

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

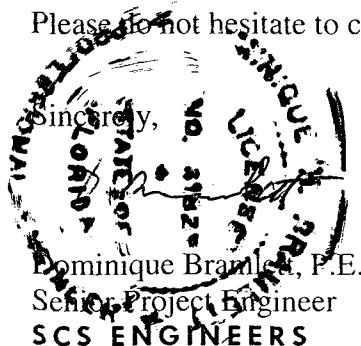
Dept. Of Environmental Protection
APR 07 2011
Southwest District


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

Sincerely,

Dominique Bramlett, P.E.
Senior Project Engineer
SCS ENGINEERS

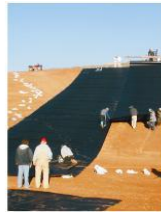

C. Ed Hilton, Jr., P.E.
Project Director
SCS ENGINEERS

Attachments

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

DHB/CEH:dhb





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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Attachments

Attachment 1-1	FDEP Form 62-701.900(2) Certification of Construction Completion of a Solid Waste Management Facility
Attachment 1-2	Citrus County Class I Central Landfill Phase 3 Expansion Project Construction Permit Number 21375-013-SC/01 Dated November 5, 2009
Attachment 1-3	Citrus County Class I Central Landfill Phase 3 Expansion Project ERP Number 09-0291076-001 Dated June 22, 2009
Attachment 2-1	Citrus County Class I Central Landfill Phase 3 Expansion Project Record Drawings (Bound Separately)
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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 non-contact 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 5.2×10^{-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 as-needed 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(2)
Form Title Certification of Construction Completion
Effective Date May 19, 1994

DEP Application No. _____
(Filled by DEP)

Certification of Construction Completion of a Solid Waste Management Facility

DEP Construction Permit No: 21375-013-SC/01 County: Citrus

Name of Project: Phase 3 Expansion Project

Name of Owner: Citrus County Solid Waste 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 Stephens

Date Site inspection is requested: As soon as possible

This is to certify that, with the exception of any deviation noted above, the construction of the project has been completed in substantial accordance with the plans authorized by Construction

Permit No. 21375-013-SC/01 Dated: November 5, 2009

Date: April 6, 2011


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

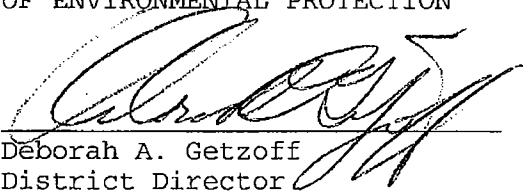
Dear Ms. Metcalfe:

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


Deborah A. Getzoff
District Director
Southwest District

PERMITTEE: Citrus County Board
of County Commissioners

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 November 5, 2009 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.

Anna Bramlett
Clerk

11/5/09
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: 28°51'07"
82°26'12"
Sec/Town/Rge: 1/19S/18E
Project: Citrus County Central
Class I Landfill
Phase 3 Construction

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]	<ul style="list-style-type: none"> - 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) (5×10^{-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 (5.2×10^{-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)	<ul style="list-style-type: none"> - Drainage/protective sand $\geq 5.2 \times 10^{-4}$ 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	<ul style="list-style-type: none"> - 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	<p>GCL/Biaxial geogrid & BGDN/Uniaxial geogrid interfaces $\geq 12.0^\circ$ [Spec. 02 56 15-2.02.H.; Spec. 31 32 19-2.02. F. & H.]</p> <p>GM/GCL, GM/TGDN, GM/BGDN, & GM/Subbase soil interfaces $\geq 20.5^\circ$ [Spec. 33 05 20-3.02.G. through J.]</p> <p>Uniaxial geogrid/Protective soil interface $\geq 22.0^\circ$ [Spec. 31 32 19-2.02.G.]</p>

GENERAL CONDITIONS:

1. 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.

2. 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.

3. 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.

4. 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.

5. 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.

6. 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.

7. 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:

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) 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 Statutes 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;
2. the person responsible for performing the sampling or measurements;
3. 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

1. **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.

2. **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:

a. 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:

- 1) *Technical Specifications*, Attachment H-1, Appendix L [Specs.];
- 2) *CQA Plan*, Attachment H-1 [CQAP];
- 3) *Water Quality and Leachate Monitoring Plan*, prepared by Jones Edmunds & Associates, Inc., dated November 2008, Attachment M-1 [Water Quality Monitoring Plan]; and
- 4) 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.**

a. 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.

b. 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.

c. 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.

SPECIFIC CONDITIONS: PART B - Construction Requirements

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 prior to 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 as-built 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.

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:

- 1) 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.].

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 pre-construction 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.

6. **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.

SPECIFIC CONDITIONS: PART B - Construction Requirements

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. 3120 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. 015101-3.01.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. Construction Documents. 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 CONDITIONS: PART B - Construction Requirements

(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. Defective work. 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. Night work. 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.

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.

l. 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 CONDITIONS: PART B - Construction Requirements

(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 be 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.
 - 1) 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 CONDITIONS: PART B - Construction Requirements

(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 CONDITIONS: PART B - Construction Requirements

(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. Wrinkles. 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 CQA Plan.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(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.
- l. Geocomposite Clay Layer.
 - 1) 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 [CQAP, 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.

6. **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.

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.**

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

1. Water Quality Monitoring Quality Assurance.

a. 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.

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:

Well No.	WACS Testsite 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.

** = 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)].

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

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

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 all new or replacement wells and piezometers, or as stated below:

a. Prior to 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 all 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.

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:

<u>Field parameters</u>	<u>Laboratory parameters</u>	
Specific conductivity	Unionized ammonia	Total organic carbon (TOC)
pH	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
	<u>Parameters listed in 40 CFR Part 258, Appendix I</u>	

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

9. Leachate Sampling.

a. 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
pH	STD UNITS	6.00	8.50	Daily
CBOD ₅	mg/l	N/A	20	Monthly
TSS	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	Quarterly
Benzene	µg/l	N/A	1	Quarterly
Toluene	µg/l	N/A	40	Quarterly
Ethylbenzene	µg/l	N/A	30	Quarterly
Total Xylenes	µg/l	N/A	20	Quarterly
Vinyl Chloride	µg/L	N/A	1	Quarterly
Ethylene dibromide (EDB)	µg/l	N/A	0.02	Quarterly
Total Trihalomethanes	µg/l	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/l	N/A	0.3	Annually
Mercury	mg/l	N/A	0.002	Annually
Lead	mg/l	N/A	0.015	Annually
Selenium	mg/l	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.

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

10. **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:

- a. 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.

b. 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 analyses;**
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;**

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.

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

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
A.4.	On or before April 1, 2014 No later than August 1, 2014	Notification of date of permit renewal application submittal Submit application for permit renewal
A.9.a.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of sinkholes or subsurface instability 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
B.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

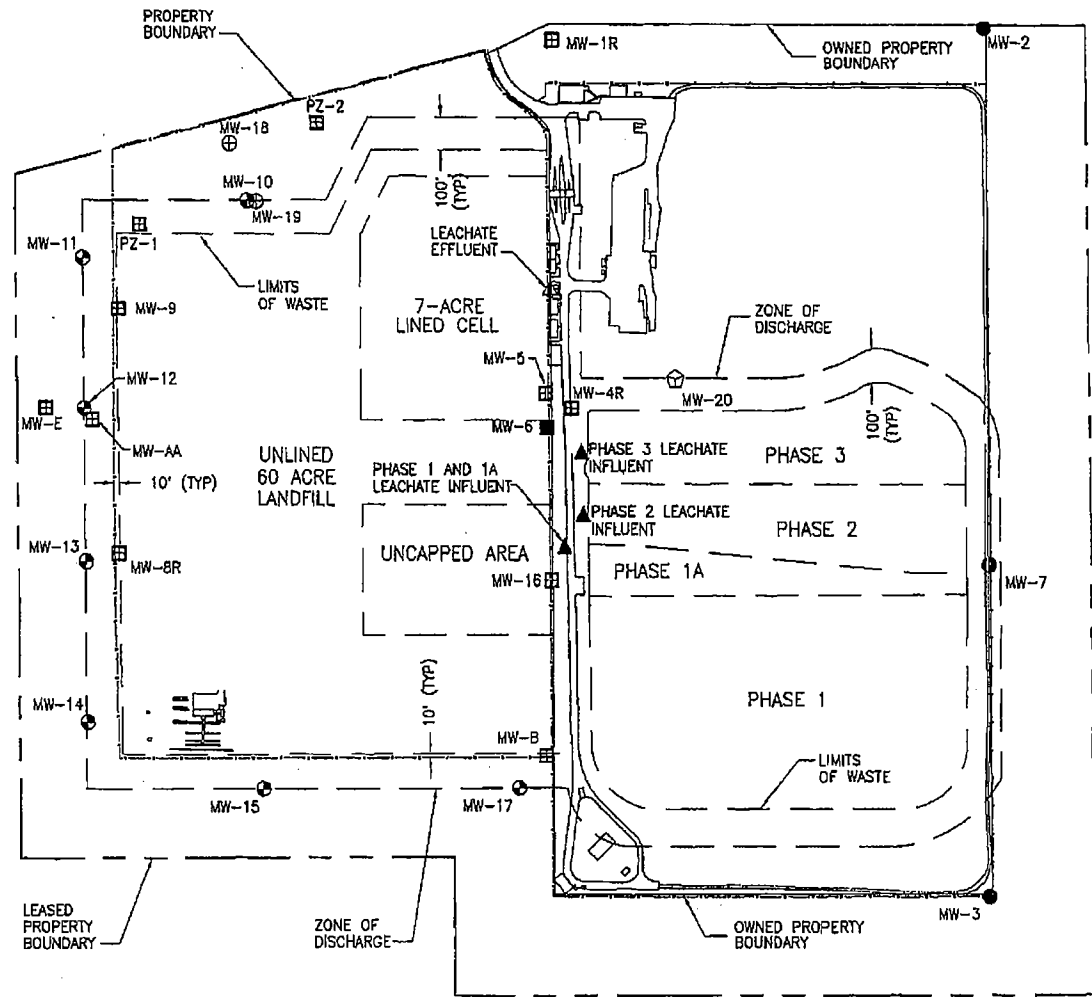
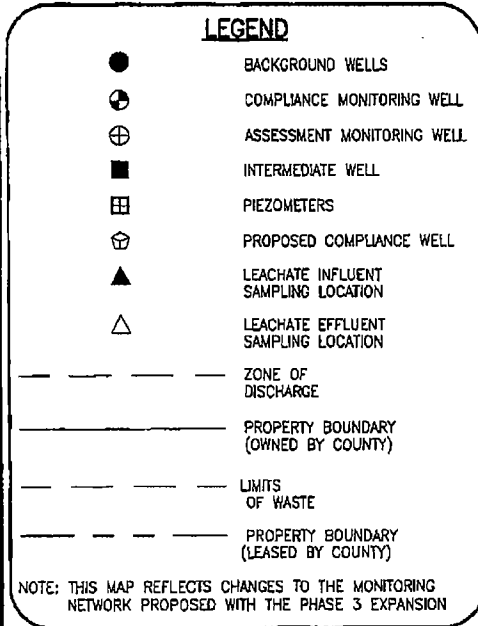
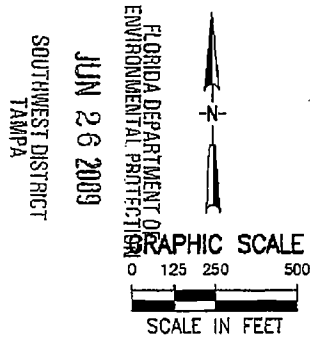
ATTACHMENT 1		
Specific Condition	Submittal Due Date	Required Item
D.4.a.	Annually, by September 1 st each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding
D.4.c.	No later than 60 days prior to receipt of waste	Submit proof of initial funding for Phase 3
E.4.b.	Semi-annually	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.)

03860-08-01

K:\Jones Edmunds\Citrus County\Central Landfill\SWR\Phase 3 04\Fig 1_gump.dwg

LAST SAVED: 11/20/2008 3:23 PM THAYS

Plotted: 11/20/08 3:32pm thays



ATTACHMENT 1 SITE PLAN
CITRUS COUNTY CENTRAL LANDFILL

Florida Department of Environmental Protection

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

MONITORING WELL COMPLETION REPORT

PART I: GENERAL INFORMATION

Well ID:	Site Name:		Well Install Date
Facility ID	Alternate ID	FLUWID #	WMD Permit #
Well Purpose <input type="checkbox"/> Background <input type="checkbox"/> Intermediate <input type="checkbox"/> Compliance <input type="checkbox"/> Other (explain)			
Latitude (to nearest 0.1 seconds)		Longitude (to nearest 0.1 seconds)	
Latitude and Longitude collection method: <input type="checkbox"/> DGPS <input type="checkbox"/> AGPS <input type="checkbox"/> MAP <input type="checkbox"/> ZIPCODE <input type="checkbox"/> DPHO <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER			

PART II: WELL CONSTRUCTION DETAILS

Contractor Name			Contractor License #		
Company Name					
Construction Method: <input type="checkbox"/> Hollow Stem Auger <input type="checkbox"/> Solid Stem Auger <input type="checkbox"/> Water/Mud Rotary <input type="checkbox"/> Air Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Direct Push <input type="checkbox"/> Sonic <input type="checkbox"/> Other (describe)				Aquifer Monitored	
Top of Casing Elevation (NVGD or NAVD)			Ground Surface Elevation (NVGD or NAVD)		
Material	Inside Diameter	Outside Diameter	Depth (ft.)		
			From	To	
Material	Inside Diameter	Outside Diameter	Depth (ft.)		Slot Size
			From	To	
Material including additives for sealant	Size of Material	Amount (# of bags)	Depth (ft.)		Installation Method
			From	To	

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
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

09207049-02
ERP Phase 3
Charlie Crist
Governor
Exp. 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

JUN 22 2009

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,

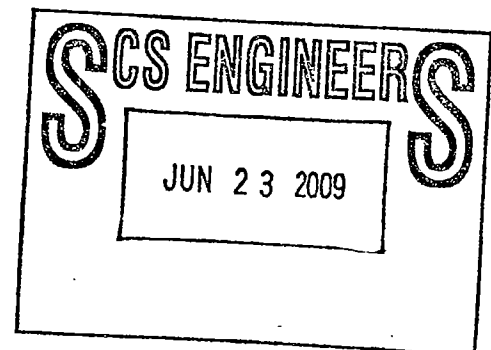
If you have any questions about this document, please contact me at (813) 632-7600, ext. 393.

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)





Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Koltkamp
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

Expiration Date of Construction Phase:

JUN 22 2014

Date of Issue: JUN 22 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.

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

09207049.02
ERP Permit.



***Submerged Lands &
Environmental Resource
Permitting (SLERP)***

13051 N. Telecom Parkway, Temple Terrace, FL 33637

Fax Transmittal Form

Date: 6/30/09 Pages: 2 (including cover)

To: Ms. Dominique Hamlett, P.E.

Fax # 813 623 6757

From: D. Hyman

Submerged Lands and Environmental Resource Permitting

Phone # (813) 632-7600, ext. _____

SC 514-9155, ext. _____

Fax # (813) 632-7672

Subject: Permit No 09-0292195-001

Comments: we corrected the issue & application date on sheet 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

Expiration Date of Construction Phase: **JUN 22 2009**

Date of Issue: **JUN 22 2014**

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:

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Chapter 62-330 and 62-343, Florida Administrative Code (F.A.C.)
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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

“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 sovereign 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.

<u>Plan View/Cross-Section</u>	<u>Drawing Number</u>
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 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.

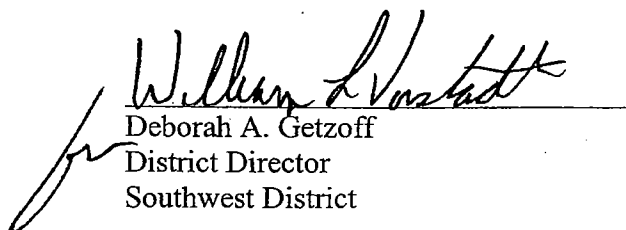
Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. As noted above, persons seeking 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

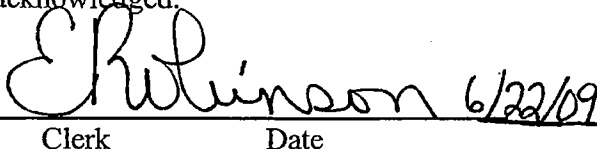
cc: Dominique H. Bramlett, P.E., Senior Project Engineer, SCS Engineers, Inc., 4041 Park Oaks
Boulevard, Suite 100, Tampa, FL 33610
Susan Pelz, P.E., FDEP SWD Solid Waste Program Manager (by e-mail)
Jessica Kleinfelter, NPDES Environmental Manager (by e-mail)
SWFWMD Brooksville Regulatory Office File 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.



Clerk

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

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

COUNTY ADMINISTRATOR

Anthony J. Schembri

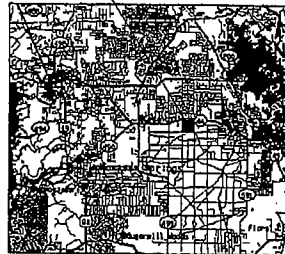
PUBLIC WORKS DEPARTMENT

Glenn W. McCracken, Director

SOLID WASTE MANAGEMENT DIRECTOR

Susan J. Metcalfe, P.E.

**PROJECT
LOCATION**



LOCATION MAP

DRAWING INDEX

<u>DRAWING NO.</u>	<u>DRAWING TITLE</u>
Δ 1	COVER SHEET
Δ 2	EXISTING FACILITY SITE PLAN (TOPOGRAPHIC SURVEY DATE 10/11/07)
Δ Δ 3	FINAL CLOSURE PLAN
Δ Δ 4	SECTIONS
Δ 5	DETAILS - 1
6	DETAILS - 2
7	DETAILS - 3
8	DETAILS - 4
Δ Δ 9	DETAILS - 5
10	STORMWATER BOX CULVERT DETAILS

Δ DRAWINGS REVISED PER R.A.L. # 1 - 10/01/08
 Δ DRAWINGS REVISED PER FDOT COMMENTS - 03/17/09

SCS ENGINEERS

STEARNS, CONRAD AND SCHWITZ
 CONSULTING ENGINEERS

4041 PARK CIRCLE BLVD., SUITE 100
 TAMPA, FLORIDA 33610
 PH (813) 881-0080 FAX (813) 883-8797
 WWW.SCSENGINEERS.COM
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004882

SCS PROJECT NO. 06907048-02

DOMINIQUE H. BRANLEY, P.E.
 LICENSE NO. 61828

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

Date: _____

Inspector(s): _____

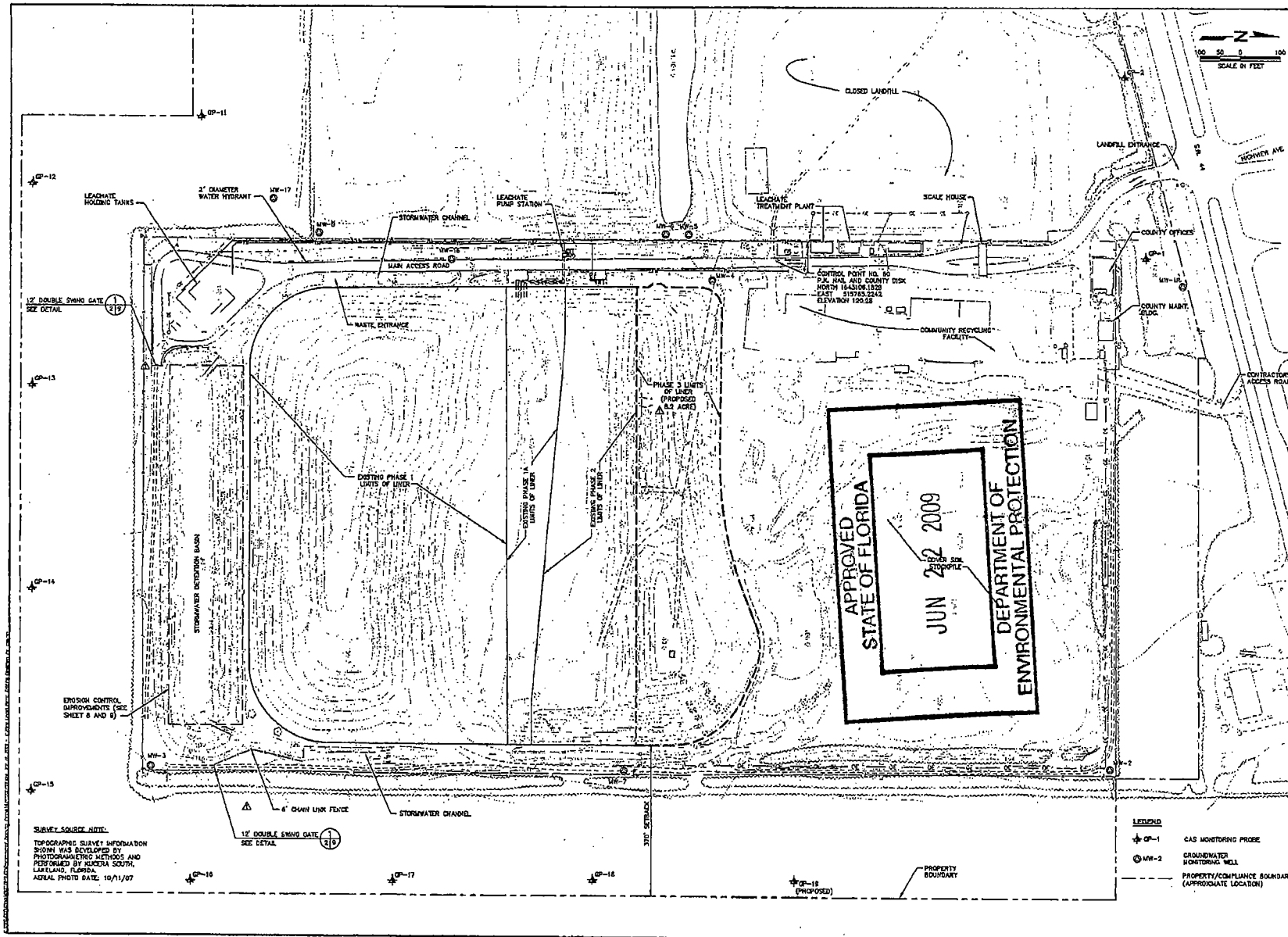
Site Location (Circle One): Closed Site Open Site Transfer Station Area

The following items should be inspected for debris and sediment buildup, water level/presence, excess vegetative growth and general overall condition with any required maintenance item outlined in the comments section:

Stormwater Feature ID	Comments:
Dry Retention Areas	
Conveyance Swales	
Culverts	
Outlet/Drop Structures	
Terrace Swales	
Road crossings	
Other	

In the Notes/Comments below indicate if this was periodic routine maintenance or after a recent storm event and details of storm event if applicable.

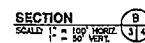
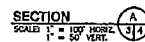
Notes/Comments



SURVEY SOURCE NOTE:
 TOPOGRAPHIC SURVEY INFORMATION
 SHOWN WAS DEVELOPED BY
 PHOTOGRAMMETRIC METHODS AND
 PERFORMED BY KUDERA SOUTH,
 LAKELAND, FLORIDA.
 AERIAL PHOTO DATE: 10/11/07

LEGEND
 * CP-1 CAS MONITORING PROBE
 * MW-2 GROUNDWATER MONITORING WELL
 --- PROPERTY/COMPLIANCE BOUNDARY (APPROXIMATE LOCATION)

SCS ENGINEERS STANLEY, CONRAD AND DECHERT 2000 W. UNIVERSITY BLVD., SUITE 200 LAKELAND, FLORIDA 33801 TEL: 888-888-8888 FAX: 888-888-8888		CLIENT CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA		REVISIONS EXISTING FACILITY SITE PLAN (TOPOGRAPHIC SURVEY DATE 10/11/07) PROJECT TITLE: CENTRAL LANDFILL ENVIRONMENTAL RESOURCE PERMIT DRAWINGS	
CADD FILE: 074902E001	DATE: AUGUST 2008	SCALE: AS SHOWN	DRAWING NO. 2	BY: SCS	DATE: 10/2/08
CHECKED BY: SCS		DESIGNED BY: SCS		APPROVED BY: SCS	
DATE: 10/2/08		DATE: 10/2/08		DATE: 10/2/08	
DATE: 10/2/08		DATE: 10/2/08		DATE: 10/2/08	
DATE: 10/2/08		DATE: 10/2/08		DATE: 10/2/08	



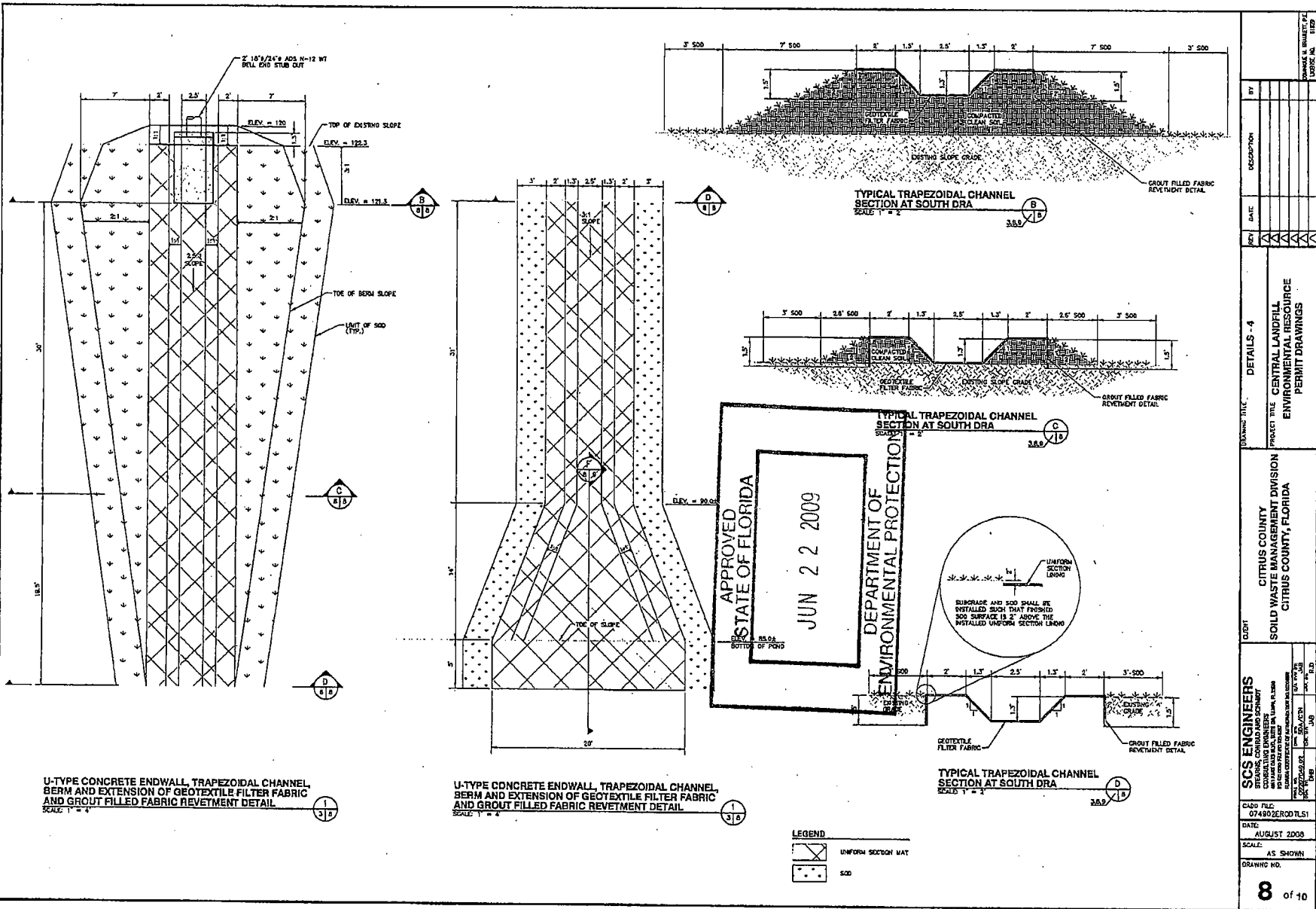
APPROVED
STATE OF FLORIDA

JUN 22 2009

DEPARTMENT OF
ENVIRONMENTAL PROTECTION

SCS ENGINEERS CONSULTING ENGINEERS 301 N. W. 10th St., Suite 1000, Ft. Lauderdale, FL 33304 PHONE: 754/333-3333 FAX: 754/333-3334 WWW: WWW.SCS-ENGINEERS.COM		SHEET NO. 001 OF 001	
DRAWING NO. 4 of 10		SCALE: AS SHOWN	
DATE: AUGUST 2008		CAD: P.L.D. 07/49/02	
PROJECT TITLE CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA		SECTION CENTRAL LANDFILL ENVIRONMENTAL PERMIT DRAWINGS	
REV	DATE	REVISION	BY
1	10/1/08	REVISED FOR P.L.D.	PLD
2	03/07/09	REVISED FOR TSD	LEW
DRAWN BY: LEWIS		CHECKED BY: LEWIS	
DESIGNED BY: LEWIS		APPROVED BY: LEWIS	



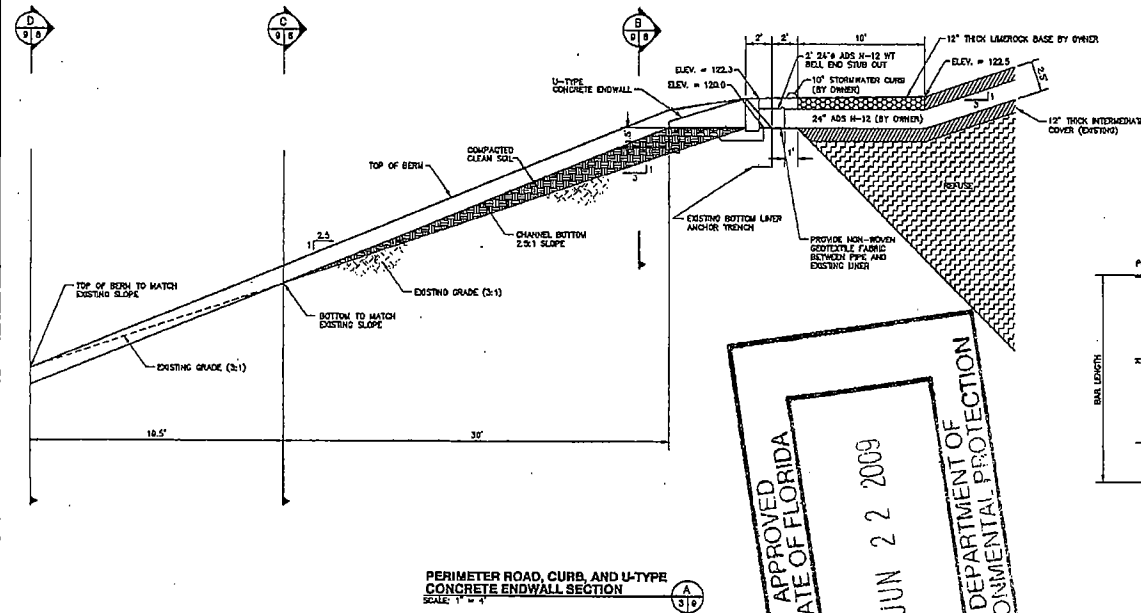
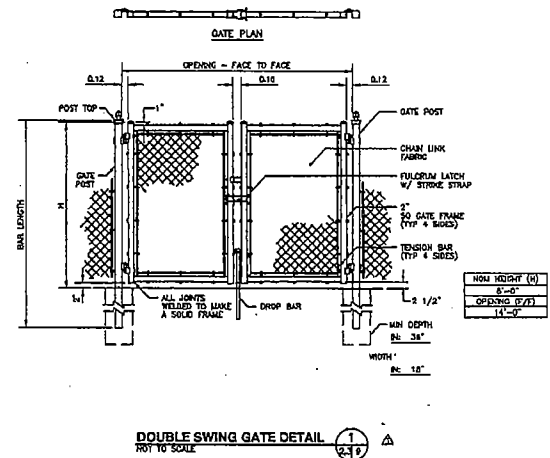
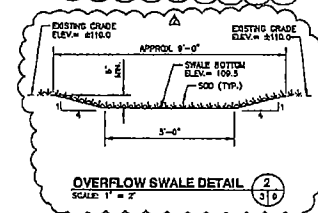
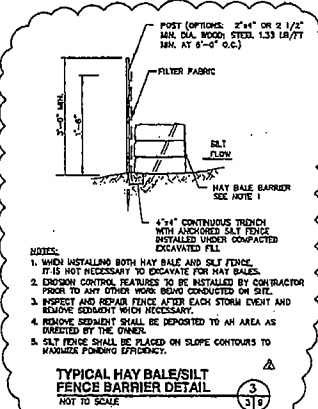


FLARE OUT, 5' FLAT AREA,
AND 1.5' ANCHOR TRENCH SECTION

SCALE: 1" = 4'

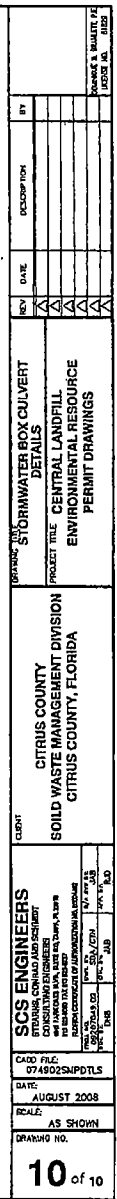
F
5 9

5' FLAT AREA AND
1.5' ANCHOR TRENCH SECTION



APPROVED
STATE OF FLORIDA
JUN 22 2009
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

SCS ENGINEERS CIVIL, ENVIRONMENTAL & GEOTECHNICAL ENGINEERS 10749 DORR ROAD, SUITE 100, TAMPA, FL 33634 (813) 987-8300 FAX (813) 987-8301 E-MAIL: info@scs-engineers.com WWW: www.scs-engineers.com		CLIENT CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA		PROJECT TITLE CENTRAL LANDFILL ENVIRONMENTAL RESOURCE PERMIT DRAWINGS		REV. DATE 1 10/15/08 2 3/27/09 3 10/15/09	REVISION REVISION FOR R.A.L. #1 REVISION FOR R.A.L. #2 REVISION FOR R.A.L. #3 REVISION FOR R.A.L. #4	SHEET NO. 9 OF 10
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ENVIRONMENTAL RESOURCE PERMIT Construction Commencement Notice

Project:

Phase:

I hereby notify the Department of Environmental Protection that the construction of the surface water management system authorized by Environmental Resource Permit Number _____ has commenced / is expected to commence on _____ and will require a duration of approximately _____ months _____ weeks _____ days to complete. It is understood that should the construction term extend beyond one year, I am obligated to submit the Annual Status Report for surface Water Management System Construction.

