws + Wc (Before) =	177.68 (gms)
0	3	52.6	49.6	815	0.0	00035		
0	4	52.6	48.6	1105	0.0	00035	Ws + Wc (After) =	169.97 (gms)
0	5	52.6	47.6	1386	0.0	00035		
			· .				Wc =	32.05 (gms)

K_{avg}=

material fails

2.802E-05 (cm/sec)

For protective drawage sand L= I. ZXIO compre -

0.0794346 (ft/day)

137.92 (gms) Ws (After) =

145.63 (gms)

Percent Passing = 5.3 %

Ws (Before) =



Professional Service Industries, Inc. 16550 Scheer Blvd, Suite 1 Hudson, FL 34667 Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

Report No:DFR:0390309-2/1

Client: **SCS ENGINEERS** 

4041 PARK OAKS BLVD

**SUITE 100** TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

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Approved Signatory: James Kenney (Branch Manager) Date of Issue: 8/2/2010

Date: 7/23/2010 Technician:

As requested, a representative of our firm arrived on site to perform field density testing. Upon arrival we were notified that testing was cancelled because the South Access Road was not ready.

Robert Byrns

CC: DOMINIQUE

**BRAMLETT** 



Professional Service Industries, Inc. 16550 Scheer Blvd, Suite 1 Hudson, FL 34667 Eng Certificate Of Authorization 3684

Phone: (727) 868-9526 Fax: (727) 868-0094

## Report No:DFR:0390309-20/1

Client:

**SCS ENGINEERS** 

4041 PARK OAKS BLVD

SUITE 100

TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

CC: DOMINIQUE **BRAMLETT** 

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Approved Signatory: James Kenney (Branch Manager) Date of Issue: 1/3/2011

Date:

12/21/2010

Technician:

Robert Byrns

As requested, a representative of our firm arrived on site and picked up two sets of previously molded specimens.



Professional Service Industries, Inc. 16550 Scheer Blvd, Suite 1 Hudson, FL 34667 Eng Certificate Of Authorization 3684 Phone: (727) 868-9526 Fax: (727) 868-0094

Report No:DFR:0390309-23/1

Issue No:1

Client: **SCS ENGINEERS** 

4041 PARK OAKS BLVD

SUITE 100 TAMPA, FL 33610 CC: DOMINIQUE **BRAMLETT** 

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Approved Signatory: James Kenney (Branch Manager) Date of Issue: 1/3/2011

Project: CITRUS COUNTY PH 3 EXPANSION

Date:

12/30/2010

Technician:

**Ed Sylvester** 

As requested, a representative of our firm arrived on site and picked up one set of previously molded specimens.



Professional Service Industries, Inc. 16550 Scheer Blvd, Suite 1 Hudson, FL 34667 Eng Certificate Of Authorization 3684 Phone: (727) 868-9526 Fax: (727) 868-0094

Report No:DFR:0390309-26/1

ssue No:

Client: SCS ENGINEERS

4041 PARK OAKS BLVD

SUITE 100 TAMPA, FL 33610

Project: CITRUS COUNTY PH 3 EXPANSION

CC: DOMINIQUE BRAMLETT

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Approved Signatory: James Kenney (Branch Manager)
Date of Issue: 1/10/2011

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Date: 1/

1/5/2011

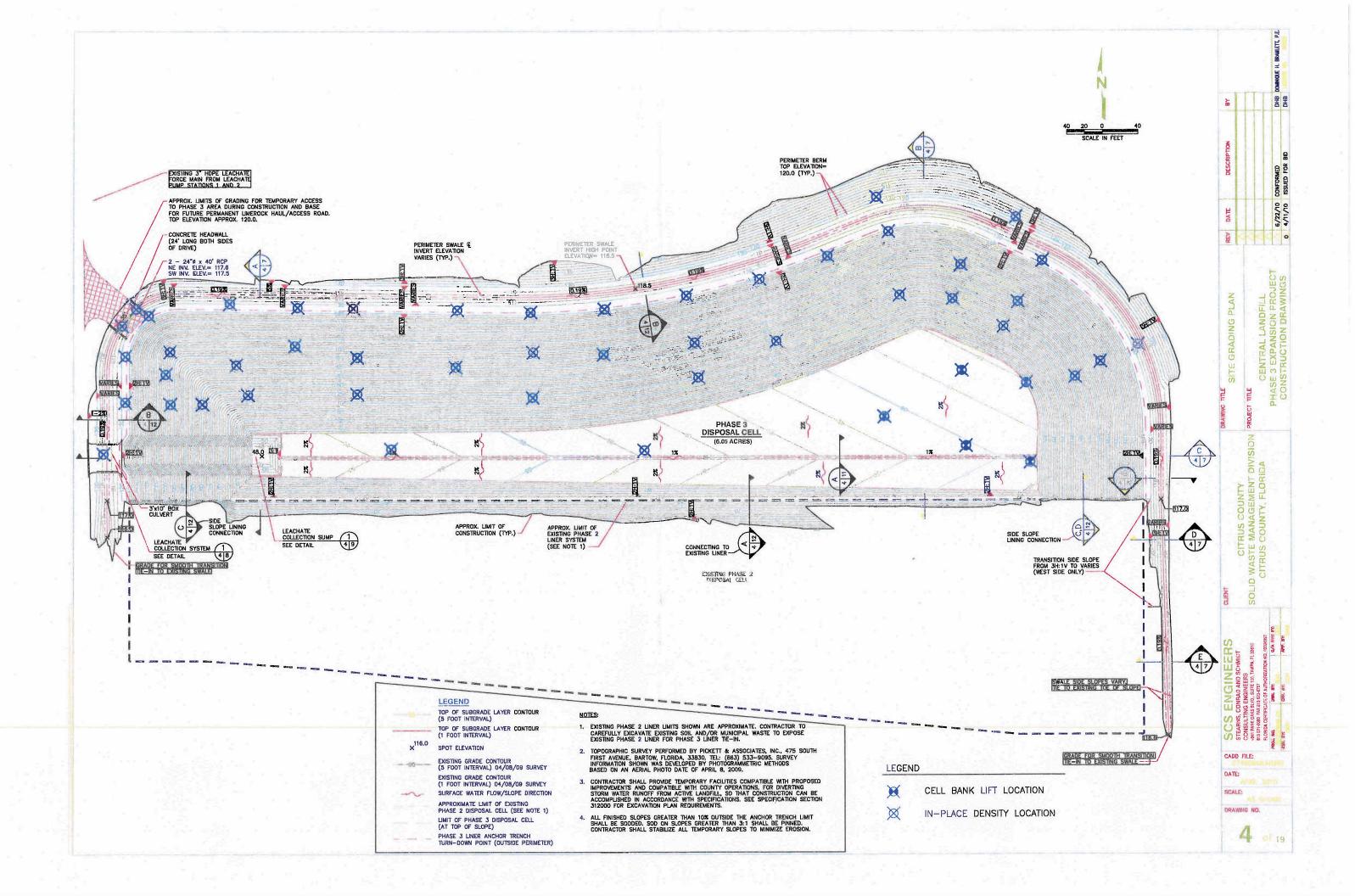
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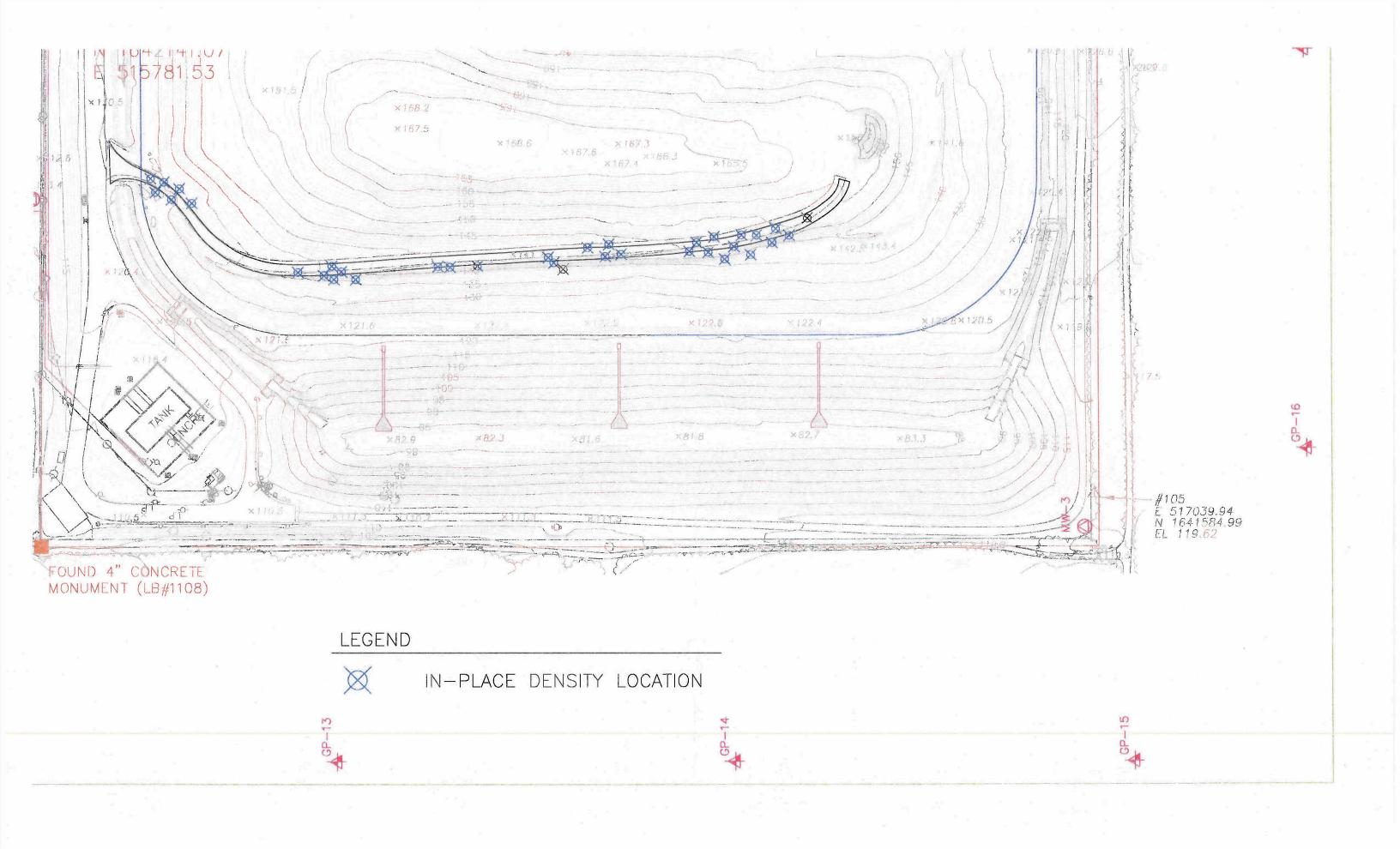
Ed Sylvester

As requested, a representative of our firm arrived on site and picked up one set of previously molded specimens.

Attachment 4-3

Universal Soil Testing







4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

CLIENT: Comonco					
PROJECT: Citrus (o. Land Fill	and the second second second second second second second second second second second second second second second				
PROJECT					
AREA TESTED: Fill & prop Rlw					
		W-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			****
COURSE: F/G		DEPTH	OF TEST	: 0-1	-
TYPE OF TEST: As 1M - 1 - 6938		DATE	TESTED:	7-22-10	
NOTE: The below tests DO DO NOT no of maximum density.					nts
REMARKS:		американ менен жанаракта бане <del>от представа до</del>		ogine od odkorenie same	
LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	MOIST.	OPT. MOIST.
App 75' East of Tierin	113.0	115.0	98.3	9.5	9.0
App. 650' East of Tie.in App. 650' East of Tie.in	1125		928	8.8	
Apr. 650 East of Tie in	113,3		98.5	10.1	
Ann 950 East of Tienn	1126		98.8	1.3	
Ayu. 1150 East of Trein	1132		984	9.0	
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REA TESTED: STS W grop. R/W					<u> </u>
ourse: F/a		DEPTH	OF TEST	: 0-1'	
YPE OF TEST: ASTM-0-6138	ng ama kapidangan papa dan dan dan papa (pingan paha) pamakan da da da paga panakan da da da paga panakan da da da paga panakan da da da paga panakan da da da paga panakan da da da paga panakan da da da paga panakan da da da paga panakan da da da paga panakan da da da paga panakan da da da paga panakan da da da paga panakan da da da paga panakan da da da paga panakan da da paga panakan da da paga panakan da da paga panakan da da panakan da da panakan da da panakan da da panakan da da panakan da da panakan da da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da panakan da	DATE	TESTED:	7-23-101	7-26-1
OTE: The below tests DO/DO-NOT meet the of maximum density.  EMARKS: ** Failwes and Refests	e minimum .	95 8 c	ompaction	requiremen	nts
LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT MOIS
Am 100' fast of trees	109.2	115.0	95.0	15.0	13.0
App. 100' East of tie-in App. 350' East of Tie-in	102.6		89.2	18.3	
Relest for above App. 350 East of Tie in A	109.3		95.0	10.1	
App. 700' East OF Tre-in A	107.4		93.4	10-3	
Retest for above App. 700' East of Trein At	1115		97.0	9.8	-
	107.4		95.1	9.2	
A. 950' East of Tie-in			99.0	11.7	-
App 950' East of Tie-in  App. 1,150' East of Tie an	1139			-	
App. 950' East of Tie in  App. 1.150' East of Tie in	113.9				
App. 950' East of Tie-in  App. 1,150' East of Tie an	113.7				
App. 1.150' East of Tie an	113.7				

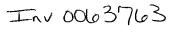


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CLIENT: Comanic	
PROJECT: Citive Co. Land Fill	
AREA TESTED: B/C V prop R/W	
COURSE: See - Below	DEPTH OF TEST: 06
TYPE OF TEST: ASIM-D 6938	DATE TESTED: 7-27-10
NOTE: The below tests 00/DO-NOT meet the of maximum density.	minimum <u>95</u> % compaction requirements
REMARKS: 95% Requirement by Cilia County ispe	obers and project plans

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	₹ MAX. DEN.	MOIST.	OPT. MOIST.
App. 1150 East of Trein 15t lift	111.2	1130	984	16.5	14.0
App 950' East of Trees 1st 1.71	108.4		95,9	11.8	
Arm 725 East OF Tie in 1st lift	110.6		97.9	10.9	
App. 315 East of Tion (# 1.11	113.1		1001	13 6	
App 60' East of The in 1st 1:19	112.6		99.6	13.4	
		g ya da kalifa san sanga an work pameronisan santo N-B.D.		on succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the succession of the successio	
Am. 60 East of Tie in FIG	113.3		100 3	13.8	
And 380' East of Trein Fla	113.5		100.4	13.5	
Ann. 700' East of Tiens FIG	113.2		100.2	15.0	
Ana 950' tast it Tieria Fla	1/2.9		999	14.2	
App. 60 East of Tie in F/G  App. 380' East of Tie.in F/G  App. 700' East of Tie.in F/G  App. 950' East of Tie.in F/G  App. 1140' East of Tie.in F/G	113.0		100.0	13.8	
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UNIVERSAL
ENGINEERING SCIENCES
Consultants in: Geotechnical Engineering • Environ

Consultants in: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspection
1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Project No.: Date: 1810.1000071.0000

July 30, 2010

#### Field and Laboratory Report Cover Page

# 07104101

Comanco Environmental Corporation 4301 Sterling Commerce Drive

Plant City, FL 33566

430 - 92440

Project:

**Client:** 

Citrus County Central Landfill, Phase III, S.R. 44, Inverness, FL

As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

#### **Scope of Work**

Type of Report	Report No.
Site Inspection	849926, 850422
In-Place Density Tests	849931, 849935, 849938

The results of the observations and or tests are summarized on the attached sheets. We hope this information is sufficient for your immediate needs. If you have any questions, please do not hesitate to contact the undersigned.

Reviewed By Universel Engineering Sciences, Inc. Certificate of Authorization No. 549

FL Profest open langinger No. 53986

Consultants in: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspection
1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Project No.: Report No.:

Date:

1810.1000071.0000

849926

July 28, 2010

#### Certificate of Authorization No. 549

#### REPORT ON SITE INSPECTION

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill, Phase III

Location:

S.R. 44, Inverness, FL

Inspected By:

Art Roscoe

Date Inspected:

07/21/10

#### **OBSERVATIONS:**

On July 21, 2010, a representative of Universal Engineering Sciences, Inc., visited the above referenced project to monitor and perform the following:

1. Obtained three (3) material samples to be returned to the UES Laboratory for further testing. The samples with be for the stabilized subgrade and the base course. One (1) sample from the site will be used to bring the future roadway to grade. Two (2) samples were obtained from the site and one (1) was obtained at a pit off site. This material will be used for pipe backfill.

Technician: AR/lm



Consultants In: Geotechnical Engineering, Environmental Sciences

Construction Materials Testing, Threshold Inspections, Private Provider Inspection

1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835 Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 849931

Date:

July 28, 2010

		REPORT	OF IN-PL	ACE [	ENSIT	YTES	τs∵ ·				
Client:	Comanco Environm 4301 Sterling Comn	•	ion	Proj	ect:		us Coun	ty Centra	ıl Landfil	, Phase III	
	Plant City, FL 33566						44 erness, F	·L			
AreaTested	Sanitary Structure F	uilding Pad ootings oadway urb	Subgra			eria	X Fill Backf Native		☐ si	merock abilization ther:	
Referenced	☑ Top ☐ Springline "OF" ☐ Bottom	x Fill ☐ Nativ		□s	ipe tructure erm		☐ Base ☐ Subg ☐ Othe				
Field Test	ASTM D-2937 Drive Cylinder Me  ASTM D-6938 Nuclear Gauge Mo  ASTM D-1556 Sand Cone Metho  ASTM D-558 Soil Cement Field F	ethod g	Testing V	STM D-69 ASHTO T	557 Modif 98 Standa 180 Modi 99 Standa	rd Procto fied Proc	or 🔲 tor	FM 5-51   ASTM D	5 LBR )-1883 CE	BR	
Report L	eft on Site? Yes (With W					Com	ipaction l	Requiren	nent = _ <u>{</u>	95%	
	Date Tested: 07/22/	10		Lab	Test Res	ults.		F	ield Tesi	Results	200
		10	epth or levation		aximum Lest (pct) & S ensity (pct)	ptimum toisture (%)	ret Density	Density:	d Sture (%)	iction	PASS L
Test No.		10	Depthior First ation	Sample Number	(Jod)	Optimum : 35 O Mosture (%)	Met Density (Bct)	ensity.	(d) = 100 (d/d)	Results	Market 1
	Location of Test	10		Sample Number	Maximum Density (pcf)	Optimum Moisture (%)		Dry: Density (pcf)	Field Moisture (%)	Compaction (%)	為此
1.	Location of Test Approximately 75' East of Tie-In	10	-1'-0	Sample Number	Maximum Density (pct)	o Optimum O Moistire (%)	123.7	(36) (36) (36) (31) (31)	.c. Field 9 Moisure (%)	Comparition (%)	FAIL PASS
1. 2.	*Location of Test Approximately 75' East of Tie-In Approximately 350' East of Tie-In		-1'-0 -1'-0	Sample Number	115.0 Density (pct)	O. O. Moisture (%)	123.7	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	9. Selection (%)	98 98	PASS PASS
1. 2. 3.	Location of Test Approximately 75' East of Tie-In Approximately 350' East of Tie-In Approximately 650' East of Tie-In		-1'-0 -1'-0 -1'-0	Sample Number	115.0 115.0 115.0	9.0 Moisture %)	123.7 122.4 124.7	A)sued (Job) 113.0 112.5 113.3	9.5 8.8 10.1	98 98 99	PASS PASS PASS
1. 2. 3. 4.	Location of Test Approximately 75' East of Tie-In Approximately 350' East of Tie-In Approximately 650' East of Tie-In Approximately 950' East of Tie-In		-1'-0 -1'-0 -1'-0	Sample Nample	115.0 115.0 115.0 115.0	9.0 9.0 9.0	123.7 122.4 124.7 124.2	Augustian (Job) 113.0 112.5 113.3 113.6	9.5 8.8 10.1	98 98 99 99	PASS PASS PASS PASS
1. 2. 3. 4.	Location of Test Approximately 75' East of Tie-In Approximately 350' East of Tie-In Approximately 650' East of Tie-In Approximately 950' East of Tie-In		-1'-0 -1'-0 -1'-0	Sample Nample	115.0 115.0 115.0 115.0	9.0 9.0 9.0	123.7 122.4 124.7 124.2	Augustian (Job) 113.0 112.5 113.3 113.6	9.5 8.8 10.1	98 98 99 99	PASS PASS PASS PASS
1. 2. 3. 4.	Location of Test Approximately 75' East of Tie-In Approximately 350' East of Tie-In Approximately 650' East of Tie-In Approximately 950' East of Tie-In		-1'-0 -1'-0 -1'-0	Sample Nample	115.0 115.0 115.0 115.0	9.0 9.0 9.0	123.7 122.4 124.7 124.2	Augustian (Job) 113.0 112.5 113.3 113.6	9.5 8.8 10.1	98 98 99 99	PASS PASS PASS PASS

# UNIVERSAL ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering, Environmental Sciences

Construction Materials Testing, Threshold Inspections, Private Provider Inspection

1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835 Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 849935

Date:

July 28, 2010

Client:	Comanco Environmental Corporat 4301 Sterling Commerce Drive Plant City, FL 33566	Mary Control	AGE E		Citr S.R		•	l Landfil	l, Phase III	
Area Tosted	Sanitary Pipe Building Pad Sanitary Structure Footings Storm Pipe X Roadway Storm Structure Curb	Subgra			Material	☐ Fill ☐ Backf ☐ Native		x s	merock tabilization ther:	
Referenced	□ Top		□ s	ipe tructure erm	    -	☐ Base  X Subg  ☐ Othe				
Field Test Performed	ASTM D-2937 Drive Cylinder Method  ASTM D-6938 Nuclear Gauge Method  ASTM D-1556 Sand Cone Method  ASTM D-558 Soil Cement Field Proctor	] Nesting A	STM D-69 ASHTO T	557 Modif 98 Standa 180 Modi 99 Standa	rd Procto fied Proc	or tor	FM 5-51 ASTM D		3R	
Report L	Left on Site? Yes (With Whom?) No (Reason?)				Com	paction l	Requiren	nent =	95%	
	Date Tested: 07/23/10		Lab	Test Res	uits"		F	ield Test	Results	
Test No		Depth or Elevation	Sample:	Maximum Density (pcf)	mum sture (%)	Density	Density	(%) ((%)	ction	PASS
	性 制度 (基本) Location of Test	l öö.	S Z	Ma	Opt Moi:	Wet (pcf)	Dry (pcf)	Field Moist	Compa (%)	FAL
1.	Approximately 100' East of Tie-In	-1'-0	- Sa	e M 115.0	13.0	125.6		Moist Moist	95	FAIL PASS
1. 2.		1			13.0 13.0	125.6 121.4	(pod)	Mise.	Con.	
<u></u>	Approximately 100' East of Tie-In	-1'-0	-	115.0			109.2	15.0	95	PASS
2.	Approximately 100' East of Tie-In  Approximately 350' East of Tie-In	-1'-0 -1'-0	-	115.0 115.0	13.0	121.4	109.2 102.6	15.0 18.3	95 89	PASS FAIL
2.	Approximately 100' East of Tie-In  Approximately 350' East of Tie-In	-1'-0 -1'-0	-	115.0 115.0	13.0	121.4	109.2 102.6	15.0 18.3	95 89	PASS FAIL
2.	Approximately 100' East of Tie-In  Approximately 350' East of Tie-In	-1'-0 -1'-0	-	115.0 115.0	13.0	121.4	109.2 102.6	15.0 18.3	95 89	PASS FAIL
2.	Approximately 100' East of Tie-In  Approximately 350' East of Tie-In	-1'-0 -1'-0	-	115.0 115.0	13.0	121.4	109.2 102.6	15.0 18.3	95 89	PASS FAIL
2.	Approximately 100' East of Tie-In  Approximately 350' East of Tie-In	-1'-0 -1'-0	-	115.0 115.0	13.0	121.4	109.2 102.6	15.0 18.3	95 89	PASS FAIL

Test Nos 2 and 3 Fail

Technician: AR/lm

## **UNIVERSAL ENGINEERING SCIENCES**

Consultants In: Geotechnical Engineering, Environmental Sciences

Construction Materials Testing, Threshold Inspections, Private Provider Inspection

1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835 Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 849938

Date:

July 28, 2010

	REP	ORT	OF IN-PI	ACE I	ENSIT	YTES	TS .	141	i i		
Client:	Comanco Environmental Co 4301 Sterling Commerce Dr Plant City, FL 33566	•	on	Proj	ect:	S.F	us Coun l. 44 erness, F	•	al Landfil	l, Phase III	
Area Jested	□ Sanitary Pipe       □ Building P         □ Sanitary Structure       □ Footings         □ Storm Pipe       ☒ Roadway         □ Storm Structure       □ Curb	°ad	Subgra		:	£.Material	Fill Backt Native		X St	merock abilization ther:	
Referenced From		] Fill ] Nativ ] Footi		□ s	ipe tructure erm		Base Subg				
Field Test	ASTM D-2937 Drive Cylinder Method  ASTM D-6938 Nuclear Gauge Method  ASTM D-1556 Sand Cone Method  ASTM D-558 Soil Cement Field Proctor	Laboratory	Testing V	STM D-69 ASHTO T	557 Modif 98 Standa 180 Modi 99 Stand	rd Procto	or 🔲	FM 5-51 ASTM D	15 LBR 0-1883 CE	BR	
Report L	eft on Site? Yes (With Whom?)  No (Reason?)					Com	paction l	Requiren	nent = <u> </u>	95%	
	Date Tested: 07/26/10			Lab	Test Res	ults		F	ield Test	Results	
Test No	Docation of Test		Depth or Elevation	Sample Number	Maximum Density (pcf)	Definition (%)	Vet Density pcf)	Dry Density (pct)	Field >	Compaction:	PASSI FAIL
1.	Approximately 350' East of Tie-In		-1'-0	-	115.0	13.0	120.3	109.3	10.1	95	PASS
2.	Approximately 700' East of Tie-In		-1'-0	-	115.0	13.0	122.4	111.5	9.8	97	PASS
3.	Approximately 950' East of Tie-In		-1'-0	-	115.0	13.0	119.5	109.4	9.2	95	PASS
4.	Approximately 1150' East of Tie-In		-1'-0	-	115.0	13.0	127.2	113.9	11.7	99	PASS
l					ľ						

Test Nos 1 and 2 are RETESTS

Technician: AR/Im

Consultants in: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspection
1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Project No.: Report No.:

Date:

1810.1000071.0000

850422

July 30, 2010

#### Certificate of Authorization No. 549

#### REPORT ON SITE INSPECTION

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill, Phase III

Location:

S.R. 44, Inverness, FL

Inspected By:

Art Roscoe

**Date Inspected:** 

07/29/10

#### **OBSERVATIONS:**

On July 29, 2010, a representative of Universal Engineering Sciences, Inc., visited the above referenced project to monitor and perform the following:

1. While in route to job site as scheduled Contractor contacted UES Representative to notify him that due to the previous nights rain the job would have to be rescheduled.