PLEASE NOTE: If the actual construction commencement date is not known, Department staff should be so notified in writing in order to satisfy permit conditions.

Permittee or Authorized Agent

Title and Company

Date

Phone

Address

Environmental Resource Permit Annual Status Report

Florida Department of Environmental Protection

--

PERMIT NUMBER:

COUNTY:

PROJECT NAME:

PHASE:

The following activity has occurred at the above referenced poroject during the past year, between June 1, and May 30,

<u>Permit Condition/Activity</u>	<u>% of Completion</u>	<u>Date of Anticipated Completion</u>	<u>Date of Completion</u>

(Use Additional Sheets As Necessary)

Benchmark Description (one per major control structure):

Print Name

Phone

Permittee's or Aurtherized Agent's Signature

Title and Company

Date

This form shall be submitted to the above referenced Department Office during June of each year for activities whose duration of construction exceeds one year.

ENVIRONMENTAL RESOURCE PERMIT
AS-BUILT CERTIFICATION BY A REGISTERED PROFESSIONAL

Permit Number:

Project Name:

I hereby certify that all components of this surface water management system have been built substantially in accordance with the approved plans and specifications and are ready for inspection. Any substantial deviations (noted below) from the approved plans and specifications will not prevent the system from functioning as designed when properly maintained and operated. These determinations are based upon on-site observation of the system conducted by me or by my designee under my direct supervision and/or my review of as-built plans certified by a registered professional or Land Surveyor licensed in the State of Florida.

Name (please print)

Signature of Professional

Company Name

Florida Registration Number

Company Address

Date

City, State, Zip Code

Telephone Number

(Affix Seal)

Substantial deviations from the approved plans and specifications:

(Note: attach two copies of as-built plans when there are substantial deviations)

Within 30 days of completion of the system, submit two copies of the form to:

ENVIRONMENTAL RESOURCE PERMIT INSPECTION CERTIFICATION

Permit Number:

Project Name:

Inspection Date(s):

Inspection results: (check one)

☐ I hereby certify that I or my designee under my direct supervision have inspected the system at the above referenced project and that the system appears to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable).

☐ The following necessary maintenance was conducted:

☐ I hereby certify that I or my designee under my direct supervision has inspected the system at the above referenced project and that the system does not appear to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable). I have informed the operation and maintenance entity of the following: (a) that the system does not appear to be functioning properly, (b) that maintenance is required to bring the system into compliance, and (c) if maintenance measures are not adequate to bring the system into compliance, the system may have to be replaced or an alternative design constructed subsequent to Department approval.

Name

Signature of Professional Engineer

Company Name

Florida Registration Number

Company Address

Date

City, State, Zip Code

Telephone Number

(affix seal)

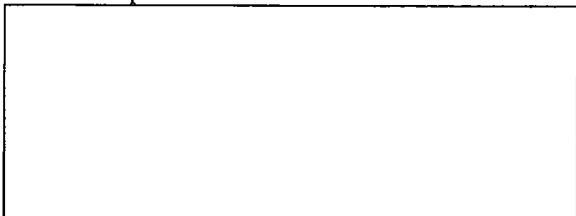
Within 30 days of completion of the inspection, submit two copies of the form to the following Department Office:

Department of Environmental Protection

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:

Name

Title:

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.

- 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



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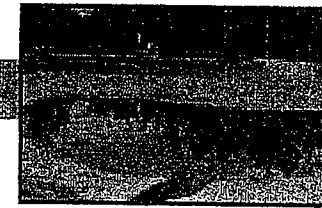
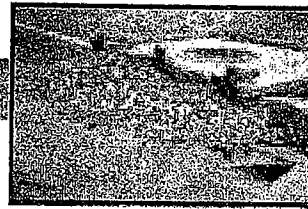
03/03

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

The Florida NPDES
Stormwater
Permitting
Program for

Construction Activity





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), F.A.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, F.S., a stormwater discharge permit required under Chapter 62-25, F.A.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 CGP.

What Are Some Examples of BMPs?

A comprehensive SWPPP includes both structural and non-structural 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 bare soil is stabilized with vegetation.
- **Berms.** A temporary erosion and sediment control that physically prevents 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 valve 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)

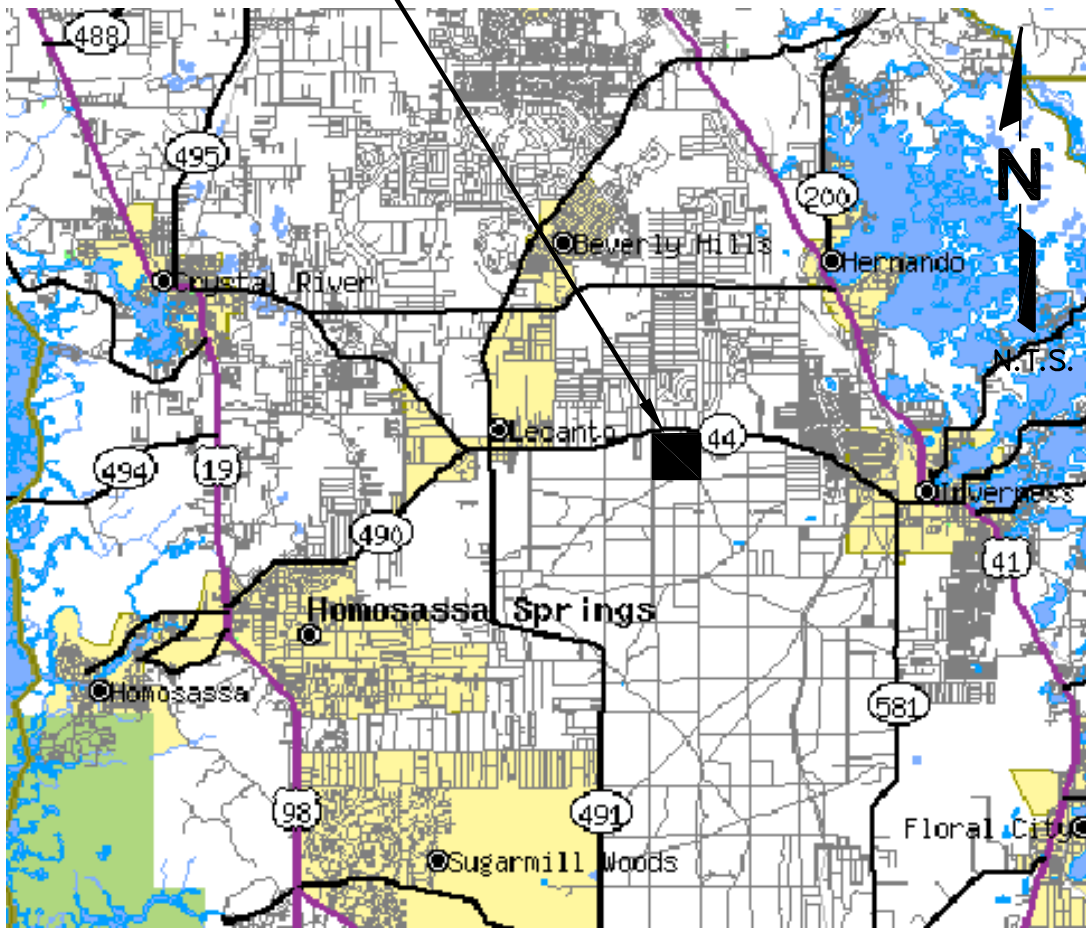
CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION

CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION DRAWINGS

CITRUS COUNTY, FLORIDA

APRIL 2010

PROJECT
LOCATION



LOCATION MAP

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

DRAWING INDEX

DRAWING NO.	DRAWING TITLE
1	COVER SHEET
2	EXISTING FACILITY SITE PLAN (TOPOGRAPHIC SURVEY DATE 04/08/09)
3	DEMOLITION PLAN
4	SITE GRADING PLAN
5	SITE GRADING CONTROL POINTS PLAN
6	SITE GRADING CONTROL POINTS TABLE
7	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 MISCELLANEOUS 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-BUILT CONTROL POINT PLAN
- 3 OF 3 - EXISTING SITE AS-BUILT CONTROL POINT TABLE
- 4 - SITE GRADING AND DRAINAGE AS-BUILT PLAN
- 5 - 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.

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

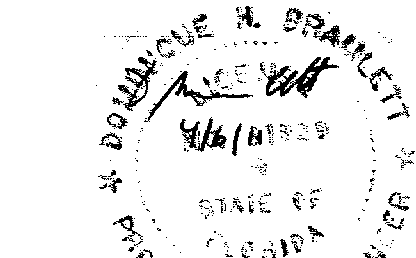
RECORD DRAWING SET

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.

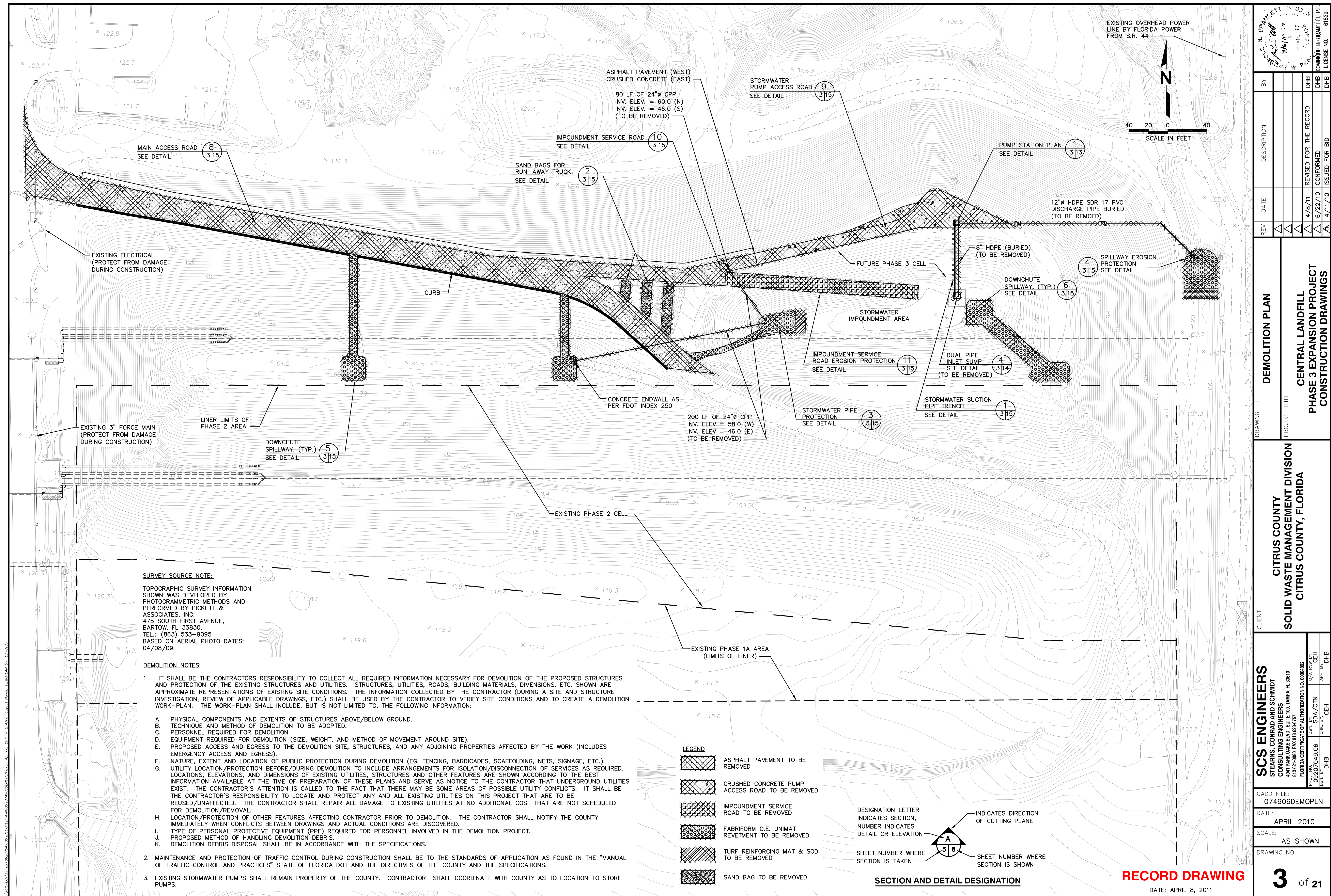
SCS ENGINEERS Date: APRIL 2011

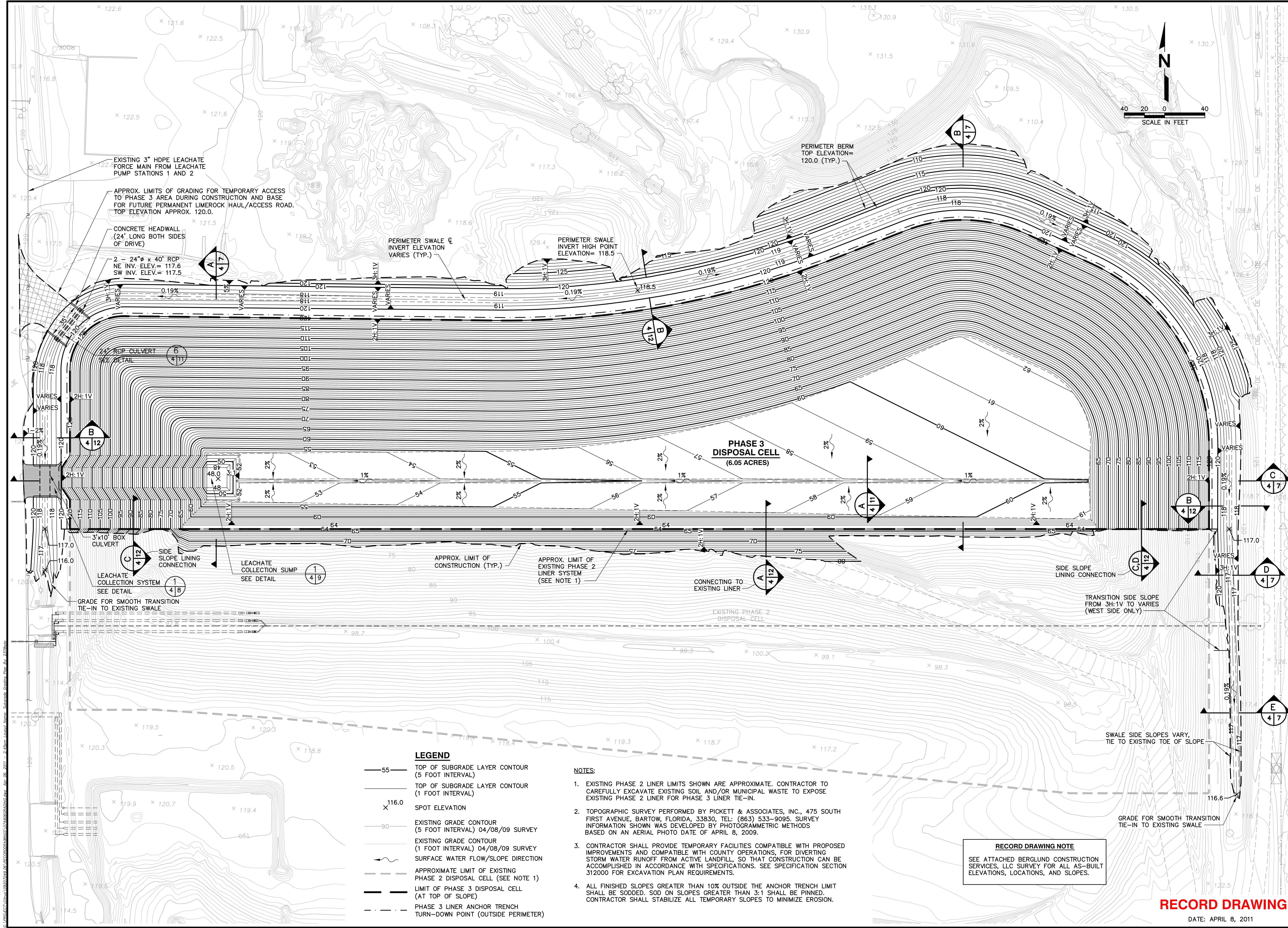
RECORD DRAWING SET

DATE: APRIL 8, 2011



DOMINIQUE H. BRAMLETT, P.E.
LICENSE NO. 61829

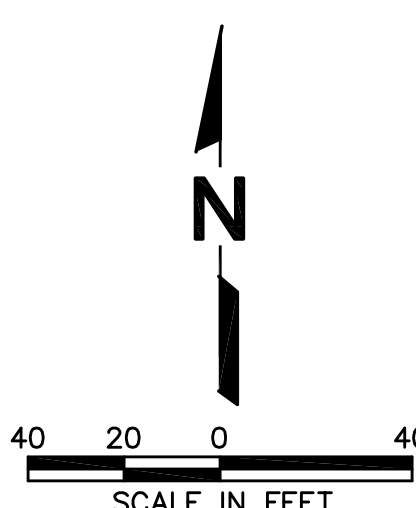




RECORD DRAWING

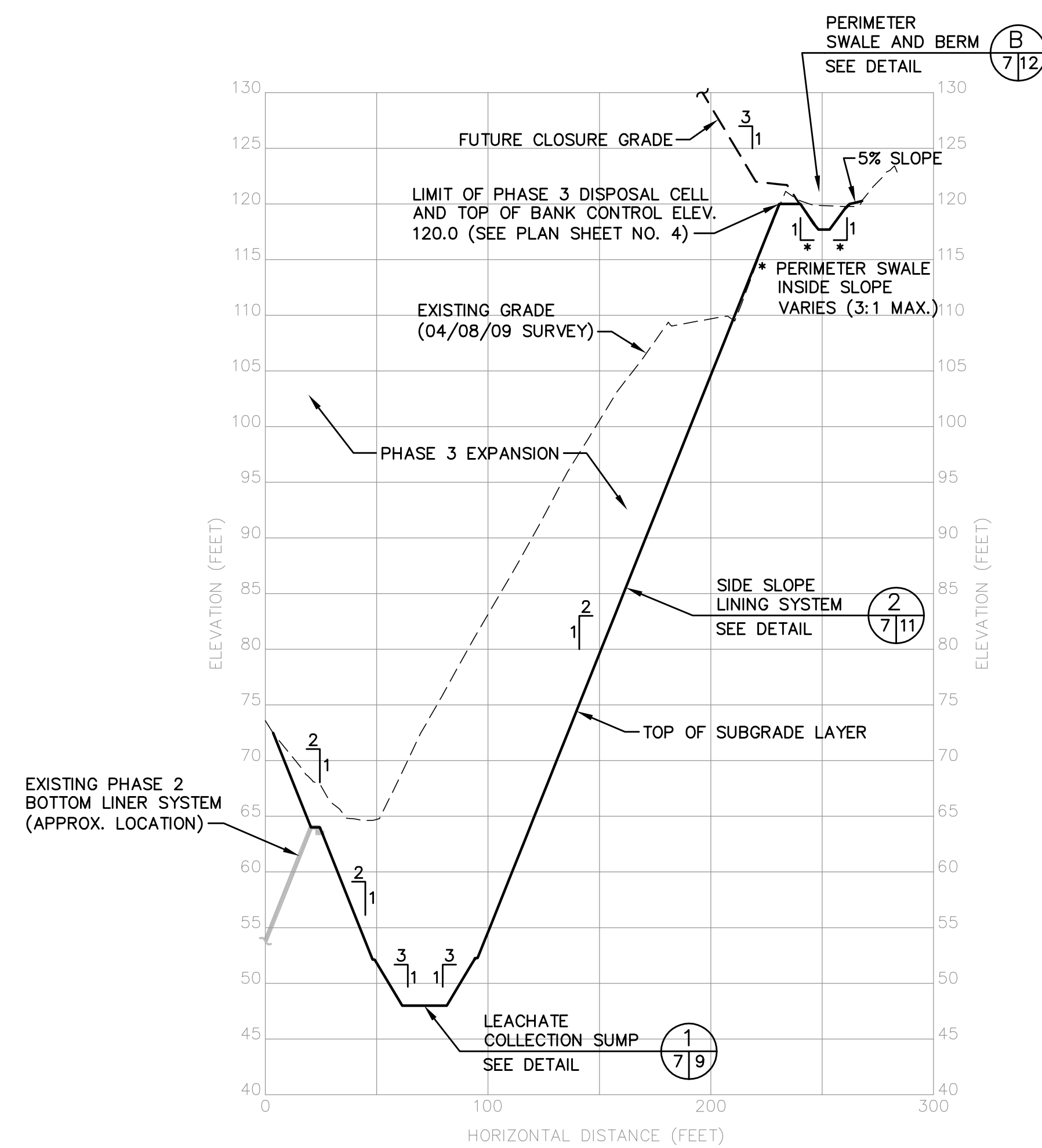
DATE: APRIL 8, 2011

<div>SCS ENGINEERS</div> <div>STEARNS, CONRAD AND SCHMIDT</div> <div>CONSULTING ENGINEERS</div> <div>4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610</div> <div>813-821-0880 FAX 813-823-6787</div> <div>FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892</div> <div><div>PROJ. NO. 09207049.06</div><div>DWN. BY: SDA</div><div>CHK. BY: CEH</div><div>APP. BY: CEH</div><div>DES. 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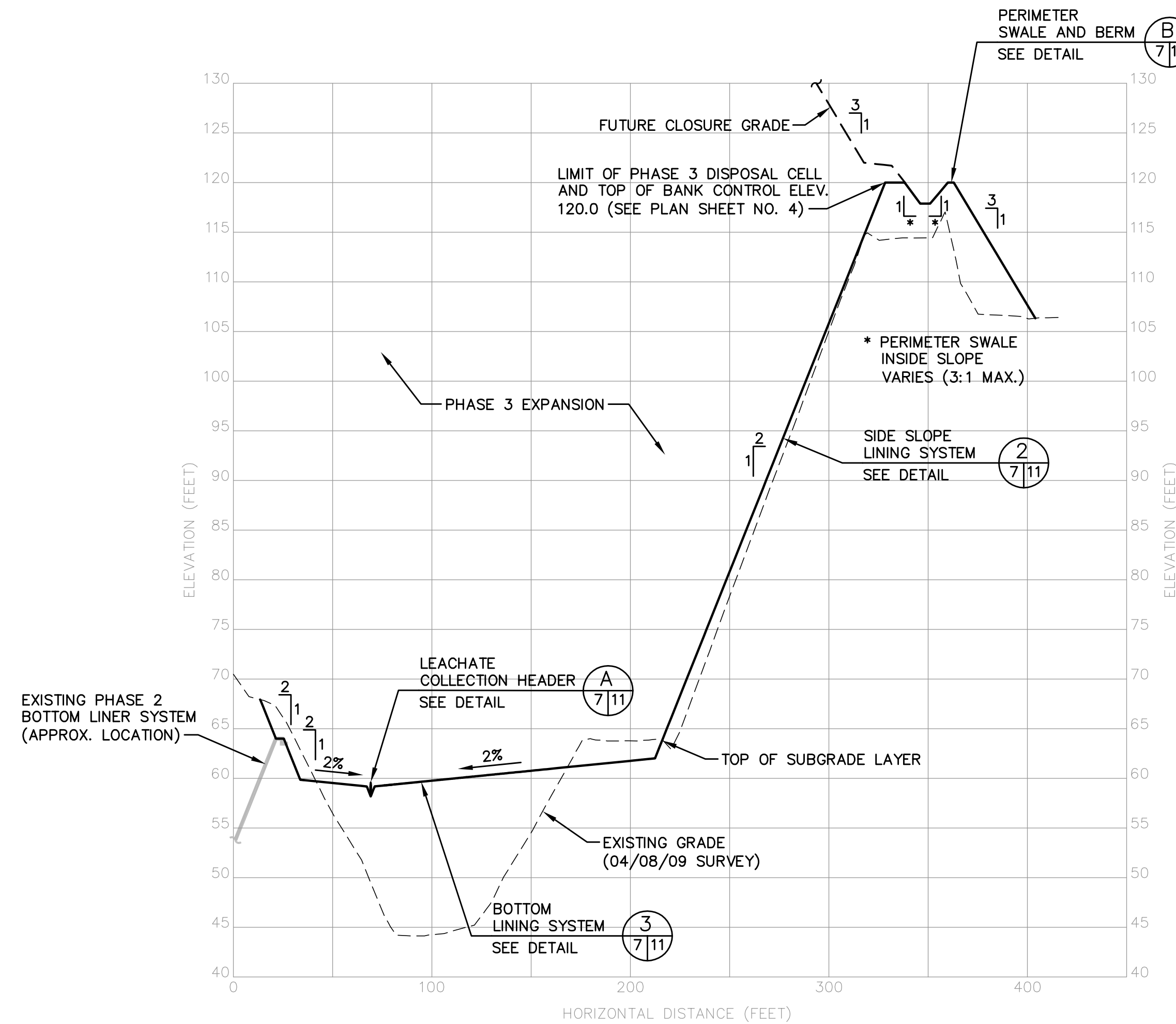
DATE: APRIL 8, 2011

<div>SCS ENGINEERS</div> <div>STEARNS, CONRAD AND SCHMIDT</div> <div>CONSULTING ENGINEERS</div> <div>813 821-0880 FAX 813 823-2757</div> <div>FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892</div>	CLIENT				DRAWING TITLE		BY				
	CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA				SITE GRADING CONTROL POINTS PLAN						
CADD FILE: 074906GRAD-CNTRL				PROJECT TITLE		REV		DATE		DESCRIPTION	
DATE: APRIL 2010				CENTRAL LANDFILL		△					
SCALE: AS SHOWN				PHASE 3 EXPANSION PROJECT		△					
DRAWING NO.				CONSTRUCTION DRAWINGS		△		4/8/11		REVISED FOR THE RECORD	
						△		6/22/10		CONFORMED	
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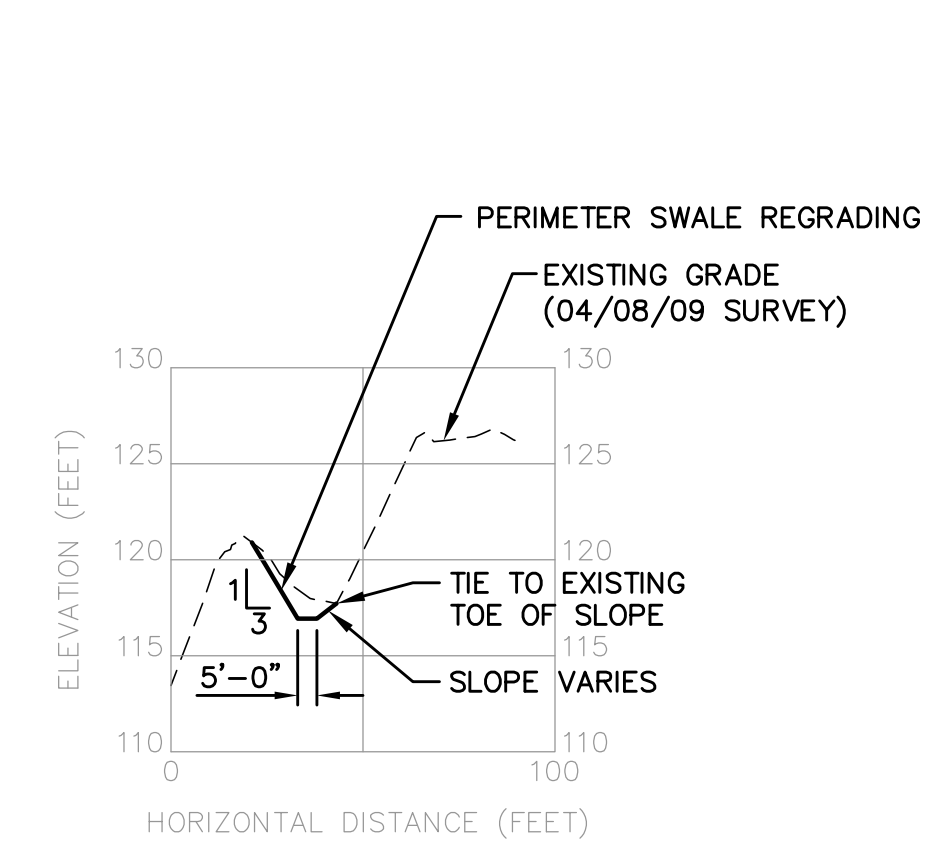
SECTION

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.