Technician: AR/Im



Consultants in: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspection
1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Project No.: Date: 1810.1000071.0000 August 5, 2010

## Field and Laboratory Report Cover Page

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III, S.R. 44, Inverness, FL

As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

## **Scope of Work**

Type of Report	Réport No.
Summary of Laboratory	850719
Moisture Density Relationship Test	850720, 850722
Limerock Bearing Ratio Test	850736-37, 850746
In-Place Density Tests	851492

The results of the observations and or tests are summarized on the attached sheets. We hope this information is sufficient for your immediate needs. If you have any questions, please do not hesitate to contact the undersigned.

Reviewed By,

Universal Engineering Sciences, Inc. Certification No. 549

Regional Manageros

FL Professional Engineer No. 53986



Project No: 1810.1000071.0000

850719 Report No:

Date:

August 5, 2010

Consultants In: Geotechnical Engineering, Environmental Sciences Construction Materials Testing, Threshold Inspections, Private Provider Inspection

1417 S.W. 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835 Certificate of Authorization No.

## SUMMARY OF LABORATORY RESULTS

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III, S.R. 44, Inverness, FL

SAMPLENG	SAMPLE DEPIH	SOIL DESCRIPTION	NATURAL MOISTURE(%)	ATTERLUMI LIMI (%)		COEFFICIENT OF PERMEABILITY (FTIDAN)	No. 34	No. 3/8	ALYS	No. 10	No. 40	No. 200	AASHTO SOIL CLASSIFICATION	UNIFIED SOIL.
1	Fill	Orange Sand with Clay	N/A	NP	NP	N/A			100	100	97	12		SP-SC
2	Fill	Tan Sand	N/A	NP	NP	N/A			100	100	98	2		SP
		Date Tested: 08/02/10												
							<u> </u>	<u> </u>	<u> </u>					

PROJECT NO: REPORT NO:

DATE:

PROJECT NO: 1810.1000071.0000

850720

8/2/2010

Consultant In: Geotechnical Engineering Environmental Sciences Construction Materials Testing Threshold Inspection Private Provider Inspection Geophysical Studies

1417 SW 15th Avenue, Ocala, Florida 34471 (352) 4019633

## REPORT OF MOISTURE - DENSITY RELATIONSHIP OF SOIL

**CLIENT:** 

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

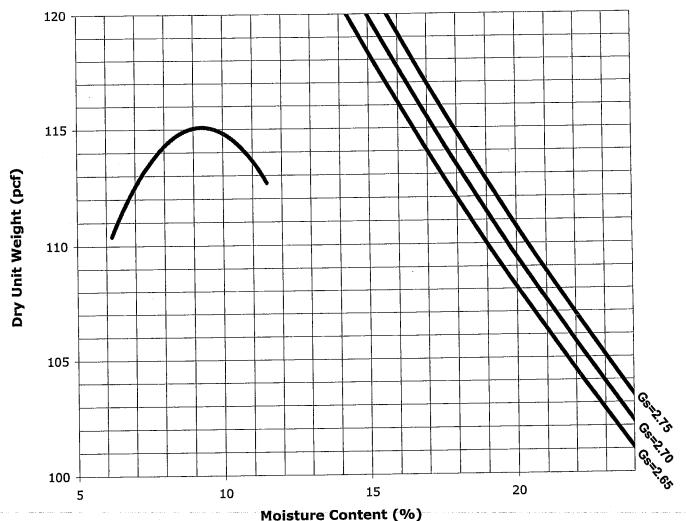
PROJECT:

Citrus County Central Landfill Phase III

S.R. 44, Inverness, FL

LOCATION: Fill Beneath Roadway

SUMMARY OF	TEST R	ESUI	LTS
TEST METHOD	AAS	HTO	Т99
MAX. DRY DENSIT	Υ	1	15
OPT. MOIST CONT	ENT		9
UNIFIED SOIL CLA	SS.	Uni	SP-SC
SOIL DESCRIPTIO	N:		
Orange Sand with Cl	ay		
FILL: X NAT	. GROUI	ND:	
% MINUS NO. 200	SIEVE		12



PROJECT NO: REPORT NO:

1810.1000071.0000 850722

DATE:

8/2/2010

Consultant In: Geotechnical Engineering • Environmental Sciences Construction Materials
Testing Threshold Inspection Private Provider Inspection Geophysical Studies
1417 SW 15th Avenue, Ocala, Florida 34471 • office (352) 401-9633 • fax (352) 401-1835

## REPORT OF MOISTURE - DENSITY RELATIONSHIP OF SOIL

CLIENT:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

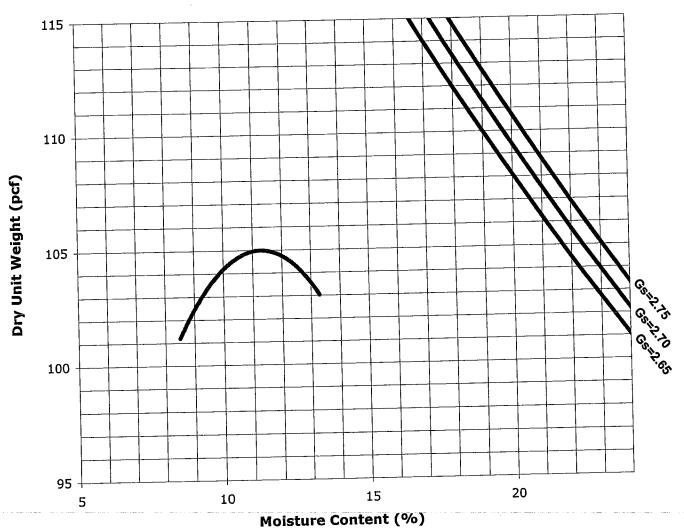
**PROJECT:** 

Citrus County Central Lanfill Phase III

S.R. 44, Inverness, FL

LOCATION: Fill Beneath and Above Pipe

SUM	MARY	OF T	ST R	ESUL	ΓS
TEST M	ETHO	D	AAS	HTO T	99
MAX. D				10	5
		CONTE	VT	1:	L
UNIFIE				SI	Ρ_
SOIL D	ESCRI	PTION			
Tan San	d				
FILL:	X	NAT.	GROUI	ND:	
% MIN	US NO	200 9	SIEVE		- :



ORDER NO: **REPORT NO:** 

1810.1000071.0000

DATE:

850736

8/2/2010

Respired Modern Sciences Construction Materials Testing Consultant In: Geotechnical Engineering Environmental Sciences Construction Materials Testing Threshold Inspection Private Provider Inspection Geophysical Studies 1417 SW 15th Avenue, Ocala, Florida 34471 (352) 4019633

## **REPORT OF LIMEROCK BEARING RATIO - FLORIDA METHOD 5-515**

**CLIENT:** 

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

PROJECT:

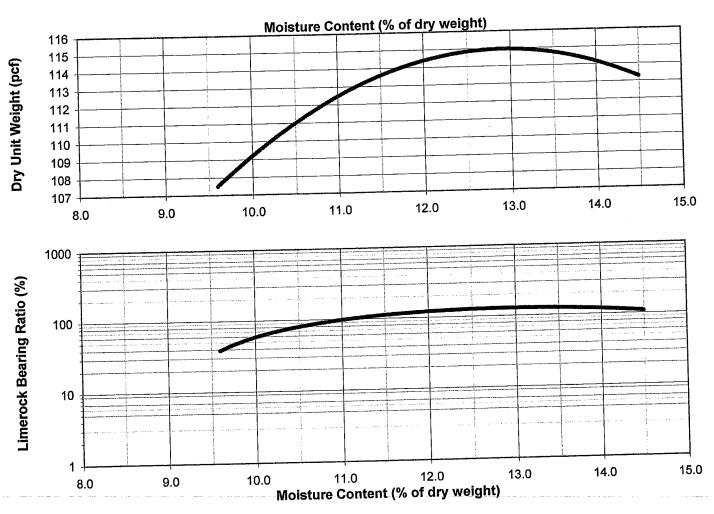
Citrus County Central Landfill Phase III

S.R. 44, Inverness, FL

LOCATION: Stabilized Subgrade Beneath Roadway

Stockpile On-site

SUMMARY OF TEST RESULTS				
TEST METHOD	FM	5-515		
LBR VALUE (%)		130		
MAX. DRY DENSIT	115			
OPT. MOIST CONT	13			
UNIFIED SOIL CL				
SOIL DESCRIPTION	N:			
Dark Brown Sand with Limerock				
FILL: NAT. GROUND:				
PERCENT MINUS NO. 200				



ORDER NO: **REPORT NO:** 

1810.1000071.0000 850737

8/2/2010 DATE:

Threshold Inspection Private Provider Inspection Geophysical Studies

1417 SW 15th Avenue, Ocala, Florida 34471 (352) 4019633

## REPORT OF LIMEROCK BEARING RATIO - FLORIDA METHOD 5-515

**CLIENT:** 

Comanco Environmental Corporation

4301 Sterlign Commerce Drie

Plant City, FL 33566

PROJECT:

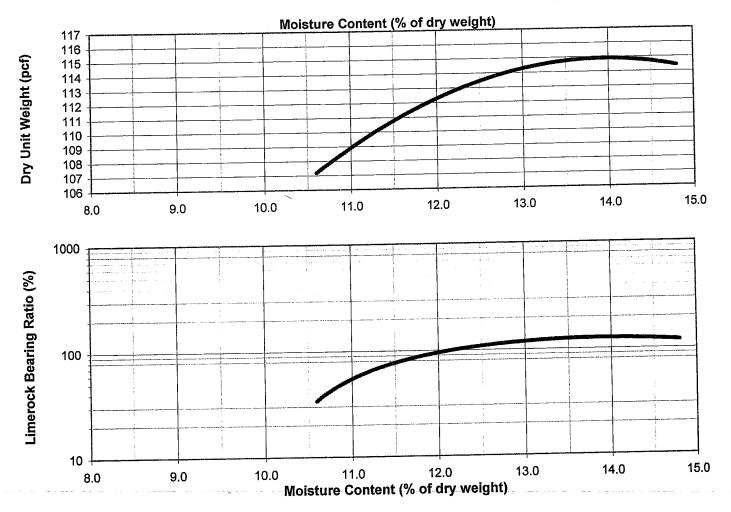
Citrus County Central Landfill Phase III

S.R. 44, Inverness, FL

LOCATION: Stabilized Subgrade Beneath Roadway

Stockpile On-Site

SUM	MARY OF	TEST R	ESULTS		
TEST M	ETHOD	FM	5-515		
LBR VALUE (%) 125					
MAX. DRY DENSITY 115					
OPT. M	OPT. MOIST CONTENT 14				
UNIFIE	UNIFIED SOIL CLASS.				
SOIL D	ESCRIPTIO	N:			
Dark Brown Sand with Limerock					
FILL:	FILL: NAT. GROUND:				
PERCENT MINUS NO. 200					



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DOCS No. 853688

ORDER NO: **REPORT NO:** 

1810.1000071.0000

DATE:

850746 8/2/2010

Consultant In: Geotechnical Engineering Environmental Sciences Construction Materials Testing Threshold Inspection Private Provider Inspection Geophysical Studies

1417 SW 15th Avenue, Ocala, Florida 34471 (352) 4019633

#### **REPORT OF LIMEROCK BEARING RATIO - FLORIDA METHOD 5-515**

**CLIENT:** 

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

**PROJECT:** 

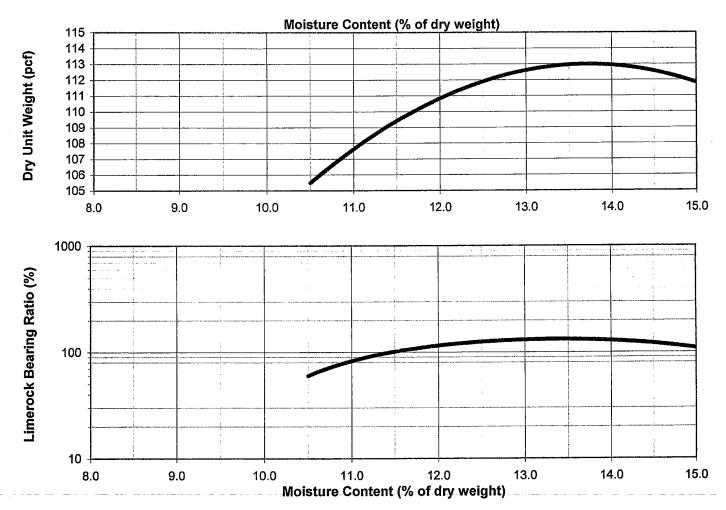
Citrus County Central Landfill Phase III

S.R. 44, Inverness, FL

**LOCATION:** Base Course Beneath Roadway

Stockpile

SUMMARY OF TEST RESULTS					
TEST METHOD FM 5-515					
LBR VALUE (%) 130					
MAX. DRY DENSITY 113					
OPT. MOIST CONTENT 14					
UNIFIED SOIL CLA	SS.				
SOIL DESCRIPTIO	N:				
Limerock					
FILL: NAT. GROUND:					
PERCENT MINUS NO. 200					



#### Sampled by AASHTO T-2

DOCS No. 853691

# V

## UNIVERSAL ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering, Environmental Sciences Construction Materials Testing, Threshold Inspections, Private Provider Inspection

Report No.: 851492

Date:

Project No:

1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

August 5, 2010

1810.1000071.0000

Certificate of	Authorization No. 549								
		REPOR	TOF	IN-PLAC	E DENSIT				
Client:		Environmental Corpo ng Commerce Drive FL 33566	ration		Project:	S.R. 4		Landfill Phase III	
Area Tested	Sanitary Pipe Sanitary Structure Storm Pipe Storm Structure	☐ Building Pad ☐ Footings ☑ Roadway ☐ Curb		Subgrade Other:		Material	Fill Backfill Native Embankment		
Referenced Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging Trigging T	Opringinio	J	ill lative ooting		☐ Pipe ☐ Structure ☐ Berm		Base Course Subgrade Other:		
FieldTest  Reformed	ASTM D-2937 Drive C ASTM D-6938 Nuclea ASTM D-1556 Sand C ASTM D-558 Soil Cer	r Gauge Method cone Method	Zaboratory Testing	ASTI	M D-1557 Mod M D-698 Stand HTO T180 Mod HTO T99 Stan	lard Proctor dified Proctor dard Proctor	<b></b>	)-1883 CBR	
Report Left o		es (With Whom?) (Reason?)				_ Compa _	action Requiren	nent = <u>95%</u>	
	Date Test	ed: 07/27/10	ovetranen Puny		Lab Test R	esulta:		ield Test Résults	

	Date Tested: 07/27/10		Lab Lab	iest Res	ilis		FI	eld Test I	Results	
		Depth or Elevation	Sample F Number	Maximum Density (pcf)	Optimum Noisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field ** Moistaire (%)	Compaction (95)	PASSI FAIL
Tëst No	Approximately 1150' East of Tie-In	0-6"	-	113.0	14.0	129.5	111.2	16.5	98	PASS
2.	Approximately 950' East of Tie-In	0-6"	-	113.0	14.0	121.2	108.4	11.8	96	PASS
3.	Approximately 725' East of Tie-In	0-6"	-	113.0	14.0	122.7	110.6	10.9	98	PASS
4.	Approximately 325' East of Tie-In	0-6"	-	113.0	14.0	128.5	113.1	13.6	100	PASS
5.	Approximately 60' East of Tie-In	0-6"	-	113.0	14.0	127.7	112.6	13.4	100	PASS
6.	Approximately 60' East of Tie-In	FG	-	113.0	14.0	128.9	113.3	13.8	100	PASS
7.	Approximately 380' East of Tie-In	FG	-	113.0	14.0	128.8	113.5	13.5	100	PASS
8.	Approximately 700' East of Tie-In	FG		113.0	14.0	130.2	113.2	15.0	100	PASS
	Approximately 950' East of Tie-In	FG	_	113.0	14.0	128.9	112.9	14.2	100	PASS
9.	Approximately 1140' East of Tie-In	FG	-	113.0	14.0	128.6	113.0	13.8	100	PASS



Project No.: Date:

1810.1000071.0000 August 12, 2010

Construction Materials Testing • Threshold Inspection • Private Provider Inspection 1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

#### Field and Laboratory Report Cover Page

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III, S.R. 44, Inverness, FL

As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

## Scope of Work

Type of Report	Report No.
Moisture-Density Relationship Test	852722, 852724

The results of the observations and or tests are summarized on the attached sheets. We hope this information is sufficient for your immediate needs. If you have any questions, please do not hesitate to contact the undersigned.

> ciences. Inc. ion No. 549 er No. 53986

PROJECT NO: REPORT NO:

PROJECT NO: 1810.1000071.0000

852722

08/12/10

DATE:

Consultant In: Geotechnical Engineering • Environmental Sciences Construction Materials
Testing Threshold Inspection Private Provider Inspection Geophysical Studies
1417 SW 15th Avenue, Ocala, Florida 34471 • office (352) 401-9633 • fax (352) 401-1835

## REPORT OF MOISTURE - DENSITY RELATIONSHIP OF SOIL

**CLIENT:** 

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

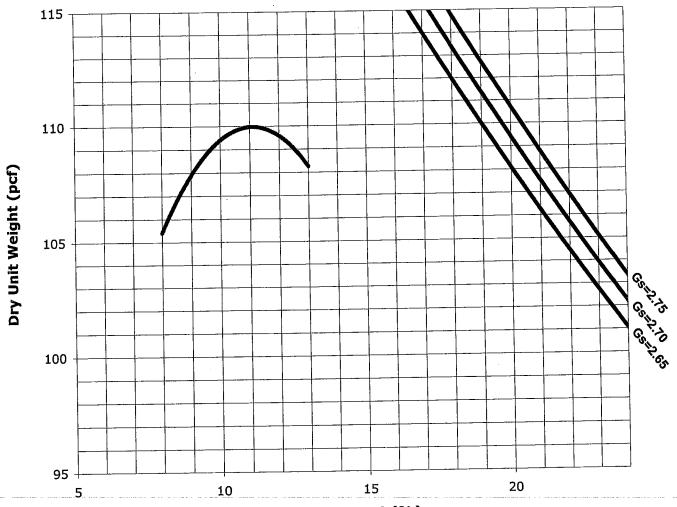
PROJECT:

Citrus County Central Landfill Phase III

S.R. 44, Inverness, FL

LOCATION: Imported Fill Beneath Future Road Cut

SUM	MARY OF TEST	RESULTS		
TEST M	ETHOD	T-180		
MAX. DRY DENSITY 110				
OPT. MOIST CONTENT 11				
UNIFIED SOIL CLASS.				
SOIL D	ESCRIPTION:			
Orange/	Red Sand			
FILL:	X NAT. GRO	UND:		
% MINUS NO. 200 SIEVE				



**Moisture Content (%)** 

Sampled by AASHTO T-2

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PROJECT NO: 1810.1000071.0000

852724 08/12/10

REPORT NO: DATE:

Consultant In: Geotechnical Engineering • Environmental Sciences Construction Materials Testing Threshold Inspection Private Provider Inspection Geophysical Studies

1417 SW 15th Avenue, Ocala, Florida 34471 ● office (352) 401-9633 ● fax (352) 401-1835

## REPORT OF MOISTURE - DENSITY RELATIONSHIP OF SOIL

**CLIENT:** 

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

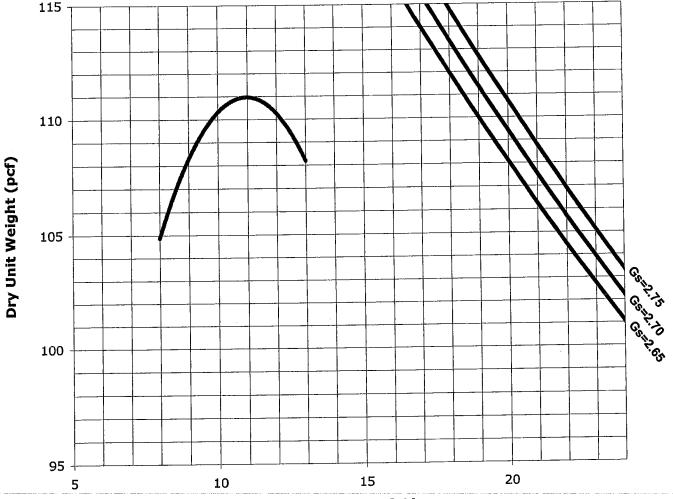
PROJECT:

Citrus County Central Landfill Phase III

S.R. 44, Inverness, FL

**LOCATION:** Natural Ground Beneath Future Road Cut

SUMMA	RY OF TEST	RESULTS		
TEST MET	HOD	T180		
MAX. DRY	DENSITY	111		
OPT. MOIST CONTENT 11				
UNIFIED S	OIL CLASS.			
SOIL DESC	RIPTION:			
White Sand				
FILL:	NAT. GROU	ND: X		
% MINUS	NO. 200 SIEV			



**Moisture Content (%)** 

## **UNIVERSAL ENGINEERING SCIENCES**

Consultants In: Geotechnical Engineering, Environmental Sciences Construction Materials Testing, Threshold Inspections, Private Provider Inspection 1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Certificate of Authorization No. 549

Project No: 1810.1000071.0000

857632 Report No.:

September 10, 2010 Date:

Florida PH.IND 53986

		REPORT	UP IIN-PE	(OE D							
Ctient: Comanco Environmental Corporation 4301 Sterling Commerce Drive		Proje	ct:	Citru S.R.		Central	Landfill,	Phase III			
	Plant City, FL 335						ness, FL	-			
Area Testod	Sanitary Pipe Sanitary Structure Storm Pipe Storm Structure	Building Pad Footings Roadway Curb	Subgrad	de	Research	Nateral				erock bilization er:	
Referenced From	☐ Top ☐ Springline "OF" ☑ Bottom		ing	☐ Be	ructure erm			ade :			
Field Test Performed	ASTM D-2937 Drive Cylinder N  ASTM D-6938 Nuclear Gauge  ASTM D-1556 Sand Cone Met  ASTM D-558 Soil Cement Fiel	Method thod		STM D-69 ASHTO T	57 Modifi 8 Standai 180 Modif 99 Standa	d Proctor ied Proctor and Procto	r 🔲 or or	FM 5-516 ASTM D	-1883 CB		
Report L	eft on Site? Yes (With No (Rease	****				Com	paction F	Requirem	ent = <u>9</u>	<u>8%</u>	
	Date Tested: 08/1	13/10		Lab	rest Res	ült <b>e</b>		F	leld Test	Results	
TAN NA			Depth or Elevation		Maximum Density (pcf) 2 2	Optinum si Mosfine (%)	Wei.Dersity (pci)	Dry Density (Dcd)	Working (%)	Results  Workship (%)	PASS:
Teat No.			0-1-	Sample Number		uite (%) einstein mainting (M)	Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista (Caranta Aista	Density	(%) and	paction	
	Location of Tea	it = Bank		Sample Number	Meximum Density (pef)	Optinum Mostarie (%)	35.2	Dry Demsity (Ped)	Feld Mosque (%)		FAIL
1.	Location of Tea Approximate East Side of Cell I	Ti Bank	0-1'	Sample Number	Maximum Maximum 110.0	Optimum Optimum Morstine (%)	119.7	No Denzina Do Denzina 109.1	9.7	General Section 1	FAIL PASS
1.	Location of Tea Approximate East Side of Cell t Approximate West Side of Cell	it Bank Bank Bank	0-1' 0-1'	Sample 1 Vamber	110.0 110.0	11.0 11.0	119.7	109.1 109.6	9.7 11.0	99	PASS PASS
1. 2. 3.	Location of Tea Approximate East Side of Cell to Approximate West Side of Cell Approximate East Side of Cell	Bank Bank Bank Bank	0-1' 0-1' 1'-2'	Santile Santile Number	110.0 110.0	11.0 11.0	119.7 121.7 118.6	109.1 107.8	9.7 11.0	99 100 98	PASS PASS
1. 2. 3. 4.	Location of Tea Approximate East Side of Cell to Approximate West Side of Cell Approximate East Side of Cell Approximate West Side of Cell	it Bank Bank Bank Bank	0-1' 0-1' 1'-2' 1'-2'	Sequences Ordinary Programs	110.0 110.0 110.0	11.0 11.0 11.0	119.7 121.7 118.6 118.8	109.1 109.6 107.8	9.7 11.0 10.0	99 100 98 98	PASS PASS PASS
1. 2. 3. 4.	Approximate East Side of Cell Approximate East Side of Cell Approximate East Side of Cell Approximate West Side of Cell Approximate West Side of Cell Approximate East Side of Cell Approximate East Side of Cell	it Bank Bank Bank Bank	0-1' 0-1' 1'-2' 1'-2' 2'-3'	Saguina Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs J	110.0 110.0 110.0 110.0	11.0 11.0 11.0	119.7 121.7 118.6 118.8 120.3	109.1 109.6 107.8 107.9	9.7 11.0 10.0 9.6	99 100 98 98 100	PASS PASS PASS PASS
1. 2. 3. 4.	Approximate East Side of Cell Approximate East Side of Cell Approximate East Side of Cell Approximate West Side of Cell Approximate West Side of Cell Approximate East Side of Cell Approximate East Side of Cell	it Bank Bank Bank Bank	0-1' 0-1' 1'-2' 1'-2' 2'-3'	Saguina Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs Jacobs J	110.0 110.0 110.0 110.0	11.0 11.0 11.0	119.7 121.7 118.6 118.8 120.3 120.1	109.1 109.6 107.8 107.9	9.7 11.0 10.0 10.1 9.6 9.9	99 100 98 98 100	PASS PASS PASS PASS

Technician: JR/Im



4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

(20)	Slauce a			~
PROJECT: CHRUS Langill	TOCHOLL			
PROJECT: (Hrus Landill	. (CELL BANK		<u> </u>	· · · · · · · · · · · · · · · · · · ·
AREA TESTED: FILL V POP (	Cell Bank			
COURSE: See below		DEPTH OF TEST	· 01	
TYPE OF TEST: ASTM-D- 69	38	DATE TESTED:	9-15-	9-16
NOTE: The below tests DO/DO N of maximum density.		95 % compaction	requireme	nts
REMARKS:				
			· · ·	
	1 550	T MAY TO MAY	0	OPT

	LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
			110.0			11.0
	Approx 125'co+75'n from Se Corper of Ba.	1K 105.9		96.3	9.6	
7-15	APPROX 125W + 85N Y Y Y	106.9		97.2	11.0	
	APPOX DOSWIRON Y Y Y	108.5		98.6	10.1	
	APPROX 300W + 850 Y Y Y	108.7		988	9.60	
CANAL SERVICE VALUE	ADTOX 30500 870 Y Y	107.0		97.3	9.4	
7-16	Mon oc lines V Va V	104.8		95.3	5.6	
- 59	AMON 325W+175N Y Y Y	107.2		97.5	83	
58		108.2		98.3	11,0	
57	V 225W+150N V V V	109.9		99.9	1.8	
						V
			<u> </u>			
		10 000 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
						4404

TECH. ________



Project No.: Date: 1810.1000071.0000 September 22, 2010

#### Field and Laboratory Report Cover Page

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III, S.R. 44, Inverness, FL

As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

#### **Scope of Work**

Type of Report	Report No.
Site Inspection	859776, 859780
In-Place Density Tests	859779, 859782

The results of the observations and or tests are summarized on the attached sheets. We hope this information is sufficient for your immediate needs. If you have any questions, please do not hesitate to contact the undersigned.

Reviewed By
Universal Endineering Sciences, Inc.
Certificate Br. Anthorizetion No. 549

FL'Professional Engineer No. 53986

Consultants in: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspection
1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Project No.: Report No.:

Date:

1810.1000071.0000

859776

September 22, 2010

## Certificate of Authorization No. 549

## REPORT ON SITE INSPECTION

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III

Location:

S.R. 44, Inverness, FL

Inspected By:

Jeff Reed

Date Inspected:

09/15/10

## **OBSERVATIONS:**

On September 15, 2010, a representative of Universal Engineering Sciences, Inc., visited the above referenced project to monitor and perform the following:

1. Performed In-Place Density Tests as required for the Cell Bank.

See In-Place Density Tests Report No. 859779 for test locations and results.

Technician: JR/Im



# UNIVERSAL

☐ No (Reason?)

Consultants In: Geotechnical Engineering, Environmental Sciences

Report No.: 859779

Project No:

Date:

Construction Materials Testing, Threshold Inspections, Private Provider Inspection 1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835
Certificate of Authorization No. 549

1810.1000071.0000

September 22, 2010

Certificate of	Authorization No. 54	Ð					
	All Property of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the C		EPORTI OF IN	PLACE DENSITY	TESTS		
Client:	4301 Ste	Environmenta rling Commerc v, FL 33566		Project:	Citrus County Centr S.R. 44 Inverness, FL	al Landfill Phase III	
Areas Hested	Sanitary Pipe Sanitary Structure Storm Pipe Storm Structure	_	gs 🗓 Ot	ibgrade her: Cell Bank	X Fill   Backfill   Native   Embankment	Limerock Stabilization Other:	
Referenced T	Top Springline Bottom	"OF"		☐ Pipe ☐ Structure ☐ Berm	☐ Base Course ☐ Subgrade ☐ Other:		
Eerformed X	ASTM D-2937 Drive ASTM D-6938 Nuclea ASTM D-1556 Sand ASTM D-558 Soil Ce	ar Gauge Metho Cone Method	aborator	ASTM D-1557 Modified ASTM D-698 Standard AASHTO T180 Modified AASHTO T99 Standard	Proctor ASTM ASTM	515 LBR D-1883 CBR	
Report Left o	on Site? □ Y	es (With Whor	n?)		Compaction Require	ement = 95%	

		Date Tested: 09/15/10		Lai,	Test Res	ults	Field Test Results				
	Z.	L'ocation of Test	Depth or Elevation	Sample S Number	Maximum Density (pcf)	Optimum Moisture (%)	Wer Density (pcf)	O'ry Density (pori)	Field (%)	Compaction (%)	PASS FAIL
	1.	Approximately 125' West and Approximately 75' North of Southeast Corner of Bank	43	-	110.0	11.0	116.1	105.9	9.6	96	PASS
	2.	Approximately 125' West and Approximately 85' North of Southeast Corner of Bank	44	-	110.0	11.0	118.7	106.9	11.0	97	PASS
	3.	Approximately 225' West and Approximately 80' North of Southeast Corner of Bank	45	-	110.0	11.0	119.5	108.5	10.1	99	PASS
r	4.	Approximately 300' West and Approximately 85' North of Southeast Corner of Bank	46	-	110.0	11.0	119.1	108.7	9.6	99	PASS
	5.	Approximately 325' West and Approximately 87' North of Southeast Corner of Bank	47	-	110.0	11.0	117.1	107.0	9.4	97	PASS
	6.	Approximately 250' West and Approximately 125' North of Southeast Corner of Bank	48	-	110.0	11.0	110.7	104.8	5.6	95	PASS
-							 				
-			· · ·								
	<u> </u>										

Note: Elevations Provided by Others

Technician: JR/Im

Consultants in: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspection
1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Project No.: Report No.:

Date:

1810.1000071.0000

859780

September 22, 2010

## Certificate of Authorization No. 549

## REPORT ON SITE INSPECTION

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III

Location:

S.R. 44, Inverness, FL

Inspected By:

Jeff Reed

Date Inspected:

09/16/10

## **OBSERVATIONS:**

On September 16, 2010, a representative of Universal Engineering Sciences, Inc., visited the above referenced project to monitor and perform the following:

Performed In-Place Density Tests as required for the Cell Bank.

See In-Place Density Tests Report No. 859782 for test locations and results.

Technician: JR/lm

# UNIVERSAL ENGINEERING SCIENCES Consultants In: Geotechnical Engineering, Env

Consultants In: Geotechnical Engineering, Environmental Sciences
Construction Materials Testing, Threshold Inspections, Private Provider Inspection

1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

REPORT OF IN-PLACE DENSITY TESTS

Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 859782

Date:

September 22, 2010

Client:	Comanco Environmental Corporati		Proje						Phase III	
<b>-</b>	4301 Sterling Commerce Drive		-		S.R.					
	Plant City, FL 33566				Inve	rness, Fl	L.			
ArealTested	□ Sanitary Pipe       □ Building Pad         □ Sanitary Structure       □ Footings         □ Storm Pipe       □ Roadway         □ Storm Structure       □ Curb	Subgra  Other:	ide Cell Bank		Waterial	Fill Backfil Native Embai		☐ Sta	nerock abilization ner:	
Referenced From	▼ Top     ▼ Fill     Springline "OF"			pe ructure erm	] [] []	Base ( Subgr				
FIEGUSEST Performed	ASTM D-2937 Drive Cylinder Method  ASTM D-6938 Nuclear Gauge Method  ASTM D-1556 Sand Cone Method  ASTM D-558 Soil Cement Field Proctor	Testing V	STM D-15 STM D-69 ASHTO T ASHTO T	8 Standa 180 Modi	rd Procto fied Proct	or 🔲	FM 5-51: ASTM D	5 LBR -1883 CB	R	
Report Le	eft on Site? Yes (With Whom?)  No (Reason?)				Com	paction F	Requirem	nent = _9	5%	
	Date Tested: 09/16/10		Lale	Test Res	ults		15	ield Test	Results	
Test No.	Location of Test	Depth or Elevation	Sample: Number:	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density pol)	Dry Density	Field · · · · · · · · · · · · · · · · · · ·	Compaction (90)	PASS FAIL
1.	Approximately 325' West and Approximately	59	-	110.0	11.0	116.1	107.2	8.3	97	PASS
2.	175' North of Southeast Corner of Bank Approximately 225' West and Approximately 160' North of Southeast Corner of Bank	58	-	110.0	11.0	120.1	108.2	11.0	98	PASS
3.	Approximately 225' West and Approximately 150' North of Southeast Corner of Bank	57	-	110.0	11.0	119.6	109.9	8.8	100	PASS
						-				

Note: Elevations Provided by Others

Technician: JR/Im



Project No: 1810.1000071.0000

Report No: 860801

Date:

September 28, 2010

Consultants In: Geotechnical Engineering, Environmental Sciences
Construction Materials Testing, Threshold Inspections, Private Provider Inspection
1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835
Certificate of Authorization No. 549

## SUMMARY OF LABORATORY RESULTS

Cllent:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III, S.R. 44, Inverness, FL

<u>ó</u> .	#: 		(%)	ATTER LIM	BIERG TŞ	Ġ.	SII	VE AN	VALYS	IS (%)	gassii)	(9)	NOIL TION	00F 100N
oN <u>≘⊤di</u> wyS	SAMPLE () = (F1)	SOLDESORIPTION	NATURAL Moisture (?	(%) FIGER LIMIT	PLASTICITY INDEX (%)	Permeability (CNISEO)	No. 4	No. 70	No. 40	NG 60	No. 100	No. 200	AASHTO GLASSIFIC	UNIFIEDS GLASSIFIO
2.		Tan Sand				6.25x10 ⁻³								
		Reference Report No. 850719 for other test results												
												1011 1011 1011	L. Bld	[[]] [] []
								<u> </u>			33		CHM	

*SS-Split Spoon ST-Shelby Tube A-Auger

Signed:

Regional Manageo R 101
Florida 12 E No. 53986

Technician: /im

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## REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

CLIENT: Comanio	
PROJECT: Contract Contract	
AREA TESTED: Des la partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir partir par	
TYPE OF TEST: Asin 1 (938	DATE TESTED: 12 4 16
NOTE: The below tests DO/DO NOT meet the minimum of maximum density.	95 % compaction requirements
REMARKS:	

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
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An low North of Train	1.0.1		100 L	73	
An loo North of The in	108.1		983	86	
700 50 Strip (N.A. Stope)	FIT			and growing many	
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A on low West of N. E. Course	1076		978	11.0	
Face el stope (En 1 Store)					
Apple No. 11. of The and Apple Aous Supe	108.4		98.	11.6	
1.30 yelle	7077		979	29	
April 100 Noin a Dena (A) Down stope	106. 7		972	6.9	
10 0p Stape	108.4		96	8.1	
Car it style ( North style)					
Air las wester N.E Cours ( 4, 2) Diversione	106		965	11-1-5	
Aprilad Westerd N.E Course (4, 2) Dewnstone -	106 4		967	10.3	
A 1 do well a Alt cour a day 25 Down stope	116)		96 8	700	
App 10° west a Alteronia a a gr. 25 Down stope	126 2		96	9.7	
					440

TECH. _



Project No.: Date:

1810.1000071.0000 October 7, 2010

## Field and Laboratory Report Cover Page

Client:

**Comanco Environmental Corporation** 

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III, S.R. 44, Inverness, FL

As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

## Scope of Work

Type of Report	Report No.
Site Inspection	862572, 862735
In-Place Density Tests	862577, 862738

The results of the observations and or tests are summarized on the attached sheets. We hope this information is sufficient for your immediate needs. If you have any questions, please do not hesitate to contact the undersigned.

> Hinaefing Sciences, Inc. Mon No. 549

gineer No. 53986

Consultants In: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspection
1417 SW 15th Avenue • Ocala • Florida • 34471 • P. (352) 401-9633 • F. (352) 401-1835

Project No.: Report No.:

Date:

1810.1000071.0000

862572

October 7, 2010

## Certificate of Authorization No. 549

## REPORT ON SITE INSPECTION

**Client:** 

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill, Phase III

Location:

S.R. 44, Inverness, FL

Inspected By:

Art Roscoe

Date inspected:

10/04/10

## **OBSERVATIONS:**

On October 4, 2010, a representative of Universal Engineering Sciences, Inc., visited the above referenced project to monitor and perform the following:

1. Performed In-Place Density Tests as required beneath the roadway.

See In-Place Density Tests Report No. 862577 for test locations and results.

Technician: AR/Im

# **UNIVERSAL**

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Certificate of Authorization No. 549

1810.1000071.0000 Project No:

862577 Report No.:

October 7, 2010 Date:

	REPORT	JE IN-PU	ACEU	ENSIL	<b>经验的</b>	<b>经验</b> 企业					
Client:	Comanco Environmental Corporati	on	Proje	ct:		•	/ Central	Landfill	Phase III		
	4301 Sterling Commerce Drive				S.R.						
	Plant City, FL 33566				inve	rness, Fl	<u> </u>				
	Sanitary Pipe Building Pad	☐ Subgra	đe	ĺž	5 J	[] Fill		Lin	nerock		
# 8	Sanitary Structure Footings	Other:		i i		⊐ T Backfil	ı	☐ Sta	ibilization		
	Storm Pipe X Roadway	ш		Š	Materia	□ □ Native		Oti	her:		
2	Storm Structure Curb			2		 Embar	nkment				
				<u> </u>	SHIPPERSON .	<del></del>					
73	X Top X Fill		☐ Pi	pe	٢	Base (	Course				
5.5	Springline "OF" Nativ	е		ructure	Ī	Subgi	ade				
	☐ Bottom ☐ Footi		— □ Be	erm	Ī	Other	:				
C		Ū									
	ASTM D-2937 Drive Cylinder Method	⊠ ⊓ AS	STM D-15	57 Modific	ed Procto	or 🔲	FM 5-51	5 LBR			
5	ASTM D-6938 Nuclear Gauge Method  ASTM D-698 Standard Proctor  ASTM D-1883 CBR										
50	ASTM D-1556 Sand Cone Method		ASHTO T	180 Modif	led Proct	or					
E B	ASHTO T99 Standard Proctor										
					_						
Report L	eft on Site?				Com	paction F	Requirem	ent = _8	5%		
	☐ No (Reason?)										
			Processor Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Contract Co	ni Gazarania na		-0220000000				200000000000	
	Date Tested: 10/04/10	i	Lab	Test Res	ulte		F	leld Test	Results		
							1.00				
				B	<u>.</u> 8	Ŷ.	fs	8	ğ	PASS	
		JO IGE	e je	<b>20</b>		8	å '		ğ	FAIL	
		Depth or Elevator	Samole Number	Maximu Density	Optimum Wolsture	Wet Density (DCD)	88	Field			
TeacNo	Location of Tost	O m	0.2		-0 Z					24/20/2002	
1	TOP OF SLOPE, EAST SLOPE										
1,	Approximately 100' North of Tie-In	-1'-0	_	110.0	11.0	118.1	110.1	7.3	100	PASS	
- '-	Approximately 160 Notifi of 116-11					, , , , , ,					
2.	Approximately 200' North of Tie-In	-1'-0	- '	110.0	11.0	117.4	108.1	8.6	98	PASS	
<u> </u>			ļ							<del></del>	
	TOP OF SLOPE, NORTH SLOPE		<b>i</b>								
<u> </u>		4.5		110.0	11.0	120.2	109.4	9.9	99	PASS	
3.	Approximately 100' West of Northeast Corner	-1'-0		110.0	11.0	120.2	เพช.4	7.8	30	1,700	
4.	Approximately 200' West of Northeast Corner	-1'-0		110.0	11.0	119.4	107.6	11.0	98	PASS	
	pproximately 200 1700t of 170101000t Control		<u> </u>							<del> </del>	
	FACE OF SLOPE, EAST SLOPE										
<del></del>	Approximately 100' North of Tie-In and		<b> </b>	4400	11.0	404.0	108.4	11.6	99	PASS	
5.	Approximately-20'-Down-Slope	-1'-0	-	110.0	11.0	121.0	100.4	11.0	28	1,400	
6.	Approximately 100' North of Tie-In and	-1'-0		110.0	11.0	116.2	107.7	7.9	98	PASS	
J.	Approximately 30' Up Slope	<u> </u>	ļ					<del> </del>		ļ	
7.	Approximately 200' North of Tie-In and Approximately 25' Down Slope	-1'-0	-	110.0	11.0	114.3	106.9	6.9	97	PASS	
ı	IMPHOVILLATER TO DOMIT OICHE	1	ł	I	I	l	L	1	<u> </u>		



Consultants In: Geotechnical Engineering, Environmental Sciences
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Report No.: 862577

Date:

October 7, 2010

## REPORT OF IN PLACE DENSITY TESTS

	Date Tested: 10/04/10		Lab	Test/Res		Field Test Results				
TIOS UNO	Location of Tast	Depth or Elevation	Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	WetDensity (pcf)	Dry Density (pct)	Field Moisture (%)	(combaction)	PASS.
8.	Approximately 200' North of Tie-In and Approximately 30' Up Slope	-1'-0	-	110.0	11.0	117.2	108.4	8.1	99	PASS
	FACE OF SLOPE, NORTH SLOPE									
9.	Approximately 100' West of Northeast Corner and Approximately 25' Down Slope	-1'-0	-	110.0	11.0	117.9	106.1	11.1	96	PASS
10.	Approximately 100' West of Northeast Corner and Approximately 20' Up Slope	-1'-0	-	110.0	11.0	117.4	106.4	10.3	97	PASS
11.	Approximately 20' West of Northeast Corner and Approximately 25' Down Slope	-1'-0	-	110.0	11.0	117.2	106.5	10.0	97	PASS
12.	Approximately 20' West of Northeast Corner and Approximately 30' Up Slope	-1'-0	-	110.0	11.0	116.5	106.2	9.7	97	PASS
					<u> </u>		<u></u>			
						ļ	ļ			
						<u> </u>		<u> </u>		
								ļ		
					ļ					

Page 2 of 2 Pages Technician: /lm Consultants in: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspection
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Project No.: Report No.:

Date:

1810.1000071.0000

862735

October 7, 2010

## Certificate of Authorization No. 549

## REPORT ON SITE INSPECTION

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill, Phase III

Location:

S.R. 44, Inverness, FL

Inspected By:

Art Roscoe

Date inspected:

10/06/10

## **OBSERVATIONS:**

On October 6, 2010, a representative of Universal Engineering Sciences, Inc., visited the above referenced project to monitor and perform the following:

Performed In-Place Density Tests as required at the north slope.

See In-Place Density Tests Report No. 862738 for test locations and results.

Technician: AR/Im

## **UNIVERSAL ENGINEERING SCIENCES**

Consultants In: Geotechnical Engineering, Environmental Sciences Construction Materials Testing, Threshold Inspections, Private Provider Inspection

Project No: 1810.1000071.0000

Report No.: 862738

		orida • 34471 • P: (352) <b>49</b>			Date:	October 7, 2010	
, 4		- REP	OKAKONA WASIA	(GEBDENS)TY			
Client:	4301 St	co Environmental Co erling Commerce Dr ty, FL 33566	•	Project:	Citrus County C S.R. 44 Inverness, FL	Central Landfill Phase III	
	Sanitary Pipe Sanitary Structure Storm Pipe Storm Structure	☐ Building Pootings ☐ Footings ☐ Roadway ☐ Curb	ad Subgrad	B SANGERS CONTROL	X Fill Backfill Native □ Embank	☐ Limerock ☐ Stabilization ☐ Other:	
References A results Training	Top Springline Boltom	"OF" [	] Fill ] Native ] FootIng	Pipe Structure Berm	Base Co Subgra		
	ASTM D-2937 Driv ASTM D-6938 Nuc ASTM D-1556 San ASTM D-558 Soll (	lear Gauge Method	VS N	TM D-1557 Modific TM D-698 Standar SHTO T180 Modifi SHTO T99 Standa	rd Practor	:M 5-515 LBR ASTM D-1883 CBR	
Report Left of		Yes (With Whom?) No (Reason?)			Compaction Re	equirement = 95%	

	Date Tested: 10/06/10		Lab	Test Res	ults	Field Test Results				
altagijo	Programme Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of	Deptinor Elevation	Sample Number	Nexmum Densay (pcf)	Optimum Morsmire (%)	Wet Density (pcf)	Ory Density (0 <del>c1</del> )	Field Moisture (%)	Compaction (%)	PASS:
	NORTH SLOPE									
1.	Approximately 300' West of Northeast Corner, Top of Slope	-1'-0	-	110.0	11.0	110.2	105.7	4.3	96	PASS
2.	Approximately 300' West of Northeast Corner, Approximately 25' Down Slope	-1'-0	-	110.0	11.0	111.2	105.5	5.4	96	PASS
3.	Approximately 300' West of Northeast Corner, Approximately 20' Up Slope	-1'-0	-	110.0	11.0	110.8	105.6	4.9	96	PASS
4,	Approximately 400' West of Northeast Corner, Top of Slope	-1'-0	-	110.0	11.0	117.1	108.8	7.6	99	PASS
5.	Approximately 400' West of Northeast Corner, Approximately 20' Down Slope	-1'-0	-	110.0	11.0	118.8	107.9	10.1	98	PASS
6.	Approximately 400' West of Northeast Corner, Approximately 25' Up Slope	-1'-0	-	110.0	11.0	110.6	105.9	4.4	96	PASS
7.	Approximately 500' West of Northeast Corner, Top of Slope	-1'-0		110.0	11.0	116.7	106.1	10.0	96	PASS
8.	Approximately 500' West of Northeast Corner, Approximately 25' Down Slope	-1'-0	-	110.0	11.0	117.8	109.1	8.0	99	PASS
9.	Approximately 500' West of Northeast Corner, Approximately 20' Up Slope	-1'-0	-	110.0	11.0	114.0	105.2	8.4	96	PASS



Consultants in: Geotechnical Engineering, Environmental Sciences
Construction Materials Testing, Threshold Inspections, Private Provider Inspection

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Project No: 1810.1000071.0000

Report No.: 862738

Date: October 7, 2010

## REPORTOFINE PLAGE DENSIFY TESTS

	Date Tested: 10/06/10		Lab	Test Ros	ults =	Field Test Results				
nestillo.	Hocation of Teat	Depth or Elevation E	Sample Number	Maximim Density (pc)	Optimism Noisture (%)	Wer Density (pcf)	Dry Density (pcf)	Field Noisure (%)	Compaction (90) is	PASS FAIL
10,	Approximately 600' West of Northeast Corner, Top of Slope	-1'-0	-	110.0	11.0	116.9	108.3	7.9	98	PASS
11.	Approximately 600' West of Northeast Corner, Approximately 30' Down Slope	-1'-0	-	110.0	11.0	112.3	105.8	6.1	96	PASS
12,	Approximately 600' West of Northeast Corner, Approximately 25' Up Slope	-1'-0	-	110.0	11.0	112.1	105.5	6.3	96	PASS
10.	Approximately 700' West of Northeast Corner, Top of Slope	-1'-0	-	110.0	11.0	118.6	108.6	9.2	99	PASS
	Approximately 700' West of Northeast Corner, Approximately 20' Down Slope	-1'-0	,	110.0	11.0	112.9	107.1	5.4	97	PASS
15.	Approximately 700' West of Northeast Corner, Approximately 30' Up Slope	-1'-0	-	110.0	11.0	111.6	106.5	4.8	97	PASS
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Page 2 of 2 Pages Technician: AR/lm



# REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

TECH.

CLIENT: CAMARICA										
PROJECT:										
AREA TESTED:										
COURSE:		DEPTH	OF TEST							
TYPE OF TEST:		DATE TESTED:								
NOTE: The below tests DO/DO NOT meet of maximum density.	the minimum .	<u> </u>	ompaction	requireme	nts					
LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	MOIST.	OPT. MOIST.					
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Consultants In: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspection
1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Project No.: Date: 1810.1000071.0000 November 4, 2010

## Field and Laboratory Report Cover Page

Client:

Project:

Comanco Environmental Corporation

4301 Sterling Commerce Drive Plant City, FL 33566

Citrus County Central Landfill Phase III, S.R. 44, Inverness, FL

As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

## **Scope of Work**

Type of Report	Report No.	
Site Inspection	867200	
In-Place Density Tests	867207	
Summary of Laboratory Results	866957	

The results of the observations and or tests are summarized on the attached sheets. We hope this information is sufficient for your immediate needs. If you have any questions, please do not hesitate to contact the undersigned.

Reviewed By (1177) Universal Engineering Sciences, Inc. Certificate of Authorization No. 549

STATE OF FLORIDA (* ) FL Professional Engineer No. 53986



Consultants in: Geotechnical Engineering • Environmental Sciences
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1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Project No.: Report No.:

Date:

1810.1000071.0000

867200

November 4, 2010

## Certificate of Authorization No. 549

## REPORT ON SITE INSPECTION

Cllent:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill, Phase III

Location:

S.R. 44, Inverness, FL

Inspected By:

A. Roscoe

Date inspected:

10/21/10

## **OBSERVATIONS:**

On October 21, 2010, a representative of Universal Engineering Sciences, Inc., visited the above referenced project to monitor and perform the following:

- Performed In-Place Density Tests as required for the roadway and slope.
- Obtained one (1) sample to be returned to the UES Laboratory for further testing.

See In-Place Density Tests Report No. 867207 and Summary of Laboratory Results Report No. 866957 for test locations and results.

Technician: AR/Im

## **UNIVERSAL ENGINEERING SCIENCES**

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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 867207

Date:

November 4, 2010

	REPORT	E IN-PL	ACE D	NSIT	1	SHOW THE SAME				
Client:	Comanco Environmental Corporatio 4301 Sterling Commerce Drive Plant City, FL 33586	n	Projec	ot:	S.R.	•		Landfill I	Phase III	
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	Date Tested: 10/21/10	ļ	Flap	Test Res	ulta		F	leid Test	Resulta	
ija iiklo	Sign of Street	Depthor Elevation		Maximum Density (cef)	Mostme (%)	Wer Delosity (pc?)	Dry Density (DCS)	Field (%)	Compaction (5)	PASS FAIL
	NORTH SLOPE						450.5		07	0400
1.	Approximately 400' East of West Slope on Top	-1'-0	-	110.0	11.0	111.6	106.2	5.1	97	PASS
2.	Approximately 400' East of West Slope and Approximately 35' Down Slope	-1'-0	-	110.0	11.0	110.9	105.7	4.9	96	PASS
3.	Approximately 300' East of West Slope on Top	-1'-0	-	110.0	11.0	112.7	105.9	6.4	96	PASS
4.	Approximately 300' East of West Slope and Approximately 25' Down Slope	-1'-0	-	110.0	11.0	112.0	105.8	5.9	96	PASS
5.	Approximately 200' East of West Slope on Top	-1'-0	-	1 <b>10</b> .0	11.0	110.4	104.6	5.5	95	PASS
6.	Approximately 200' East of West Slope and Approximately 30' Down Slope	-1'-0	-	110.0	11.0	111.3	104.8	6.2	95	PASS
7.	Approximately 100' East of West Slope on Top	-1'-0	-	110.0	11.0	109.7	105.1	4.4	98	PASS
8.	Approximately 100' East of West Slope and Approximately 20' Down Slope	-1'-0	-	110.0	11.0	112.1	105.5	6.3	96	PASS
9.	At Radius of North and West Slopes on Top	-1'-0		110.0	11.0	109.9	105.0	4.7	95	PASS



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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 867207

Date:

November 4, 2010

## REPORT OF IN PLACE DENSITY TESTS

	Date Tested: 10/21/10		Lab	TOSK Res	ul(a)		a t	lojų Test	Rosúlis	
iid (GNb)	An Logation of Feat	Depthot Elevation	Sample Number	Mexamon Deristry (pcf)	Optimization (A)	Wet Density	on Density (pct)	(Containson)		PASE.
10.	At Radius of North and West Slopes and Approximately 20' Down Slope	-1'-0		110.0	11.0	109.9	105.2	4.5	96	PASS
	WEST SLOPE									
11,	Approximately 100' South of North Slope on Top	-1'-0	-	110.0	11.0	111.8	105.9	5.6	96	PASS
12.	Approximately 100' South of North Slope and Approximately 20' Down Slope	-1'-0	-	110.0	11.0	112.8	106.5	6.9	97	PASS
13.	Flat Bottom, Approximately 350' West of East Slope	-1'-0		110.0	11.0	114.8	107.1	7.2	97	PASS
14.	Flat Bottom, Approximately 500' West of East Slope	-1'-0	-	110.0	11.0	117.4	108.4	8.3	99	PASS
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Page 2 of 2 Pages Technician: AR/Im



Project No: 1810.1000071.0000

Report No: 866957

Date:

November 1, 2010

Consultants In: Geotechnical Engineering, Environmental Sciences
Construction Materials Testing, Threshold Inspections, Private Provider Inspection

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## SUMMARY OF LABORATORY RESULTS

Cilent:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III, S.R. 44, Inverness, FL

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Technician: /lm

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## REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

CLIENT: Comman					
PROJECT: Carlo Carlo Carlo					
AREA TESTED: No. 1 1644 A.C.					
COURSE:		DEPTH	OF TEST	:	
TYPE OF TEST: Acr. J. G. A		DATE	TESTED:		
NOTE: The below tests DO/DO NOT meet the of maximum density.	e minimum		compaction	requireme	nts
REMARKS:		·			
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Project No.: Date: 1810.1000071.0000 December 16, 2010

## Field and Laboratory Report Cover Page

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III, S.R. 44, Inverness, FL

As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

## Scope of Work

Type of Report	Report No.
Site Inspection	873717
In-Place Density Tests	873718

The results of the observations and or tests are summarized on the attached sheets. We hope this information is sufficient for your immediate needs. If you have any questions, please do not hesitate to contact the undersigned.

Reviewed By: Universal Endineering Sciences, Inc. Certificate of Julian Sciences, Inc.

F OF ELORIDA ON No. 53986

1417 SW 15th Avenue Ocala, FL 32608 • (352) 401-9633 • Fax (352) 401-1835

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Construction Materials Testing • Threshold Inspection • Private Provider Inspection
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Project No.: Report No.:

Date:

1810.1000071.0000

873717

December 16, 2010

## Certificate of Authorization No. 549

## REPORT ON SITE INSPECTION

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill, Phase III

Location:

S.R. 44, Inverness, FL

Inspected By:

A. Roscoe

**Date Inspected:** 

12/08/10

## **OBSERVATIONS:**

On December 8, 2010, a representative of Universal Engineering Sciences, Inc., visited the above referenced project to monitor and perform the following:

1. Performed In-Place Density Tests as required for the building pad.

See In-Place Density Tests Report No. 873718 for test locations and results.

Technician: AR/Im

## **UNIVERSAL ENGINEERING SCIENCES**

Consultants In: Geotechnical Engineering, Environmental Sciences

Construction Meterials Testing, Threshold Inspections, Private Provider Inspection 1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 873718

Date: December 16, 2010

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1,	24" RCF	de Box Culver P Headwall #2,	an on seat t Pad East Mos	t Side		1'-0	-	110.0 110.0	11.0	111.8	107.1	4.4	97	PASS
2.	24" RCF	de Box Culver P Headwall #2,	an on seat t Pad East Mos	t Side		1'-0	-	110.0 110.0	11.0	111.8	107.1	4.4	97	PASS

Technician: AR/Im



# REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

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Project No.: Date: 1810.1000071.0000 January 10, 2011

Consultants in: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspection
4475 SW 35th Terrace • Gainesville • Florida • 32608 • P. (352) 372-3392 • F. (352) 336-7914

## Field and Laboratory Report Cover Page

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III, S.R. 44, Inverness, FL

As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

## Scope of Work

Type of Report	Report No.
Site Inspection	876623
Limerock Bearing Ratio	876625

The results of the observations and or tests are summarized on the attached sheets. We hope this information is sufficient for your immediate needs. If you have any questions, please do not hesitate to contact the undersigned.

Reviewed By Universal Engineering Sciences, Inc. Certificate of Authorization No. 549

Regional Mainteens

L Projectional Enginee No. 5398

4475 SW 35th Terrace • Gainesville, FL 32608 • (352) 372-3392 • Fax (352) 336-7914

Consultants in: Geotechnical Engineering • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Private Provider Inspection
4475 SW 35th Terrace • Gainesville • Florida • 32608 • P: (352) 372-3392 • F: (352) 336-7914

Project No.: Report No.:

Date:

1810.1000071.0000

876623

January 10, 2011

## Certificate of Authorization No. 549

## REPORT ON SITE INSPECTION

Client:

Comanco Environmental Corporation

4301 Sterling Commerce Drive

Plant City, FL 33566

Project:

Citrus County Central Landfill Phase III

Location:

S.R. 44, Inverness, FL

Inspected By:

D. Ingram

Date Inspected:

12/28/10

## **OBSERVATIONS:**

On December 28, 2010, a representative of Universal Engineering Sciences, Inc., visited the above referenced project to monitor and perform the following:

1. Obtained one (1) sample to be returned to the UES Laboratory for further testing.

See Limerock Bearing Ratio Report No. 876625 for test results.



## UNIVERSAL ENGINEERING SCIENCES 4475 S.W. 35TH TERRACE, GAINESVILLE, FL. 32608

(352) 372-3392 FAX NO:(352) 336-7914

PROJECT NO. :

1810.1000071.0000

REPORT NO: DATE:

876625 01/10/11

## Certificate of Authorization No. 549

## **REPORT ON LIMEROCK BEARING RATIO (FM5-515)**

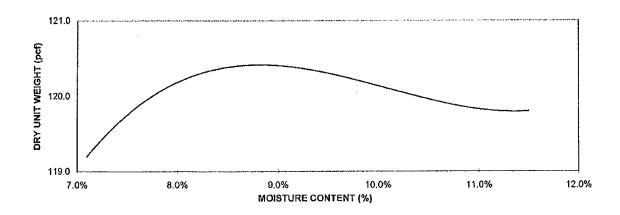
CLIENT Comanco Environmental Corporation 4301 Sterling Commerce Drive Plant City, FL 33566 PROJECT: Citrus County Central Landfill, Phase III S.R. 44

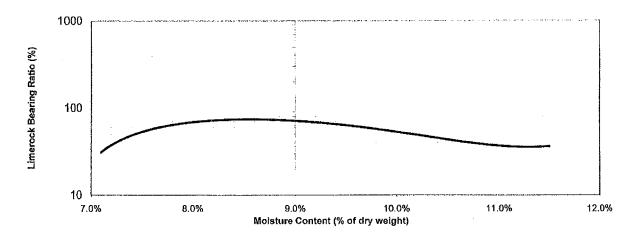
Inverness, FL

DATE TESTED: 1/6/11

SAMPLE LOCATION: Access Road

SOIL DESCRIPTION: Brown Clayey Sand with Trace of Limerock and Sandstone





OPT MOISTURE: MAX DENSITY:

9.0 120.0 LBR Value: 75

## Attachment 4-4

Woven Geotextile MQC Certificates

## Product: M440-180

ROLL#	WEIGHT*	MD TENSILE	MD ELONG	XMD TENSILE	XMD ELONG	MD TRAP	XMD TRAP	PUNCTURE	CBR PUNCTURE	MULLEN	AOS	WATER FLOW	PERMITTIVITY
ASTM METHOD	D5261	D4632	D4632	D4632	D4632	D4533	D4533	D4833	D6241	D3786	D4751	D4491	D4491
UNITS	oz/sq yd	lbs.	%	lbs	%	lbs.	ibs	lbs.	lbs.	psi	US Sieve	gpm/ft ²	sec ⁻¹
TARGET	15.00	600	15	500	15	250	250	180	900	1350	30	10	0.15
410103171	15.33	611	20	502	24	252	273	192	913	1350	30	13	0.18
410103173	<b>15</b> .33	611	20	502	24	252	273	192	913	1350	30	13	0.18
410103182	15.91	646	22	545	28	271	288	196	945	1350	30	13	0.18
410111631	15.22	622	18	511	22	256	271	190	917	1350	30	11	0.15
410111632	15.22	622	18	511	22	256	271	190	917	1350	30	11	0.15
410111633	15.22	622	18	511	22	256	271	190	917	1350	30	11	0.15
410111644	15.94	649	25	533	30	273	286	198	951	1350	30	11	0.15
410111663	15.24	613	21	506	25	262	275	194	902	1350	30	15	0.20
410111691	15.88	644	19	547	28	267	284	200	966	1350	30	15	0.20
410111697	15.36	626	23	513	21	267	284	200	966	1350	30	15	0.20
410111709	15.77	647	25	549	23	264	279	191	919	1350	30	13	0.17
410111719	15.41	615	18	515	25	269	281	197	971	1350	30	13	0.17
410111721	15.99	642	22	541	27	266	270	193	927	1350	30	13	0.17
410111724	15.99	642	22	541	27	266	270	193	927	1350	30	13	0.17
410111726	15.31	628	20	519	29	266	270	193	927	1350	30	13	0.17
410111731	15.75	636	24	543	20	272	290	199	955	1350	30	13	0.17
410111732	15.75	636	24	543	20	272	290	199	955	1350	30	13	0.17
410111737	15.15	603	18	500	26	272	290	199	955	1350	30	13	0.17
410111747	15.84	650	21	532	24	268	272	195	933	1350	30	13	0.17
410111749	15.84	650	21	532	24	268	272	195	933	1350	30	13	0.17
410111750	15.21	611	23	504	28	274	285	197	941	1350	30	11	0.15
410111752	15.21	611	23	504	28	274	285	197	941	1350	30	11	0.15
410111753	15.21	611	23	504	28	274	285	197	941	1350	30	11	0.15
420019095	15.97	647	19	536	30	270	274	190	937	1350	30	14	0.19

^{*}Weight is typical. all other values are MARV.

## Attachment 4-5

Woven Geotextile CQA Conformance Test Results

## TRI / Environmental, Inc. A Texas Research International Company

August 9, 2010

Mail To:

Bill To:

Dominique H. Bramlett SCS Engineers 4041 Park Oaks Blvd, Suite 100 Tampa, Florida 33610 <= Same(Project Number 09207049.06)

email: dbramlett@scsengineers.com

Dear Mr. Bramlett:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project:

**Citrus County Central Landfill Phase 3 Expansion** 

TRI Job Reference Number:

E2343-46-04

Material(s) Tested:

1 Woven Geotextile

Test(s) Requested:

Grab Tensile (ASTM D 4632)
Puncture Strength (ASTM D 4833)
Trapezoidal Tear (ASTM D 4533)
Apparent Opening Size (ASTM D 4751)

Wide Width Tensile Properties (ASTM D 4595)

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Dr. Mansukh Patel

Sr. Laboratory Coordinator Geosynthetic Services Division www.GeosyntheticTesting.com

cc: Sam R. Allen, Vice President and Division Manager

## TRI / Environmental, Inc.

A Texas Research International Company

## **GEOTEXTILE TEST RESULTS**

TRI Client: SCS Engineers
Project: Citrus County Central Landfill Phase 3 Expansion

Material: Woven Geotextile Sample Identification: 41011721

TRI Log #: E2343-46-04

MD Machine Direction

PARAMETER	TEST RE	EPLICAT	E NUME	BER							MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D	4632)											
MD - Tensile Strength (lbs)	679	704	754	737	695	682	674	698	745	702	707	28
TD - Tensile Strength (lbs)	726	627	731	629	639	717	605	735	724	627	676	54
MD - Elong. @ Max. Load (%)	24	28	27	27	27	26	27	26	28	25	27	1
TD - Elong. @ Max. Load (%)	20	21	19	19	21	20	17	21	20	19	20	1
Puncture Resistance (ASTM D 48	33)			· · · · · · · · · · · · · · · · · · ·	•							
Puncture Strength (lbs)	288	310	253	297	350	323	308	335	309	331	308	26
	314	285	339	307	277							
Trapezoidal Tear (ASTM D 4533)							<u> </u>					
MD - Tear Strength (lbs)	278	250	343	327	302	306	284	310	238	314	295	33
TD - Tear Strength (lbs)	326	320	318	312	354	325	318	320	328	365	329	17
Apparent Opening Size (ASTM D	4751)											
Opening Size Diameter (mm)	0.292	0.290	0.297	0.298	0.284						0.292	0.006
Sieve No.	50	50	50	50	50						50	

NA Not Available

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

TD Transverse Direction

## **GEOTEXTILE TEST RESULTS**

## TRI Client: SCS Engineers Project: Citrus County Central Landfill Phase 3 Expansion

Material: Woven Geotextile Sample Identification: 41011721 TRI Log #: E2343-46-04

PARAMETER	TEST RE	PLICAT	E NUME	BER							MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Wide Width Tensile Properties (AST	TM D 4595)											
MD Specimen Width (inches)	7.7											
MD Specimen Width (mm)	196											
MD Ultimate Strength (lbs)	3427	3541	3492	3656	3491	3484					3515	78
MD Ultimate Strength (ppi)	445	460	453	475	453	452					457	10
MD Ultimate Strength (kN/m)	78.0	80.6	79.4	83.2	79.4	79.3					80.0	1.8
MD Strength @ 2% Strain (lbs)	195	223	197	195	215	206					205	12
MD Strength @ 2% Strain (ppi)	25.3	29.0	25.6	25.3	28.0	26.7					26.7	1.5
MD Strength at 2% Strain (kN/m)	4.43	5.08	4.49	4.44	4.90	4.68					4.67	0.27
MD Strength @ 5% Strain (lbs)	684	768	722	721	765	740					733	32
MD Strength @ 5% Strain (ppi)	88.8	99.8	93.8	93.6	99.4	96.1					95.2	4.1
MD Strength at 5% Strain (kN/m)	15.6	17.5	16.4	16.4	17.4	16.8					16.7	0.7
MD Strength @ 10% Strain (lbs)	1581	1715	1626	1688	1679	1639					1655	48
MD Strength @ 10% Strain (ppi)	205	223	211	219	218	213					215	6
MD Strength at 10% Strain (kN/m)	36.0	39.0	37.0	38.4	38.2	37.3					37.6	1.1
MD Break Elongation (%)	25.6	24.2	25.8	25.7	26.6	26.3					25.7	0.8
TD Specimen Width (in)	8											
TD Specimen Width (mm)	203											
TD Ultimate Strength (lbs)	4038	3846	3977	3823	3769	4129					3930	140
TD Ultimate Strength (ppi)	505	481	497	478	471	516					491	18
TD Ultimate Strength (kN/m)	88.4	84.2	87.1	83.7	82.5	90.4					86.1	3.1
TD Strength @ 2% Strain (lbs)	627	644	607	638	632	628					630	13
TD Strength @ 2% Strain (ppi)	78.4	80.6	75.9	79.8	79.1	78.5					78.7	1.6
TD Strength at 2% Strain (kN/m)	13.7	14.1	13.3	14.0	13.9	13.8					13.8	0.3
TD Strength @ 5% Strain (lbs)	1356	1333	1312	1361	1353	1353					1345	19
TD Strength @ 5% Strain (ppi)	169	167	164	170	169	169					168	2
TD Strength at 5% Strain (kN/m)	29.7	29.2	28.7	29.8	29.6	29.6					29.4	0.4
TD Strength @ 10% Strain (lbs)	2409	2323	2313	2409	2371	2379					2367	41
TD Strength @ 10% Strain (ppi)	301	290	289	301	296	297				ŀ	296	5
TD Strength at 10% Strain (kN/m)	52.8	50.9	50.6	52.8	51.9	52.1					51.8	0.9

MD Machine Direction

TD Transverse Direction

NA Not Available

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

## SECTION 5 GEOSYNTHETIC INSTALLATION REPORT

## 5.1 REQUIREMENTS AND SPECIFICATIONS

This section compiles the daily construction activities related to the installation of a double geomembrane liner system comprised of (from the bottom up): geogrid, geosynthetic clay liner (GCL) (bottom of cell only), a secondary 60-mil textured high density polyethylene (HDPE) liner, a secondary biplanar geocomposite (geonet with two geotextiles) serving as a leak detection layer; a primary 60-mil textured HDPE liner, primary triplanar geocomposite (geonet with two geotextiles), and geogrid on the 2:1 sideslopes. The geomembrane manufacturer was Agru, the biplanar geocomposite manufacturer was GSE, the triplanar geocomposite manufacturer was Syntec, the geogrid manufacturer was R.H. Moore, and the GCL manufacturer was CETCO.