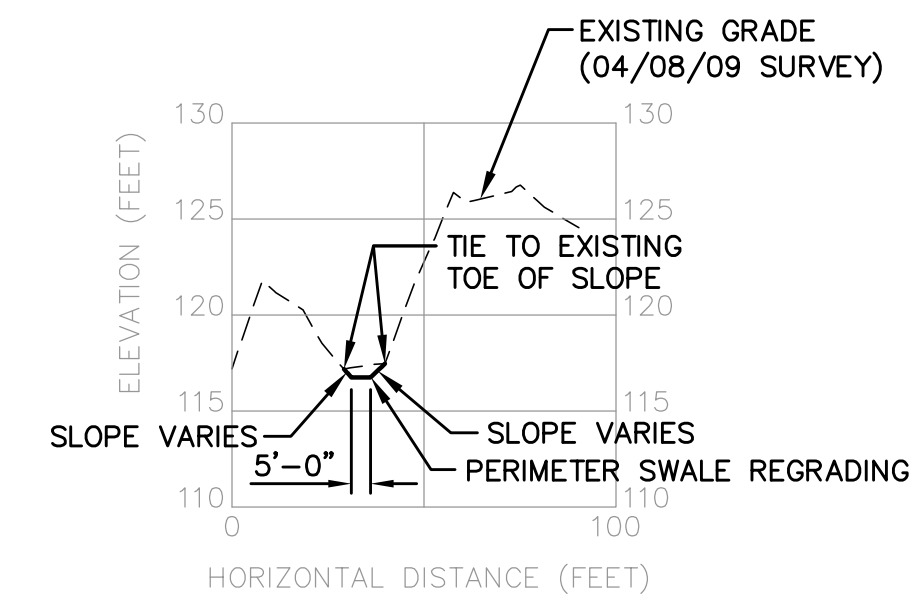
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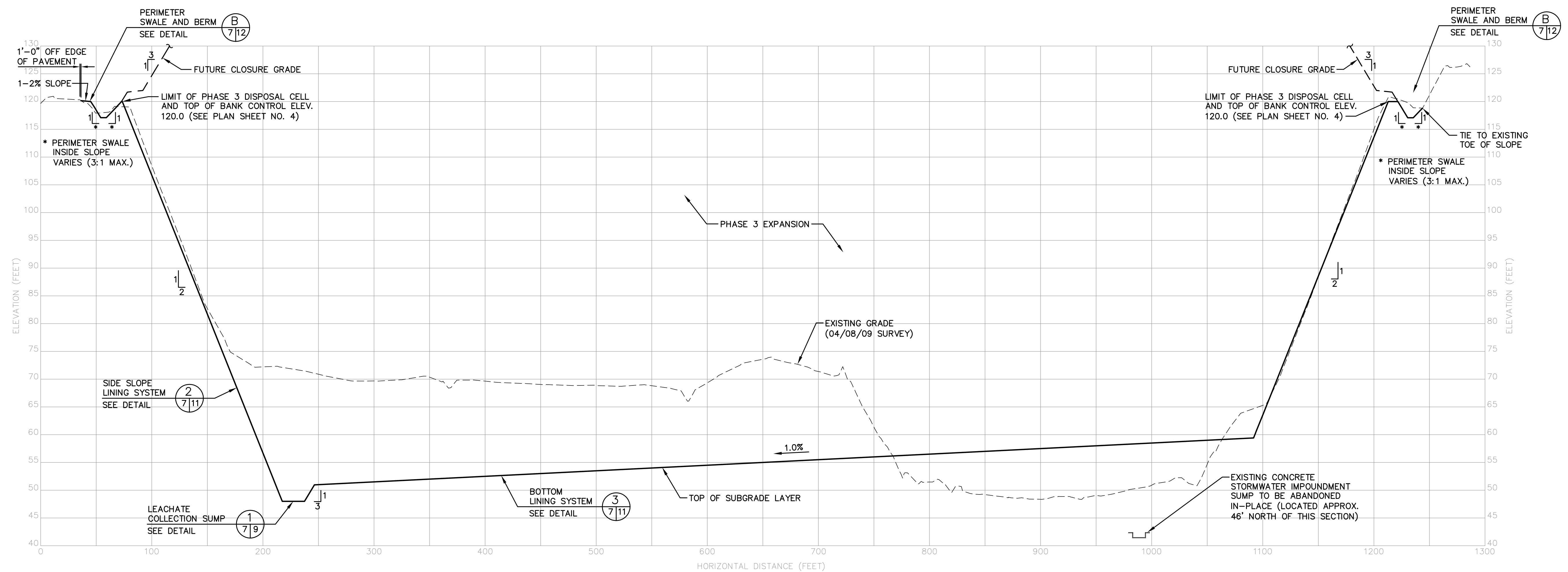
SECTION

SCALE: 1" = 50' HORZ.
1" = 10' VERT.



SECTION

SCALE: 1" = 50' HORZ.
1" = 10' VERT.



SECTION

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

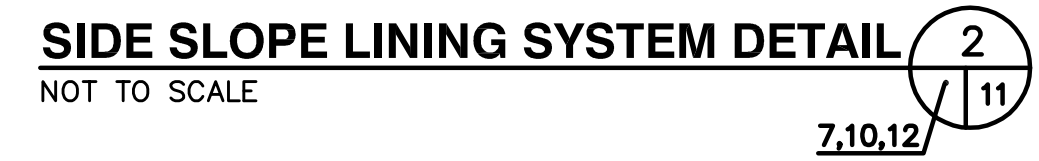
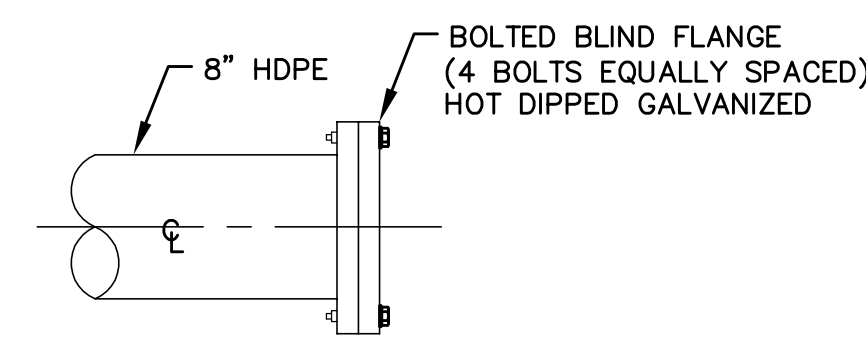
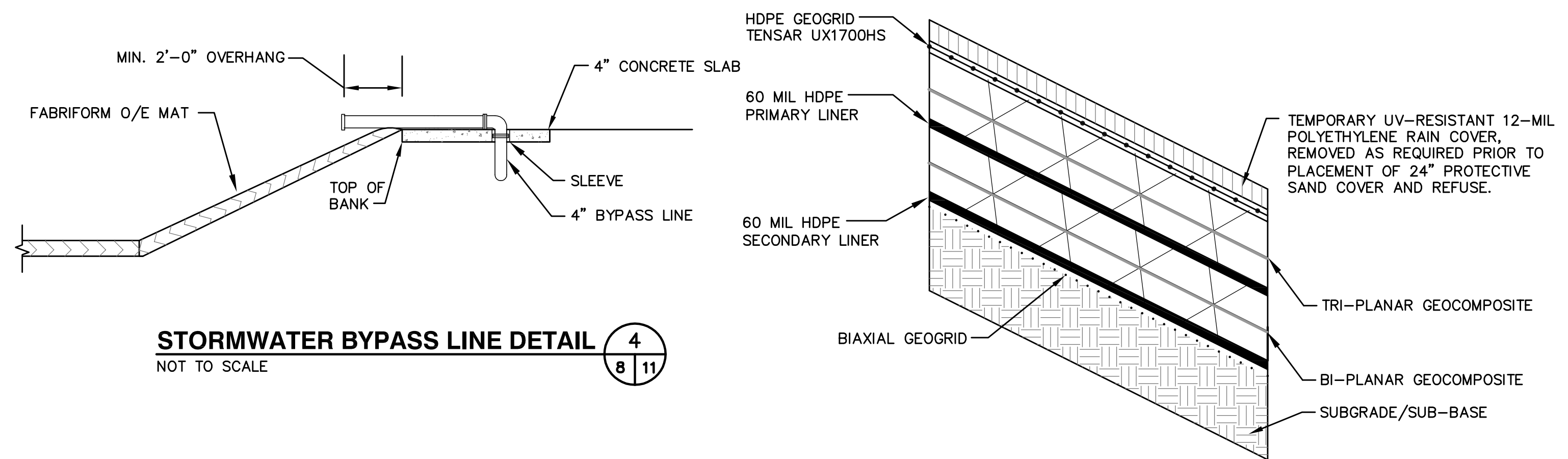
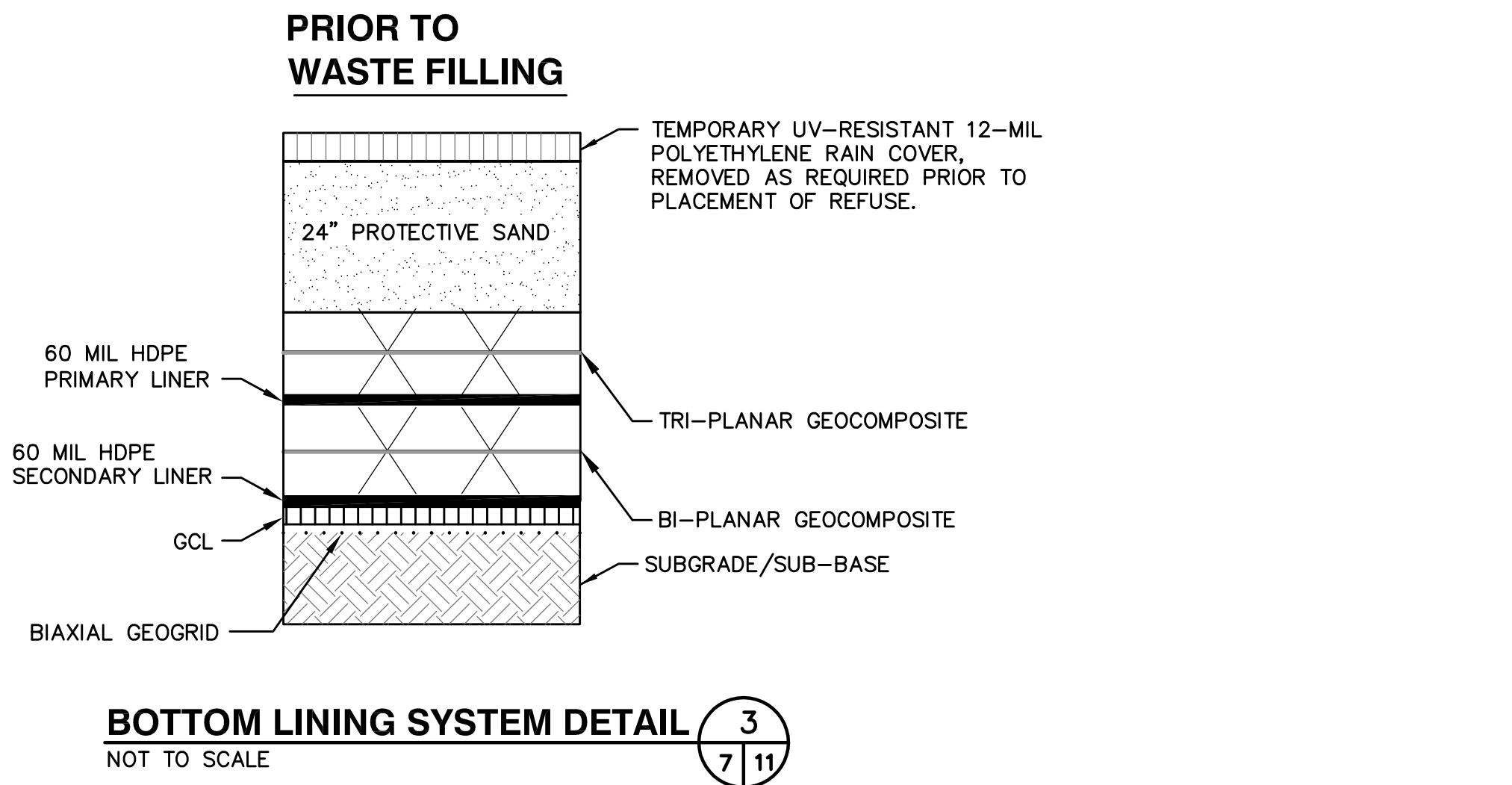
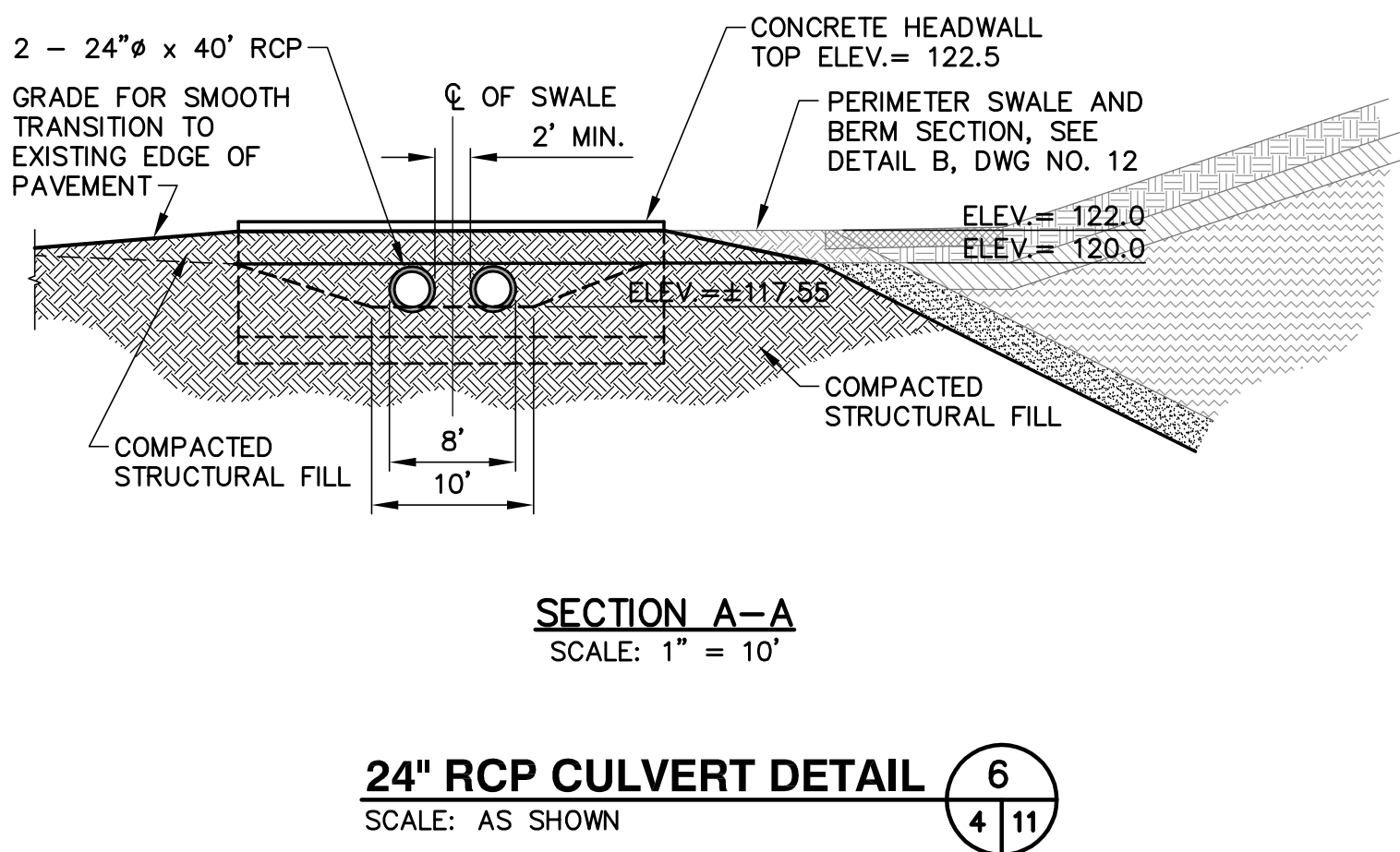
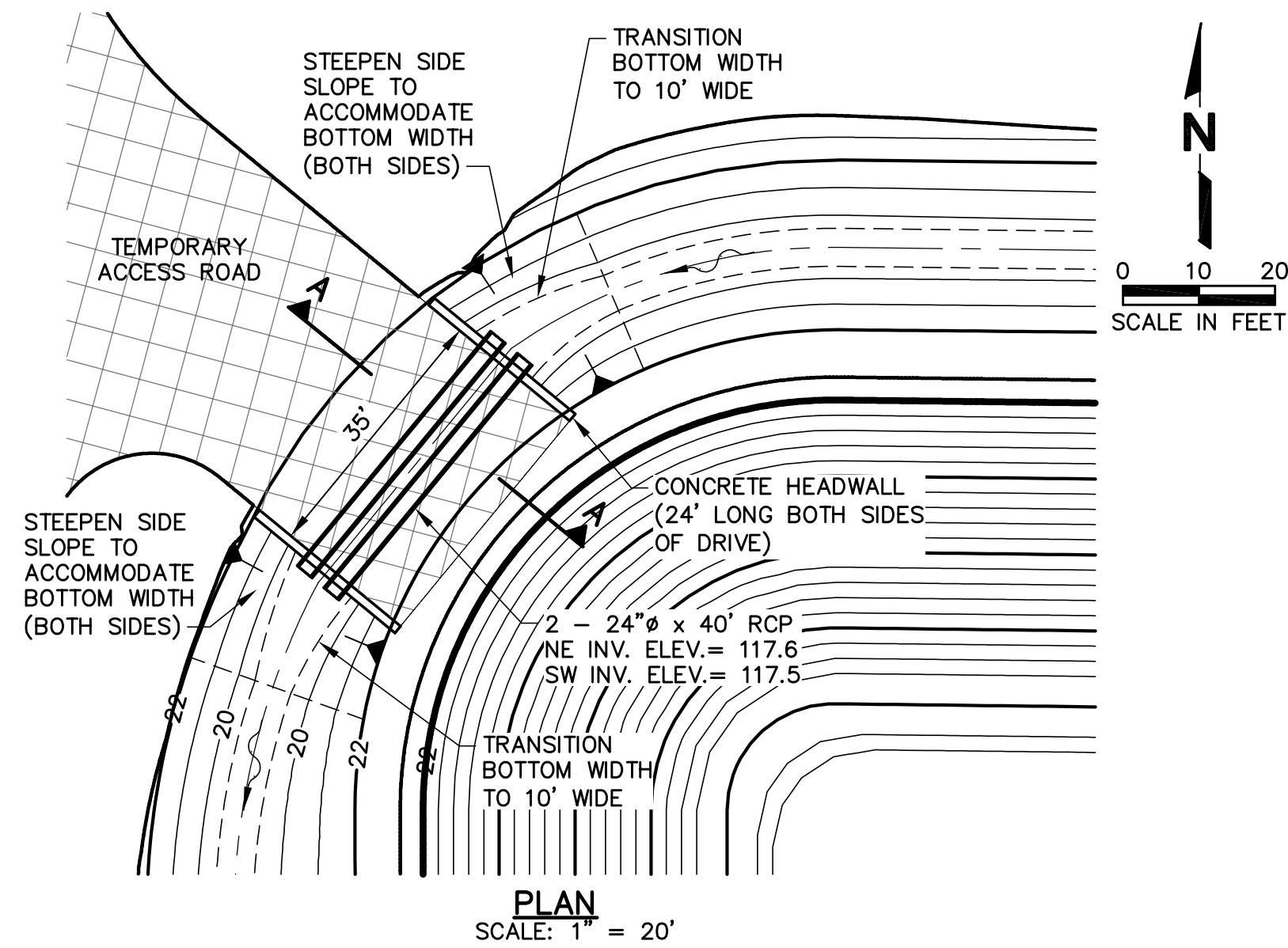
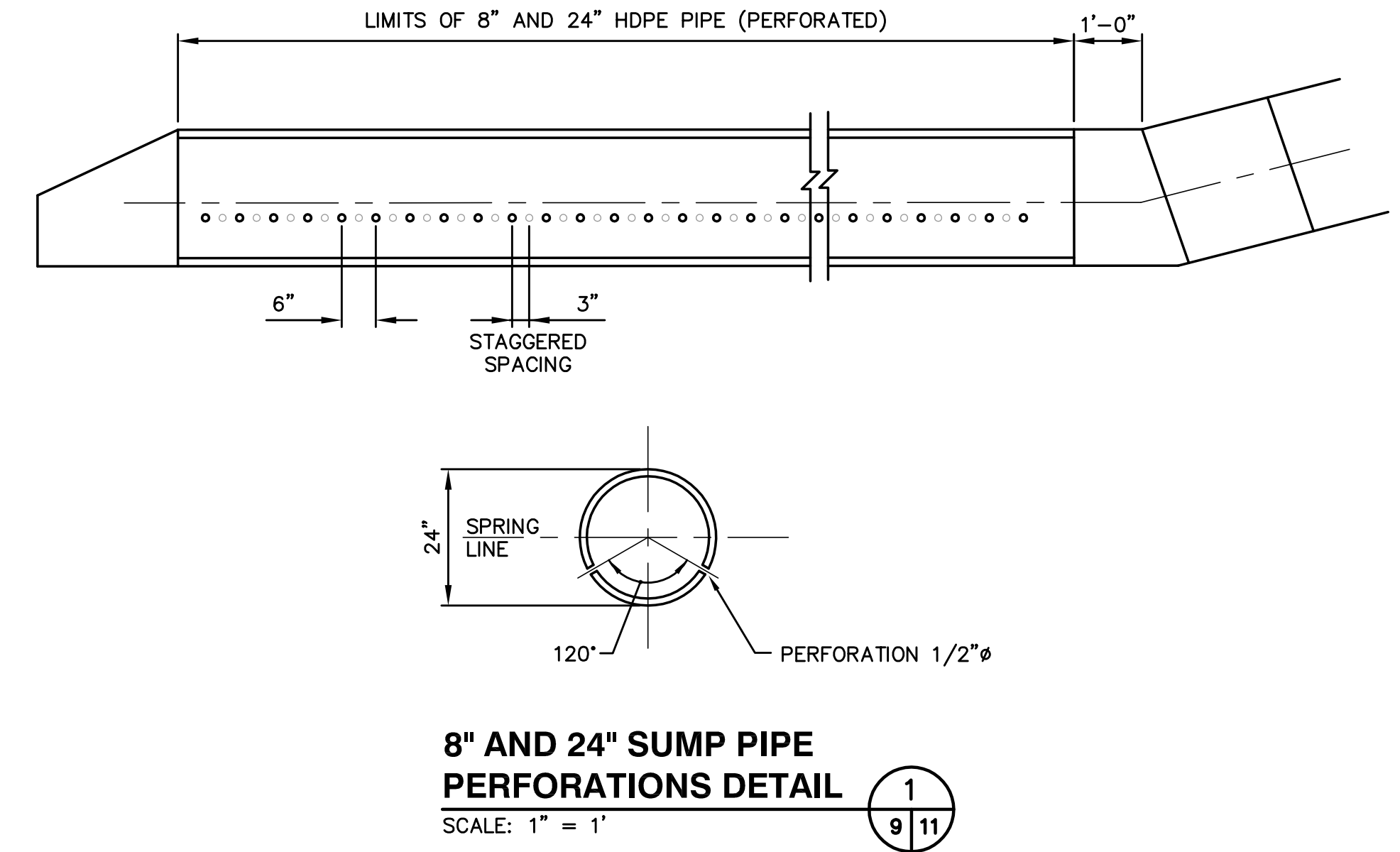
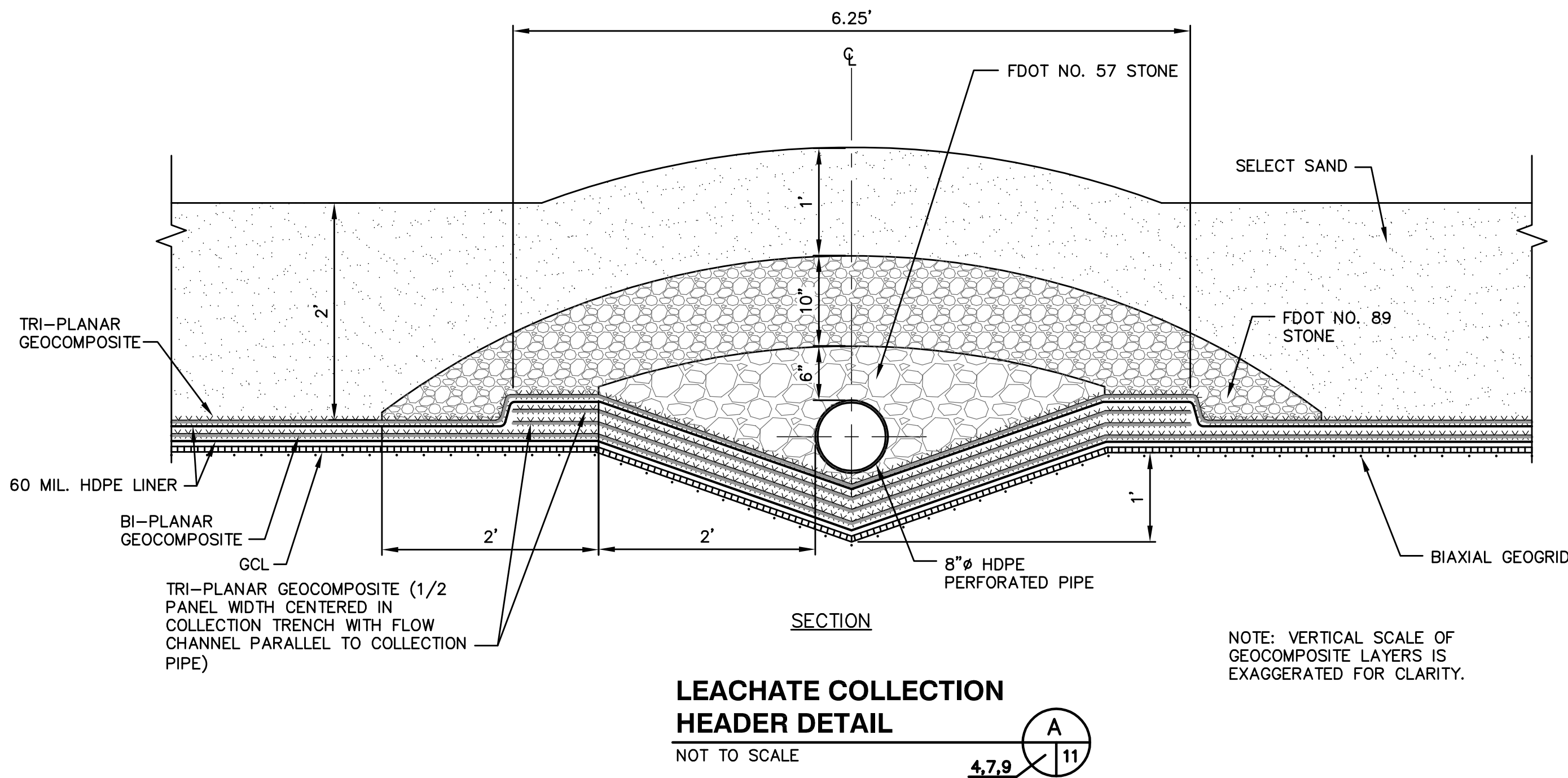
RECORD DRAWING NOTE

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

RECORD DRAWING

DATE: APRIL 8, 2011

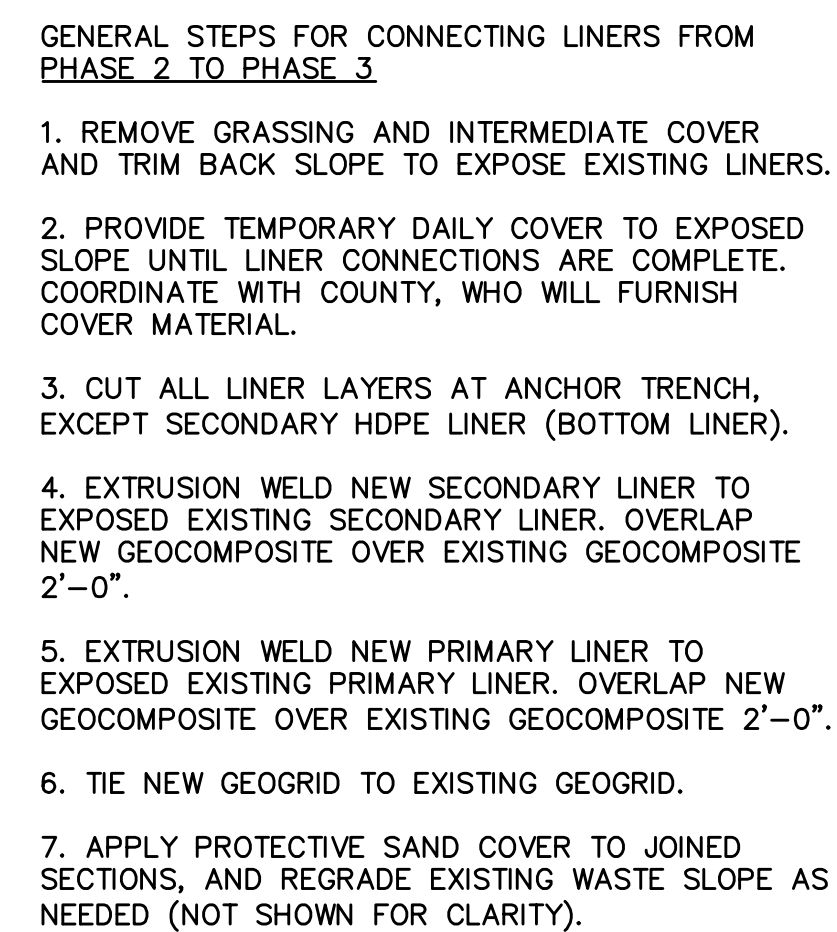
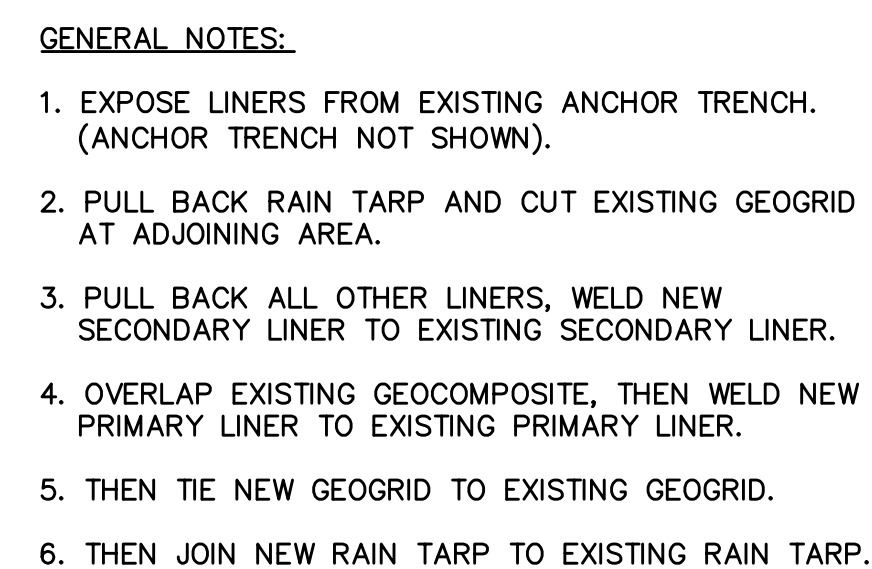
<div>SCS ENGINEERS</div> <div>STEARNS, CONRAD AND SCHMIDT</div> <div>CONSULTING ENGINEERS</div> <div>4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610</div> <div>813-821-0080 FAX 813-825-6757</div> <div>FLORIDA CERTIFICATE OF AUTHORIZATION NO. 0004892</div> <div>PROJECT NO. 0704.06</div> <div>DWG. NO. SDA/CTN</div> <div>DES. BY: CEH</div> <div>APP. BY: DHB</div> <div>G/A REVIEWED BY: DHB</div>	CLIENT		DRAWING TITLE		<div>SECTION</div> <div>DATE</div> <div>DESCRIPTION</div> <div>BY</div>
	CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA		PROJECT TITLE		
CADD FILE: 074906SECTIONS		PHASE 3 EXPANSION PROJECT CONSTRUCTION DRAWINGS		DOMINIQUE A. GRAMMETT, P.E. LICENSE NO. 61829	
DATE: APRIL 2010				DHB	
SCALE: AS SHOWN				DHB	
DRAWING NO.				DHB	
7 of 21				DHB	



RECORD DRAWING NOTE
SEE ATTACHED BERGLUND CONSTRUCTION SERVICES, LLC SURVEY FOR ALL AS-BUILT ELEVATIONS, LOCATIONS, AND SLOPES.

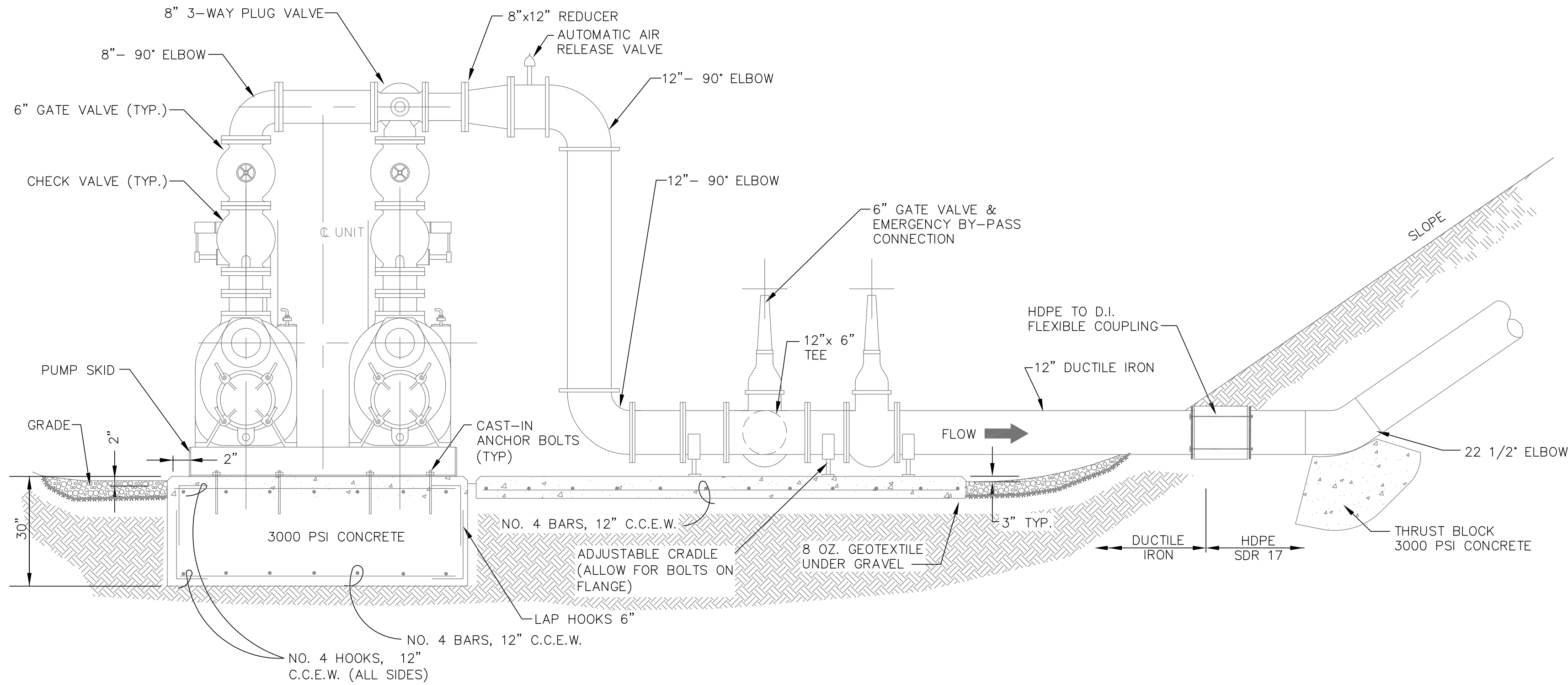
RECORD DRAWING
DATE: APRIL 8, 2011

		BY: _____ DESCRIPTION: _____ DATE: _____ REV: _____	DHB DHB DHB DHB
DRAWING TITLE: LEACHATE COLLECTION SYSTEM AND STORMWATER DETAILS PROJECT TITLE: CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION DRAWINGS		REVISED FOR THE RECORD: 4/8/11 CONFORMED: 6/22/10 ISSUED FOR BID: 4/11/10	
CLIENT: CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA			
SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS 4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610 813 821-0080 FAX 813 823-4757 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 0004882 PRG. NO. 09207049.06 DSK: B DHB		DWN: B DHB C/K: B DHB SDA/CTN: CEH APP: B DHB	
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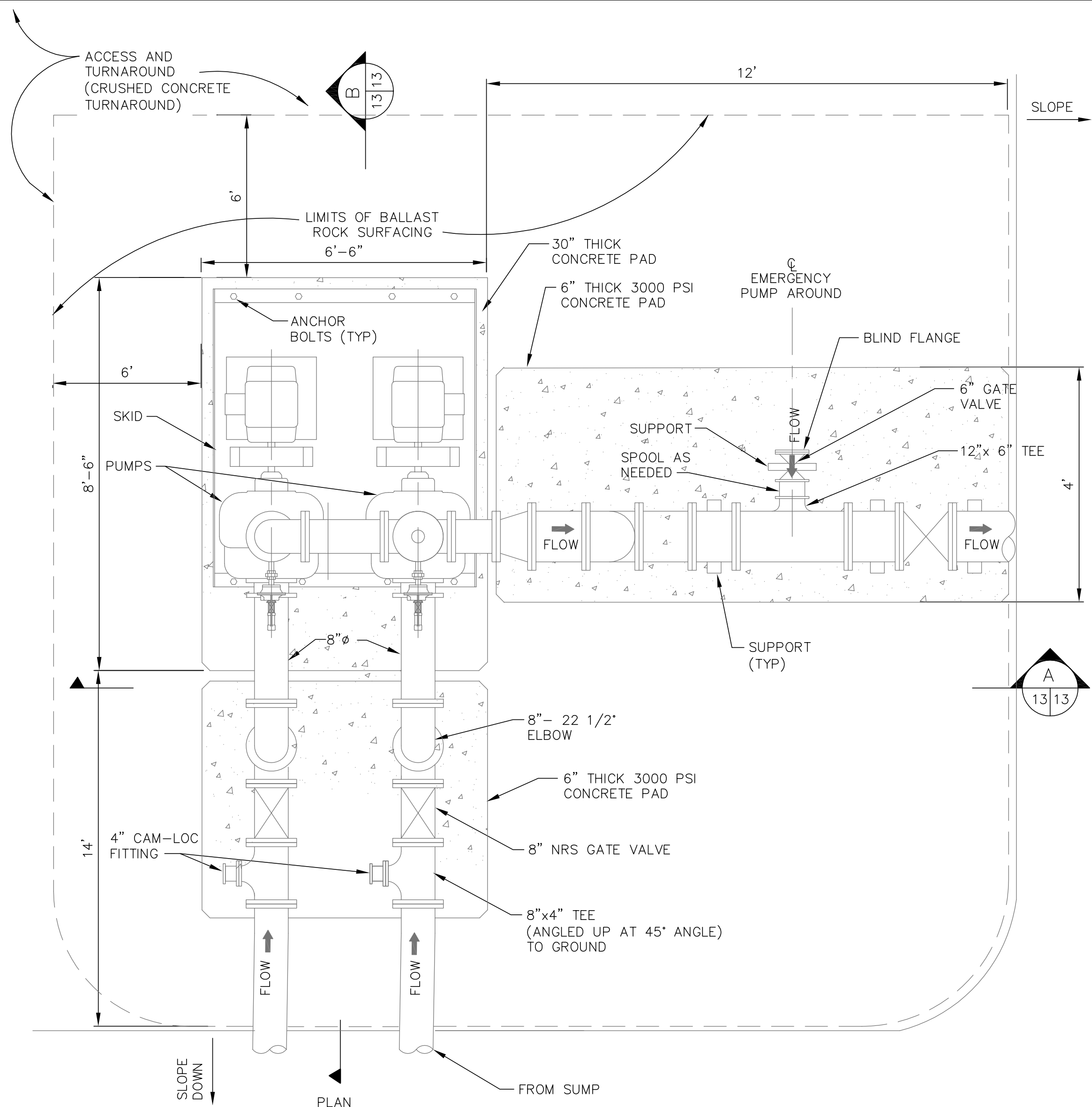
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RECORD DRAWING NOTE
SEE ATTACHED BERGLUND CONSTRUCTION
SERVICES, LLC SURVEY FOR ALL AS-BUILT
ELEVATIONS, LOCATIONS, AND SLOPES.

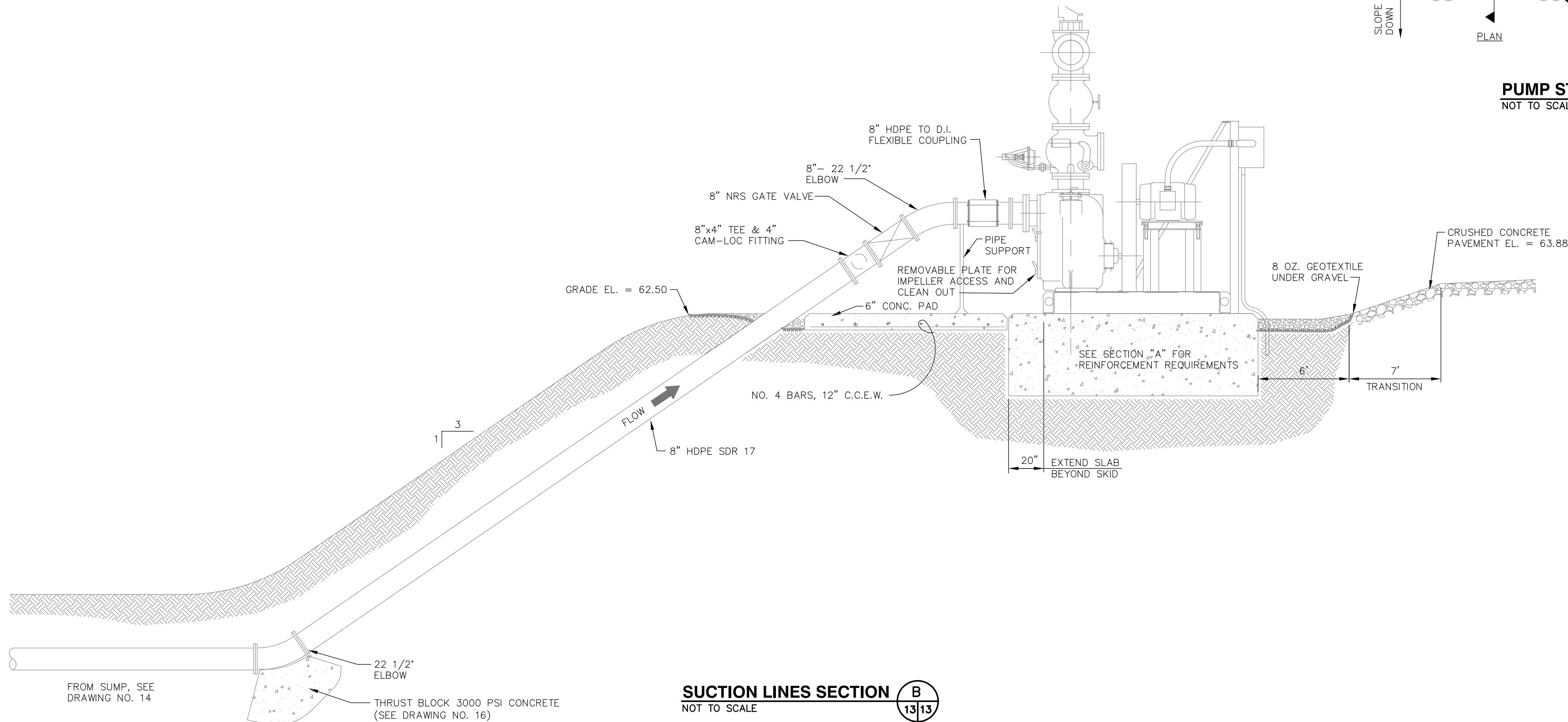
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SCALE: AS SHOWN		DRAIN: DHB		CEH	REV:	DATE:
DRAWING NO.		DHB		CEH	REV:	DATE:
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DISCHARGE LINE SECTION A
NOT TO SCALE
13/13

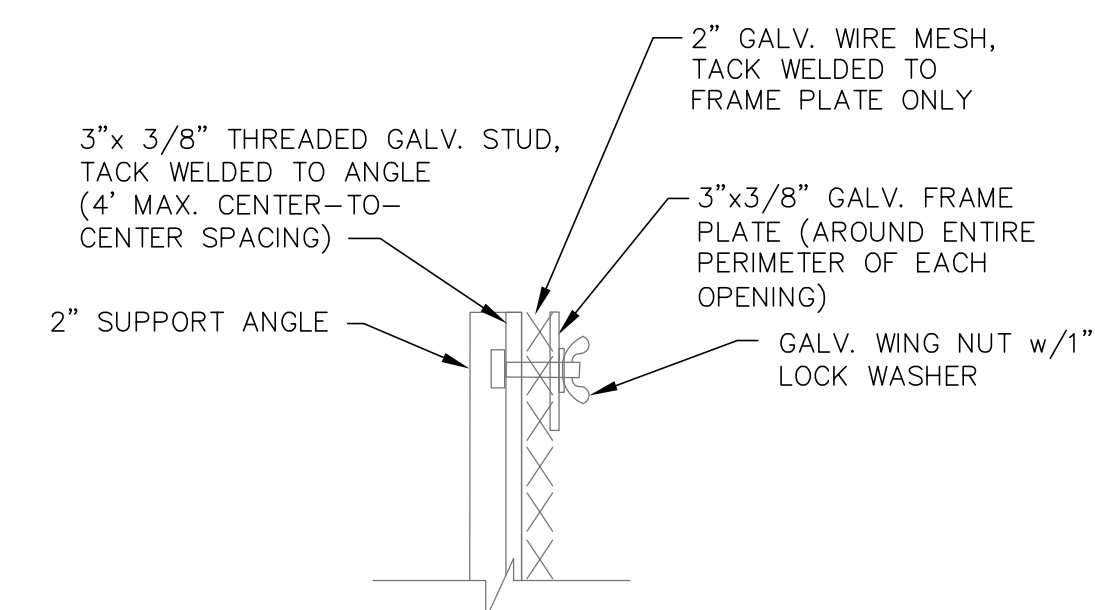
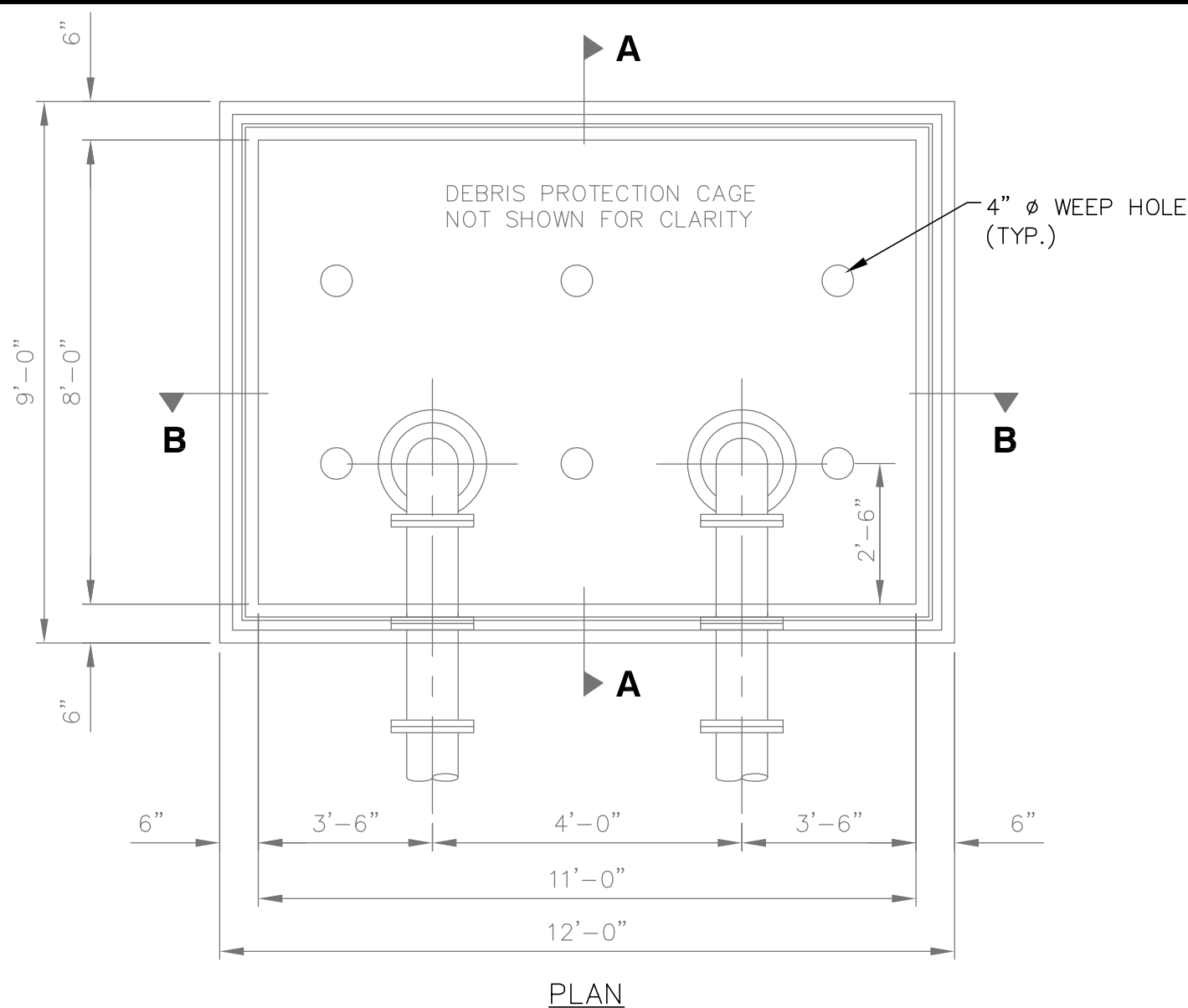


PUMP STATION SITE DETAIL 1
NOT TO SCALE
3/13

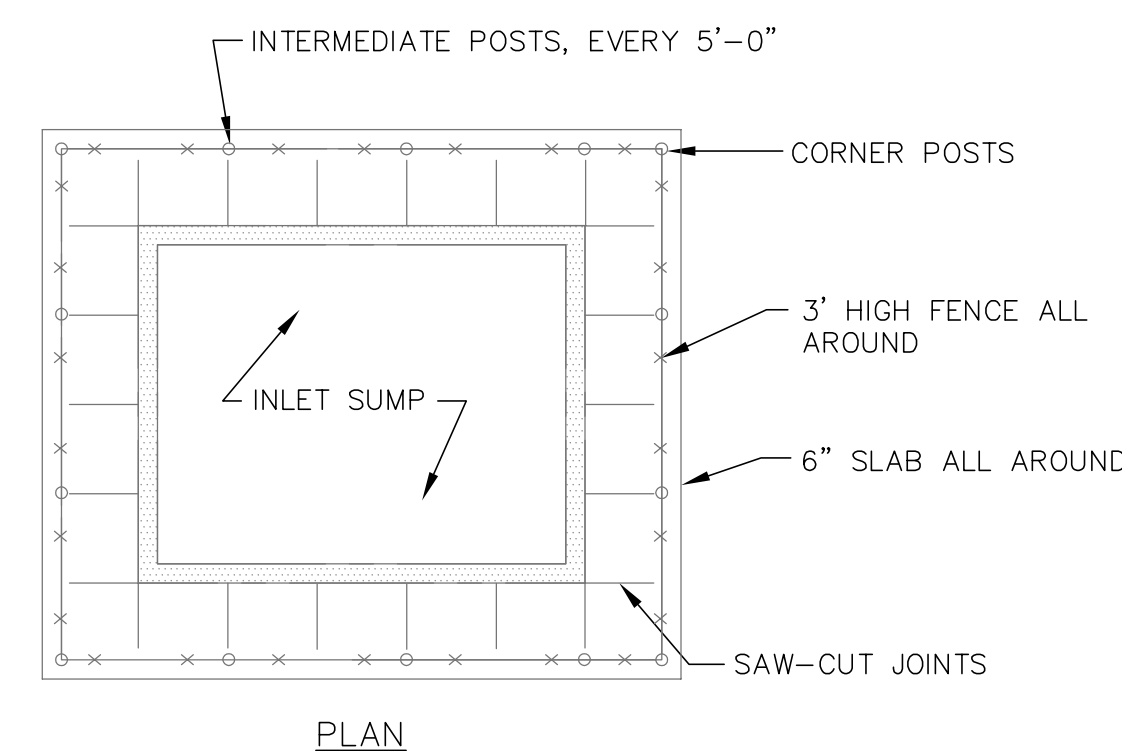
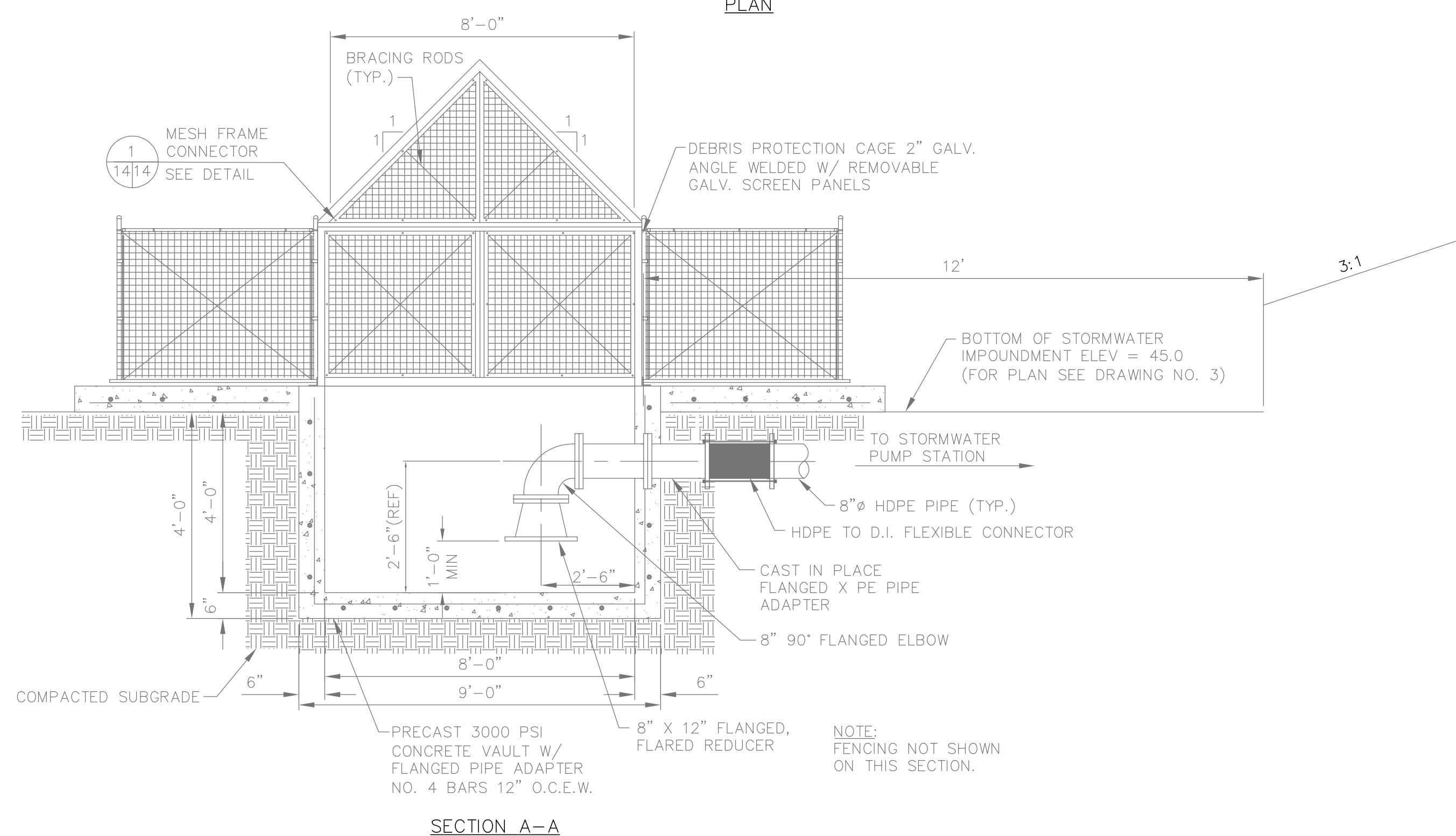


SUCTION LINES SECTION B
NOT TO SCALE
13/13

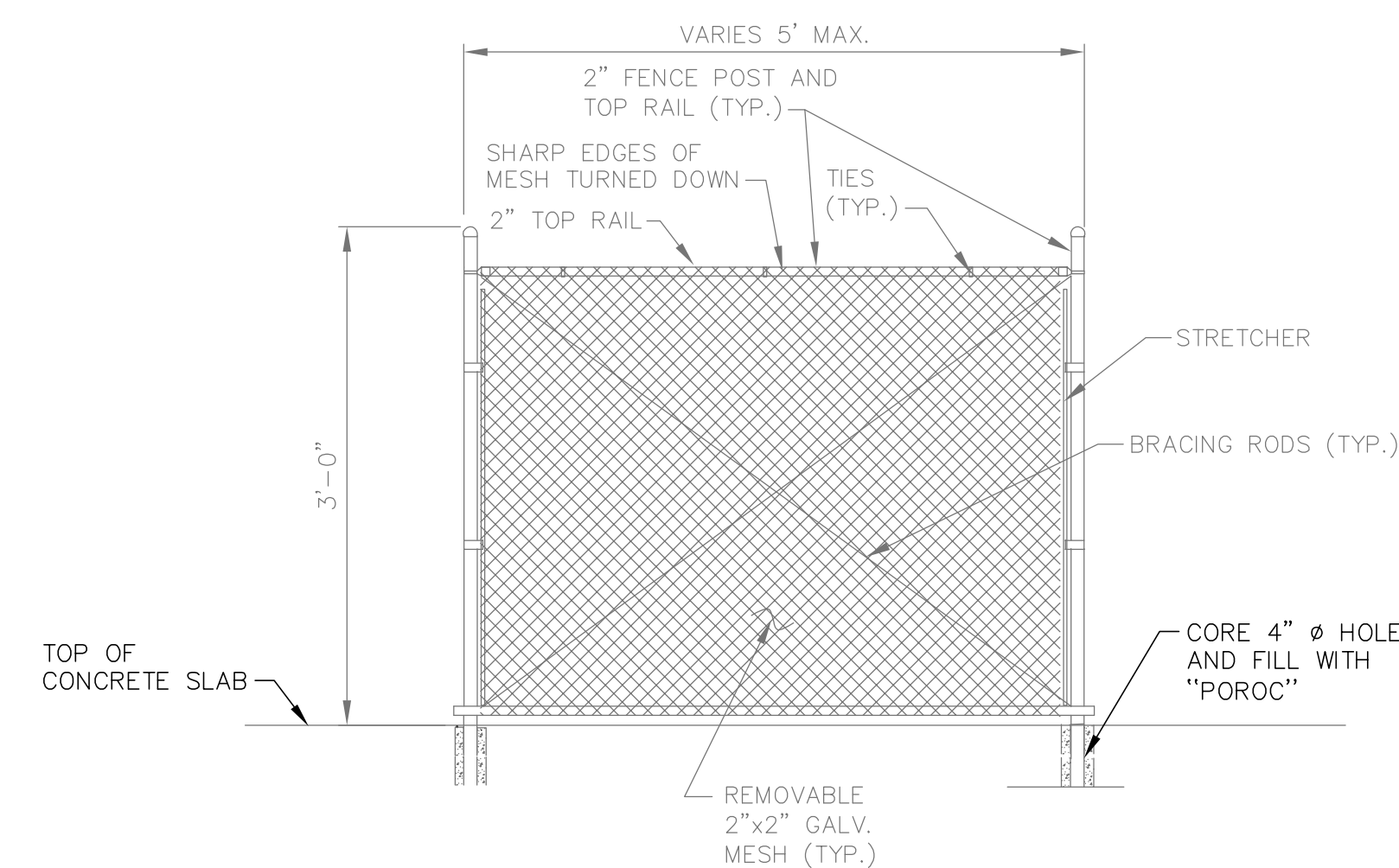
<div>SCS ENGINEERS STEARN, CONRAD AND SCHMIDT CONSULTING ENGINEERS 4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610 813 821-0080 FAX 813 823-4757 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004882</div>	CADD FILE: 074906SMPD.TLS		CLIENT CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA		DRAWING TITLE STORMWATER PUMP STATION DEMOLITION DETAILS		BY DHB	DESCRIPTION DHB	REV 1	DATE 4/8/11	REV 2	DATE 6/22/10	REV 3	DATE 4/11/10	REV 4	DATE 4/11/10	REV 5	DATE 4/11/10	REV 6	DATE 4/11/10	REV 7	DATE 4/11/10	REV 8	DATE 4/11/10	REV 9	DATE 4/11/10	REV 10	DATE 4/11/10	REV 11	DATE 4/11/10	REV 12	DATE 4/11/10	REV 13	DATE 4/11/10	REV 14	DATE 4/11/10	REV 15	DATE 4/11/10	REV 16	DATE 4/11/10	REV 17	DATE 4/11/10	REV 18	DATE 4/11/10	REV 19	DATE 4/11/10	REV 20	DATE 4/11/10	REV 21	DATE 4/11/10	REV 22	DATE 4/11/10	REV 23	DATE 4/11/10	REV 24	DATE 4/11/10	REV 25	DATE 4/11/10	REV 26	DATE 4/11/10	REV 27	DATE 4/11/10	REV 28	DATE 4/11/10	REV 29	DATE 4/11/10	REV 30	DATE 4/11/10	REV 31	DATE 4/11/10	REV 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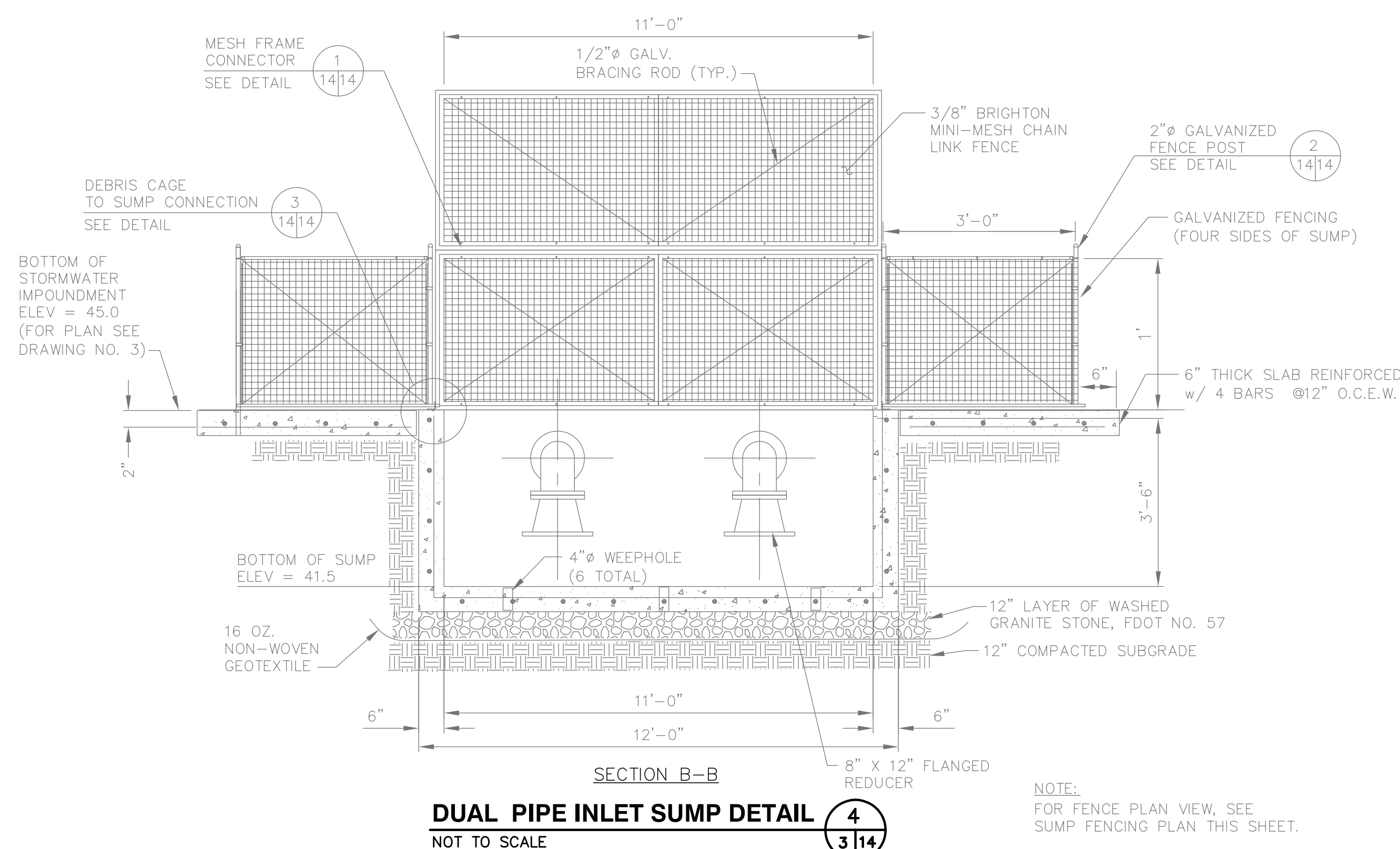
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SUMP FENCING DETAIL 5
NOT TO SCALE 14 | 14