The SCS CQA representative was on site full-time to observe construction activities during the geosynthetic system installation in accordance with FDEP rules. The SCS CQA representative documented weather, construction and installation techniques, non-destructive and destructive geomembrane testing, geomembrane repairs. In addition, materials conformance testing was performed to assure compliance with the project technical specifications.

Field activities, as previously mentioned, were recorded in SCS Daily Field Logs prepared by the SCS CQA representative located in Attachment 3-1 of this report. In addition to the SCS Daily Field Logs as required by the technical specifications, Panel Repair Reports, Material Testing Logs, and geomembrane seam test results were also used to document the installation of the geomembrane and geocomposite.

The SCS CQA representative was responsible for:

- Reviewing the applicable plans and written material prior to the start of construction.
- Monitoring the essential procedures of the geomembrane installation such as:
  - 1. Subbase acceptance
  - 2. Geomembrane panel placement
  - 3. Geomembrane repair
  - 4. Geomembrane seaming
  - 5. Geomembrane seam repair
  - 6. Geomembrane non-destructive testing
  - 7. Geomembrane destructive test sampling
- Recording the repairs and destructive sample test locations.
- Prepared and sent destructive seam samples to an independent laboratory (TRI) for testing.

## 5.2 INSTALLATION SUMMARY

COMANCO was responsible for preparing the subbase. Upon acceptance of the subbase by the SCS CQA representative and the liner installer (COMANCO), the geosynthetic liner system was installed by COMANCO.

COMANCO began deployment of the liner system on Tuesday October 5, 2010. Comanco's liner crew installed the liner system in Phases as follows and as shown in Attachment 5-1:

## Phase 1 (East side slope):

Biaxial Geogrid Secondary Liner Biplanar Geocomposite Primary Liner Triplanar Geocomposite Backfill Anchor

## Phase 2 (Bottom of Phase 3 Cell, East Half):

Biaxial Geogrid GCL Secondary Liner Biplanar Geocomposite Primary Liner Triplanar Geocomposite

## Phase 3 (Bottom of Phase 3 Cell):

Biaxial Geogrid GCL Secondary Liner Biplanar Geocomposite Primary Liner Triplanar Geocomposite

## Phase 4 (Sideslope):

Biaxial Geogrid Secondary Liner Biplanar Geocomposite Primary Liner Triplanar Geocomposite Backfill Anchor

## Phase 5 (Bottom of Phase 3 Cell, West Half):

Biaxial Geogrid GCL Secondary Liner Biplanar Geocomposite Primary Liner Triplanar Geocomposite

## Phase 6 (West Side Slope):

Biaxial Geogrid Secondary Liner Biplanar Geocomposite Primary Liner Triplanar Geocomposite Backfill Anchor

The panels were deployed and numbered sequentially as placed. The progression of the work can be determined from the field logs and as-built panel layout drawings located in Attachment 2-1.

It is the professional opinion of SCS that the liner system was installed in substantial accordance with the project technical specifications and meets or exceeds the design requirements. Table 3 provided below is a tabulated summary of the installation for the geosynthetics for the liner system for the Phase 3 Cell Expansion Project.

Table 3 Geosynthetic Installation Summary Phase 3 Cell

Liner System Description	Installed Square Footage 1	Start Date	Completion Date
Biaxial Geogrid	302,604	10-5-10	10-29-10
GCL	103,500	10-5-10	10-28-10
Secondary Liner	292,714	10-5-10	11-1-10
Biplanar Geocomposite	323,445	10-8-10	11-8-10
Primary Liner	296,932	10-12-10	11-30-10
Triplanar Geocomposite	322,388	10-14-10	11-30-10
Uniaxial Geogrid	242,070	11-2-10	12-1-10

## Notes:

¹ Installed square footage based upon SCS field measurements.

#### 5.3 RAIN TARP

The rain tarp was installed according to the specifications and at the locations as directed by SCS.

### 5.4 ANCHOR TRENCH

The anchor trench was constructed according to the specifications and installed at the locations as shown on the drawings.

#### 5.5 DAILY FIELD REPORT

Installation activities were recorded in SCS Daily Field Reports prepared by the SCS CQA representative, as previously mentioned, that are contained in Attachment 3-1 of this report. The SCS Daily Field Reports were signed and dated at the end of each day by the SCS CQA representative. The SCS Daily Field Reports also contain general information such as weather conditions, potential conflicts pertinent to material installation, etc.

# Attachment 5-1

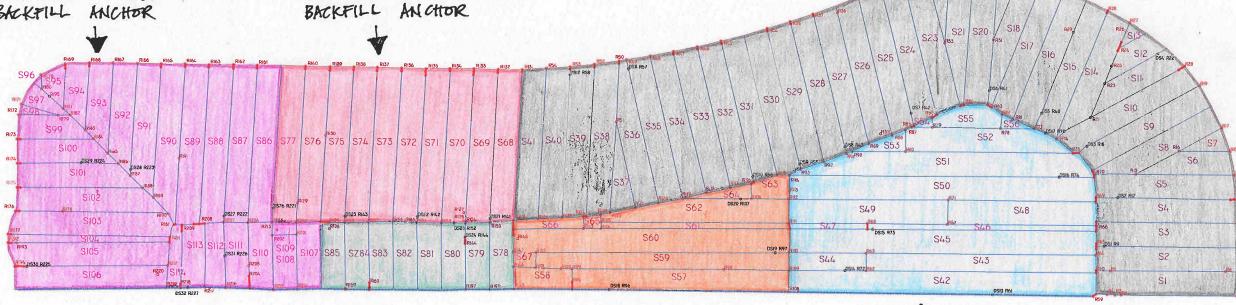
**Proposed Panel Placement** 





PHASE III
BLAXIM GEDGRID
SECONDARY LINER
BIPLANAR GEOCOMPOSITE
PRIMARY LINER
TRIPLANAR GEOCOMPOSITE
BACKFILL ANCHOR

PHAGE I
BLAXIAL GEOGRID
SECONDARY LINER
BIPLANAR GEOCOMPOSITE
PRIMARY LINER
TRIPLANAR GEOCOMPOSITE
BACKFILL ANCHOR



PHASE IL
BIAXIAL GEDGIRIO
GCL
SECONDARY LINER
BIPLANAR GEDCOMPOSITE
PRIMARY HINER
TRIPLANAR GEDCOMPOSITE

PHASE III
BIAXIML GEOGRID
GCL
BECONDARY LINER
BIPLANAR GEOCOMPOSITE
PRIMARY LINER
TRIPLANAR GEOCOMPOSITE

PHASE II
BLAXIAL GEOGRID
GCL
SECONDARY LINER
BIPLANAR GEOCOMPOSITE
PRIMARY HNER
TRIPLANAR GEOCOMPOSITE

# NOTES:

I) UPON COMPLETION OF ALL PHASES, THE UNIAXIAL GEOGRID WAS PLACED ON PHASES

I AND IV AND ON THE STOESLOPE OF PHASE II.

2) THE TWO-FOOT PROTECTIVE SAND GIVER WAS PLACED ON THE BOTTOM OF THE CELL SIMULTANEOUSLY NITH THE UNIAXIAL GEOGRID.

3.) AFTER PLACEMENT OF THE UNIAXIAL GEOGRID AND THE TWO-FOOT PROTECTIVE GAMO LOVER, THE RAIN TARP WAS PLACED ON ALL PHASES EXCEPT PHASE II.

	LEGENI	D		
S)	SECONDAYOF PANEL NUMBER	_	CA#	
H	REPAIR NUMBER	0	PATOI	1
DS	DESTRUCTIVE SECONDARY TEST NUMBER	0	DESTRUCTIVE TEST	1
	TENTON NEW YORK	-	EXTRUE ON WELD	

CENTRAL LANDFILL CITR
HASE 3 EXSANSION SROJECT SOL
SECONDARY MANAG
AS BUILT CITRUS C

CITRUS COUNTY
SOLID WASTE
MANAGMENT DIVISION
CITRUS COUNTY, FLORIDA

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SLANT CITY, FL 33566-7372
TELESHONE: (813) 988-8829
ENVIRONMENTAL CORSTATION FAX: (813) 496-7305

CHECKER BY: WEST CHECKER: (813) 496-7305

### SECTION 6 GEOGRID INSTALLATION REPORT

#### 6.1 REQUIREMENTS AND SPECIFICATIONS

The plans call for a biaxial geogrid along the bottom of the cell and sideslopes as reinforcement of the subbase and a uniaxial geogrid along the sideslopes for slope stability purposes. Biaxial geogrids are manufactured by welding or stitching together two layers of extruded, polypropylene, flexible geogrids to create a continuous sheet with random-sized apertures for improved soil interaction. Uniaxial geogrids are geogrids with strength in a single direction. R.H. Moore, the geogrid manufacturer performed testing on the materials to verify compliance with the contract specifications prior to approval by SCS. R.H. Moore performed manufacturer's quality control (MQC) tests on the geogrid prior to delivery. The MQC tests were conducted in accordance with the manufacturer's quality control program. One test per every 100,000 square feet of geogrid produced was performed. The quality control certificates, which contain the recorded results for each roll of geogrid tests, are included in Attachment 6.1 (biaxial geogrid) and Attachment 6.2 (uniaxial geogrid).

Table 4 presents results of the MQC testing for the biaxial geogrid (5XTBD Tencate Geogrid) compared with the project specifications. The tests indicate that the biaxial geogrid met or exceeded the project specifications.

Table 4	Comparison	Of Biax	cial Geogrid	Properties
---------	------------	---------	--------------	------------

Parameter	Specification	Range of MQC Test Results ¹
Mass/Unit Weight (oz/yd³)	13.2	13.2
Tensile Strength @ Ultimate (MD) (lbs/ft)	4,300	5,099 - 5,240
Tensile Strength @ Ultimate (CD) (lbs/ft)	4,300	6,848 - 7,666
Tensile Strength @ 5% (MD) (lbs/ft)	1,740	2,434.8 - 3,540
Tensile Strength @ 5% (CD) (lbs/ft)	1,740	1,930 - 2,137
Creep Reduced Strength (MD) (lbs/ft)	2,580	2,580
LTDS (MD) (Lbs/ft)	1,864	1,864

#### Notes:

1 Range of values.

Table 5 presents results of the MQC testing for the uniaxial geogrid (22XT Tencate Geogrid) compared with the project specifications. The tests indicate that the uniaxial geogrid met or exceeded the project specifications.

Table 5 Comparison of Uniaxial Geogrid Properties

Parameter	Specification	Range of MQC Test Results ¹
Tensile Strength @ 5% (MD) (lbs/ft)	6,510	7,189.8 - 8,155.5

Parameter	Specification	Range of MQC Test Results ¹
Tensile Strength @ Ultimate (MD) (lbs/ft)	14,390	20,035 - 23,362

#### Notes:

1 Range of values.

#### 6.2 CONFORMANCE TESTING

The geogrid was visually inspected by the CQA Representative as it was placed. Roll numbers were verified as conforming to rolls tested by R.H. Moore under Manufacturer's Quality Control. The results of the conformance testing for the geogrid are presented in Tables 6 (biaxial geogrid) and 7 (uniaxial geogrid) and laboratory results are included in Attachment 6-3 (biaxial geogrid) and Attachment 6.4 (uniaxial geogrid). The conformance tests were conducted by TRI Environmental, Inc. on material representative of the geogrid used in this project. The test results further verify that the geogrid met the project specifications.

Table 6 Comparison of Biaxial Geogrid Properties in Conformance Testing

Parameter	Specification	Range of Test Results ¹
Mass/Unit Weight (oz/yd³)	13.2	16.8 - 18.6
Tensile Strength @ Ultimate (MD) (lbs/ft)	4,300	4,734 - 5,153
Tensile Strength @ Ultimate (CD) (lbs/ft)	4,300	7,151 - 7,638
Tensile Strength @ 5% (MD) (lbs/ft)	1,740	2,190 - 3,083
Tensile Strength @ 5% (CD) (lbs/ft)	1,740	1,929 - 2,051

### Notes:

1 Range of values.

Table 7 Comparison of Uniaxial Geogrid Properties in Conformance Testing

Parameter	Specification	Range of Test Results ¹
Tensile Strength @ 5% (MD) (lbs/ft)	6,510	6,768 - 8,310
Tensile Strength @ Ultimate (MD) (lbs/ft)	14,390	22,436 - 24,982

#### Notes:

1 Range of values.

#### 6.3 DIRECT SHEAR TESTS

To confirm the project materials would meet the technical specifications of 12 degrees for the biaxial interface friction angle and 22 degrees for the uniaxial interface friction angle and the minimum required Factor of Safety of 1.5 against sliding, SCS had separate CQA samples of the project materials tested by TRI. TRI performed interface direct shear tests on these project materials in accordance with ASTM D5321. To simulate the range of stresses during final Buildout of the Phase 3 Expansion cell, normal loads of 1,000, 5,000, and 9,000 pounds per square foot (psf) were used during the testing in saturated condition. The following CQA interface friction angle test results all meet the construction permit requirement of at least 12 degrees for the biaxial interface and 22 degrees for the uniaxial interface which therefore also meet the minimum safety factor of 1.5 against sliding. Please refer to Attachment 6-5 for the CQA Interface Friction Test Reports.

## **CQA Interface Friction Angle Test Results**:

- Subbase Soil versus Marifi 5XT Geogrid (Biaxial Geogrid) versus Agru 60 mil HDPE Microspike Geomembrane = 25.7 degrees with 240 psf adhesion
- Subbase Soil versus Marifi 5XT Geogrid (Biaxial Geogrid) versus Bentomat ST GCL = 25.5 degrees with 234 psf adhesion
- Protective Cover Soil versus Marifi 22XT Geogrid (Uniaxial Geogrid) versus Syntec TendDrain 770-2 Double Sided Geocomposite (Triplanar Geocomposite) = 27.8 degrees with 0 psf adhesion

#### 6.4 PANEL PLACEMENT

The Geogrid was installed at the proper locations and alignment as shown on the drawings. Adjacent geosynthetic panels were joined with plastic ties spaced so as to ensure 100 percent coverage. Upon deployment, individual panels were assigned sequential panel numbers. Panel numbers, with corresponding manufacturer's Geogrid roll number were recorded by the CQA Representative and Comanco's Quality Control Technician. SCS' geogrid placement logs are included in Attachment 6-6 (biaxial geogrid) and 6-7 (uniaxial geogrid). Also recorded on the placement logs are length, width, orientation of the panels along with the date the panels were deployed. A space for comments about the panels may include a weather description, a shape description of a panel that is not rectangular, or a more detailed description of location.

# Attachment 6-1 Biaxial Geogrid MQC Certificates

# 5×130

# **MIRAGRID TEST DATA**

18-Aug-10

Style	ROLL#	Wide Width W @5%MD	Wide idth Ult MD @	Wide Width W 95%XMD	Wide /idth Ult XMD
		\ <b>~</b> \^   <b>bs</b> /ft	4700 Ibs/ft	\¬∕^∘ Ibs/ft	પર્જ lbs/ft
		,		,	
5XTBD	032191658	2434.8	5162 🗸	2020.4 🗸	6848 ^U
5XTBD	032191659	2988.4 🗸	5189	1991	7607 ∪
5XTBD	032191660	2931.2 🗸	5168	1955√	7231 🗸
5XTBD	032191661	3083.2 🗸	5208 V	1950.4 🗸	7497 V
5XTBD	032191662	3083.2 🗸	5208 🗸	1950.4	7497 🗸
5XTBD	032191663	3 <b>5</b> 40 ~	5169 🗸	1964~	7341 🗸
5XTBD	032191664	3353 ✓	5163 🏑	2068	7666 [✓]
5XTBD	032191665	2953 v	5160 🗸	1930 ⁵	71 <b>9</b> 5./
5XTBD	032191666	2895 🗸	5212 V	1932 🗸	7210~
5XTBD	032191667	3257 🗸	5232 V	2006~	7326 🗹
5XTBD	032191668	3280 🗸	5240 V	2032 🗸	7135 🗸
5XTBD	032191669	3098 ✓	5188 V	2137 🗸	7354 🗸
5XTBD	032191670	3189 🗸	5099 🗸	2078 🗸	7254 🗸
5XTBD	032191671	3119√	5141 [∨]	2025 🗸	7445 J
5XTBD	032191672	3044 v	5193 V	2008 0	7 <b>243</b> 🗸
5XTBD	032191673	<b>3044</b> [√]	5193 J	2008	7243 <i>J</i>

H AMERICA Page: 1

# **TENCATE**MIRAGRID 5XTBD Certification

ATTN: MATT

R.H. MOORE & ASSOCIATES

P.O. BOX 16549 TAMPA, FL 33687

BOL#: 2086271 ORDER: 1047256

This is to certify that Miragrid® 5XTBD is composed of high molecular weight, high tenacity polyester multifilament yarns which are woven in tension and finished with a PVC coating. Miragrid® 5XTBD is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.s, alkalis, and acids.

Mechanical Properties	Test Code	Test Method	Minimum Average Roll Value	
TENSILE STRENGTH @ ULT (MD)	TSMD	ASTM D 6637	4300 LBS/FT ✓ 62.7	KN/M
TENSILE STRENGTH @ ULT (CD)	TSCD	ASTM D 6637	4300 LBS/FT U 62.7	KN/M
TENSILE STRENGTH @ 5% (MD)	TSMD5	ASTM D 6637	1740 LBS/FT / 25.4	KN/M
TENSILE STRENGTH @ 5% (CD)	TSCD5	ASTM D 6637	1740 LBS/FT / 25.4	KN/M
CREEP REDUCED STRENGTH (MD)	CREEP	ASTM D 5262	2580 LBS/FT ✓ 37.6	KN/M
LTDS (MD)	LTDS	GRI-GG4(B)	1864 LBS/FT ✓ 27.2	KN/M
Physical Properties	Test Code	Test Method	Typical Value	
******				
APERTURE SIZE (MD)	APERMD		.9 IN 22.2	MM
APERTURE SIZE (CD)	APERCD		1 IN 25.4	MM
MASS/UNIT WEIGHT	WEIGHT	ASTM D 5261	13.2 OZ/YD2 🗸 447.5	G/M2

ASTM D 6637 is not covered by our current A2LA accreditation.

ASTM D 5262 and GRI GG4 based on independent lab testing. This is not covered by our current A2LA accreditation. Certification reflects test results at time of

manufacturing and shipment. TenCate Geosynthetics is not responsible for environment or other factors which could alter the physical properties.

Note: LTDS (LONG TERM DESIGN STRENGTH) values are based on Savannah River Project C-DCF-E-00240 specifications, section 2.1B. LTDS: Certification based on independent lab testing. This is not covered by our current A2LA accreditation.

* * * END OF REPORT * * *

This August 18, 2010

Chris Whitfield, Quality Manager

CERT#: 1001830

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American Association of Laboratory Accreditation Certificate Number: 1291.01 Accreditation #: GAI-LAP-25-1997 © 2010 TenCate Geosynthetics North America

365 South Holland Dr. Pendergrass, GA 30567 Tel 706 693 2226 Tel 888 795 0808 Fax 706 693 2122 www.tencate.com





# Attachment 6-2

Uniaxial Geogrid MQC Certificates

# MIRAGRID TEST DATA

15-Oct-10

	Width W @5%MD	idth Ult MD
	lbs/ft	Ibs/ft
XT 031115225	7189.8 ⁷	20655 ~
XT 031115234	<b>7219</b> $\checkmark$	20035 ~
XT 031123885	8155.5 🗸	22412~
2XT 031123886	8155.5	22412 ^C
2XT 031123887	7777.6 🗸	22561 ~
2XT 031123888	7252.5 ²	22941 [~]
2XT 031123889	7252.5 ⁰	22941 ~
2XT 031123890	7252.5	22941 [~]
2XT 031123891	7252.5 ^U	22941
XT 031123892	7363 ^U	22594~
XT 031123893	7292.5 🗸	21368 [~]
2XT 031123894	7292.5 V	21368 [~]
2XT 031123895	7888.6 🗸	23362 -
2XT 031123896	7888.6 🗸	23362 ^{-/}
2XT 031123899	7888.6 <i>∪</i>	23362 🗸

Page: 1

**STENCATE** MIRAGRID 22XT Certification

ATTN: MATT

R.H. MOORE & ASSOCIATES

P.O. BOX 16549 TAMPA, FL 33687

QTY: 15 ROLLS

EMAIL: MATTH@RHMOOREASSOCIATES.COM

This is to certify that Miragrid® 22XT is composed of high molecular weight, high tenacity polyester multifilament yarns which are woven in tension and finished with a PVC coating. Miragrid® 22XT is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and