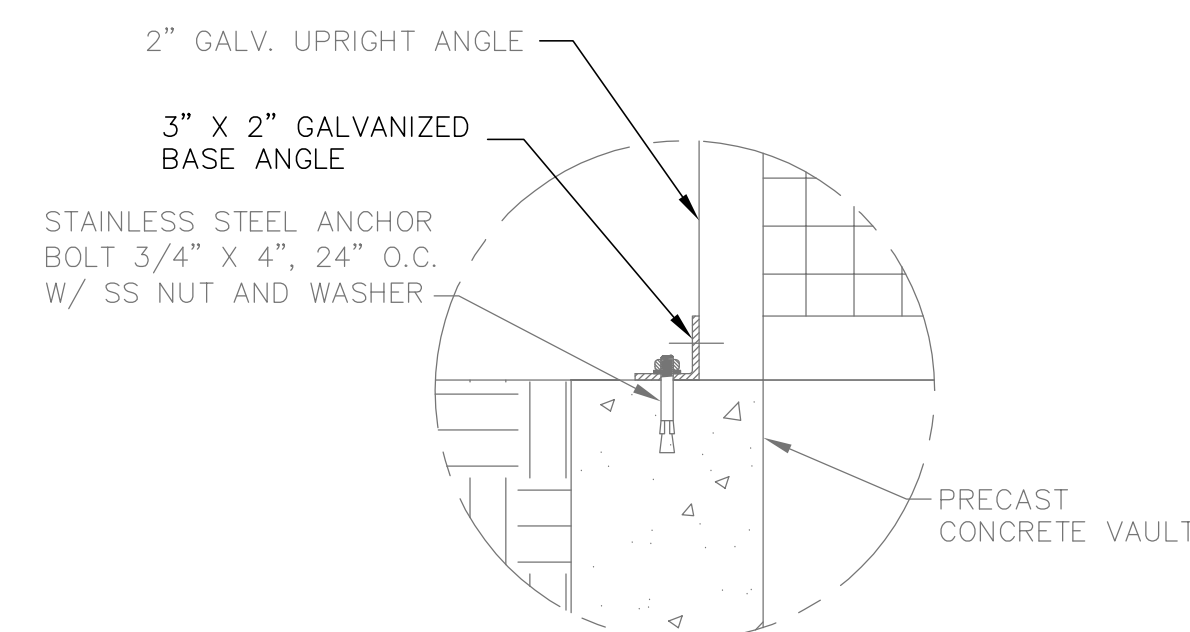
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DUAL PIPE INLET SUMP DETAIL

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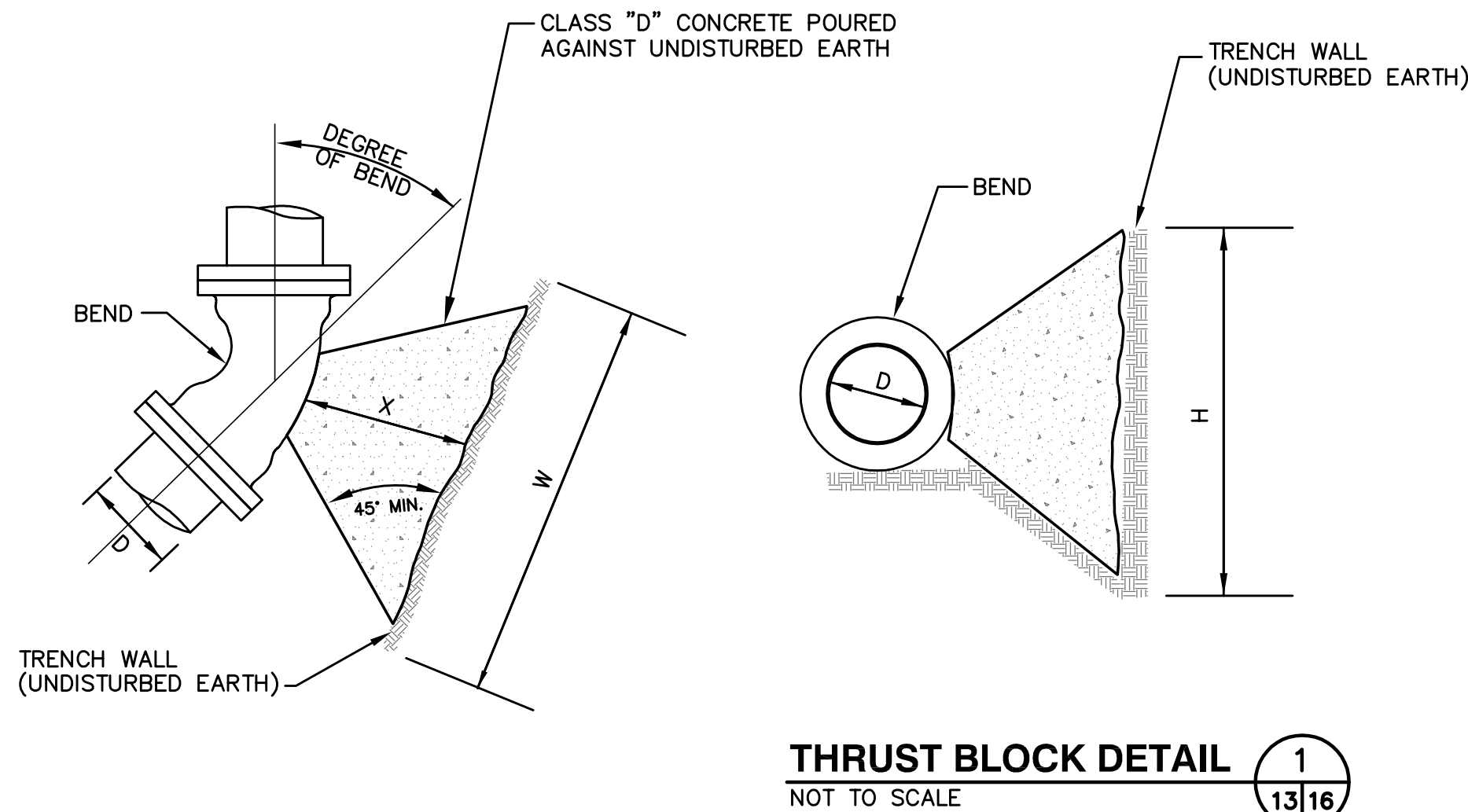
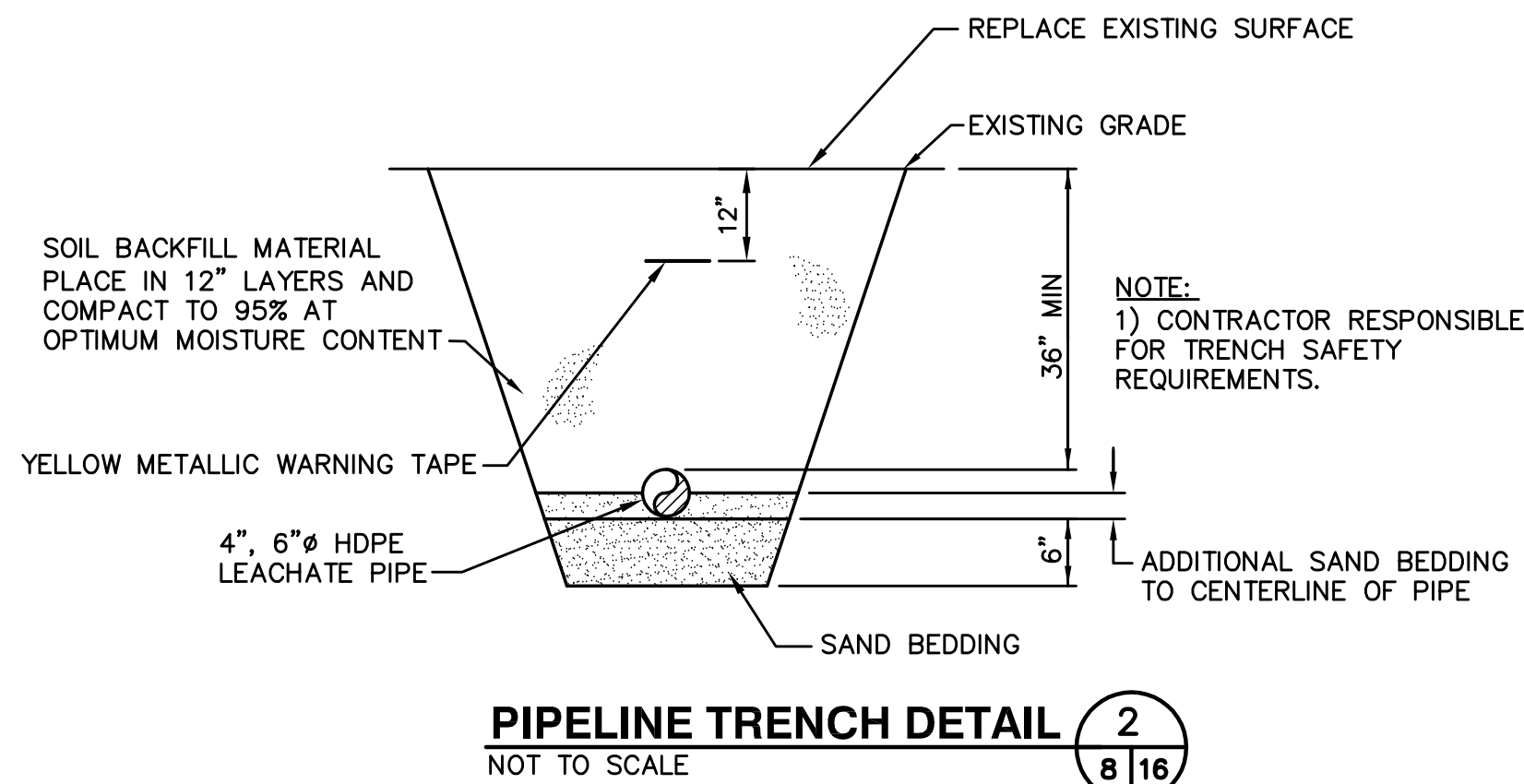
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**DEBRIS CAGE TO SUMP
CONNECTION DETAIL**

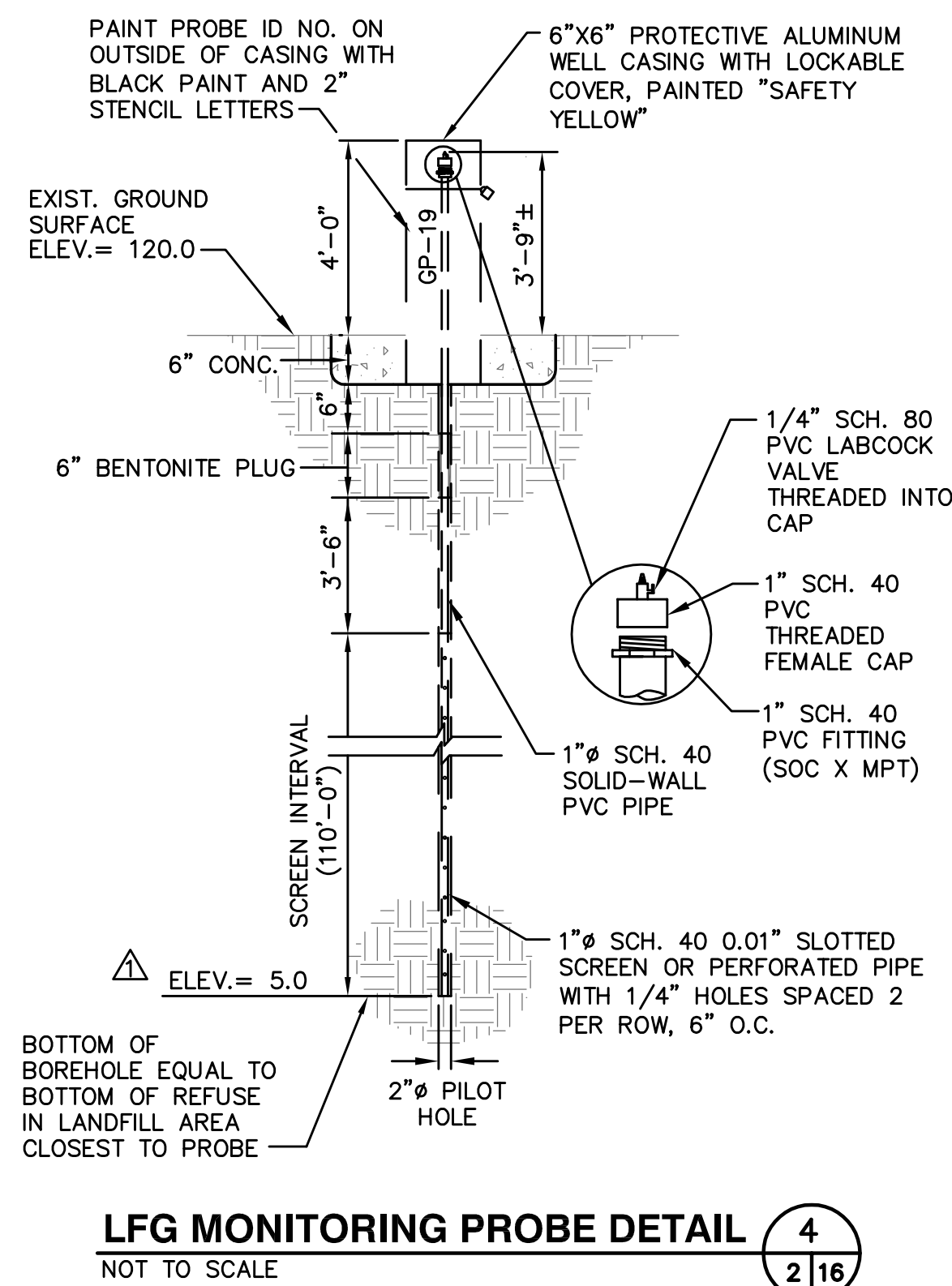
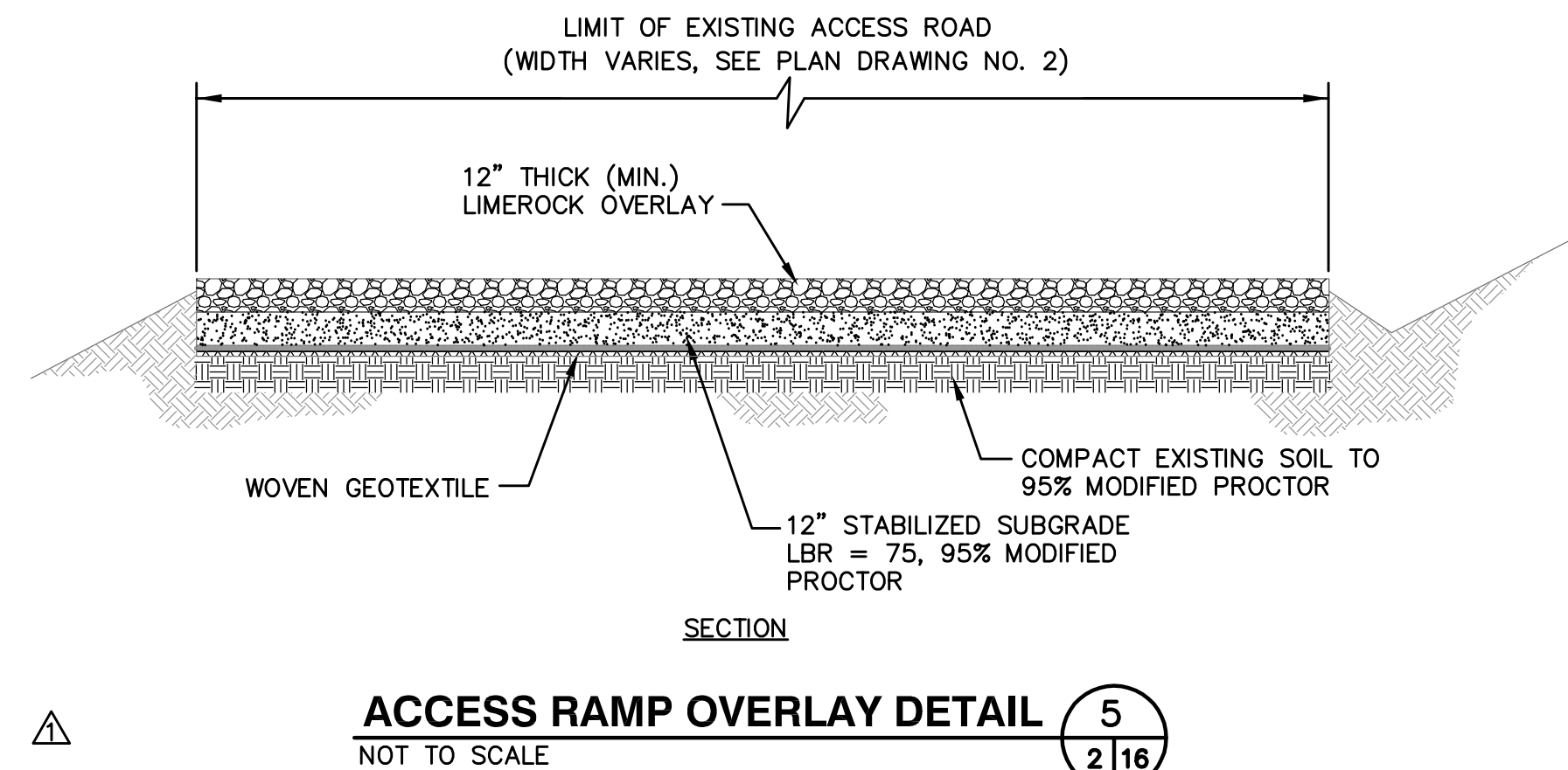
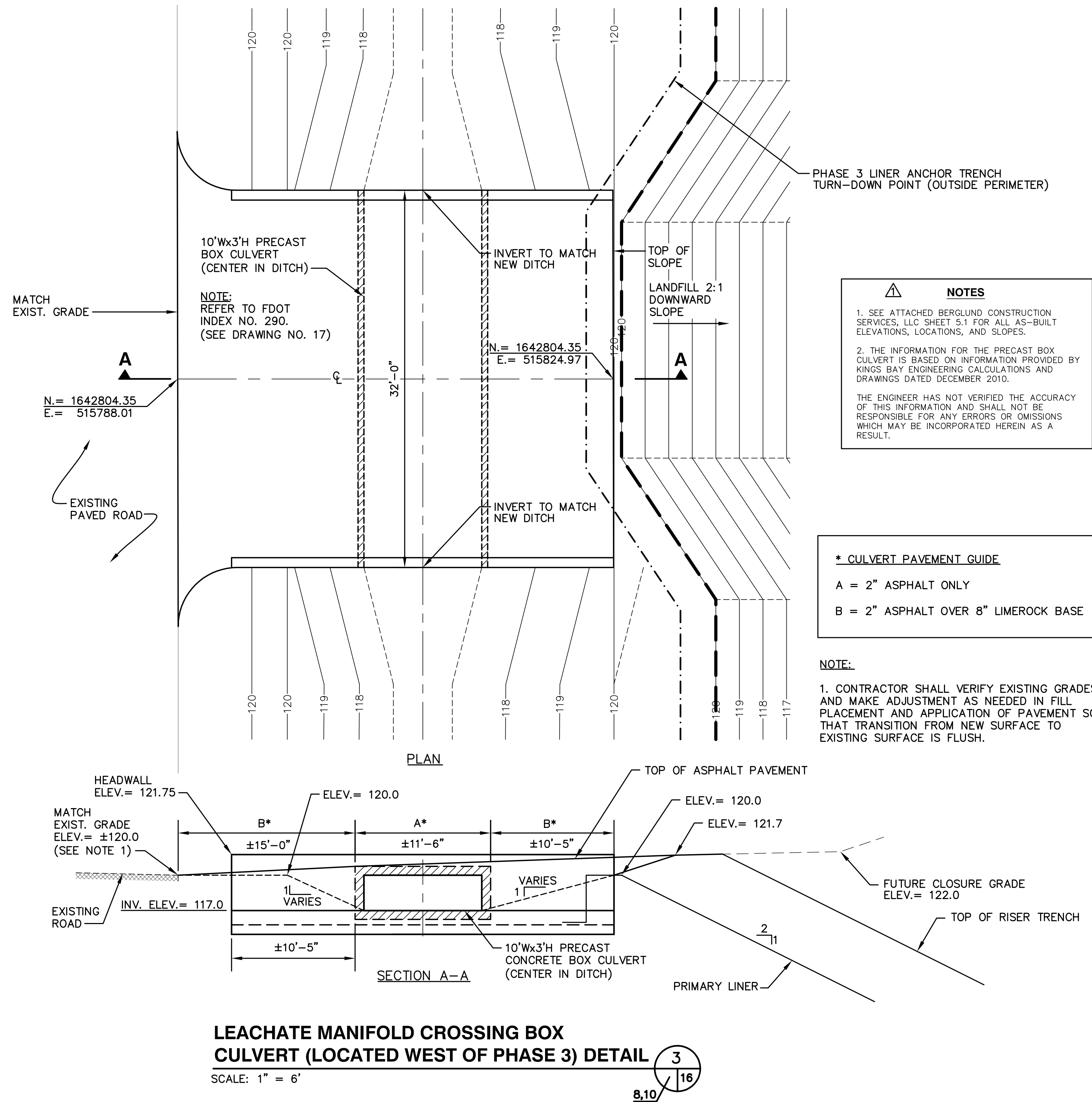
NOT TO SCALE

3
14 14



DIMENSIONS OF THRUST BLOCKS FOR GOOD SOIL					
SIZE (D)	4"	6"	8"	12"	
THRUST (lbs.)	532	1100	1892	4024	
BEARING AREA (ft. ²)	0.27	0.55	0.95	2.01	
CONCRETE (yds ³)	0.02	0.04	0.08	0.24	
H	5"	7"	9"	1'-1"	
W	8"	1'-0"	1'-4"	1'-11"	
X	12" Min.	12" Min.	12" Min.	18" Min.	
THRUST (lbs.)	1059	2188	3765	8010	
BEARING AREA (ft. ²)	0.53	1.09	1.88	4.01	
CONCRETE (yds ³)	0.03	0.08	0.15	0.48	
H	7"	10"	1'-0"	1'-6"	
W	1'-0"	1'-5"	1'-10"	2'-8"	
X	12" Min.	12" Min.	12" Min.	18" Min.	
THRUST (lbs.)	2078	4293	7384	15,711	
BEARING AREA (ft. ²)	1.04	2.15	3.69	7.81	
CONCRETE (yds ³)	0.07	0.16	0.30	0.94	
H	9"	1'-1"	1'-5"	2'-1"	
W	1'-4"	2'-0"	2'-6"	3'-8"	
X	12" Min.	12" Min.	12" Min.	18" Min.	
THRUST (lbs.)	3838	7932	13,645	15,711	
BEARING AREA (ft. ²)	1.92	3.97	6.82	14.51	
CONCRETE (yds ³)	0.12	0.29	0.55	1.75	
H	1'-0"	1'-6"	2'-0"	2'-11"	
W	1'-10"	2'-8"	3'-5"	5'-0"	
X	12" Min.	12" Min.	12" Min.	18" Min.	

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 soil (silty soils, clay, muck and peat) will require larger thrust blocks.
5. Fittings shall be completely polywrapped prior to pouring thrust blocks.



SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610
813 821-0080 FAX 813 823-4757
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 0000482
PROJ. NO. 09207049.06
DATE: 4/11/10

CITRUS COUNTY
SOLID WASTE MANAGEMENT DIVISION
CITRUS COUNTY, FLORIDA

STORMWATER AND MISCELLANEOUS
DETAILS
CENTRAL LANDFILL
PHASE 3 EXPANSION PROJECT
CONSTRUCTION DRAWINGS

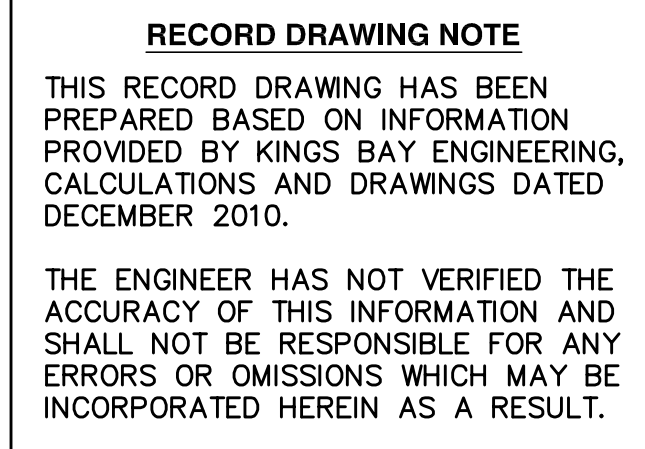
BY: [Signature]
DATE: 4/8/11
REVISED FOR THE RECORD
CONFORMED
REVISED PER ADDENDUM NO. 1
ISSUED FOR BID

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DATE: 4/8/11
REVISED FOR THE RECORD
CONFORMED
REVISED PER ADDENDUM NO. 1
ISSUED FOR BID

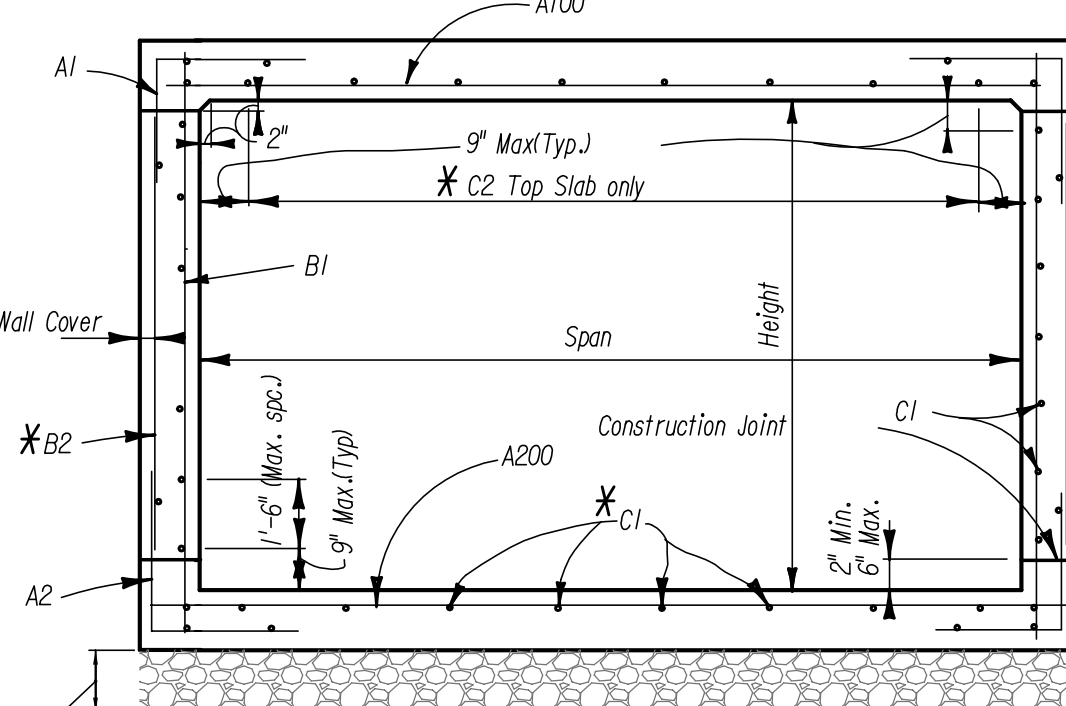
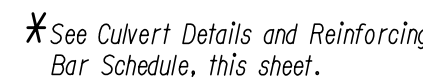
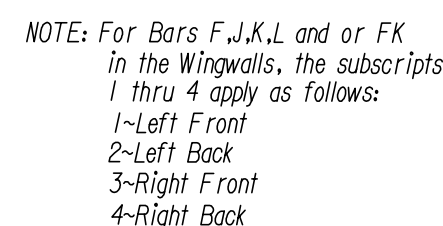
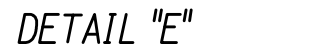
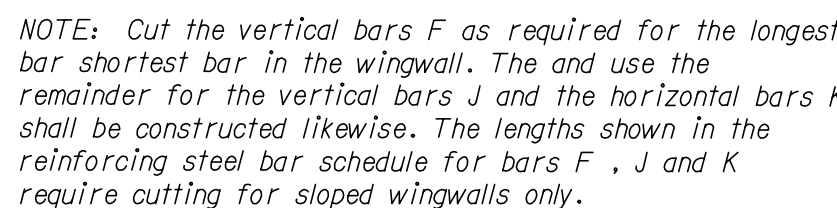
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REVISED FOR THE RECORD
CONFORMED
REVISED PER ADDENDUM NO. 1
ISSUED FOR BID

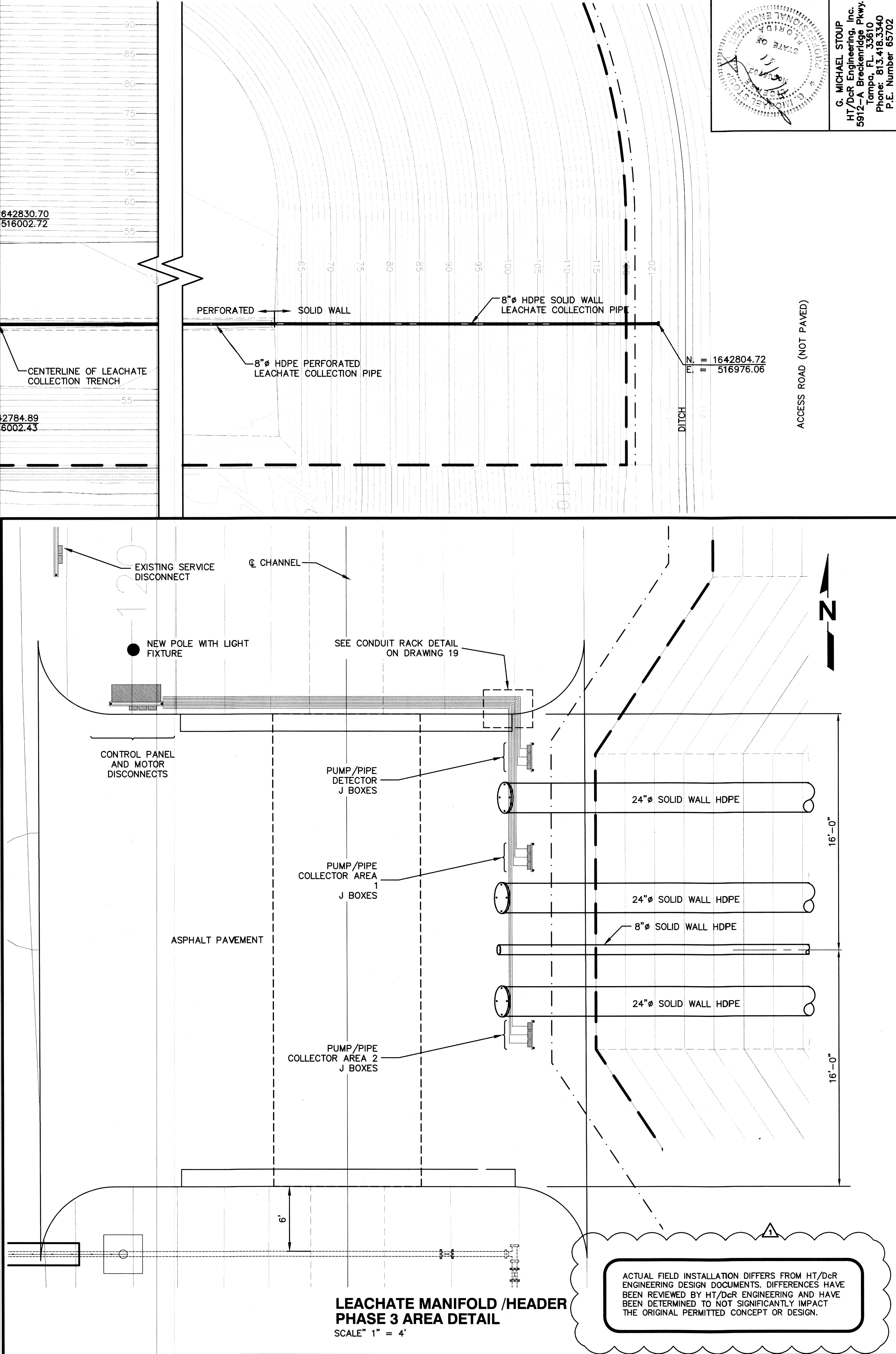
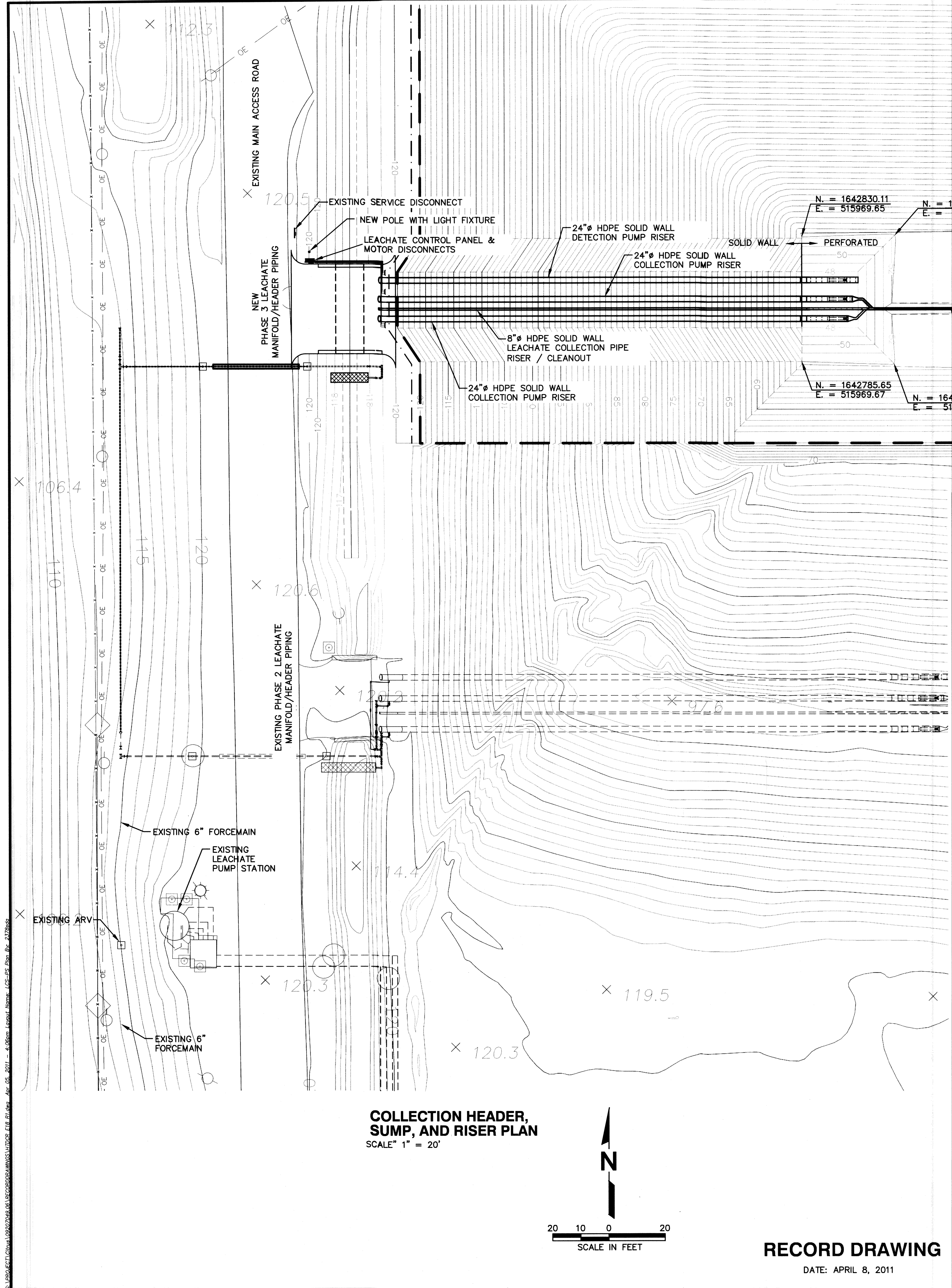
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DATE: APRIL 2010
SCALE: AS SHOWN
DRAWING NO.