Mechanical Properties	Test Code	Test Method	Minimu	um Average Rol	l Value	
TENSILE STRENGTH @ ULT (MD)	TSMD	ASTM D 6637	17760	LBS/FT	259.1	KN/M
TENSILE STRENGTH @ 5% (MD)	TSMD5	ASTM D 6637	6700	LBS/FT	97.8	KN/M
CREEP REDUCED STRENGTH (MD)	CREEP	ASTM D 5262	11241	LBS/FT	164	KN/M
LTDS (MD)	LTDS	GRI-GG4(B)	9732	LBS/FT	142.0	KN/M
Physical Properties	Test Code	Test Method	Туріса	al Value		
~~~~						
APERTURE SIZE (MD)	APERMD		3.2	IN	81.3	MM
APERTURE SIZE (CD)	APERCD		.3	l N	7.6	MM
MASS/UNIT WEIGHT	WEIGHT	ASTM D 5261	23.0	OZ/YD2	779.7	G/M2

ASTM D 5262 and GR1 GG4 (B) based on independent lab testing. This is not covered by our current A2LA accreditation. Certification reflects test results at time of manufacturing and shipment. TenCate Geosynthetics is not responsible for environment or other factors which could alter the physical properties.

Note: LTDS (LONG TERM DESIGN STRENGTH) values are for sand, silt and clay.

* * * END OF REPORT * * *

This October 15, 2010

Chris Whitfield, Quality Manager

CERT#:

1002215

Unless specified separately in writing, material results apply only to items tested. No portion of this document may be reproduced whole or in part without the expressed written consent of TenCate. TenCate warrants our products and services to be free from defects in material and workmanship when delivered to TenCate's customers and that our products meet our published specifications. Actual test data supplied is for the full width of the tested master roll.

American Association of Laboratory Accreditation Certificate Number: 1291.01 Accreditation #: GAI-t,AP-25-1997 2010 TenCate Geosynthetics North America

365 South Holland Dr. Pendergrass, GA 30567 Tel 706 693 2226 Tel 888 795 0808

Fax 706 693 2122 www.lencate.com



JALIT





Attachment 6-3

Biaxial Geogrid CQA Conformance Test Results



September 16, 2010

Mail To:

Bill To:

Dominique Bramlett SCS Engineers

<= Same

4041 Park Oaks Blvd., Suite 100 Tampa, Florida 33610-9501

email: dbramlett@scsengineers.com cc:email: ehilton@scsengineers.com

Dear Ms. Bramlett:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project:

Citrus County Landfill

TRI Job Reference Number:

E2348-04-06

Material(s) Tested:

Four, 5XTBD Tencate Geogrid(s)

Test(s) Requested:

Mass/Unit Area (ASTM D 5261)

Density/Specific Gravity (ASTM D 792, Method A) Wide Width Tensile (ASTM D 6637, Method B)

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Mansukh Patel

Sr. Laboratory Coordinator Geosynthetic Services Division www.GeosyntheticTesting.com

cc: Sam R. Allen, Vice President and Division Manager



TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: 5XTBD Tencate Geogrid Sample Identification: 032191658 TRI Log #: E2348-04-06

1 KI LOG #: E2348-04-06											ı	STD.
PARAMETER	TEST RE	PLICATE	NUMBE								MEAN	DEV.
D 11 10 11 15 0 11 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	1	2	3	4	5	6	7	8	9	10		
Density/Specific Gravity (ASTM D 792	z, Metnod A)											
Density (g/cm3)	1.216	1.219	1.225								1.220	0.005
Wide Width Tensile Properties (ASTN	1 D 6637, Meth	od B)										
MD Number of Ribs per Specimen:	5											
MD Number of Ribs per foot:	10.8											
MD Ultimate Strength (lbs)	2355	2201	2366	2342	2353						2323	69
MD Ultimate Strength (lbs/ft)	5065	4734	5090	5037	5061						4998	149
MD Ultimate Strength (kN/m)	74.0	69.1	74.3	73.5	73.9						73.0	2.2
MD Strength @ 2% Strain (lbs)	530	525	519	507	539						524	12
MD Strength @ 2% Strain (lbs/ft)	1140	1130	1116	1092	1160						1127	26
MD Strength @ 2% Strain (kN/m)	16.6	16.5	16.3	15.9	16.9						16.5	0.4
MD Strength @ 5% Strain (lbs)	1062	1018	1044	1030	1070						1045	22
MD Strength @ 5% Strain (lbs/ft)	2284	2190	2246	2216	2302						2248	46
MD Strength @ 5% Strain (kN/m)	33.3	32.0	32.8	32.4	33.6						32.8	0.7
MD Strength @ 10% Strain (lbs)	2294	2193	2277	2257	2312						2266	46
MD Strength @ 10% Strain (lbs/ft)	4934	4718	4897	4856	4972						4876	98
MD Strength @ 10% Strain (kN/m)	72.0	68.9	71.5	70.9	72.6						71.2	1.4
MD Break Elongation (%)	10.6	10.1	11.0	11.0	10.5						10.6	0.4
TD Number of Ribs per Specimen:	5											
TD Number of Ribs per foot:	12.9											
TD Ultimate Strength (lbs)	2779	2848	2839	2861	2803						2826	34
TD Ultimate Strength (lbs/ft)	7151	7330	7307	7364	7214						7273	88
TD Ultimate Strength (kN/m)	104	107	107	108	105						106	1
TD Strength @ 2% Strain (lbs)	460	473	463	465	459						464	6
TD Strength @ 2% Strain (lbs/ft)	1185	1219	1192	1196	1181						1194	15
TD Strength @ 2% Strain (kN/m)	17.3	17.8	17.4	17.5	17.2						17.4	0.2
TD Strength @ 5% Strain (lbs)	753	767	752	768	761						760	7
TD Strength @ 5% Strain (lbs/ft)	1937	1973	1936	1977	1959						1956	19
TD Strength @ 5% Strain (kN/m)	28.3	28.8	28.3	28.9	28.6						28.6	0.3
TD Strength @ 10% Strain (lbs)	2093	2078	2049	2070	2099						2078	20
TD Strength @ 10% Strain (lbs/ft)	5387	5348	5275	5329	5402						5348	50
TD Strength @ 10% Strain (kN/m)	78.6	78.1	77.0	77.8	78.9						78.1	0.7
TD Break Elongation (%)	12.5	13.1	13.1	13.1	12.7						12.9	0.3
Mass/Unit Area (ASTM D 5261)							-				 	
Mass/unit area (oz/sq.yd)	17.5	16.8	18.2	18.0	18.4	17.7	17.8	17.6	18.6	18.2	17.9	0.5
	•											'

MD - Machine Direction TD - Transverse/Cross Machine Direction



TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: 5XTBD Tencate Geogrid Sample Identification: 032191662 TRI Log #: E2348-04-06

Density/Specific Gravity (ASTM D 792, Method A Density (g/cm3) 1.22: Wide Width Tensile Properties (ASTM D 6637, Method Number of Ribs per Specimen: 5 MD Number of Ribs per Specimen: 5 MD Ultimate Strength (lbs) 2346 MD Ultimate Strength (lbs/ft) 5046 MD Ultimate Strength (kN/m) 73.7 MD Strength @ 2% Strain (lbs) 533 MD Strength @ 2% Strain (lbs/ft) 1147 MD Strength @ 2% Strain (lbs/ft) 16.8 MD Strength @ 2% Strain (lbs/ft) 16.8 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 5% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @ 10% Strain (lbs/ft) 50.4 MD Strength @	2 1.215	3 1.217	4	5	6	7	8	9	10	 	DEV.
Density (g/cm3)	2 1.215	1.217									
Wide Width Tensile Properties (ASTM D 6637, Mm MD Number of Ribs per Specimen: 5 MD Number of Ribs per foot: 10.8 MD Ultimate Strength (lbs) 2346 MD Ultimate Strength (lbs/ft) 5046 MD Ultimate Strength (kN/m) 73.7 MD Strength @ 2% Strain (lbs) 533 MD Strength @ 2% Strain (lbs/ft) 1147 MD Strength @ 5% Strain (lbs/ft) 16.8 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 10% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs) 40.2 MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) 40.2 MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Strength @ 10% Strain (kN/m) 40.2 MD Strength @ 10% Strain (kN/m) 50.4 MD Strength @ 10% Strain (kN/m) 40.2 MD Strength @ 10% Strain (kN/m) 50.4 MD Strength @ 10% Strain (kN/m) 50.4 MD Strength @ 10% Strain (kN/m) 50.4 <th></th> <th>1.217</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>		1.217									
MD Number of Ribs per Specimen: 5 MD Number of Ribs per foot: 10.8 MD Ultimate Strength (lbs) 2346 MD Ultimate Strength (lbs/ft) 5046 MD Ultimate Strength (kN/m) 73.7 MD Strength @ 2% Strain (lbs) 533 MD Strength @ 2% Strain (lbs/ft) 1147 MD Strength @ 5% Strain (kN/m) 16.8 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 5% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Strength @ 10% Strain (kN/m) 9.42 TD Number of Ribs per Specimen: 5										1.218	0.004
MD Number of Ribs per foot: 10.8 MD Ultimate Strength (lbs) 2346 MD Ultimate Strength (lbs/ft) 5046 MD Ultimate Strength (kN/m) 73.7 MD Strength @ 2% Strain (lbs) 533 MD Strength @ 2% Strain (lbs/ft) 1147 MD Strength @ 2% Strain (lbs/ft) 16.8 MD Strength @ 5% Strain (lbs) 1280 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 10% Strain (lbs) 40.2 MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft)	ethod B)										
MD Ultimate Strength (lbs) 2346 MD Ultimate Strength (lbs/ft) 5046 MD Ultimate Strength (kN/m) 73.7 MD Strength @ 2% Strain (lbs) 533 MD Strength @ 2% Strain (lbs/ft) 1147 MD Strength @ 2% Strain (kN/m) 16.8 MD Strength @ 5% Strain (lbs) 1280 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 5% Strain (kN/m) 40.2 MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) 9.42 TD Number of Ribs per Specimen: 5											
MD Ultimate Strength (lbs/ft) 5046 MD Ultimate Strength (kN/m) 73.7 MD Strength @ 2% Strain (lbs) 533 MD Strength @ 2% Strain (lbs/ft) 1147 MD Strength @ 5% Strain (kN/m) 16.8 MD Strength @ 5% Strain (lbs) 1280 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 10% Strain (lbs/m) 40.2 MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) 9.42 TD Number of Ribs per Specimen: 5										İ	
MD Ultimate Strength (kN/m) 73.7 MD Strength @ 2% Strain (lbs) 533 MD Strength @ 2% Strain (lbs/ft) 1147 MD Strength @ 2% Strain (kN/m) 16.8 MD Strength @ 5% Strain (lbs) 1280 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 10% Strain (kN/m) 40.2 MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) 9.42 TD Number of Ribs per Specimen: 5		2381	2215	2308						2323	66
MD Strength @ 2% Strain (lbs) 533 MD Strength @ 2% Strain (lbs/ft) 1147 MD Strength @ 2% Strain (lkN/m) 16.8 MD Strength @ 5% Strain (lbs) 1280 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 5% Strain (lbs/ft) 40.2 MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) 9.42 TD Number of Ribs per Specimen: 5		5123	4765	4964						4996	142
MD Strength @ 2% Strain (lbs/ft) 1147 MD Strength @ 2% Strain (kN/m) 16.8 MD Strength @ 5% Strain (lbs) 1280 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 5% Strain (kN/m) 40.2 MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) 9.42 TD Number of Ribs per Specimen: 5	74.2	74.8	69.6	72.5						72.9	2.1
MD Strength @ 2% Strain (kN/m) 16.8 MD Strength @ 5% Strain (lbs) 1280 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 5% Strain (kN/m) 40.2 MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) 9.42 TD Number of Ribs per Specimen: 5		559	544	564						545	16
MD Strength @ 5% Strain (lbs) 1286 MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 5% Strain (kN/m) 40.2 MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) 9.42 TD Number of Ribs per Specimen: 5	-	1203	1169	1213						1173	35
MD Strength @ 5% Strain (lbs/ft) 2754 MD Strength @ 5% Strain (kN/m) 40.2 MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) 9.42 TD Number of Ribs per Specimen: 5	16.5	17.6	17.1	17.7						17.1	0.5
MD Strength @ 5% Strain (kN/m) 40.2 MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) 9.42 TD Number of Ribs per Specimen: 5		1251	1259	1243						1245	32
MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) 70 Number of Ribs per Specimen:		2690	2709	2674						2678	69
MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) TD Number of Ribs per Specimen: 5	37.5	39.3	39.5	39.0						39.1	1.0
MD Strength @ 10% Strain (kN/m) MD Break Elongation (%) 9.42 TD Number of Ribs per Specimen: 5	2359.54	2365.7								2363	4
MD Break Elongation (%) 9.42 TD Number of Ribs per Specimen: 5	5076	5089								5082	9
TD Number of Ribs per Specimen: 5	74.11	74.30								74.20	0.14
· ·	10.3	10.3	8.71	9.79						9.70	0.7
TD Number of Ribs per foot: 12.8											
TD Ultimate Strength (lbs) 2952		2978	2900	2928						2950	37
TD Ultimate Strength (lbs/ft) 7538		7604	7405	7476						7532	95
TD Ultimate Strength (kN/m) 110	112	111	108	109						110	1
TD Strength @ 2% Strain (lbs) 475	487	489	489	488						486	6
TD Strength @ 2% Strain (lbs/ft) 1214		1249	1249	1246						1240	15
TD Strength @ 2% Strain (kN/m) 17.7	18.2	18.2	18.2	18.2						18.1	0.2
TD Strength @ 5% Strain (lbs) 785	801	798	803	798						797	7
TD Strength @ 5% Strain (lbs/ft) 2005	2045	2037	2051	2038	,					2035	18
TD Strength @ 5% Strain (kN/m) 29.3	29.8	29.7	29.9	29.8						29.7	0.3
TD Strength @ 10% Strain (lbs) 2219		2066	2211	2108						2142	69
TD Strength @ 10% Strain (lbs/ft) 5667	5376	5276	5646	5382						5470	176
TD Strength @ 10% Strain (kN/m) 82.7	78.5	77.0	82.4	78.6						79.9	2.6
TD Break Elongation (%) 13.2	14.1	14.0	12.8	13.3						13.5	0.6
Mass/Unit Area (ASTM D 5261)	-										
Mass/unit area (oz/sq.yd) 17.7	17.8	18.0	18.0	18.1	17.8	17.9	17.4	18.1	18.0	17.9	0.2

MD - Machine Direction TD - Transverse/Cross Machine Direction



TRI Client: SCS Engineers Project: Citrus County Landfill

Material: 5XTBD Tencate Geogrid Sample Identification: 032191666 TRI Log #: E2348-04-06

PARAMETER	TEST RE	PLICATE	NUMBE	R							MEAN	STD.
	1	2	3	4	5	6	7	8	9	10	1	
Density/Specific Gravity (ASTM D 792,	, Method A)											
Density (g/cm3)	1.197	1.201	1.209								1.202	0.006
Wide Width Tensile Properties (ASTM	D 6637, Meth	rod B)									 	
MD Number of Ribs per Specimen:	5											
MD Number of Ribs per foot:	10.8											
MD Ultimate Strength (lbs)	2388	2396	2385	2345	2366						2376	21
MD Ultimate Strength (lbs/ft)	5137	5153	5130	5044	5090						5111	44
MD Ultimate Strength (kN/m)	75.0	75.2	74.9	73.6	74.3						74.6	0.6
MD Strength @ 2% Strain (lbs)	593	591	562	580	594						584	13
MD Strength @ 2% Strain (lbs/ft)	1276	1272	1209	1248	1277						1257	29
MD Strength @ 2% Strain (kN/m)	18.6	18.6	17.7	18.2	18.6						18.3	0.4
MD Strength @ 5% Strain (lbs)	1316	1383	1247	1316	1309						1314	48
MD Strength @ 5% Strain (lbs/ft)	2832	2976	2682	2832	2815						2827	104
MD Strength @ 5% Strain (kN/m)	41.3	43.5	39.2	41.3	41.1						41.3	1.5
MD Strength @ 10% Strain (lbs)	2386	2394	2374								2385	10
MD Strength @ 10% Strain (lbs/ft)	5132	5150	5108								5130	21
MD Strength @ 10% Strain (kN/m)	74.9	75.2	74.6								74.9	0.3
MD Break Elongation (%)	10.0	10.1	10.2	9.7	9.9						10.0	0.2
TD Number of Ribs per Specimen:	5											
TD Number of Ribs per foot:	12.7											
TD Ultimate Strength (lbs)	2889	2879	2878	2875	2877						2880	5
TD Ultimate Strength (lbs/ft)	7341	7318	7315	7308	7313						7319	13
ΓD Ultimate Strength (kN/m)	107	107	107	107	107						107	0
TD Strength @ 2% Strain (lbs)	464	490	470	473	461						471	11
TD Strength @ 2% Strain (lbs/ft)	1179	1245	1193	1202	1172						1198	29
TD Strength @ 2% Strain (kN/m)	17.2	18.2	17.4	17.6	17.1						17.5	0.4
TD Strength @ 5% Strain (lbs)	776	779	774	776	759						773	8
ΓD Strength @ 5% Strain (lbs/ft)	1973	1980	1967	1972	1929						1964	20
ΓD Strength @ 5% Strain (kN/m)	28.8	28.9	28.7	28.8	28.2						28.7	0.3
ΓD Strength @ 10% Strain (lbs)	2125	2110	2032	2075	2064						2081	37
ΓD Strength @ 10% Strain (lbs/ft)	5401	5362	5164	5273	5246						5289	95
TD Strength @ 10% Strain (kN/m)	78.9	78.3	75.4	77.0	76.6						77.2	1.4
TD Break Elongation (%)	14.2	13.7	14.4	14.2	14.1						14.1	0.3
Mass/Unit Area (ASTM D 5261)												
Mass/unit area (oz/sq.yd)	17.3	17.4	17.7	17.8	17.8	17.6	17.4	18.0	17.8	17.9	17.7	0.2

MD - Machine Direction TD - Transverse/Cross Machine Direction



TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: 5XTBD Tencate Geogrid Sample Identification: 032191670 TRI Log #: E2348-04-06

											1	STD.
PARAMETER	TEST RE	EPLICATE	NUMBE	R							MEAN	DEV.
	1	2	3	4	5	6	7	8	9	10		,
Density/Specific Gravity (ASTM D 792	2, Method A)											
Density (g/cm3)	1.206	1.207	1.208								1.207	0.001
Wide Width Tensile Properties (ASTM	/I D 6637, Meth	rod B)						· ·				
MD Number of Ribs per Specimen:	5											
MD Number of Ribs per foot:	10.7											
MD Ultimate Strength (lbs)	2343	2301	2344	2354	2322						2333	21
MD Ultimate Strength (ibs/ft)	5037	4947	5039	5061	4993						5015	45
MD Ultimate Strength (kN/m)	73.5	72.2	73.6	73.9	72.9						73.2	0.7
MD Chimate Stierigth (MV/H)	73.3	12.2	73.0	13.9	12.5						73.2	0.7
MD Strength @ 2% Strain (lbs)	583.9	577.7	593.8	572.2	584.7						582	8
MD Strength @ 2% Strain (lbs/ft)	1255	1242	1277	1230	1257						1252	17
MD Strength @ 2% Strain (kN/m)	18.3	18.1	18.6	18.0	18.4						18.3	0.3
NAD CA	4054	4000	4404	4000	4007						4004	40
MD Strength @ 5% Strain (lbs)	1354	1339	1434	1339	1337						1361	42
MD Strength @ 5% Strain (lbs/ft)	2910	2879	3083	2877	2875						2925	90
MD Strength @ 5% Strain (kN/m)	42.5	42.0	45.0	42.0	42.0						42.7	1.3
MD Break Elongation (%)	9.41	9.03	9.03	9.57	9.81						9.37	0.34
TD Number of Ribs per Specimen:	5											
TD Number of Ribs per foot:	12.7										1	
To Manual of Mad por look	12											
TD Ultimate Strength (lbs)	2962	2980	2976	2980	3005						2981	15
TD Ultimate Strength (lbs/ft)	7509	7553	7544	7553	7617						7555	39
TD Ultimate Strength (kN/m)	110	110	110	110	111						110	1
TD Strength @ 2% Strain (lbs)	469	483	479	472	467						474	7
TD Strength @ 2% Strain (lbs/ft)	1189	1223	1214	1196	1185						1201	17
TD Strength @ 2% Strain (kN/m)	17.4	17.9	17.7	17.5	17.3						17.5	0.2
TD Strength @ 5% Strain (lbs)	779	803	800	795	780						791	12
TD Strength @ 5% Strain (lbs/ft)	1974	2037	2028	2016	1976						2006	29
TD Strength @ 5% Strain (kN/m)	28.8	29.7	29.6	29.4	28.8						29.3	0.4
3 3	-											•
TD Strength @ 10% Strain (lbs)	2039	2111	2184	2160	2073						2113	60
TD Strength @ 10% Strain (lbs/ft)	5167	5350	553 5	5475	5255						5356	152
TD Strength @ 10% Strain (kN/m)	75.4	78.1	80.8	79.9	76.7						78.2	2.2
TD Break Elongation (%)	13.8	13.8	13.5	13.6	14.4						13.8	0.3
Mass/Unit Area (ASTM D 5261)		·										
Mass/unit area (oz/sq.yd)	17.0	17.1	17.1	17.2	17.0	17.1	17.6	17.6	17.7	17.4	17.3	0.3

MD - Machine Direction TD - Transverse/Cross Machine Direction

Attachment 6-4

Uniaxial Geogrid CQA Conformance Test Results



October 7, 2010

Mail To:

Bill To:

Dominique Bramlett SCS Engineers

<= Same

4041 Park Oaks Blvd., Suite 100 Tampa, Florida 33610-9501

email: dbramlett@scsengineers.com cc:email: ehilton@scsengineers.com

Dear Ms. Bramlett:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project:

Citrus County Landfill

TRI Job Reference Number:

E2348-29-07

Material(s) Tested:

Tencate 22 XT Four Geogrid(s)

Test(s) Requested:

Mass/Unit Area (ASTM D 5261)

Density/Specific Gravity (ASTM D 792, Method A)

Single Rib Tensile (GRI GG1-87)

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Mansukh Patel

Sr. Laboratory Coordinator Geosynthetic Services Division www.GeosyntheticTesting.com

cc: Sam R. Allen, Vice President and Division Manager



TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: Tencate 22XT Geogrid Sample Identification: 031123885 TRI Log #: E2348-29-07

•										-		STD.
PARAMETER	TEST REPL	ICATE NU	JMBER 3	4	5	6	7	8	9	10	MEAN	DEV.
Density/Specific Gravity (ASTM D 792,	•	2	3	4	3	0	,	•	3	10		
Density (g/cm3)	1.224	1.230	1.207								1.220	0.012
Single Rib Tensile (GRI GG1-87)												
MD Number of Ribs per Specimen: MD Number of Ribs per foot:	1 12.4											
MD Ultimate Strength (lbs) MD Ultimate Strength (lbs/ft) MD Ultimate Strength (kN/m)	1981 24496 358	2012 24884 363	1918 23723 346	1948 24089 352	1924 23800 347	1958 24214 354	1971 24380 356	1962 24271 354	1951 24125 352	1951 24135 352	1958 24212 353	27 334 5