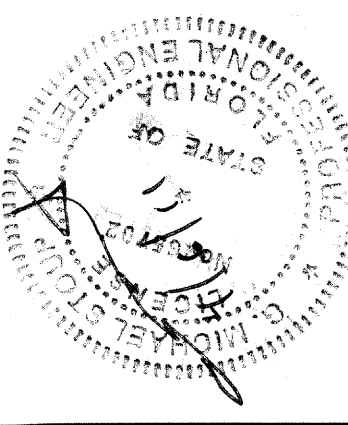
DATE: APRIL 8, 2011



BAR SIZE	SPLICE	BAR SIZE	SPLICE
4	1'- 8"	8	3'- 10"
5	2'- 2"	9	4'- 10"
6	2'- 7"	10	6'- 1"
7	3'- 0"	11	7'- 6"

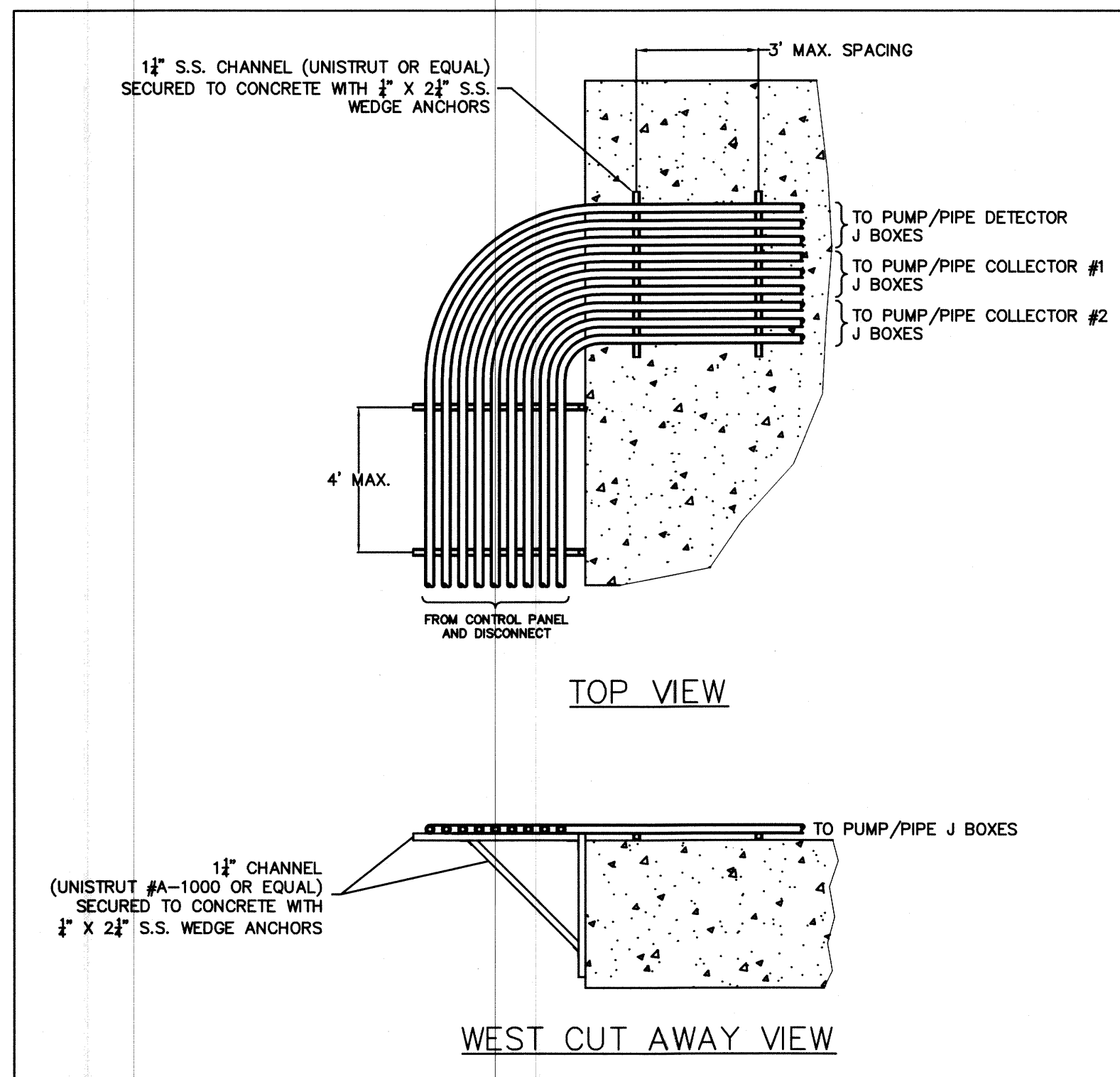
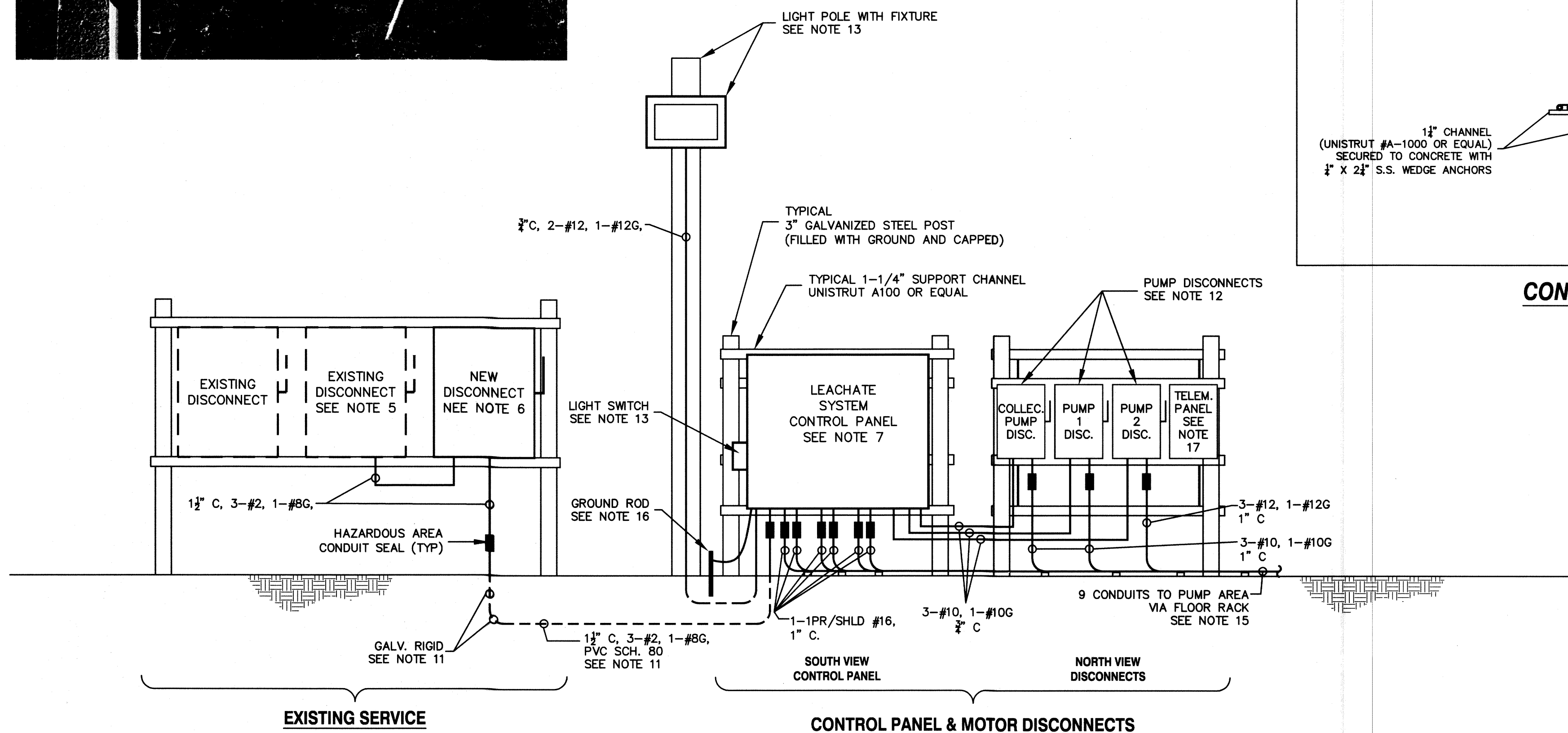
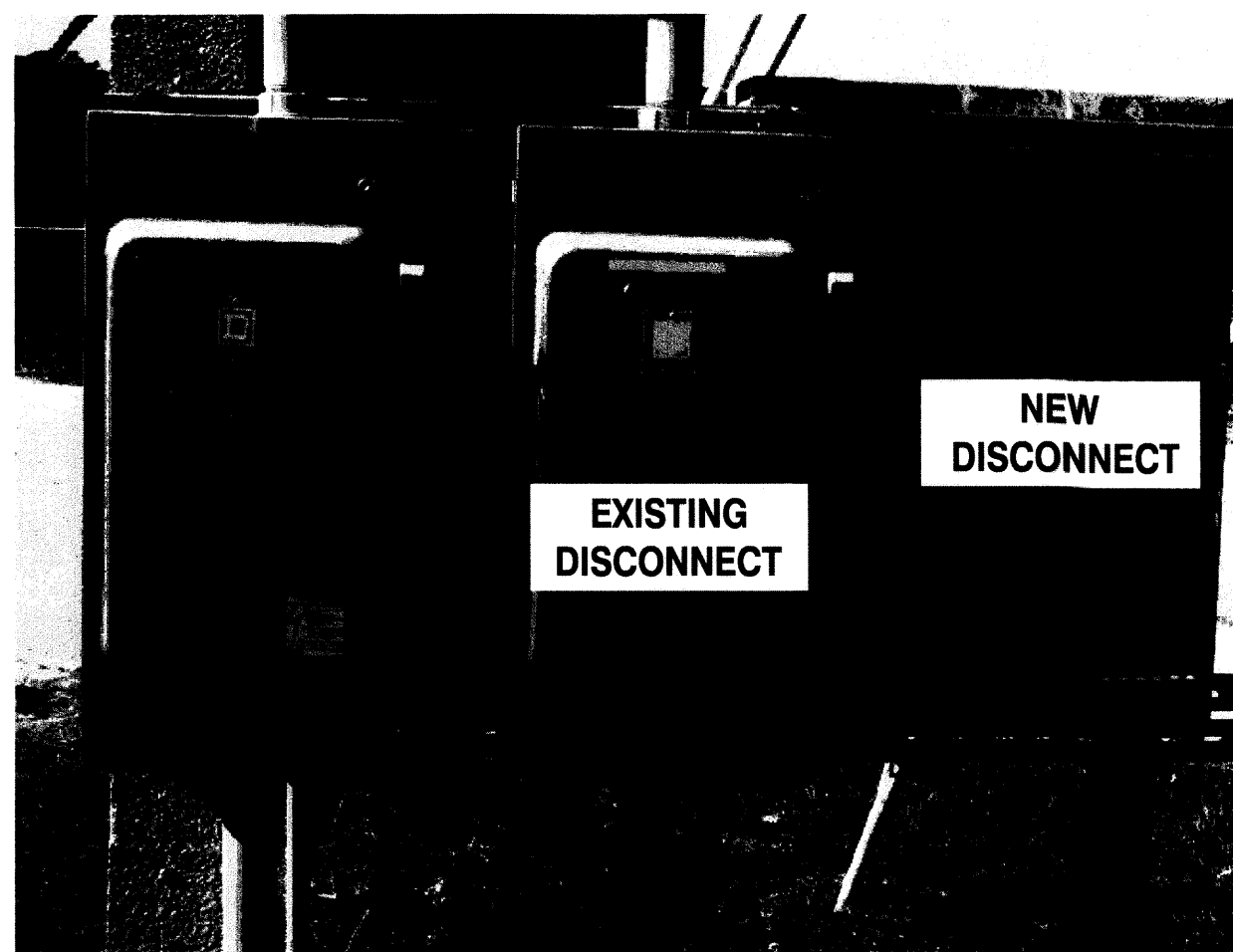






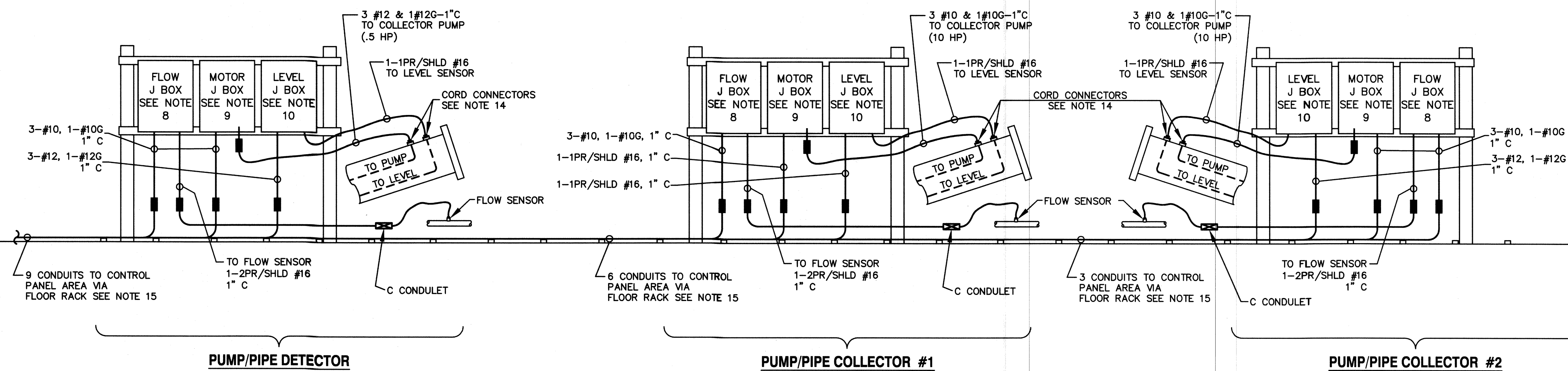
G. MICHAEL STOUP
HT/DCR Engineering, Inc.
5912-A Breckenridge Pkwy.
Tampa, FL 33613
Phone: 813.418.3340
P.E. Number 65702

DRAWING TITLE		CLIENT		PROJECT NO.	
LEACHATE ELECTRICAL SYSTEM		CITRUS COUNTY		18	
EQUIPMENT LOCATION		SOLID WASTE MANAGEMENT DIVISION		of 21	
PROJECT TITLE		CITRUS COUNTY, FLORIDA		P.E.	
CENTRAL LANDFILL		CITRUS COUNTY, FLORIDA		LICENSE NO.	
PHASE 3 EXPANSION PROJECT		CITRUS COUNTY, FLORIDA		SCO	
CONSTRUCTION DRAWINGS		CITRUS COUNTY, FLORIDA		SCO	
BY		DATE		REV	
DESCRIPTION		4/5/11		4/5/11	
TTR		REVISOR		REVISION	
DHB		6/22/10		CONFORMED	
SCO		4/11/10		ISSUED FOR BID	



NOTES:

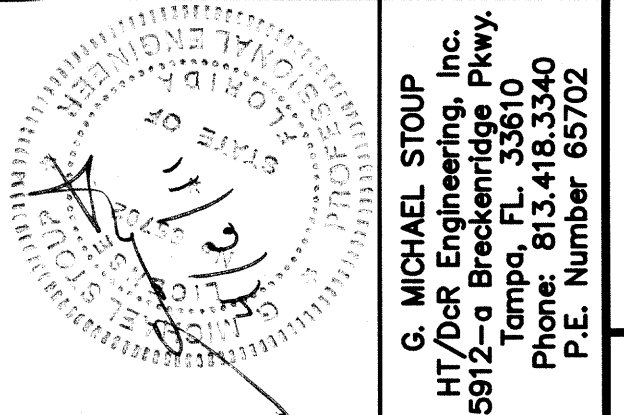
1. ELECTRICAL CONTRACTOR TO BE AWARE OF METHANE GAS HAZARD DURING CONSTRUCTION AND TAKE SUITABLE PRECAUTIONS.
2. ALL ELECTRICAL EQUIPMENT AT PUMPS ARE TO BE EXPLOSION PROOF AND UL LISTED FOR HAZARDOUS LOCATIONS CLASS 1, GROUP D, DIV 1.
3. E.C. = ELECTRICAL CONTRACTOR
4. FBO = FURNISHED BY OTHERS
5. EXISTING DISCONNECT:
 - 5.1. E.C. SHALL REPLACE THE PRIMARY LUGS WITH A DOUBLE LUG KIT, SQUARE D PART NUMBER CL20F.
 - 5.2. ELECTRICAL CONTRACTOR TO COORDINATE WITH THE POWER COMPANY FOR THE DISCONNECTION AND RECONNECTION OF PRIMARY FEEDERS.
 - 5.3. E.C. SHALL PROVIDE AND INSTALL A LAMICOID NAME PLATE, BLACK WITH WHITE LETTERS, DESCRIPTION "LEACHATE PUMP STATION PHASE 2"
6. NEW DISCONNECT:
 - 6.1. PROVIDED AND INSTALLED BY E.C.
 - 6.2. NEW 100 AMP, 3 ϕ , 600 VOLTS, NEMA 4X, S.S. DISCONNECT SHALL BE SQUARE MODEL H363DX.
 - 6.3. FUSES SHALL BE 100 AMPS CLASS "R"
 - 6.4. PROVIDE AND INSTALL A LAMICOID NAME PLATE, BLACK WITH WHITE LETTERS, DESCRIPTION "LEACHATE PUMP STATION PHASE 3"
7. LEACHATE CONTROL PANEL FBO INSTALLATION BY E.C.
8. FLOW J BOX FBO INSTALLATION BY E.C.
 - 8.1. REQUIRES 1-2PR. TWISTED SHIELDED CABLE
9. MOTOR J BOX FBO INSTALLATION BY E.C.
10. LEVEL J BOX FBO INSTALLATION BY E.C.
 - 10.1. REQUIRES 1-2PR. TWISTED SHIELDED CABLE (INTRINSICALLY SAFE CIRCUITS).
 - 10.2. INSTALL AND LABEL INTRINSICALLY SAFE CIRCUITS PER NEC ARTICLE 504.
11. CONDUITS:
 - 11.1. ALL UNDER GROUND CONDUITS FROM ELBOW SHALL BE PVC SCH 80.
 - 11.2. CONDUIT STUB-UPS AT PANELS AND JUNCTION BOXES SHALL BE RIGID GALV. STEEL.
 - 11.3. ALL CONDUITS ABOVE GROUND SHALL BE SUPPORTED USING UNISTRUT WITH CLAMPS.
12. PUMP DISCONNECTS 30 AMPS, 3 ϕ , 600 VOLTS, NEMA 4X S.S., NON-FUSIBLE, SQUARE D #HU361DS
 - 12.1. E.C. SHALL PROVIDE AND INSTALL A LAMICOID NAME PLATE BLACK WITH WHITE LETTERS ON EACH OF THE DISCONNECT, #MVK-025H-268 WITH POLE MOUNTING KIT #4041
13. WOOD POLE WITH LIGHT FIXTURE LIGHT:
 - 13.1. 35' WOOD POLE CATEGORY 1, DIRECT BURIAL, DEPTH PER MANUFACTURER RECOMMENDATIONS.
 - 13.2. LIGHT FIXTURE METAL HALIDE, 250 WATTS, 120 VOLTS, HUBBELL #MVK-025H-268 WITH POLE MOUNTING KIT #4041
 - 13.3. APPROXIMATE FIXTURE MOUNTING HEIGHT 25'.
 - 13.4. LIGHT SWITCH WILL BE PROVIDED WITH CONTROL PANEL E.C. TO WIRE.
14. MOTORS & LEVELS WILL BE FURNISHED AND INSTALLED BY OTHERS.
 - 14.1. MOTOR AND LEVEL WILL BE PROVIDED WITH CABLE, E.C. SHALL PROVIDE "Q2" TYPE "SR" CORD CONNECTORS, DRILL PIPE TO PROPER SIZE, AND INSTALL.
15. CONDUIT SUPPORT RACK;
 - 15.1. E.C. TO DETERMINE BEST ROUTING.
 - 15.2. SEE RACK DETAILS FOR ADDITIONAL INFORMATION
16. GROUND ROD:
 - 16.1. E.C. TO PROVIDE AND INSTALL ONE COPPERCLAD 3/4" X 20' GROUND ROD.
 - 16.2. INSTALL A #4 STRANDED BARE COPPER FROM GROUND ROD TO CONTROL PANEL.
17. TELEMETRY PANEL
 - 17.1. FURNISH AND INSTALL BY OTHERS
 - 17.2. E.C. TO ALLOW SUFFICIENT ROOM IN THE RACK



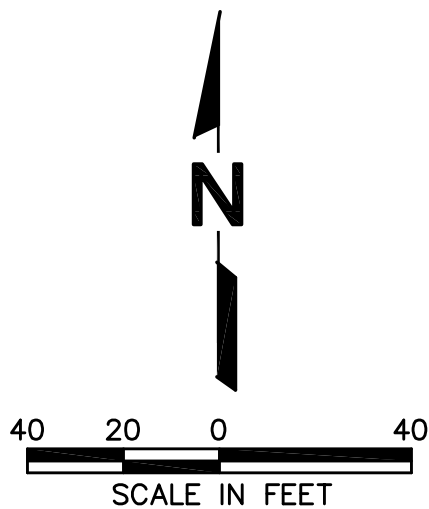
N
LEACHATE MANIFOLD/HEADER AREA
NOT TO SCALE

RECORD DRAWING
DATE: APRIL 8, 2011

ACTUAL FIELD INSTALLATION DIFFERS FROM HT/Dcr ENGINEERING DESIGN DOCUMENTS. DIFFERENCES HAVE BEEN REVIEWED BY HT/Dcr ENGINEERING AND HAVE BEEN DETERMINED TO NOT SIGNIFICANTLY IMPACT THE ORIGINAL PERMITTED CONCEPT OR DESIGN.



SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS 4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610 813 821-0080 FAX 813 822-4757 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892 PROJ. NO. 09207049.06 CHK'D BY: SGO APP. BY: -		CADD FILE: HT/DCR E19 DATE: APRIL 2010 SCALE: AS SHOWN DRAWING NO. 19 of 21	
CLIENT CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA		PROJECT TITLE CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION DRAWINGS	
DRAWING TITLE LEACHATE ELECTRICAL SYSTEM RISER DIAGRAM & NOTES		BY DATE REV DATE REV DATE REV DATE REV	
DESCRIPTION		TTR DHB SGO	
P.E. LICENSE NO.		P.E. LICENSE NO.	



LEGEND

- | | |
|-------|---------------------------|
| ***** | EXTRUSION WELD |
| _____ | FUSION WELD |
| P-43 | PRIMARY PANEL NUMBER |
| R59 | REPAIR NUMBER |
| DP13 | DESTRUCTIVE SAMPLE NUMBER |
| ○ | REPAIR |
| ▲ | DESTRUCTIVE SAMPLE |
| ⊕ | BOOT AROUND 24" HDPE PIPE |

RECORD DRAWING
DATE: APRIL 8, 2011

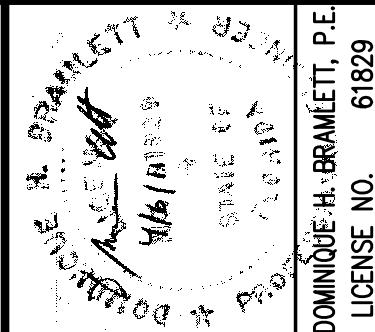
CLIENT

**CITRUS COUNTY
SOLID WASTE MANAGEMENT DIVISION
CITRUS COUNTY, FLORIDA**

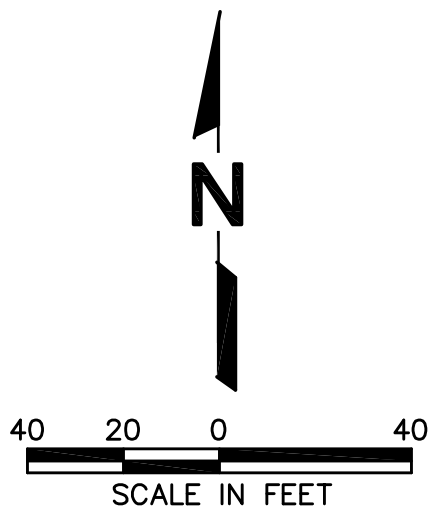
TILE PRIMARY LINER AS-BUILT PANEL LAYOUT

**CENTRAL LANDFILL
PHASE 3 EXPANSION PROJECT
CONSTRUCTION DRAWINGS**

REV	DATE	DESCRIPTION	BY
△			
△			
△			
△			
△			
△	4/8/11	DRAWING ADDED FOR THE RECORD	DHR



DOMINIQUE H. BRAMLETT, P.
LICENSE NO. 61829



LEGEND

- | | |
|-------|---------------------------|
| ***** | EXTRUSION WELD |
| ----- | FUSION WELD |
| S-43 | SECONDARY PANEL NUMBER |
| R59 | REPAIR NUMBER |
| DS13 | DESTRUCTIVE SAMPLE NUMBER |
| o | REPAIR |
| ▲ | DESTRUCTIVE SAMPLE |

DOMINIQUE H. BRAMLETT, P.E.
LICENSE NO. 61829

REV	DATE	DESCRIPTION	BY
△			
△			
△			
△			
△			
△	4/8/11	DRAWING ADDED FOR THE RECORD	DHB

DRAWING TITLE
**SECONDARY LINER AS-BUILT
PANEL LAYOUT**

PROJECT TITLE
**CENTRAL LANDFILL
PHASE 3 EXPANSION PROJECT
CONSTRUCTION DRAWINGS**

CITRUS COUNTY
SOLID WASTE MANAGEMENT DIVISION
CITRUS COUNTY, FLORIDA

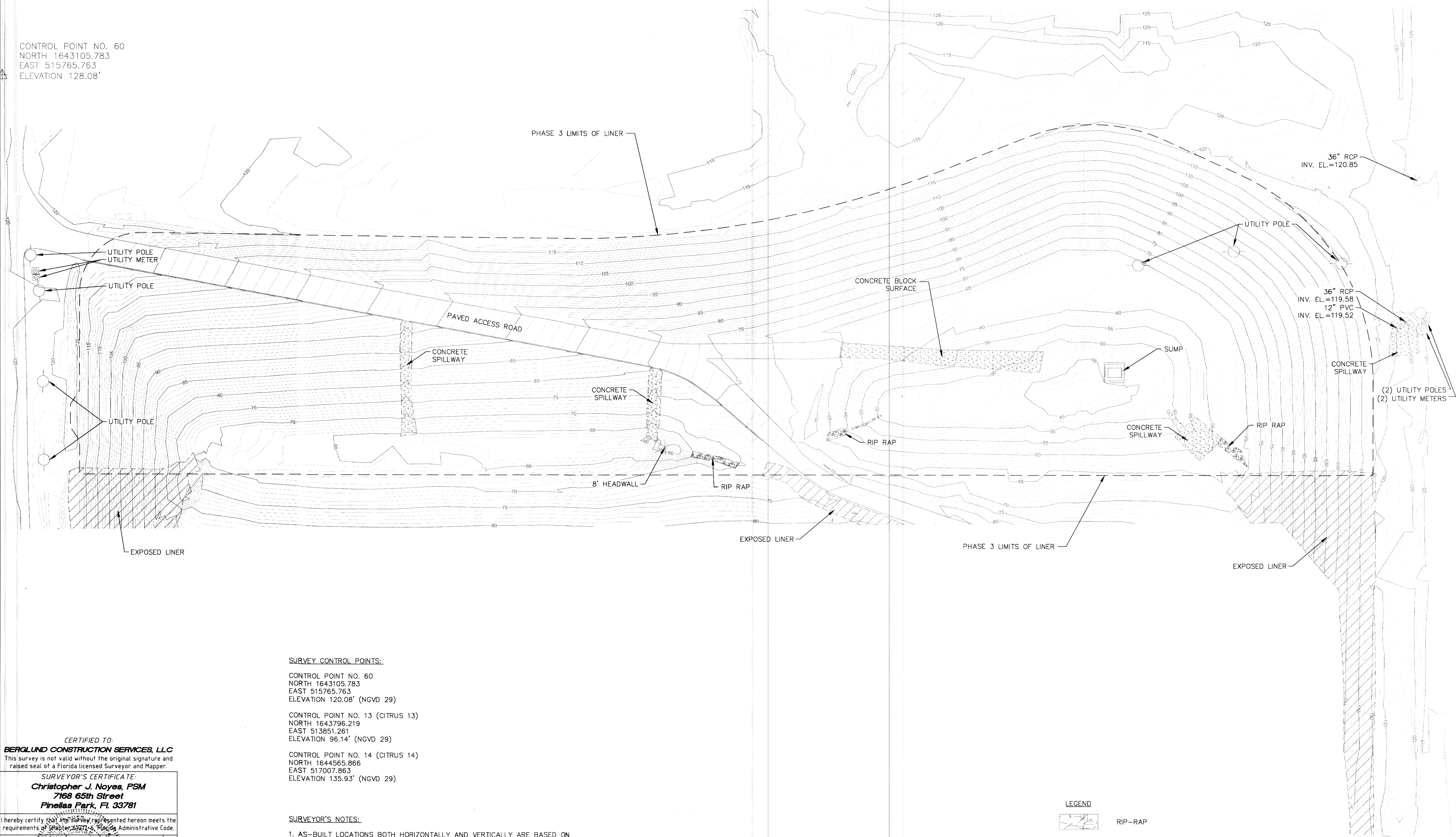
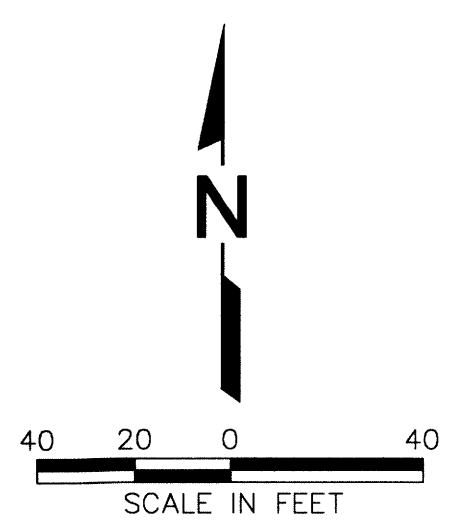
SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS 4041 PARK OAKS BLVD., SUITE 100, TAMPA, FL 33610 813 621-0080 FAX 813 624-6757 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892	PROJ. NO.	092707049.06	DWN. BY:	SPS	C/A RWA BY:	CEH
	ISSN. BY:		CHK. BY:		APP. BY:	
	DHB	DHB	CEH	DHB		

CADD FILE:	074906SECONDARYLINER
DATE:	APRIL 2011
SCALE:	AS SHOWN
DRAWING NO.	

21 of 21

RECORD DRAWING
DATE: APRIL 8, 2011

CONTROL POINT NO. 60
NORTH 1643105.783
EAST 515765.763
ELEVATION 128.08'



SURVEY CONTROL POINTS:

CONTROL POINT NO. 60
NORTH 1643105.783
EAST 515765.763
ELEVATION 120.08' (NGVD 29)

CONTROL POINT NO. 13 (CITRUS 13)
NORTH 1643796.219
EAST 513851.261
ELEVATION 96.14' (NGVD 29)

CONTROL POINT NO. 14 (CITRUS 14)
NORTH 1644565.866
EAST 517007.863
ELEVATION 135.93' (NGVD 29)

SURVEYOR'S NOTES:

- AS-BUILT LOCATIONS BOTH HORIZONTALLY AND VERTICALLY ARE BASED ON SITE PLAN CONTROL POINTS, AS SHOWN ON THE CONSTRUCTION DRAWINGS OF CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT.
- THIS DOCUMENT IS NOT INTENDED TO REPRESENT A BOUNDARY SURVEY.
- THIS DOCUMENT MEETS COMMERCIAL/HIGH RISK LINEAR: 1:10,000.

LEGEND

- RIP-RAP
- CONCRETE SURFACE
- EXPOSED LINER

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.

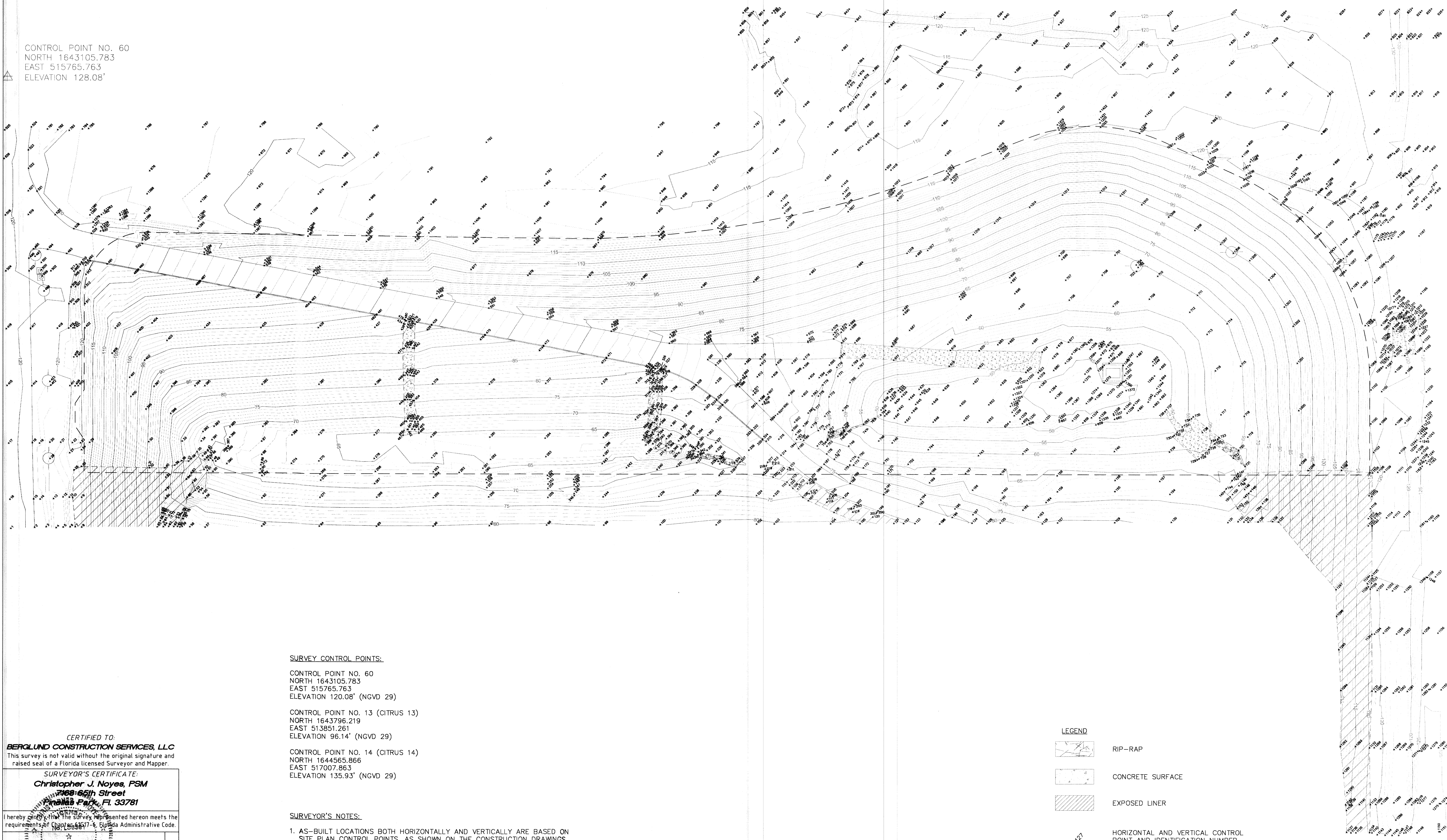
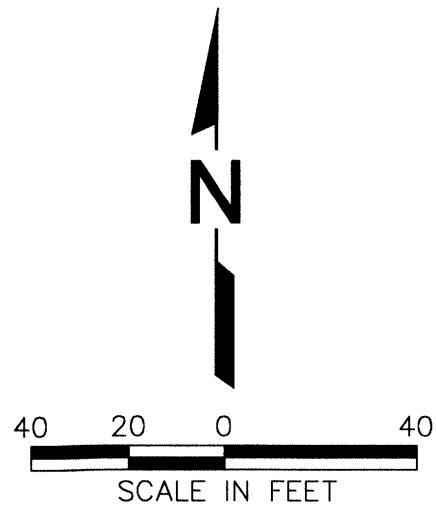
SURVEYOR'S CERTIFICATE:
Christopher J. Noyes, PSM
7168 65th Street
Pinellas Park, FL 33781

I hereby certify that the survey represented hereon meets the requirements of Chapter 61G71-6, Florida Administrative Code.

Last Survey Date:
07/20/10

<div>PREPARED FOR</div> <div>COMANCO ENVIRONMENTAL CORPORATION PLANT CITY, FLORIDA</div> <div>BERGLUND CONSTRUCTION SERVICES, LLC PINELLAS COUNTY, FLORIDA P: 727-639-1241 F: 727-475-9879</div> <div>PROJ. NO. 09207049.06 DWN. BY: JB CHK. BY: CN APP. BY:</div> <div>CADD FILE: ASB_074906EXIST</div> <div>DATE: JULY 2010</div> <div>SCALE: AS SHOWN</div> <div>DRAWING NO.</div> <div>1 of 3</div>	DRAWING TITLE	EXISTING SITE AS-BUILT PLAN			
	PROJECT TITLE				
		REV	DATE	DESCRIPTION	BY
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		△			
		△			
		△	07/20/10	AS-BUILT INFORMATION	JB
		△			

CONTROL POINT NO. 60
NORTH 1643105.783
EAST 515765.763
ELEVATION 128.08'



SURVEY CONTROL POINTS:

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NORTH 1643105.783
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ELEVATION 120.08' (NGVD 29)

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CONTROL POINT NO. 14 (CITRUS 14)
NORTH 1644565.866
EAST 517007.863
ELEVATION 135.93' (NGVD 29)

SURVEYOR'S NOTES:

- AS-BUILT LOCATIONS BOTH HORIZONTALLY AND VERTICALLY ARE BASED ON SITE PLAN CONTROL POINTS. AS SHOWN ON THE CONSTRUCTION DRAWINGS OF CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT.
- THIS DOCUMENT IS NOT INTENDED TO REPRESENT A BOUNDARY SURVEY.
- THIS DOCUMENT MEETS COMMERCIAL/HIGH RISK LINEAR: 1:10,000.

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
7600 65th Street
Pinellas Park, FL 33781

I hereby certify that the survey represented hereon meets the requirements of Chapter 646.17-6, Florida Administrative Code.

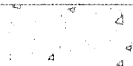
STATE OF FLORIDA
BERGLUND CONSTRUCTION SERVICES, LLC
Christopher J. Noyes, PSM
Florida Surveyors Registration No. 6381

Last Survey Date: 07/20/10

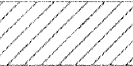
LEGEND



RIP-RAP



CONCRETE SURFACE



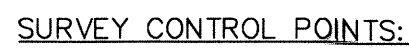
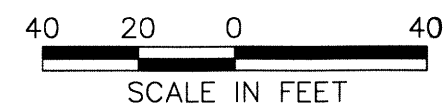
EXPOSED LINER

4-127

HORIZONTAL AND VERTICAL CONTROL POINT AND IDENTIFICATION NUMBER (SEE DRAWING NO. 3 FOR COORDINATE LOCATIONS AND ELEVATIONS)

DRAWING TITLE		REV	DATE	DESCRIPTION	BY
EXISTING SITE AS-BUILT CONTROL POINT PLAN		△			
PROJECT TITLE		△			
CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT		△			
PREPARED FOR		△	07/20/10	AS-BUILT INFORMATION	JB
COMANCO ENVIRONMENTAL CORPORATION PLANT CITY, FLORIDA					
BERGLUND CONSTRUCTION SERVICES, LLC PINELLAS COUNTY, FLORIDA P: 727-639-1241 F: 727-475-9979		PROJ. NO. 09207049.06	DWN. BY: JB	Q/A RW BY: CN	APP. BY:
CADD FILE: ASB_074906EXIST					
DATE: JULY 2010					
SCALE: AS SHOWN					
DRAWING NO.					
2 of 3					

EXISTING SITE AS-BUILT CONTROL POINT TABLE										CENTRAL LADFILL PHASE 3 EXPANSION PROJECT									
DRAWING TITLE										PROJECT TITLE									
PREPARED FOR										COMANCO ENVIRONMENTAL CORPORATION									
BY										PLANT CITY, FLORIDA									
DATE										AS-BUILT INFORMATION									
DESCRIPTION										07/20/10									
BY										CN									
DATE										CN									
DESCRIPTION										AS-BUILT INFORMATION									
BY										CN									
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DESCRIPTION										AS-BUILT INFORMATION									
BY										CN									
DATE																			



CONTROL POINT NO. 60
NORTH 1643105.783
EAST 515765.763
ELEVATION 120.08' (NGVD 29)

CONTROL POINT NO. 13 (CITRUS 13)
NORTH 1643796.219
EAST 513851.261
ELEVATION 96.14' (NGVD 29)

CONTROL POINT NO. 14 (CITRUS 14)
NORTH 1644565.866
EAST 517007.863
ELEVATION 135.93' (NGVD 29)

1. AS-BUILT LOCATIONS BOTH HORIZONTALLY AND VERTICALLY ARE BASED ON SITE PLAN CONTROL POINTS, AS SHOWN ON THE CONSTRUCTION DRAWINGS OF CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT.
2. CLOUDED AREA DENOTES AS-BUILT INFORMATION.
3. THIS DOCUMENT IS NOT INTENDED TO REPRESENT A BOUNDARY SURVEY.
4. THIS DOCUMENT MEETS COMMERCIAL/HIGH RISK LINEAR: 1:10,000.

55 TOP OF SUBGRADE LAYER CONTOUR
 (5 FOOT INTERVAL)

116.0 SPOT ELEVATION

90 EXISTING GRADE CONTOUR
 (5 FOOT INTERVAL) 04/08/09 SURVEY

90 EXISTING GRADE CONTOUR
 (1 FOOT INTERVAL) 04/08/09 SURVEY

SURFACE WATER FLOW/SLOPE DIRECTION

APPROXIMATE LIMIT OF EXISTING
 PHASE 2 DISPOSAL CELL (SEE NOTE 1)

LIMIT OF PHASE 3 DISPOSAL CELL
 (AT TOP OF SLOPE)

PHASE 3 LINER ANCHOR TRENCH
 TURN-DOWN POINT (OUTSIDE PERIMETER)

1. EXISTING PHASE 2 LINER LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR TO CAREFULLY EXCAVATE EXISTING SOIL AND/OR MUNICIPAL WASTE TO EXPOSE EXISTING PHASE 2 LINER FOR PHASE 3 LINER TIE-IN.
2. TOPOGRAPHIC SURVEY PERFORMED BY PICKETT & ASSOCIATES, INC., 475 SOUTH FIRST AVENUE, BARTOW, FLORIDA, 33830, TEL: (863) 533-9095. SURVEY INFORMATION SHOWN WAS DEVELOPED BY PHOTOGRAMMETRIC METHODS BASED ON AN AERIAL PHOTO DATE OF APRIL 8, 2009.
3. CONTRACTOR SHALL PROVIDE TEMPORARY FACILITIES COMPATIBLE WITH PROPOSED IMPROVEMENTS AND COMPATIBLE WITH COUNTY OPERATIONS, FOR DIVERTING STORM WATER RUNOFF FROM ACTIVE LANDFILL, SO THAT CONSTRUCTION CAN BE ACCOMPLISHED IN ACCORDANCE WITH SPECIFICATIONS. SEE SPECIFICATION SECTION 312000 FOR EXCAVATION PLAN REQUIREMENTS.
4. ALL FINISHED SLOPES GREATER THAN 10% OUTSIDE THE ANCHOR TRENCH LIMIT SHALL BE SODDED. SOD ON SLOPES GREATER THAN 3:1 SHALL BE PINNED. CONTRACTOR SHALL STABILIZE ALL TEMPORARY SLOPES TO MINIMIZE EROSION.

SWALE SIDE SLOPES VARY,
TIE TO EXISTING TOE OF S

GRADE FOR SMOOTH TRANSITION
TIE-IN TO EXISTING SWALE ———

PREPARED FOR

**COMANCO ENVIRONMENTAL
CORPORATION
PLANT CITY, FLORIDA**

BERGLUND CONSTRUCTION SERVICES, LLC
PINELLAS COUNTY, FLORIDA
P: 727-639-1241 F: 727-475-9979

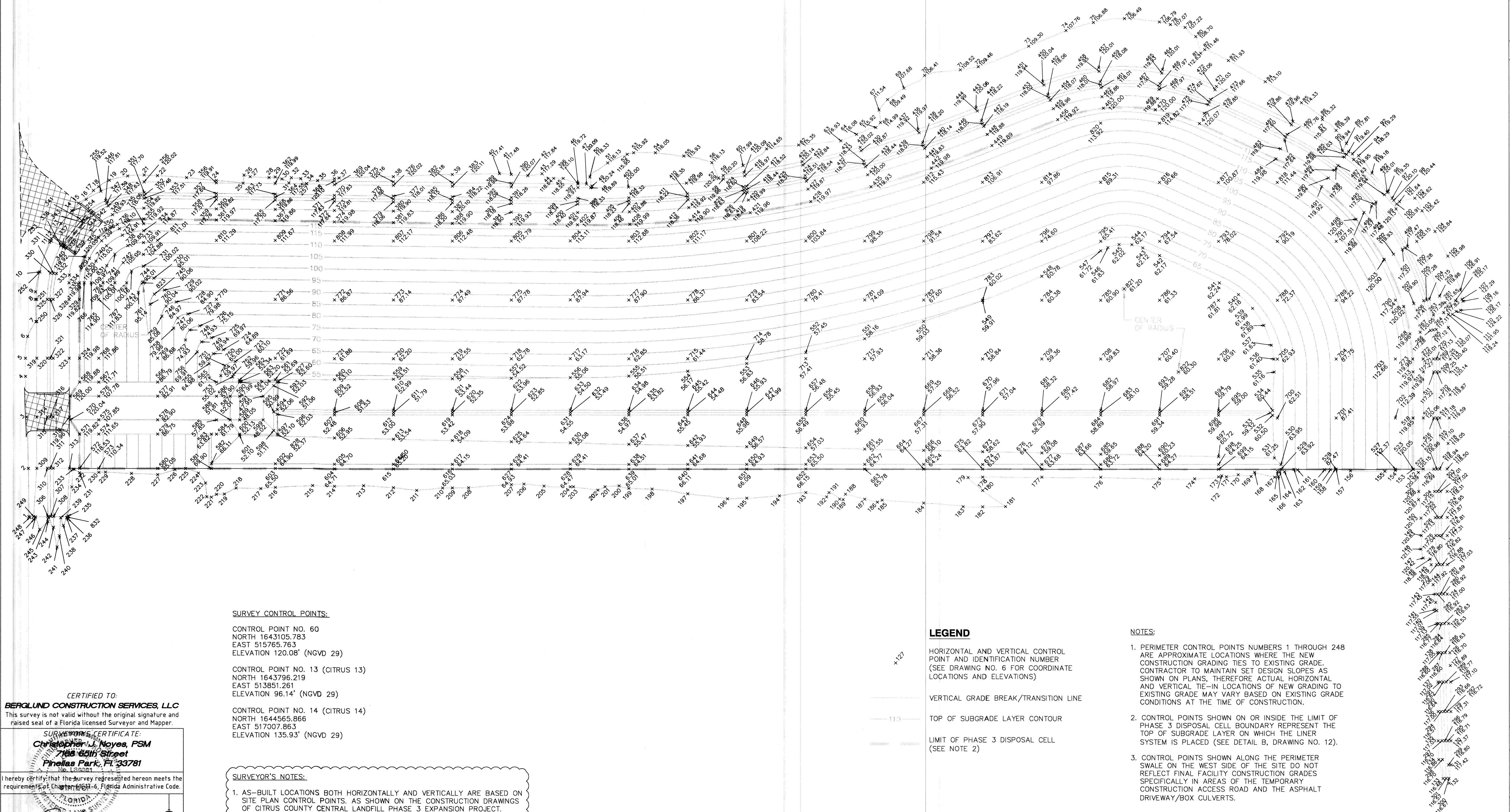
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ASB_074906GRADING

DATE: APRIL 2010

SCALE:
AS SHOWN

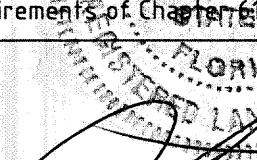
DRAWING NO.


4



SURVEYORS CERTIFICATE:
Christopher J. Noyes, PSM
7046 65th Street
Pinellas Park, FL 33781
 (727) 439-9999

I hereby certify that the Survey registered herein meets the requirements of Chapter 610-6, Florida Administrative Code.





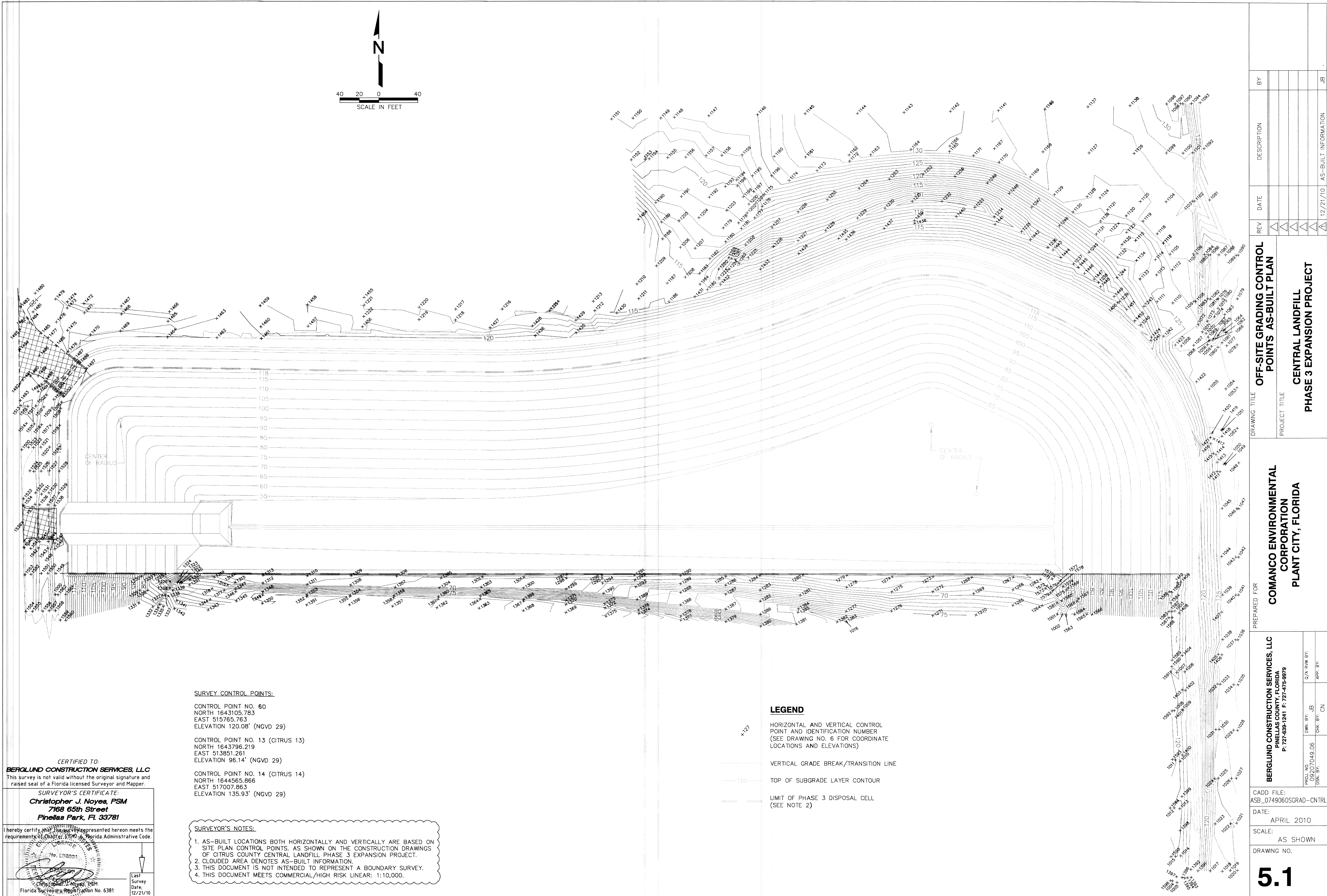
Christopher J. Noyes, PSM
 Florida Surveyors Registration No. 6381

Last Survey Date:	12/21/10
-------------------------	----------

1. AS-BUILT LOCATIONS BOTH HORIZONTALLY AND VERTICALLY ARE BASED ON SITE PLAN CONTROL POINTS. AS SHOWN ON THE CONSTRUCTION DRAWINGS OF CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT.
2. CLOUDED AREA DENOTES AS-BUILT INFORMATION.
3. THIS DOCUMENT IS NOT INTENDED TO REPRESENT A BOUNDARY SURVEY.
4. THIS DOCUMENT MEETS COMMERCIAL/HIGH RISK LINEAR: 1:10,000.

3. CONTROL POINTS SHOWN ALONG THE PERIMETER SWALE ON THE WEST SIDE OF THE SITE DO NOT REFLECT FINAL FACILITY CONSTRUCTION GRADES SPECIFICALLY IN AREAS OF THE TEMPORARY CONSTRUCTION ACCESS ROAD AND THE ASPHALT DRIVEWAY/BOX CULVERTS.

5



SURVEY CONTROL POINTS:

CONTROL POINT NO. 60
NORTH 1643105.783
EAST 515765.763
ELEVATION 120.08' (NGVD 29)

CONTROL POINT NO. 13 (CITRUS 13)
NORTH 1643796.219
EAST 513851.261
ELEVATION 96.14' (NGVD 29)

CONTROL POINT NO. 14 (CITRUS 14)
NORTH 1644565.866
EAST 517007.863
ELEVATION 135.93' (NGVD 29)

SURVEYOR'S NOTES:

1. AS-BUILT LOCATIONS BOTH HORIZONTALLY AND VERTICALLY ARE BASED ON SITE PLAN CONTROL POINTS, AS SHOWN ON THE CONSTRUCTION DRAWINGS OF CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT.
2. CLOUDED AREA DENOTES AS-BUILT INFORMATION.
3. THIS DOCUMENT IS NOT INTENDED TO REPRESENT A BOUNDARY SURVEY.
4. THIS DOCUMENT MEETS COMMERCIAL/HIGH RISK LINEAR: 1:10,000.

LEGEND

HORIZONTAL AND VERTICAL CONTROL POINT AND IDENTIFICATION NUMBER (SEE DRAWING NO. 6 FOR COORDINATE LOCATIONS AND ELEVATIONS)

VERTICAL GRADE BREAK/TRANSITION LINE

TOP OF SUBGRADE LAYER CONTOUR

LIMIT OF PHASE 3 DISPOSAL CELL (SEE NOTE 2)

DRAWING TITLE		PROJECT TITLE	
OFF-SITE GRADING CONTROL POINTS AS-BUILT PLAN		CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT	
REV	DATE	DESCRIPTION	BY
1			
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6			
7			
8			
9			
10			
11			
12	12/21/10	AS-BUILT INFORMATION	JB

PREPARED FOR		COMANCO ENVIRONMENTAL CORPORATION		PLANT CITY, FLORIDA	
BERGLUND CONSTRUCTION SERVICES, LLC		PINELLAS COUNTY, FLORIDA		P: 727-475-9979	
PROJ. NO.	100207049.06	DWN. BY	JB	C/A RW BY	
DSGN. BY		CHK. BY	CN	APP. BY	

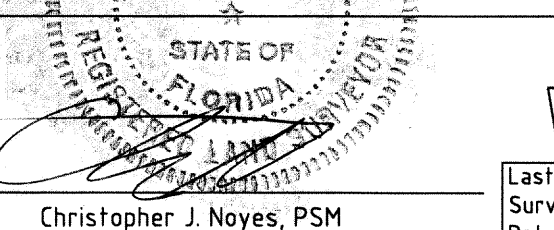
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DATE:		APRIL 2010	
SCALE:		AS SHOWN	
DRAWING NO.		5.1	

SITE AS-BUILT GRADING TABLE					SITE AS-BUILT GRADING TABLE					SITE AS-BUILT GRADING TABLE					SITE AS-BUILT GRADING TABLE					SITE AS-BUILT GRADING TABLE					SITE AS-BUILT GRADING TABLE					SITE AS-BUILT GRADING TABLE					SITE AS-BUILT GRADING TABLE				
POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)	POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)	POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)	POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)	POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)	POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)	POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)	POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)
1	1642715.33	515790.12	120.20		101	1642983.49	516953.50	122.00	121.64 (T)	201	1642741.67	516298.67	117.42		301	1642492.99	516992.74	116.64	116.57	401	1642947.10	516256.24	120.00	119.83	501	1642943.18	516955.97	117.35	117.37	601	1642784.62	516969.60	120.00	119.83	701	1642800.00	516900.00	120.00	119.83
2	1642756.67	515790.12	120.04		102	1642986.53	516966.55	122.04	125.62 (T)	202	1642738.76	516273.67	117.93		302	1642737.50	516988.25	116.97	117.02	402	1642963.70	516256.12	120.00	119.87	502	1642939.05	516948.44	120.00	119.93	602	1642760.62	516000.00	120.00	119.83	702	1642800.00	516950.00	120.00	119.83
3	1642800.00	515789.70	120.15		103	1642975.75	516972.66	122.72	125.42 (T)	203	1642741.45	516252.67	117.68		303	1642737.50	516985.75	116.97	117.01	403	1642965.86	516299.67	119.99	120.00	503	1642934.71	516940.54	120.00	120.00	603	1642762.62	516000.00	120.00	119.83	703	1642800.00	516950.00	120.00	119.83
4	1642843.63	515787.78	120.20		104	1642958.38	516983.65	122.86	125.84 (T)	204	1642741.45	516250.00	117.61		304	1642737.50	516983.24	116.97	117.15	404	1642986.87	516300.01	118.31	118.32	504	1642900.82	516978.88	117.27	117.15	604	1642756.62	516050.00	120.00	119.83	704	1642850.00	516900.00	120.00	119.83
5	1642850.00	515787.68	120.16		105	1642937.38	516994.58	122.06	125.98 (T)	205	1642742.14	516227.67	117.24		305	1642737.50	516969.79	116.97	117.15	405	1642984.37	516300.11	118.31	118.32	505	1642900.13	516978.88	117.27	117.15	605	1642760.62	516050.00	120.00	119.83	705	1642850.00	516900.00	120.00	119.83
6	1642864.83	515787.58	120.18		106	1642908.47	517005.18	122.14	126.91 (T)	206	1642743.94	516210.67	117.34		306	1642737.50	516969.79	116.97	117.15	406	1642984.37	516300.11	118.31	118.32	506	1642899.43	516978.88	117.27	117.15	606	1642782.87	516050.00	120.00	119.83	706	1642850.00	516900.00	120.00	119.83
7	1642881.15	515790.77	120.26		107	1642900.75	517006.47	122.89	127.29 (T)	207	1642743.94	516200.00	117.34		307	1642737.50	516969.79	116.97	117.15	407	1642984.37	516300.11	118.31	118.32	507	1642899.43	516978.88	117.27	117.15	607	1642782.87	516050.00	120.00	119.83	707	1642850.00	516900.00	120.00	119.83
8	1642898.05	515790.77	120.26		108	1642900.75	517006.47	122.89	127.29 (T)	208	1642743.94	516200.00	117.34		308	1642737.50	516969.79	116.97	117.15	408	1642984.37	516300.11	118.31	118.32	508	1642899.43	516978.88	117.27	117.15	608	1642782.87	516050.00	120.00	119.83	708	1642850.00	516900.00	120.00	119.83
9	1642906.39	515785.27	120.42		109	1642891.38	517005.29	122.96	126.17 (T)	209	1642740.56	516150.00	117.03		309	1642737.50	516969.79	116.97	117.15	409	1642984.37	516300.11	118.31	118.32	509	1642899.43	516978.88	117.27	117.15	609	1642782.87	516050.00	120.00	119.83	709	1642850.00	516900.00	120.00	119.83
10	1642923.30	515789.82	120.06		110	1642890.42	517001.52	122.96	126.17 (T)	210	1642740.56	516150.00	117.03		310	1642737.50	516969.79	116.97	117.15	410	1642984.37	516300.11	118.31	118.32	510	1642899.43	516978.88	117.27	117.15	610	1642782.87	516050.00	120.00	119.83	710	1642850.00	516900.00	120.00	119.83
11	1642948.39	515808.27	120.28		111	1642888.00	516996.51	122.00	121.95 (T)	211	1642738.37	516119.67	117.32		311	1642737.50	516969.79	116.97	117.15	411	1642984.37	516300.11	118.31	118.32	511	1642899.43	516978.88	117.27	117.15	611	1642782.87	516050.00	120.00	119.83	711	1642850.00	516900.00	120.00	119.83
12	1642951.42	515809.78	119.73		112	1642778.53	516994.82	119.43	119.05 (T)	212	1642740.73	516100.00	117.95		312	1642737.50	516969.79	116.97	117.15	412	1642984.37	516300.11	118.31	118.32	512	1642899.43	516978.88	117.27	117.15	612	1642782.87	516050.00	120.00	119.83	712	1642850.00	516900.00	120.00	119.83
13	1642964.14	515817.92	119.91		113	1642876.94	516994.97	119.79	120.07 (T)	213	1642742.37	516074.67	117.12		313	1642737.50	516969.79	116.97	117.15	413	1642984.37	516300.11	118.31	118.32	513	1642899.43	516978.88	117.27	117.15	613	1642782.87	516050.00	120.00	119.83	713	1642850.00	516900.00	120.00	119.83
14	1642975.31	515827.13	119.82		114	1642850.00	516996.62	119.98	120.40 (T)	214	1642741.67	516050.00	117.37		314	1642737.50	516969.79	116.97	117.15	414	1642984.37	516300.11	118.31	118.32	514	1642899.43	516978.88	117.27	117.15	614	1642782.87	516050.00	120.00	119.83	714	1642850.00	516900.00	120.00	119.83
15	1642981.64	515833.07	119.57		115	1642838.95	516996.68	119.91	120.14 (T)	215	1642742.05	516031.67	117.28		315	1642737.50	516969.79	116.97	117.15	415	1642984.37	516300.11	118.31	118.32	515	1642899.43	516978.88	117.27	117.15	615	1642782.87	516050.00	120.00	119.83	715	1642850.00	516900.00	120.00	119.83
16	1642984.83	515833.48	120.01		116	1642819.59	516996.47	119.95	119.87 (T)	216	1642740.48	516000.00	117.07		316	1642737.50	516969.79	116.97	117.15	416	1642984.37	516300.11	118.31	118.32	516	1642899.43	516978.88	117.27	117.15	616	1642782.87	516050.00	120.00	119.83	716	1642850.00	516900.00	120.00	119.83
17	1642992.47	515845.58	121.12		117	1642800.00	516995.81	119.95	119.59 (T)	217	1642738.47	515998.67	117.37		317	1642737.50	516969.79	116.97	117.15	417	1642984.37	516300.11	118.31	118.32	517	1642899.43	516978.88	117.27	117.15	617	1642782.87	516050.00	120.00	119.83	717	1642850.00	516900.00	120.00	119.83
18	1642998.65	515845.00	121.41		118	1642778.53	516994.82	119.43	119.05 (T)	218	1642738.47	515998.67	117.37		318	1642737.50	516969.79	116.97	117.15	418	1642984.37	516300.11	118.31	118.32	518	1642899.43	516978.88	117.27	117.15	618	1642782.87	516050.00	120.00	119.83	718	1642850.00	516900.00	120.00	119.83
19	1643001.83	515859.10	121.98		119	1642756.64	516994.03	119.98	119.50 (T)	219	1642734.79	515950.67	117.91		319	1642737.50	516969.79	116.97	117.15	419	1642984.37	516300.11	118.31	118.32	519	1642899.43	516978.88	117.27	117.15	619	1642782.87	516050.00	120.00	119.83	719	1642850.00	516900.00	120.00	119.83
20	1643004.72	515871.69	122.00		120	1642737.50	516994.03	119.98	119.50 (T)	220	1642734.79	515950.67	117.91		320	1642737.50	516969.79	116.97	117.15	420	1642984.37	516300.11	118.31	118.32	520	1642899.43	516978.88	117.27	117.15	620	1642782.87	516050.00	120.00	119.83	720	1642850.00	516900.00	120.00	119.83
21	1643008.47	515886.63	121.94		121	1642715.53	516994.03	119.98	117.87 (T)	221	1642734.79	515950.67	117.91		321	1642737.50	516969.79	116.97	117.15	421	1642984.37	516300.11	118.31	118.32	521	1642899.43	516978.88	117.27	117.15	621	1642782.87	516050.00	120.00	119.83	721	1642850.00	516900.00	120.00	119.83
22	1643008.03	515900.00	121.84		122	1642700.00	516994.03	119.98	117.31 (T)	222	1642734.79	515950.67	117.91		322	1642737.50	516969.79	116.97	117.15	422	1642984.37	516300.11	118.31	118.32	522	1642899.43	516978.88	117.27	117.15	622	1642782.87	516050.00	120.00	119.83	722	1642850.00	516900.00	120.00	119.83
23	1643003.35	515924.73	121.38		123	1642675.00	516993.92	117.59	117.03 (T)	223	1642734.79	515950.67	117.91		323	1642737.50	516969.79	116.97	117.15	423	1642984.37	516300.11	118.31	118.32	523	1642899.43	516978.88	117.27	117.15	623	1642782.87	516050.00	120.00	119.83	723	1642850.00	516900.00	120.00	119.83
24	1643000.93	515950.00	120.87		124	1642650.00	516993.91	117.40	117.00 (T)	224	1642734.79	515950.67	117.91		324	1642737.50	516969.79	116.97	117.15	424	1642984.37	516300.11	118.31	118.32	524	1642899.43	516978.88	117.27	117.15	624	1642782.87	516050.00	120.00	119.83	724	1642850.00	516900.00	120.00	119.83
25	1642998.65	515927.75	120.00		125	1642625.00	516995.10	117.16	116.53 (T)	225	1642734.79	515950.67	117.91		325	1642737.50	516969.79	116.97	117.15	425	1642984.37	516300.11	118.31	118.32	525	1642899.43	516978.88	117.27	117.15	625	1642782.87	516050.00	120.00	119.83	725	1642850.00	516900.00	120.00	119.83