MD Strength @ 2% Strain (lbs) MD Strength @ 2% Strain (lbs/ft) MD Strength @ 2% Strain (kN/m)	405 5011 73.2	408 5045 73.7	372 4598 67.1	368 4548 66.4	401 4964 72.5	365 4518 66.0	364 4506 65.8	364 4508 65.8	338 4178 61.0	382 4722 68.9	377 4660 68.0	22 276 4.0
Secant Modulus @ 2% Strain (lbs/ft)	250526	252239	229922	227405	248219	225908	225277	225376	208896	236124	232989	13778
MD Strength @ 5% Strain (lbs) MD Strength @ 5% Strain (lbs/ft) MD Strength @ 5% Strain (kN/m)	660 8159 119	666 8241 120	647 7998 117	631 7806 114	672 8310 121	613 7580 111	621 7686 112	609 7531 110	595 7362 107	638 7894 115	635 7857 115	26 321 5
MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m)	1658 20501 299	1618 20009 292	1657 20496 299	1630 20165 294	1691 20908 305	1577 19499 285	1550 19165 280	1598 19759 288	1537 19003 277	1615 19968 292	1613 19947 291	49 607 9
MD Break Elongation (%)	12.5	13.2	12.3	14.1	12.1	12.9	13.3	13.2	12.8	13.1	13.0	0.6
Mass/Unit Area (ASTM D 5261)							•					
Mass/unit area (oz/sq.yd)	25.5	26.1	26.0	26.0	25.8	25.3	25.8	25.8	24.8	26.0	25.7	0.4

MD - Machine Direction TD - Transverse/Cross Machine Direction

Note: No allowances are made in calculating Secant Modulus.



TRI Client: SCS Engineers Project: Citrus County Landfill

Material: Tencate 22XT Geogrid Sample Identification: 031123888 TRI Log #: E2348-29-07

PARAMETER	TEST REPI	ICATE NI	IMRER								MEAN	STD. DEV.
1700000	1	2	3	4	5	6	7	8	9	10	11127.01	DEV.
Density/Specific Gravity (ASTM D 792	, Method A)											
Density (g/cm3)	1.203	1.211	1.214								1.209	0.005
Single Rib Tensile (GRI GG1-87)		•										
MD Number of Ribs per Specimen: MD Number of Ribs per foot:	1 12.2											
MD Ultimate Strength (lbs) MD Ultimate Strength (lbs/ft) MD Ultimate Strength (kN/m)	1832 22436 328	1948 23856 348	1962 24026 351	1967 24084 352	1958 23975 350	1950 23874 349	1948 23859 348	1965 24058 351	1897 23228 339	1930 23628 345	1936 23702 346	42 512 7
MD Strength @ 2% Strain (lbs) MD Strength @ 2% Strain (lbs/ft) MD Strength @ 2% Strain (kN/m)	384 4696 68.6	335 4096 59.8	361 4420 64.5	369 4515 65.9	359 4392 64.1	350 4291 62.7	361 4425 64.6	351 4303 62.8	304 3722 54.3	389 4767 69.6	356 4363 63.7	24 298 4.3
Secant Modulus @ 2% Strain (lbs/ft)	234808	204808	220978	225735	219624	214561	221265	215149	186080	238353	218136	14875
MD Strength @ 5% Strain (lbs) MD Strength @ 5% Strain (lbs/ft) MD Strength @ 5% Strain (kN/m)	621 7608 111	578 7077 103	611 7481 109	605 7405 108	590 7228 106	587 7193 105	608 7449 109	595 7286 106	553 6768 99	627 7683 112	598 7318 107	22 270 4
MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m)	1604 19641 287	1462 17907 261	1537 18825 275	1517 18573 271	1496 18321 267	1506 18439 269	1556 19050 278	1493 18281 267	1335 16352 239	1564 19147 280	1507 18454 269	73 892 13
MD Break Elongation (%)	11.6	13.2	12.8	13.0	13.1	13.3	12.8	13.2	14.0	12.9	13.0	0.6
Mass/Unit Area (ASTM D 5261)				-		-						
Mass/unit area (oz/sq.yd)	23.3	23.8	24.3	24.5	24.5	24.6	24.4	24.8	23.9	24.8	24.3	0.5

MD - Machine Direction TD - Transverse/Cross Machine Direction

Note: No allowances are made in calculating Secant Modulus.



GEOGRID TEST RESULTS
TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: Tencate 22XT Geogrid Sample Identification: 031123892 TRI Log #: E2348-29-07

PARAMETER	TEST REPL	ICATE NI	IMRER								MEAN	STD. DEV.
PAGAMETER	1	2	3	4	5	6	7	8	9	10		
Density/Specific Gravity (ASTM D 792	Method A)											
Density (g/cm3)	1.210	1.204	1.213								1.209	0.005
Single Rib Tensile (GRI GG1-87)		•								-		
MD Number of Ribs per Specimen: MD Number of Ribs per foot:	1 12.3											
MD Ultimate Strength (lbs) MD Ultimate Strength (lbs/ft) MD Ultimate Strength (kN/m)	1976 24392 356	1984 24498 358	1991 24575 359	1995 24635 360	2024 24982 365	1948 24047 351	1982 24467 357	1960 24192 353	1959 24189 353	1986 24519 358	1980 24450 357	22 267 4
MD Strength @ 2% Strain (lbs) MD Strength @ 2% Strain (lbs/ft) MD Strength @ 2% Strain (kN/m)	358 4418 64.5	335 4141 60.5	370 4568 66.7	341 4211 61.5	400 4939 72.1	375 4630 67.6	390 4816 70.3	370 4566 66.7	337 4158 60.7	362 4469 65.2	364 4492 65.6	22 270 3.9
Secant Modulus @ 2% Strain (lbs/ft)	220877	207056	228414	210574	246951	231512	240802	228309	207895	223451	224584	13486
MD Strength @ 5% Strain (lbs) MD Strength @ 5% Strain (lbs/ft) MD Strength @ 5% Strain (kN/m)	601 7425 108	565 6971 102	612 7557 110	583 7200 105	644 7950 116	605 7463 109	613 7570 111	612 7551 110	572 7058 103	600 7406 108	601 7415 108	23 283 4
MD Strength @ 10% Strain (lbs) MD Strength @ 10% Strain (lbs/ft) MD Strength @ 10% Strain (kN/m)	1499 18508 270	1462 18053 264	1540 19018 278	1458 17999 263	1592.1 19655 287	1528.2 18867 275	1524 18812 275	1574 19435 284	1419 17513 256	1511 18650 272	1511 18651 272	54 661 10
MD Break Elongation (%)	13.4	14.0	13.8	13.6	13.4	13.8	13.3	13.9	13.4	13.6	13.6	0.2
Mass/Unit Area (ASTM D 5261)								-				
Mass/unit area (oz/sq.yd)	25.1	25.8	24.9	26.0	25.4	24.2	24.4	25.6	24.7	25.6	25.2	0.6

MD - Machine Direction TD - Transverse/Cross Machine Direction

Note: No allowances are made in calculating Secant Modulus.



TRI Client: SCS Engineers Project: Citrus County Landfill

Material: Tencate 22XT Geogrid Sample Identification: 031123895 TRI Log #: E2348-29-07

D. D. A. H. S. T. D.	TC07 DC0											STD.
PARAMETER	TEST REPL	JCATE NO	3 3	4	5	6	7	8	9	10	MEAN	DEV.
Density/Specific Gravity (ASTM D 792,	Method A)	2	3	4	5	ь	,	•	9	10		
	,											
Density (g/cm3)	1.209	1.204	1.205								1.206	0.003
Single Rib Tensile (GRI GG1-87)												
ongo tao tonono (era cer er)												
MD Number of Ribs per Specimen:	1											
MD Number of Ribs per foot:	12.4											
MD Ultimate Strength (lbs)	1958	1942	1949	1949	1940	1978	1915	1985	1890	1996	1950	32
MD Ultimate Strength (lbs/ft)	24298	24098	24181	24184	24066	24536	23761	24630	23449	24767	24197	396
MD Ultimate Strength (kN/m)	355	352	353	353	351	358	347	360	342	362	353	6
MD Strength @ 2% Strain (lbs)	350	381	378	392	388	426	348	334	391	368	376	27
MD Strength @ 2% Strain (lbs/ft)	4345	4725	4685	4867	4817	5284	4319	4146	4850	4571	4661	331
MD Strength @ 2% Strain (kN/m)	63.4	69.0	68.4	71.1	70.3	77.1	63.1	60.5	70.8	66.7	68.1	4.8
Secant Modulus @ 2% Strain (lbs/ft)	217241	236249	234258	243359	240853	264203	215957	207291	242515	228569	233050	16549
MD Strength @ 5% Strain (lbs)	604	628	631	642	629	667	612	586	632	609	624	22
MD Strength @ 5% Strain (lbs/ft)	7488	7789	7833	7965	7807	8273	7594	7272	7845	7558	7742	278
MD Strength @ 5% Strain (kN/m)	109	114	114	116	114	121	111	106	115	110	113	4
MD Strength @ 10% Strain (lbs)	1543	1523	1611	1592	1565	1614	1586	1469	1561	1567	1563	44
MD Strength @ 10% Strain (lbs/ft)	19139	18894	19985	19757	19419	20026	19675	18228	19365	19442	19393	541
MD Strength @ 10% Strain (kN/m)	279	276	292	288	284	292	287	266	283	284	283	8
MD Break Elongation (%)	13.5	14.2	14.0	12.6	13.6	12.9	13.6	13.4	12.9	13.2	13.4	0.5
Mass/Unit Area (ASTM D 5261)												
Mass/unit area (oz/sq.yd)	24.0	24.3	24.2	24.6	24.7	24.5	25.2	24.0	23.8	24.5	24.4	0.4

MD - Machine Direction TD - Transverse/Cross Machine Direction

Note: No allowances are made in calculating Secant Modulus.

Attachment 6-5

Geogrid CQA Interface Friction Test Reports

Interface Friction Test Report

Client:

SCS Engineers

TRI Log#: E2337-95-02

John M. Allen, P.E., 10/21/2010

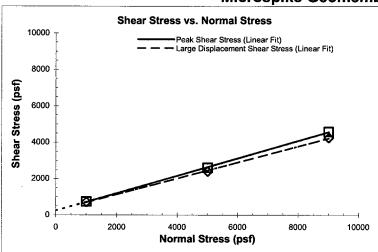
Project:

Citrus County Central Landfill Phase 3 Test Date: 10/18/10-10/20/10

Test Method: ASTM D 5321

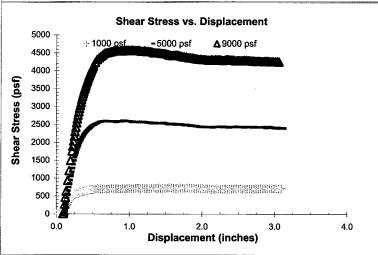
Quality Review/Date

Tested Interface: Subbase Soil vs. Marifi 5XT Geogrid (32191666) vs. Agru 60 mil HDPE Microspike Geomembrane (338579.10)



Test Results							
	Peak	Large Displacement (@ 3.0 in.)					
Friction Angle (degrees):	25.7	23.9					
Y-intercept or Adhesion (psf):	240	246					

Shearing occurred at the geogrid/geomembrane interface.



	Test Conditions
Upper Box &	Subbase Soil remolded to 102.7 pcf at 14.6% moisture content
Floating	Marifi 5XT Geogrid

Lower Box

Agru 60 mil HDPE Microspike

Geomembrane (shiny side)

Box Dimensions: 12"x12"x4"

Interface

Interface soaked and loading applied for

Conditioning:

a minimum of 24 hours prior to shear.

Test Condition: Wet

Shearing Rate: 0.04 inches/minute

Test Data									
Specimen No.	1	2	3						
Bearing Slide Resistance (lbs)	18	56	94						
Normal Stress (psf)	1000	5000	9000						
Corrected Peak Shear Stress (psf)	739	2607	4584						
Corrected Large Displacement Shear Stress (psf)	717	2399	4254						
Peak Secant Angle (degrees)	36.4	27.5	27.0						
Large Displacement Secant Angle (degrees)	35.6	25.6	25.3						
Large Displacement Secant Angle (degrees)	30.0	30.2	30.6						

Interface Friction Test Report

Client:

SCS Engineers

TRI Log#: E2337-95-02

John M. Allen, P.E., 10/21/2010

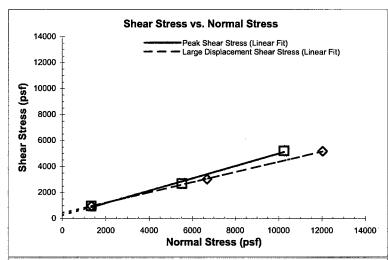
Project: Citrus County Central Landfill Phase 3

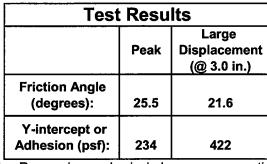
Test Method: ASTM D 6243

Quality Review/Date

Test Date: 10/20/10-10/21/10

Tested Interface: Bentomat ST GCL (7911) vs. Marifi 5XT Geogrid (32191666) vs. Subbase Soil





Note: Regression angles include an area correction. Shearing occurred at the geogrid/GCL interface under the 5000 & 9000 psf loads and at the geogrid/soil interface under 1000 psf load.

		Shear Stress vs. Displacement
	6000	
_	5000 -	
Shear Stress (psf)	4000	
r Stre	3000	
Shea	2000 -	+ 1000 psf - 5000 psf
	1000 -	entimentaling and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis and an analysis
	0 -	
	0.	0 1.0 2.0 3.0 4.0 Displacement (inches)

Test Condition	ons	
----------------	-----	--

Upper Box & Bentomat ST GCL (white side)

Floating Marifi 5XT geogrid

Lower Box Subbase Soil remolded to 102.7 pcf at

14.6% moisture content

Box Dimensions: 12"x12"x4"

Interface Interface soaked and loading applied for

Conditioning: a minimum of 24 hours prior to shear.

Test Condition: Wet

Shearing Rate: 0.04 inches/minute

Test Data									
Specimen No. 1 2 3									
Bearing Slide Resistance (lbs)	18	56	94						
Area Corrected Normal Stress (psf)	1327	5507	10241						
Area Corrected Peak Shear Stress (psf)	963	2683	5207						
Area Corrected Large Displacement Normal Stress (psf)	1331	6673	12008						
Area Corrected Large Displacement Shear Stress (psf)	964	3028	5183						
Peak Secant Angle (degrees)	36.0	26.0	27.0						
Large Displacement Secant Angle (degrees)	35.9	24.4	23.3						

Interface Friction Test Report

Client:

SCS Engineers

Test Date: 10/18/10-10/19/10

TRI Log#: E2337-95-02

John M. Allen, P.E., 10/19/2010

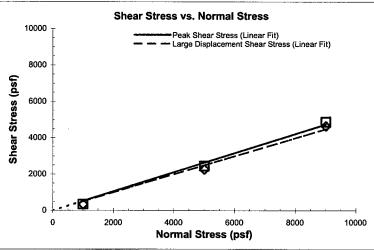
Project: C

Citrus County Central Landfill Phase 3

Test Method: ASTM D 5321

Quality Review/Date

Tested Interface: Protective Cover Soil vs. Marifi 22ST Geogrid (031123885) vs. Syntec TenDrain 770-2 Double-sided Geocomposite (1000051)



Test Results							
	Peak	Large Displacement (@ 3.0 in.)					
Friction Angle (degrees):	27.8	26.5					
Y-intercept or Adhesion (psf):	0	0					

Shearing occurred at the geogrid/geocomposite interface. Peak & large displacement friction angle regression analyses were adjusted to fit a zero y-intercept.

6000 _T	Shear S	tress vs. Displa	cement	
0000		-⊱1000 psf	- 5000 psf	△ 9000 psf
5000				
3000 -				
3000	F			
2000				
1000				
0 -				
0.0	1.0	2.0 isplacement (in	3.0	4.0

Test Conditions								
Upper Box &	Protective Cover Soil remolded to 100.4 pcf at 13.9% moisture content							
Floating Lower Box	22ST Geogrid Syntec TenDrain 770-2 double-sided geocomposite (circular aperture side)							
Box Dimensio	ns: 12"x12"x4"							

Box Dimensions: 12 x 12 x 4"

Interface

Interface soaked and loading applied for

Conditioning:

a minimum of 24 hours prior to shear.

Test Condition: Wet

Shearing Rate: 0.04 inches/minute

Test Data								
Specimen No. 1 2 3								
Bearing Slide Resistance (lbs)	18	56	94					
Normal Stress (psf)	1000	5000	9000					
Corrected Peak Shear Stress (psf)	350	2452	4872					
Corrected Large Displacement Shear Stress (psf)	342	2261	4641					
Peak Secant Angle (degrees)	19.3	26.1	28.4					
Large Displacement Secant Angle (degrees)	18.9	24.3	27.3					

Attachment 6-6

Biaxial Geogrid Panel Placement Logs

SCS Engineers (BIAXIAL)					SHEET		1of10
					PROJECT TITL		Landfill Phase 3 Expansion
GEO(GRID PLACEM	TENT I	OG		PROJECT NO.	09207049	
					DATE	_10/5/10	
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS
P-1	032191660	154	12		E-W	0824	EAST SLOPE AREA
P-2	032191660	154	12		E-W	0830	EAST SLOPE AREA
P-3	032191660	155	12		E-W	0837	EAST SLOPE AREA
P-4	032191660	155	12		E-W	0846	EAST SLOPE AREA
P-5	032191660	155	12		E-W	0851	EAST SLOPE AREA
P-6	032191660	155	12		E-W	0858	EAST SLOPE AREA
P-7	032191660	154	12		E-W	0905	EAST SLOPE AREA
P-8	032191660	154	12		E-W	0910	EAST SLOPE AREA
P-9	032191660	154	12		E-W	0914	EAST SLOPE AREA
P-10	032191660	80	12		E-W	0924	EAST SLOPE AREA
P-11	032191660	47	12		E-W	0929	NORTH-EAST SLOPE AREA
P-12	032191660	85	12		E-W	0934	NORTH-EAST SLOPE AREA
P-13	032191660	120	12		E-W	0940	NORTH-EAST SLOPE AREA
P-14	032191663	156	12		E-W	0951	NORTH-EAST SLOPE AREA
P-15	032191663	156	12		E-W	0957	NORTH-EAST SLOPE AREA
P-16	032191663	154	12'		E-W	1004	NORTH-EAST SLOPE AREA
P-17	032191663	152	12		E-W	1012	NORTH-EAST SLOPE AREA
P-18	032191663	153	12		E-W	1020	NORTH-EAST SLOPE AREA
P-19	032191663	153	12		E-W	1035	NORTH-EAST SLOPE AREA
P-20	032191663	127	12		E-W	1040	NORTH-EAST SLOPE AREA
P-21	032191663	101	12		E-W	1045	NORTH-EAST SLOPE AREA

Paul Siriboury

SIGNATURE:

SCS Engi	neers (BIAXIAL)				SHEET PROJECT TITL	F Central	2 of 10 Landfill Phase 3 Expansion		
CEO	GRID PLACEN	AENIT I	20.1		PROJECT NO.	09207049			
		ATTELL T	LOG		DATE	_10/5/10			
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS		
P-22	032191663	77	12		NE-SW	1051	NORTH WEST CORNER		
P-23	032191663	50	12		NE-SW	1055	NORTH WEST CORNER		
P-24	032191663	23	12		NE-SW	1059	NORTH WEST CORNER		
P-25	032191663	153	12		NE-SW	1104	NORTH WEST CORNER		
P-26	032191663	152	12		NE-SW	1108	NORTH WEST CORNER		
P-27	032191672	152	12		NE-SW	0801	10/6/10		
P-28	032191672	152	12		NE-SW	0809	10/6/10		
P-29	032191672	152	12		NE-SW	0814	10/6/10		
P-30	032191672	152	12		NE-SW	0819	10/6/10		
P-31	032191672	152	12		NE-SW	0827	10/6/10		
P-32	032191672	152	12		NE-SW	0835	10/6/10		
P-33	032191660	152	12		NE-SW	0841	10/6/10		
P-34	032191672	32	12		NE-SW	0847	10/6/10		
P-35	032191672	63	12		NE-SW	0853	10/6/10		
P-36	032191672	92	12		NE-SW	0859	10/6/10		
P-37	032191672	123	12		NE-SW	0909	10/6/10		
P-38	032191672	153	12		N-S	0927	10/6/10		
P-39	032191672	154	12		N-S	0935	10/6/10		
P-40	032191672	154	12		N-S	0940	10/6/10		
P-41	032191667	98	12		N-S	0944	10/6/10		

0950

N-S

P-42

032191672

41

12

Paul Siriboury

SIGNATURE:

for /

10/6/10

SCS Engineers (BIAXIAL) SHEET of 10 PROJECT TITLE Central Landfill Phase 3 Expansion PROJECT NO. 09207049.06 **GEOGRID PLACEMENT LOG** DATE 10/6/10 PANEL ROLL THICK-LENGTH WIDTH ORIENTATION TIME WEATHER/CONDITIONS/COMMENTS NO. NO. NESS P-43 032191667 N-S 154 12 0954 NORTH SLOPE P-44 032191667 12 **NORTH SLOPE** 154 N-S 0959 P-45 032191667 **NORTH SLOPE** 12 N-S 155 1004 032191667 P-46 155 12 N-S 1008 **NORTH SLOPE** P-47 032191667 155 12 N-S 1013 **NORTH SLOPE** P-48 032191667 12 N-S **NORTH SLOPE** 156 1017 032191667 P-49 N-S NORTH SLOPE 156 12 1022 032191667 P-50 12 N-S NORTH SLOPE 156 1026 P-51 032191667 157 12 N-S 1030 NORTH SLOPE P-52 032191667 157 12 N-S 1038 NORTH SLOPE P-53 032191667 **NORTH SLOPE** 158 12 N-S 1042 P-54 10/7/10 032191668 158 12 N-S 0800 P-55 032191668 10/7/10 158 12 N-S 0805 10/7/10 P-56 032191668 12 N-S 0811 158 P-57 032191668 10/7/10 N-S 12 0816 160 P-58 032191668 10/7/10 12 N-S 160 0824 P-59 032191668 10/7/10 160 12 N-S 0836 10/7/10 P-60 032191668 12 N-S 0842 160 10/7/10 P-61 032191668 12 N-S 116 0847 10/7/10 P-62 032191668 12 64 N-S 0853 10/7/10 P-63 032191668 164 12 N-S 0900

PRINT NAME:

SIGNATURE:

SCS Engir	neers (BIAXIAL)				SHEET		4of10	
			PROJECT TITL		al Landfill Phase 3 Expansion			
GEOG	GRID PLACEN	MENT I	LOG		PROJECT NO. DATE	09207049 _10/7/10		
PANEL	ROLL			THICK-	DATE	_10/ // 10	<u></u>	=
NO.	NO.	LENGTH	WIDTH	NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS	_
P-64	032191668	164	12		N-S	0909	NORTH SLOPE	
P-65	032191668	164	12		N-S	0914	NORTH SLOPE	
P-66	032191662	165	12		N-S	0924	NORTH SLOPE	
P-67	032191662	165	12		N-S	0930	NORTH SLOPE	
P-68	032191662	165	12		N-S	0940	NORTH SLOPE	
P-69	032191662	165	12		N-S	0948	NORTH SLOPE	
P-70	032191662	165	12		N-S	0954	NORTH SLOPE	
P-71	032191662	165	12		N-S	1005	NORTH SLOPE	
P-72	032191662	165	12		N-S	1009	NORTH SLOPE	
P-73	032191662	165	12		N-S	1015	NORTH SLOPE	_
P-74	032191662	165	12		N-S	1028	NORTH SLOPE	_
P-75	032191658	124	12		N-S	1400	10/18/10	
P-76	032191658	138	12		N-S	1409	FLOOR AREA	
P-77	032191658	147	12		N-S	1414	FLOOR AREA	_
P-78	032191658	150	12		N-S	1420	FLOOR AREA	
P-79	032191658	157	12		N-S	1424	FLOOR AREA	_
P-80	032191658	160	12		N-S	1430	FLOOR AREA	_
P-81	032191658	171	12		N-S	1434	FLOOR AREA	
P-82	032191658	177	12		N-S	1438	FLOOR AREA	_
P-83	032191658	181	12		N-S	1447	FLOOR AREA	_
P-84	032191658	180	12		N-S	1452	FLOOR AREA	_
P-85	032191658	175	12		N-S	1457	FLOOR AREA	

SIGNATURE:

SCS Engi	neers (BIAXIAL)				SHEET		5	_of	10	
GEOGRID PLACEMENT LOG				PROJECT TITLE PROJECT NO. DATE Central Landfill Phase 3 Expansion 09207049.06						
PANEL	ROLL			THICK-		·				
NO.	NO.	LENGTH	WIDTH	NESS	ORIENTATION	TIME	<u>w</u>	EATHER/CONDITION	S/COMMENTS	
P-86	032191658	70	12		N-S	1502		FLOOR A	REA	
P-87	032191666	06	12		NT C	1507		ET OOD A	DEA	

PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS
P-86	032191658	70	12		N-S	1502	FLOOR AREA
P-87	032191666	96	12		N-S	1507	FLOOR AREA
P-88	032191666	166	12		N-S	1512	FLOOR AREA
P-89	032191666	160	12		N-S	1516	FLOOR AREA
P-90	032191666	155	12		N-S	1519	FLOOR AREA
P-91	032191666	148	12		N-S	1523	FLOOR AREA
P-92	032191666	144	12		N-S	1528	FLOOR AREA
P-93	032191666	139	12	-	N-S	1532	FLOOR AREA
P-94	032191666	135	12		N-S	1536	FLOOR AREA
P-95	032191666	129	12		N-S	1540	FLOOR AREA
P-96	032191666	125	12		N-S	1544	FLOOR AREA
P-97	032191666	119	12		N-S	1549	FLOOR AREA
P-98	032191666	117	12		N-S	1556	FLOOR AREA
P-99	032191662	110	12		N-S	0735	10/26/10
P-100	032191662	45	12		N-S	0740	10/26/10
P-101	032191661	110	12		N-S	0746	10/26/10
P-102	032191661	106	12		N-S	0753	10/26/10
P-103	032191661	103	12		N-S	0801	10/26/10
P-104	032191661	95	12		N-S	0812	10/26/10
P-105	032191661	94	12		N-S	0816	10/26/10
P-106	032191661	91	12		N-S	0824	10/26/10
P-107	032191661	90	12		N-S	0831	10/26/10

SCS Engi	neers (BIAXIAL)				SHEET		6of10			
8	,				PROJECT TITLE		Landfill Phase 3 Expansion			
CEO	TOTA DI ACEN	AENT I	OG		PROJECT NO.	<u>0920704</u>	9.06			
GEOGRID PLACEMENT LOG					DATE10/26/10					
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS			
P-108	032191661	87	12		N-S	0835				
P-109	032191661	87	12		N-S	0840				
P-110	032191661	82	12		N-S	0851				
P-111	032191661	79	12		N-S	0855	·			
P-112	032191661	76	12		N-S	0902				
P-113	032191661	73	12		N-S	0907				
P-114	032191661	75	12		N-S	0914				
P-115	032191661	72	12		N-S	0918				
P-116	032191661	70	12		N-S	0924				
P-117	032191661	68	12		N-S	0931				
P-118	032191661	68	12		N-S	0936				
P-119	032191661	66	12		N-S	0942				
P-120	032191661	68	12		N-S	0951				
P-121	032191662	163	12		N-S	0738	10/27/10			
P-122	032191665	165	12		N-S	0742	10/27/10			
P-123	032191665	166	12		N-S	0747	10/27/10			
P-124	032191665	166	12		N-S	0753	10/27/10			
P-125	032191665	166	12		N-S	0758	10/27/10			
P-126	032191665	167	12		N-S	0805	10/27/10			
P-127	032191665	166	12		N-S	0812	10/27/10			
P-128	032191665	166	12		N-S	0817	10/27/10			
P-129	032191665	166	12		N-S	0823	10/27/10			

Paul Siriboyary

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					SHEET		7of10			
CEO	GRID PLACEN	AENIT I	000		PROJECT TITLI PROJECT NO.	<u>Central</u> 09207049	Landfill Phase 3 Expansion 9.06			
			70G		DATE					
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS			
P-130	032191665	166	12		N-S	0834				
P-131	032191664	167	12		N-S	0841				
P-132	032191664	169	12		N-S	0846				
P-133	032191664	167	12		N-S	0852				
P-134	032191664	169	12		N-S	0858				
P-135	032191664	169	12		N-S	0903				
P-136	032191664	169	12		N-S	0910				
P-137	032191664	169	12		N-S	0916				
P-138	032191664	169	12		N-S	0922				
P-139	032191662	71	12		N-S	0926				
P-140	032191662	67	12		N-S	0932				
P-141	032191662	23	12		N-S	0937				
P-142	032191665	44	12		N-S	0943				
P-143	032191665	68	12		N-S	0953				
P-144	032191665	31	12		N-S	0958				
P-145	032191661	35	12		N-S	1004				
P-146	032191661	67	12		N-S	1010				
P-147	032191661	68	12		N-S	1014				
P-148	032191661	67	12		N-S	1021				
P-149	032191661	68	12		N-S	1034				
P-150	032191661	66	12		N-S	1042				
P-151	032191661	66	12		N-S	1049				

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SCS Engir	neers (BIAXIAL)				SHEET		8of10	_
C	,				PROJECT TITL		Landfill Phase 3 Expansion	
GEOC	GRID PLACEN	MENT I	LOG		PROJECT NO.	09207049		
	<u></u>	<u> </u>		THICK-	DATE	10/27/10		
PANEL NO.	ROLL NO.	LENGTH	WIDTH	NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS	
P-152	032191661	66	12		N-S	1055		
P-153	032191661	63	12		N-S	1101		
P-154	032191661	65	12		N-S	1108		
P-155	032191664	170	12		N-S	0719	10/28/10	
P-156	032191664	169	12		N-S	0722	10/28/10	
P-157	032191664	170	12		N-S	0735	10/28/10	
P-158	032191659	170	12		N-S	0741	10/28/10	
P-159	032191659	170	12		N-S	0751	10/28/10	
P-160	032191659	170	12		N-S	0758	10/28/10	
P-161	032191659	171	12		N-S	0804	10/28/10	
P-162	032191659	173	12		N-S	0815	10/28/10	
P-163	032191659	174	12		N-S	0821	10/28/10	
P-164	032191659	157	12		N-S	0826	10/28/10	
P-165	032191659	149	12		N-S	0837	10/28/10	
P-166	032191659	134	12		N-S	0843	10/28/10	
P-167	032191659	121	12		N-S	0850	10/28/10	
P-168	032191659	105	12		N-S	0857	10/28/10	
P-169	032191659	92	12		N-S	0905	10/28/10	
P-170	032191664	79	12		N-S	0914	10/28/10	
P-171	032191671	54	12		N-S	0922	10/28/10	
P-172	032191671	36	12		N-S	0927	10/28/10	
P-173	032191664	28	12	-	NW-SE	0936	10/28/10	

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SCS Engi	neers (BIAXIAL)				SHEET		9of10			
000 111.61					PROJECT TITL	E <u>Central</u>	Landfill Phase 3 Expansion			
CEOC	THE DIACEN	ATTENDED TO	20.1		PROJECT NO.	09207049	0.06			
GEU	GRID PLACEN	TENI 1	LUG		DATE 10/28/10					
PANEL	ROLL			THICK-						
NO.	NO.	LENGTH	WIDTH	NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS			
P-174	03219659	25	12		NW-SE	0945				
P-175	03219671	44	12		NW-SE	0953				
P-176	03219671	63	12		E-W	1004				
P-177	03219671	67	12		E-W	1013				
P-178	03219671	80	12		E-W	1023				
P-179	03219671	106	12		E-W	1030				
P-180	03219671	107	12		E-W	1038				
P-181	03219671	126	12		E-W	1041				
P-182	03219671	138	12		E-W	1049				
P-183	03219671	162	12		E-W	1058				
P-184	03219671	168	12		E-W	1109				
P-185	03219671	112	12		E-W	1119				
P-186	03219671	125	12		E-W	1136				
P-187	03219671	112	12		E-W	1143				
P-188	03219671	32	12		N-S	1150				
P-189	03219671	31	12		N-S	1250				
P-190	03219671	30	12		N-S	1257				
P-191	03219671	32	12		N-S	1305				
P-192	03219671	32	12		N-S	1323				
P-193	03219664	208	12		E-W	1332				
P-194	03219664	208	12		E-W	1343				
P-195	03219664	208	12		E-W	1352				

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SCS Engi	neers (BIAXIAL)				SHEET		10of10			
8	,				PROJECT TITLE		andfill Phase 3 Expansion			
CEOC	GRID PLACE	MENT I	OG		PROJECT NO.	<u>09207049</u>				
GEOC	THID LEACE	ATTOLA T T	200		DATE 10/28/10					
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS			
P-196	032191664	164	12		W-E	1403				
P-197	032191664	160	12		W-E	1416				
P-198	032191659	68	12		N-S	0812	10/29/10			
P-199	032191659	68	12		N-S	0826	10/29/10			
P-200	032191659	68	12		N-S	0834	10/29/10			
P-201	032191659	68	12		N-S	0842	10/29/10			
P-202	032191659	68	12		N-S	0849	10/29/10			
P-203	032191659	68	12		N-S	0853	10/29/10			
P-204	032191659	68	12		N-S	0914	10/29/10			
P-205	032191659	68	12		N-S	0925	10/29/10			
P-206	032191659	68	12		N-S	0940	10/29/10			
P-207	032191659	68	12		N-S	1015	10/29/10			
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ME: Paul Siriboury

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Attachment 6-7

Uniaxial Geogrid Panel Placement Logs

SCS Engi	neers (Tensar UX1700I	is) (22×	T Uniaki	al)	SHEET	SHEET 1 of 10 PROJECT TITLE Central Landfill Phase 3 Expansion				
CEO		arana				PROJECT NO. 09207049.06				
GEO	GRID PLACEN	IENIJ	LOG		DATE 11/2/10					
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS			
P-1	31123899	9	12		N-S	0735	SOUTH SLOPE			
P-2	31123899	13	12		N-S	0743	SOUTH SLOPE			
P-3	31123899	13	12		N-S	0748	SOUTH SLOPE			
P-4	31123899	15	12		N-S	0754	SOUTH SLOPE			
P-5	31123899	15	12	-	N-S	0759	SOUTH SLOPE			
P-6	31123899	17	12		N-S	0810	SOUTH SLOPE			
P-7	31123899	15	12		N-S	0817	SOUTH SLOPE			
P-8	31123899	15	12		N-S	0826	SOUTH SLOPE			
P-9	31123899	15	12		N-S	0836	SOUTH SLOPE			
P-10	31123899	16	12		N-S	0842	SOUTH SLOPE			
P-11	31123899	16	12		N-S	0854	SOUTH SLOPE			
P-12	31123899	15	12		N-S	0910	SOUTH SLOPE			
P-13	31123899	15	12		N-S	0921	SOUTH SLOPE			
P-14	31123899	15	12		N-S	0930	SOUTH SLOPE			
P-15	31123899	15	12		N-S	0938	SOUTH SLOPE			
P-16	31123899	15	12		N-S	0945	SOUTH SLOPE			
P-17	31123899	15	12		N-S	0954	SOUTH SLOPE			
P-18	31123899	15	12		N-S	1008	SOUTH SLOPE			
P-19	31123899	15	12		N-S	1023	SOUTH SLOPE			
P-20	31123899	15	12		N-S	1032	SOUTH SLOPE			
P-21	31123899	15	12		N-S	1048	SOUTH SLOPE			

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SCS Engi	neers (Tensar UX1700I	IS)- (22x ⁻	TUNGKI	al)	SHEET		2 of 10
					PROJECT TITLI PROJECT NO.	6 <u>Central</u> 09207049	Landfill Phase 3 Expansion
GEO (GRID PLACEM	MENT I	LOG		DATE	_11/2/10	
PANEL	ROLL	LENGTH	WIDTH	THICK-	ORIENTATION	TIME	
NO. P-22	NO. 31123899	LENGTH		NESS			WEATHER/CONDITIONS/COMMENTS
		15	12		N-S	1053	SOUTH SLOPE
P-23	31123899	15	12		N-S	1125	SOUTH SLOPE
P-24	31123899	18	12		N-S	0810	11/12/10/SOUTH SLOPE
P-25	31123899	18	12		N-S	0816	11/12/10/SOUTH SLOPE
P-26	31123899	18	12		N-S	0823	11/12/10/SOUTH SLOPE
P-27	31123899	18	12		N-S	0829	11/12/10/SOUTH SLOPE
P-28	31123899	18	12		N-S	0835	11/12/10/SOUTH SLOPE
P-29	31123899	24	12		N-S	0841	11/12/10/SOUTH SLOPE
P-30	31123899	24	12		N-S	0846	11/12/10/SOUTH SLOPE
P-31	31123899	24	12		N-S	0853	11/12/10/SOUTH SLOPE
P-32	31123899	24	12		N-S	0859	11/12/10/SOUTH SLOPE
P-33	31123899	24	12		N-S	0912	11/12/10/SOUTH SLOPE
P-34	31123899	24	12		N-S	0920	11/12/10/SOUTH SLOPE
P-35	31123899	27	12		N-S	0927	11/12/10/SOUTH SLOPE
P-36	31123899	27	12		N-S	0937	11/12/10/SOUTH SLOPE
P-37	31123899	27	12		N-S	0945	11/12/10/SOUTH SLOPE
P-38	31123899	27	12		N-S	0952	11/12/10/SOUTH SLOPE
P-39	31123899	27	12		N-S	0958	11/12/10/SOUTH SLOPE
P-40	31123888	27	12		N-S	1007	11/12/10/SOUTH SLOPE
P-41	31123888	27	12		N-S	1016	11/12/10/SOUTH SLOPE
P-42	31123888	27	12		N-S	1022	11/12/10/SOUTH SLOPE

Paul Siriboury

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SCS Eng	ineers (Tensar UX1700I	IS) (22xT	uniaxial	1)	SHEET	C	3of10 Landfill Phase 3 Expansion		
CEO	GRID PLACEM	ATENIT' I	00		PROJECT TITLI PROJECT NO.	<u>Central</u> 09207049			
		ICINII	LUG		DATE 11/12/10				
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS		
P-43	31123888	27	12		N-S	1029	SOUTH SLOPE		
P-44	31123888	27	12		N-S	1035	SOUTH SLOPE		
P-45	31123888	27	12		N-S	1042	SOUTH SLOPE		
P-46	31123888	27	12		N-S	1047	SOUTH SLOPE		
P-47	31123888	27	12		N-S	1053	SOUTH SLOPE		
P-48	31123888	27	12		N-S	1100	SOUTH SLOPE		
P-49	31123888	27	12		N-S	1105	SOUTH SLOPE		
P-50	31123888	27	12		N-S	1114	SOUTH SLOPE		
P-51	31123888	27	12		N-S	1121	SOUTH SLOPE		
P-52	31123888	27	12		N-S	1130	SOUTH SLOPE		
P-53	31123888	27	12		N-S	1230	SOUTH SLOPE		
P-54	31123888	27	12		N-S	1241	SOUTH SLOPE		
P-55	31123888	27	12		N-S	1246	SOUTH SLOPE		
P-56	31123888	27	12		N-S	1258	SOUTH SLOPE		
P-57	31123888	27	12		N-S	1304	SOUTH SLOPE		
P-58	31123888	27	12		N-S	1307	SOUTH SLOPE		
P-59	31123888	27	12		N-S	1313	SOUTH SLOPE		
P-60	31123888	27	12		N-S	1320	SOUTH SLOPE		
P-61	31123888	27	12		N-S	1328	SOUTH SLOPE		
P-62	31123888	27	12		N-S	1334	SOUTH SLOPE		
P-63	31123888	27	12		N-S	1343	SOUTH SLOPE		

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	neers (Tensar UX1700I GRID PLACEN	, -		١)	SHEET				
PANEL ROLL THICK-				THICK-	DATE	11/12/10			
NO.	NO.	LENGTH	WIDTH	NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS		
P-65	31123888	27	12		N-S	1356	SOUTH SLOPE		
P-66	31123888	27	12		N-S	1404	SOUTH SLOPE		
P-67	31123888	27	12		N-S	1412	SOUTH SLOPE		
P-68	31123888	27	12		N-S	1420	SOUTH SLOPE		
P-69	31123888	27	12		N-S	1427	SOUTH SLOPE		
P-70	31123888	27	12		N-S	1433	SOUTH SLOPE		
P-71	31123888	35	12		N-S	1447	SOUTH SLOPE		
P-72	31123888	35	12		N-S	1454	SOUTH SLOPE		
P-73	31123888	35	12		N-S	1520	SOUTH SLOPE		
P-74	31123885	155	12		E-W	0754	11/15/10/EAST SLOPE		
P-75	31123885	156	12		E-W	0810	11/15/10/EAST SLOPE		
P-76	31123885	156	12		E-W	0816	11/15/10/EAST SLOPE		
P-77	31123885	157	12		E-W	0822	11/15/10/EAST SLOPE		
P-78	31123885	155	12		E-W	0829	11/15/10/EAST SLOPE		
P-79	31123885	154	12		E-W	0836	11/15/10/EAST SLOPE		
P-80	31123885	155	12		E-W	0847	11/15/10/EAST SLOPE		
P-81	31123885	155	12		E-W	0902	11/15/10/EAST SLOPE		
P-82	31123885	155	12		E-W	0914	11/15/10/EAST SLOPE		
P-83	31123885	31	12		E-W	0925	11/15/10/EAST SLOPE		
P-84	31123885	59	12		E-W	0934	11/15/10/EAST SLOPE		
P-85	31123886	85	12		E-W	0941	11/15/10/EAST SLOPE		

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SCS Engi	neers (Tensar UX1700I	IS) (22 xT	Uninxial	()	SHEET PROJECT TITLE	Control	5 of 10 Landfill Phase 3 Expansion		
GEO	GRID PLACEM	AFNT I	OG		PROJECT NO.	09207049	0.06		
		TINI	200	1	DATE	DATE 11/15/10			
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS		
P-86	31123886	110	12		N-S	0952	EAST SLOPE		
P-87	31123886	153	12		N-S	1009	EAST SLOPE		
P-88	31123886	152	12		N-S	1021	EAST SLOPE		
P-89	31123886	152	12		N-S	1035	EAST SLOPE		
P-90	31123886	154	12		N-S	1045	EAST SLOPE		
P-91	31123886	156	12		N-S	1054	EAST SLOPE		
P-92	31123886	134	12		N-S	1105	EAST SLOPE		
P-93	31123886	122	12		N-S	1120	EAST SLOPE		
P-94	31123886	100	12		N-S	1130	EAST SLOPE		
P-95	31123886	75	12		NE-SW	1245	EAST SLOPE		
P-96	31123895	41	6		NE-SW	1300	NORTH EAST CORNER		
P-97	31123895	52	12		NE-SW	1314	NORTH EAST CORNER		
P-98	31123895	153	12		NE-SW	1328	NORTH EAST CORNER		
P-99	31123895	153	12		NE-SW	1356	NORTH EAST CORNER		
P-100	31123895	152	12		NE-SW	1430	NORTH EAST CORNER		
P-101	31123895	151	12		NE-SW	0835	11/16/10/NORTH EAST CORNER		
P-102	31123895	151	12		NE-SW	0846	11/16/10/NORTH EAST CORNER		
P-103	31123895	150	12		NE-SW	0853	11/16/10/NORTH EAST CORNER		
P-104	31123895	151	12		NE-SW	0904	11/16/10/NORTH EAST CORNER		
P-105	31123895	150	12		NE-SW	0916	11/16/10/NORTH EAST CORNER		
P-106	31123895	152	12		NE-SW	0926	11/16/10/NORTH EAST CORNER		

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SCS Engi	ineers (Fensar UX17001	IS) (ZZXT	uniaxial)	SHEET	SHEET 6 of 10 PROJECT TITLE Central Landfill Phase 3 Expansion				
GFO	GRID PLACEN	ÆNT I	OG		PROJECT NO.	09207049	0.06			
		\T_\T\ T\ _		V 1	DATE	11/16/10				
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS			
P-107	31123890	58	12		N-S	0949	NORTH SLOPE			
P-108	31123890	32	12		N-S	0956	NORTH SLOPE			
P-109	31123890	20	12		N-S	1004	NORTH SLOPE			
P-110	31123890	80	12		N-S	1013	NORTH SLOPE			
P-111	31123890	99	12		N-S	1020	NORTH SLOPE			
P-112	31123890	117	12		N-S	1025	NORTH SLOPE			
P-113	31123890	134	12		N-S	1033	NORTH SLOPE			
P-114	31123890	152	12		N-S	1040	NORTH SLOPE			
P-115	31123890	151	12		N-S	1045	NORTH SLOPE			
P-116	31123890	151	12		N-S	1052	NORTH SLOPE			
P-117	31123890	152	12		N-S	1059	NORTH SLOPE			
P-118	31123890	152	12		N-S	1104	NORTH SLOPE			
P-119	31123890	152	12		N-S	1115	NORTH SLOPE			
P-120	31123892	153	12		N-S	1123	NORTH SLOPE			
P-121	31123892	152	12		N-S	1135	NORTH SLOPE			
P-122	31123892	155	12		N-S	1225	NORTH SLOPE			
P-123	31123892	155	12		N-S	1232	NORTH SLOPE			
P-124	31123892	155	12		N-S	1245	NORTH SLOPE			
P-125	31123892	155	12		N-S	1457	NORTH SLOPE			
P-126	31123892	155	12		N-S	1505	NORTH SLOPE			
P-127	31123892	155	12		N-S	1520	NORTH SLOPE			

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SCS Engi	neers (Tensar IIX1700I	1S) (22 x7	- uniaxi'a	1)	SHEET PROJECT TITL	SHEET 7 of 10 PROJECT TITLE Central Landfill Phase 3 Expansion				
GEO	GRID PLACEN	MENT I	LOG		PROJECT NO.	09207049	0.06			
PANEL	ROLL			THICK-	DATE	11/16/10				
NO.	NO.	LENGTH	WIDTH	NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS			
P-128	31123892	156	12		N-S	1535	NORTH SLOPE			
P-129	31115225	157	12		N-S	1542	NORTH SLOPE			
P-130	31115225	157	12		N-S	1547	NORTH SLOPE			
P-131	31115225	157	12		N-S	1553	NORTH SLOPE			
P-132	31115225	161	12		N-S	1559	NORTH SLOPE			
P-133	31115225	162	12		N-S	1608	NORTH SLOPE			
P-134	31115225	162	12		N-S	1615	NORTH SLOPE			
P-135	31115225	85	12		N-S	1622	NORTH SLOPE			
P-136	31115225	20	12		N-S	1626	NORTH SLOPE			
P-137	31115225	166	12		N-S	1632	NORTH SLOPE			
P-138	31115225	165	12		N-S	1638	NORTH SLOPE			
P-139	31123891	169	12		N-S	1643	NORTH SLOPE			
P-140	31123891	166	12		N-S	1648	NORTH SLOPE			
P-141	31123891	167	12		N-S	1653	NORTH SLOPE			
P-142	31123891	166	12		N-S	1700	NORTH SLOPE			
P-143	31123891	165	12		N-S	0920	11/17/10/NORTH SLOPE			
P-144	31123891	166	12		N-S	0927	11/17/10/NORTH SLOPE			
P-145	31123891	166	12		N-S	0936	11/17/10/NORTH SLOPE			
P-146	31123891	167	12		N-S	0946	11/17/10/NORTH SLOPE			
P-147	31123891	167	12		N-S	0952	11/17/10/NORTH SLOPE			
P-148	31123896	165	12		N-S	0743	11/19/10/NORTH SLOPE			

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Paul Siriboury

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SCS Engi	neers (Tensar UX1700I	IS) (ZZXT	uniaxial)	SHEET	SHEET 8 of 10 PROJECT TITLE Central Landfill Phase 3 Expansion				
GEO	GRID PLACEM	MENT I	LOG		PROJECT NO.	<u>09207049</u>	0.06			
				[HTT TOTAL	DATE	11/19/10				
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS			
P-149	31123896	165	12		N-S	0759	NORTH SLOPE			
P-150	31123896	165	12		N-S	0810	NORTH SLOPE			
P-151	31123896	165	12		N-S	0815	NORTH SLOPE			
P-152	31123896	166	12		N-S	0823	NORTH SLOPE			
P-153	31123896	166	12		N-S	0831	NORTH SLOPE			
P-154	31123896	169	12		N-S	0836	NORTH SLOPE			
P-155	31123896	170	12		N-S	0842	NORTH SLOPE			
P-156	31123896	171	12		N-S	0847	NORTH SLOPE			
P-157	31125234	171	12		N-S	0851	NORTH SLOPE			
P-158	31125234	172	12		N-S	0859	NORTH SLOPE			
P-159	31125234	170	12		N-S	0908	NORTH SLOPE			
P-160	31125234	170	12		N-S	0916	NORTH SLOPE			
P-161	31125234	170	12		N-S	0926	NORTH SLOPE			
P-162	31125234	171	12		N-S	0935	NORTH SLOPE			
P-163	31125234	171	12		N-S	0942	NORTH SLOPE			
P-164	31125234	173	12		N-S	0947	NORTH SLOPE			
P-165	31125234	173	12		N-S	1003	NORTH SLOPE			
P-166	31125234	173	12		N-S	1013	NORTH SLOPE			
P-167	31125234	174	12		N-S	1023	NORTH SLOPE			
P-168	31125234	174	12		N-S	1036	NORTH SLOPE			
P-169	31125234	175	12		N-S	1045	NORTH SLOPE			

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SCS Engineers (Tensar-UX1700HS) (22XT UNIXXIAI)					SHEET 9 of 10 PROJECT TITLE Central Landfill Phase 3 Expansion			
GEOGRID PLACEMENT LOG					PROJECT NO. <u>09207049.06</u>			
					DATE 11/19/10			
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK- NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS	
P-170	31123893	175	12		N-S	1054	NORTH SLOPE	
P-171	31123893	175	12		N-S	1105	NORTH SLOPE	
P-172	31123893	176	12		N-S	1121	NORTH SLOPE	
P-173	31123887	176	12		N-S	1129	NORTH SLOPE	
P-174	31123887	177	12		N-S	1225	NORTH SLOPE	
P-175	31123887	177	12		N-S	1245	NORTH SLOPE	
P-176	31123887	177	12		N-S	1254	NORTH SLOPE	
P-177	31123887	178	12		N-S	1316	NORTH SLOPE	
P-178	31123887	173	12		N-S	0805	NORTH SLOPE-11/30/10	
P-179	31123887	163	12		N-S	0818	NORTH SLOPE	
P-180	31123887	154	12		N-S	0824	NORTH SLOPE	
P-181	31123887	136	12		N-S	0836	NORTH SLOPE	
P-182	31123893	120	12		N-S	0849	NORTH SLOPE	
P-183	31125234	107	12		N-S	0859	NORTH SLOPE	
P-184	31123888	91	12		N-S	0915	NORTH SLOPE	
P-185	31123888	76	12		N-S	0935	NORTH SLOPE	
P-186	31123892	66	12		N-S	0943	NORTH SLOPE	
P-187	31123888	54	12		N-S	0954	NORTH SLOPE	
P-188	31123889	23	12		NE-SW	1012	NORTH-WEST CORNER SLOPE	
P-189	31123889	33	12		NE-SW	1023	NORTH-WEST CORNER SLOPE	
P-190	31123889	50	12		W-E	1034	WEST SLOPE	

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SCS Engi	neers (Tensar UX17001	IS)- (22x7	T uniaxia	·I)	SHEET			
, ,					PROJECT TITLE	,		
GEOGRID PLACEMENT LOG					PROJECT NO.	PROJECT NO. <u>09207049.06</u>		
GEOGRAD I EXCERNENT LOG					DATE	DATE 11/30/10		
PANEL	ROLL			THICK-				
NO.	NO.	LENGTH	WIDTH	NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS	
P-191	31123889	79	12		E-W	1054	WEST SLOPE	
P-192	31123888	94	12		E-W	1115	WEST SLOPE	
P-193	31123893	107	12		E-W	1230	WEST SLOPE	
P-194	31123889	123	12		E-W	1245	WEST SLOPE	

		/	14		12-44	1113	WEST SECTE
P-193	31123893	107	12		E-W	1230	WEST SLOPE
P-194	31123889	123	12	,	E-W	1245	WEST SLOPE
P-195	31123888	135	12		E-W	1300	WEST SLOPE
P-196	31123888	137	12		E-W	1335	WEST SLOPE
P-197	31123889	164	12		E-W	0835	WEST SLOPE - 12/1/10
P-198	31123889	181	12		E-W	0845	WEST SLOPE
P-199	31123889	184	12		E-W	0854	WEST SLOPE
P-200	31123889	185	12	:	E-W	0918	WEST SLOPE
P-201	31123889	184	12		E-W	0928	WEST SLOPE
P-202	31123894	180	12		E-W	0937	WEST SLOPE
P-203	31123894	176	12		E-W	0948	WEST SLOPE
P-204	31123889	176	12		E-W	0956	WEST SLOPE
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