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, FSM
7108 65th Street
Pinellas Park, FL 33781

I hereby certify that the survey represented hereon meets the
requirements of Chapter 61C-01, Florida Administrative Code.



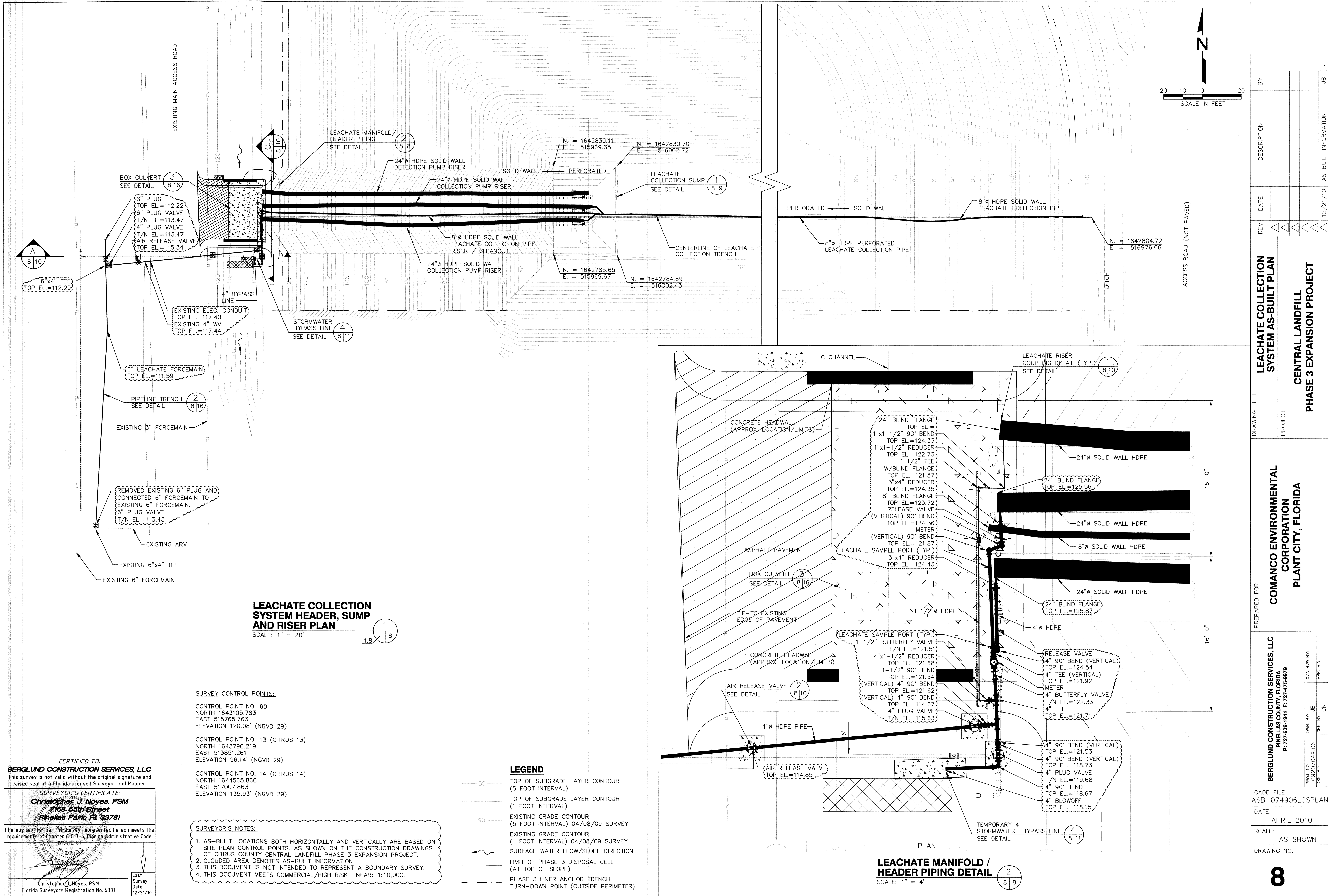
Christopher J. Noyes, FSM
Florida Surveyors Registration No. 6381

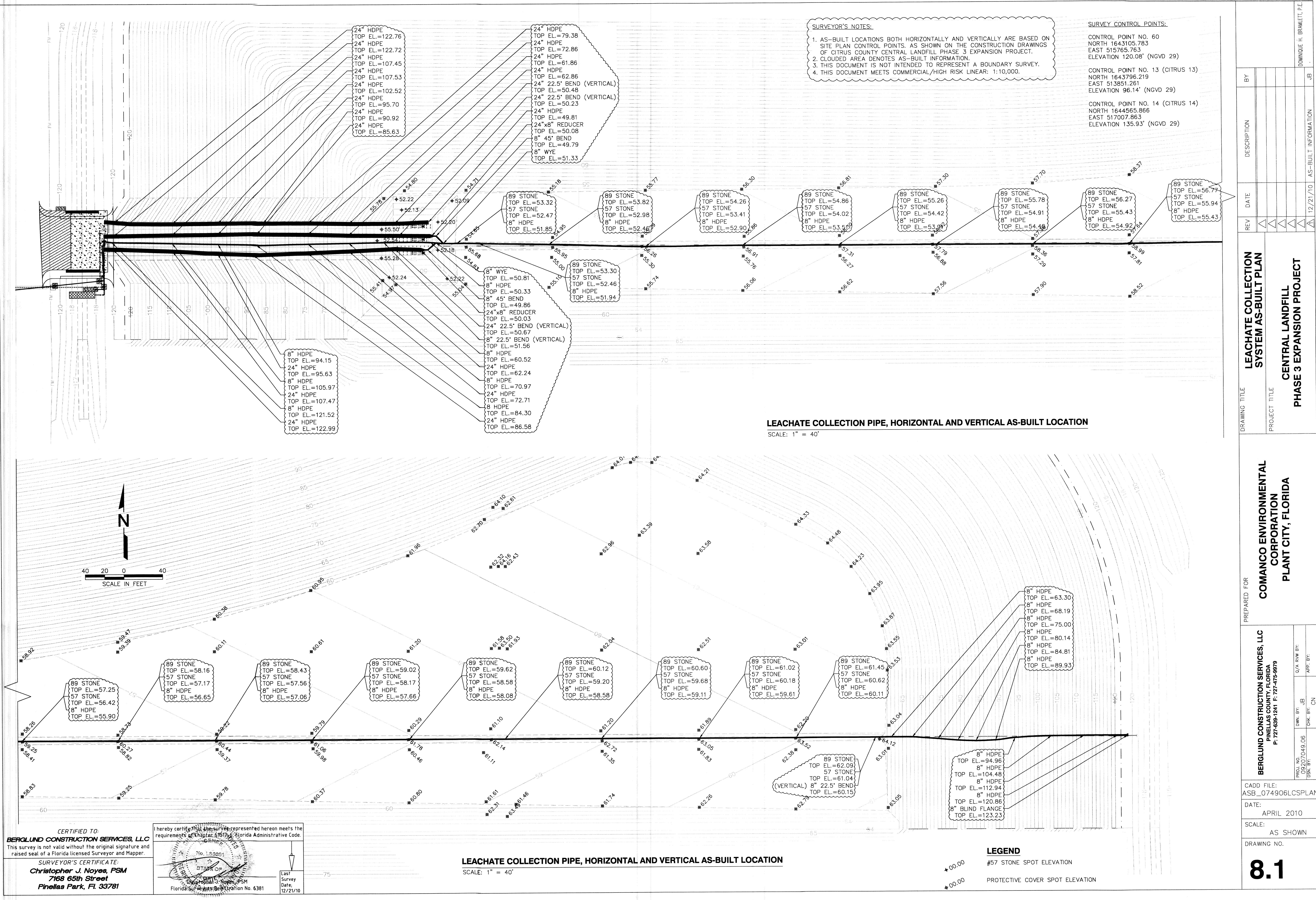
Last
Survey
Date:
12/21/10

OFF-SITE GRADING TABLE			
POINT NO.	NORTHING	EASTING	ELEV. (FT.)
1001	1642715.18	516849.42	72.15
1002	1642714.95	516854.52	73.62
1003	1642718.43	516893.91	70.35
1004	1642440.42	516967.18	71.72
1005	1642438.82	516971.83	72.42
1006	1642655.66	516980.07	71.04
1007	1642654.81	516971.74	72.04
1008	1642615.89	516963.31	72.55
1009	1642616.75	516977.21	71.04
1010	1642563.67	516975.36	71.81
1011	1642564.93	516970.26	72.13
1012	1642515.60	516969.05	73.62
1013	1642414.82	516974.72	72.85
1014	1642466.19	516975.70	71.90
1015	1642465.48	516970.37	72.15
1016	1642707.81	516632.28	83.31
1017	1642450.83	517006.04	72.14
1018	1642504.42	517018.38	72.69
1019	1642451.11	517026.50	72.87
1020	1642451.30	517033.81	72.51
1021	1642499.76	517033.19	72.54
1022	1642498.99	517026.96	72.87
1023	1642498.97	517011.20	72.48
1024	1642545.97	517010.59	72.58
1025	1642548.29	517014.44	72.55
1026	1642548.12	517027.89	72.00
1027	1642546.12	517032.83	72.24
1028	1642595.46	517034.20	72.76
1029	1642595.68	517030.08	72.64
1030	1642596.44	517015.53	72.81
1031	1642596.36	517011.91	72.60
1032	1642642.95	517033.79	72.54
1033	1642642.92	517036.58	72.61
1034	1642642.33	517032.24	72.85
1035	1642642.26	517034.89	72.73
1036	1642688.78	517034.70	72.74
1037	1642688.90	517032.10	72.80
1038	1642680.19	517019.16	72.63
1039	1642734.02	517019.06	72.62
1040	1642734.73	517032.53	72.70
1041	1642734.85	517035.37	72.73
1042	1642733.81	517035.44	72.64
1043	1642733.94	517032.25	72.85
1044	1642734.64	517018.06	72.65
1045	1642893.68	517018.54	72.82
1046	1642823.57	517033.56	72.62
1047	1642823.47	517035.68	72.69
1048	1642870.47	517035.85	72.78
1049	1642869.16	517021.96	72.93
1050	1642869.08	517020.33	72.58
1051	1642904.61	517019.19	72.60
1052	1642906.04	517034.12	72.62
1053	1642907.22	517033.80	72.75
1054	1642946.48	517020.28	72.64
1055	1642946.40	517009.31	72.53
1056	1642931.81	517003.26	72.52
1057	1642991.33	516989.47	72.22
1058	1642990.69	516976.73	72.36
1059	1642990.03	517007.59	72.48
1060	1642989.27	517014.18	72.25
1061	1642993.88	517018.62	72.80
1062	1643034.48	517022.15	72.49
1063	1643033.07	517021.28	72.42
1064	1643026.55	517019.66	72.15
1065	1643030.90	517013.66	72.87
1066	1642998.23	517011.81	72.81
1067	1642996.98	517008.03	72.92
1068	1642996.50	517005.81	72.94
1069	1642999.00	517004.33	72.85
1070	1643003.47	517002.10	72.63
1071	1643005.21	516998.14	72.61
1072	1643013.06	516994.00	72.94
1073	1643016.35	517003.48	72.27
1074	1643020.78	517010.62	72.89
1075	1643029.43	517014.35	72.63
1076	1643033.19	517014.35	72.89
1077	1642990.96	517023.35	72.51
1078	1642991.68	517033.97	72.51
1079	1643039.01	517034.35	72.42
1080	1643038.91	517019.51	72.46
1081	1643038.27	517013.16	72.42
1082	1643038.69	517006.43	72.85
1083	1643039.24	517003.88	72.47
1084	1643084.52	517000.62	72.67
1085	1643084.07	517004.43	72.36
1086	1643084.17	517006.47	72.12
1087	1643084.19	517015.39	72.52
1088	1643084.18	517022.26	72.51
1089	1643083.67	517033.12	72.84
1090	1643083.84	517035.37	72.56
1091	1643140.11	517005.86	72.23
1092	1643139.01	517000.35	72.49
1093	1643140.50	516998.39	72.43
1094	1643239.62	516987.32	72.70
1095	1643239.42	516978.57	73.19
1096	1643239.47	516976.02	73.01
1097	1643239.34	516970.68	72.11
1098	1643239.17	516961.90	73.03
1099	1643188.61	516961.65	72.87
1100	1643188.45	516978.77	72.91

OFF-SITE GRADING TABLE			
POINT NO.	NORTHING	EASTING	ELEV. (FT.)
1101	1643188.74	516988.80	72.97
1102	1643188.35	516990.51	72.97
1103	1643188.77	516988.18	72.19
1104	1643188.20	516981.75	72.11
1105	1643084.90	516965.34	72.75
1106	1643085.05	516989.15	72.51
1107	1643085.27	516992.95	72.84
1108	1643036.42	516991.35	72.71
1109	1643036.36	516989.59	72.63
1110	1643034.81	516988.10	72.52
1111	1643036.16	516991.06	72.52
1112	1643068.80	516967.71	72.67
1113	1643063.66	516991.56	72.53
1114	1643078.25	516990.17	72.47
1115	1643098.94	516950.14	72.70
1116	1643096.03	516958.80	72.92
1117	1643098.07	516968.30	72.90
1118	1643105.47	516952.18	72.78
1119	1643108.03	516957.80	72.71
1120	1643124.18	516920.58	72.50
1121	1643130.24	516901.64	72.53
1122	1643116.35	516912.67	72.53
1123	1643098.42	516934.58	72.49
1124	1643142.40	516953.88	72.73
1125	1643180.98	516934.88	72.64
1126	1643188.40	516928.79	72.68
1127	1643188.77	516882.43	72.70
1128	1643143.68	516880.33	72.75
1129	1643145.84	516846.75	72.70
1130	1643127.88	516865.84	72.67
1131	1643105.28	516889.77	72.48
1132	1643081.83	516911.86	72.53
1133	1643098.24	516934.61	72.40
1134	1643078.45	516911.01	72.71
1135	1643094.80	516916.44	72.74
1136	1643108.04	516894.13	72.50
1137	1643237.65	516881.30	72.72
1138	1643237.65	516924.67	72.50
1139	1643233.86	516837.21	72.99
1140	1643233.86	516837.21	72.99
1141	1643232.34	516789.23	72.82
1142	1643231.53	516739.97	72.84
1143	1643230.31	516692.28	73.04
1144	1643228.25	516664.40	72.88
1145	1643228.91	516693.97	72.86
1146	1643227.80	516642.00	72.97
1147	1643228.65	516492.11	72.70
1148	1643225.09	516456.72	72.93
1149	1643224.27	516442.80	72.62
1150	1643242.22	516414.35	72.84
1151	1643223.38	516392.36	72.83
1152	1643181.36	516412.53	72.69
1153	1643182.02	516426.86	72.10
1154	1643182.77	516439.29	72.64
1155	1643183.58	516449.04	72.82
1156	1643184.09	516468.48	72.40
1157	1643185.67	516489.30	72.71
1158	1643185.98	516505.50	72.81
1159	1643186.33	516526.28	72.32
1160	1643184.08	516559.57	72.24
1161	1643184.33	516591.29	72.91
1162	1643186.47	516635.82	72.85
1163	1643186.76	516658.01	72.97
1164	1643192.44	516692.97	72.84
1165	1643224.48	516739.02	72.76
1166	1643195.77	516739.33	72.85
1167	1643231.13	516785.13	72.94
1168	1643189.90	516835.02	72.83
1169	1643164.05	516822.03	72.90
1170	1643179.29	516789.96	72.36
1171	1643186.03	516763.68	72.90
1172	1643180.22	516636.31	72.84
1173	1643170.29	516602.86	72.65
1174	1643169.23	516574.56	72.99
1175	1643145.94	516548.90	72.57
1176	1643178.67	516678.96	72.49
1177	1643121.73	516559.20	72.53
1178	1643116.47	516522.60	72.87
1179	1643111.36	516506.81	72.82
1180	1643097.37	516509.34	72.54
1181	1643110.89	516525.49	72.89
1182	1643079.91	516433.11	72.94
1183	1643065.07	516482.56	72.64
1184	1643063.93	516492.97	72.48
1185	1643048.34	516490.47	72.45
1186	1643035.93	516451.04	72.62
1187	1643054.96	516440.31	72.46
1188	1643100.14	516444.52	72.46
1189	1643126.67	516443.47	72.97
1190	1643137.14	516437.56	72.80
1191	1643143.48	516443.87	72.81
1192	1643142.80	516439.52	72.35
1193	1643133.77	516499.99	72.68
1194	1643160.57	516529.62	72.97
1195	1643164.98	516537.01	72.70
1196	1643164.98	516556.42	72.97
1197	1643148.61	516538.07	72.90
1198	1643154.50	516521.22	72.92
1199	1643143.14	516527.36	72.78
1200	1643139.73	516533.23	72.44

OFF-SITE GRADING TABLE			
POINT NO.	NORTHING	EASTING	ELEV. (FT.)
1201	1643136.63	516540.21	72.53
1202	1643126.52	516531.37	72.40
1203	1643129.30	516510.40	72.86
1204	1643121.83	516481.30	72.88
1205	1643118.61	516461.41	72.72
1206	1643091.50	516462.88	72.61
1207	1643090.65	516477.94	72.67
1208	1643061.14	516467.89	72.76
1209	1643072.61	516438.32	72.48
1210	1643064.07	516418.23	72.49
1211	1643039.14	516420.07	72.44
1212	1643026.87	516375.01	72.51
1213	1643036.52	516333.48	72.66
1214	1643028.98	516339.38	72.27
1215	1643026.67	516328.40	72.89
1216	1643028.66	516280.04	72.61
1217	1643028.48	516231.88	72.65
1218	1643037.04	516231.57	72.61
1219	1643017.77	516194.41	72.03
1220	1643030.45	516194.45	72.94
1221	1643032.67	516138.04	72.93
1222	1643021.02	516137.64	72.73
1223	1643060.35	516092.37	72.49
1224	1643069.30	516512.61	72.84
1225	1643080.98	516532.57	72.42
1226	1643092.43	516508.29	72.67
1227	1643098.51	516583.68	72.81
1228	1643108.65	516611.66	72.82
1229	1643121.56	516644.40	72.26
1230	1643131.64	516622.68	72.40
1231	1643141.85	516600.95	72.45
1232	1643138.73	516731.25	72.73
1233	1643132.54	516764.84	72.07
1234	1643122.95	516784.76	72.04
1235	1643107.88	516812.81	72.74
1236	1643091.92	516839.89	72.77
1237	1643074.87	516866.33	72.76
1238	1643055.82	516892.07	72.43
1239	1643036.51	516931.59	71.94
1240	1643017.36	516958.36	71.93
1241	1642996.45	516945.41	71.80
1242	1643000.73	516973.83	72.34
1243	1643031.48	516938.35	72.50
1244	1643061.03	516911.10	72.05
1245	1643086.92	516882.13	71.66
1246	1643113.79	516851.77	71.53
1247	1643133.02	516822.39	71.99
1248	1643147.16	516800.39	71.91
1249	1643157.86	516782.88	72.04
1250	1643167.52	516744.28	72.14
1251	1643164.57	516706.58	72.24
1252	1643166.69	516711.93	72.03
1253	1643161.84	516677.00	72.37
1254	1643152.13	516646.09	71.86
1255	1643140.33	516613.30	71.44
1256	1643127.93	516596.84	71.37
1257	1643121.13	516556.94	71.44
1258	1643094.16	516529.81	71.52
1259	1643074.43	516502.98	71.98
1260	1643069.34	516477.58	71.88
1261	1643079.40	516518.74	71.81
1262	1643076.25	516523.16	72.07
1263	1642750.97	516832.06	65.35
1264	1642744.18	516833.67	69.35
1265	1642724.48	516803.71	71.56
1266	1642740.40	516803.86	68.28
1267	1642733.13	516803.98	66.31
1268	1642724.48	516803.86	68.28
1269	1642736.52	516763.38	69.81
1270	1642714.56	516765.77	74.92
1271	1642713.81	516721.43	75.28
1272	1642738.53	516721.56	68.85
1273	1642753.67	516721.64	66.17
1274	1642753.74	516679.81	67.98
1275	1642738.37	516679.44	65.46
1276	1642718.67	516678.96	74.69
1277	1642718.67	516678.96	74.69
1278	1642742.85	516682.92	65.11
1279	1642754.90	516683.50	65.11
1280	1642755.47	516688.28	65.13
1281	1642734.82	516855.58	72.99
1282	1642728.58	516844.54	72.82
1283	1642739.93	518544.39	72.45
1284	1642754.62	518544.20	66.92
1285	1642754.02	518509.00	63.86
1286	1642754.02	518509.00	63.86
1287	1642753.71	518503.77	72.81
1288	1642737.35	516462.78	72.69
1289	1642746.36	516462.72	71.41
1290	1642754.62	516462.68	69.15
1291	1642755.18	516455.31	68.55
1292	1642750.38	516415.89	70.31
1293	1642743.25	516416.76	74.16
1294	1642744.10	516382.79	71.61
1295	1642755.22	516381.98	68.29
1296	1642755.93	516345.80	67.25
1297	1642755.09	516345.56	69.42
1298	1642741.03	516345.43	69.94
1299	1642742.14	516301.77	69.98





SURVEYOR'S NOTES:

1. AS-BUILT LOCATIONS BOTH HORIZONTALLY AND VERTICALLY ARE BASED ON SITE PLAN CONTROL POINTS. AS SHOWN ON THE CONSTRUCTION DRAWINGS OF CITRUS COUNTY CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT.
2. CLOUDED AREA DENOTES AS-BUILT INFORMATION.
3. THIS DOCUMENT IS NOT INTENDED TO REPRESENT A BOUNDARY SURVEY.
4. THIS DOCUMENT MEETS COMMERCIAL/HIGH RISK LINEAR: 1:10,000.

SURVEY CONTROL POINTS:

CONTROL POINT NO. 60
NORTH 1643105.783
EAST 515765.763
ELEVATION 120.08' (NGVD 29)

CONTROL POINT NO. 13 (CITRUS 13)
NORTH 1643796.219
EAST 513851.261
ELEVATION 96.14' (NGVD 29)

CONTROL POINT NO. 14 (CITRUS 14)
NORTH 1644565.866
EAST 517007.863
ELEVATION 135.93' (NGVD 29)

<div>COMANCO ENVIRONMENTAL CORPORATION PLANT CITY, FLORIDA</div> <div>BERGLUND CONSTRUCTION SERVICES, LLC PINELLAS COUNTY, FLORIDA P: 727-639-1241 F: 727-475-9879</div> <div>CADD FILE: ASB_074906LCSPLAN</div> <div>DATE: APRIL 2010</div> <div>SCALE: AS SHOWN</div> <div>DRAWING NO.</div> <div>8.1</div>	PREPARED FOR	DRAWING TITLE	V			
	<div>LEACHATE COLLECTION SYSTEM AS-BUILT PLAN</div> <div>PROJECT TITLE</div> <div>CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT</div>	REV	DATE	DESCRIPTION	BY	
		△				
		△				
		△				
		△				
		△				
		△				
		△				
		△	12/21/10	AS-BUILT INFORMATION	JB	
		DOMINIQUE H. BRAMLETT, P.E.				

Attachment 2-2

Gas Probe GP-19 Installation Log

Site Name: CITRUS Co Landfill Well Number: G-P-19
Project #: 09207049.06 Coordinates:
Start Date: 11-15-10 Surface Elevation:
Completed: 11-15-10 Top of Casing Elevation:
Contractor: Huss Drilling Boring Diameter: 4"
Rig: Pipe Material Diameter 1"
Inspector: Richard Neptune Total Depth Drilled: 115
Driller: Kevin Completion:

Reddish Sand/CLAY mix 5
Reddish Sand/clay 10
Reddish Sand/clay 15
Reddish Sand/clay 20
Light Tan Sand 25
Light Tan Sand 30
Light Tan Sand 35
Lighter Tan/yellow Sand 40
Yellow/white Sand 45
Yellow/white Sand 50

COMPLETION LOG

RISER STICK UP

RISER BELOW

PERF. PIPE

BACKFILL

BENTONITE #1

BACKFILL

DONUT

GRAVEL PACK

BACKFILL LOG

Stone

Structural fill

Bentonite fill

MATERIALS LIST

TOP CAP

SOLID PIPE

PERF PIPE

BOTTOM CAP

BENTONITE

BACKFILL

STONE

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 Backfill
around 1" Preforated Pipe
with 4' Riser. Photos were
Taken

white / yellow sand mix

55

white / yellow sand mix

60

white / yellow sand mix

65

white / yellow sand mix

70

white / yellow sand mix

75

white sand

80

white sand

85

white sand

90

white sand

95

white sand

100

white / yellow sand

105

white / yellow sand

110

white sand

115

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											
1			-33	-3		59	89	120	150		212
2			-32	-2	29	60		121	151		213
3		-62	-31		30	61		122	152	183	214
4		-61	-30		31		92	123		184	215
5		-60			32		93	124		185	
6		-59		2	33		94		155	186	
7		-58	-27	3		65	95		156	187	218
8			-26	4		66	96	127	157		219
9			-25	5	36	67		128	158		220
10		-55	-24		37	68		129	159	190	221
11		-54	-23		38		99			191	222
12	-83	-53		8	39		100	131		192	
13	-82	-52		9	40	71	101		162	193	
14	-81	-51	-20	10		72	102		163	194	225
15	-80		-19	11		73	103	134	164		226
16	-79		-18	12	43	74		135	165		227
17		-48	-17		44	75		136	166		228
18		-47	-16		45		106	137		198	229
19	-76	-46		15	46		107	138		199	
20	-75	-45		16	47	78	108		169	200	
21	-74	-44	-13	17		79	109		170	201	232
22	-73		-12	18		80	110	141	171		233
23	-72		-11	19	50	81		142			234
24		-41	-10		51	82		143		204	235
25		-40	-9		52		113			205	
26	-69	-39		22	53		114			206	
27	-68	-38		23	54	85	115		176	207	238
28	-67	-37	-6	24		86	116		177	208	239
29	-66		-5	25		87	117	148	178		
30	-65		-4	26	57	88		149	179		
31					58					211	
LEGEND:			CITRUS COUNTY WEEKENDS AND HOLIDAYS								
			UNPLANNED RAIN DELAY								
MILESTONES											
ADVERTISED IN CITRUS COUNTY CHRONICLE									4/11/2010		
MANDATORY PRE-BID CONFERENCE:									4/22/2010		
BID AWARD DATE:									5/12/2010		
TENATIVE BOCC APPROVAL DATE:									6/8/2010		
TENATIVE NOTICE TO PROCEED DATE:									7/5/2010		
SUBSTANTIAL COMPLETION DATE:									12/31/2010		
FINAL COMPLETION DATE:									1/30/2011		



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)							
A		A		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 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 NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG 4 MPH EAST
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS 0.09 INCHES
1ST RAINFALL: START: _____ END: _____
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/05/10	FROM 7:00 TO 7:00	0



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

EQUIPMENT (ACTIVE/IDLE)				
A	A	A	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 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 NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: _____ HIGH _____ LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: _____

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 7 MPH WIND DIRECTION: EAST

RAIN: ☐ NONE ☐ LIGHT ☒ HEAVY ☐ SHOWERS 0.94
1ST RAINFALL: START: 3:30 END: 4:15
2ND RAINFALL: START: _____ END: _____

RAINFALL AS DETERMINED BY THE RAIN GAGE IN LEACHATE LAB.

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 4

PHOTO ID NUMBERS

POST LAYDOWN			
PRE HEADWALL			
PRE LAYDOWN			
RILLS			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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

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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/06/10	FROM 8:00 AM TO 3:30	7:00



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

TIME			
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 discussion 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 Wednesday, 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: BERGLUND CONSTRUCTION SERVICES

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
PROJECT SURVEY PRE-CONDITIONS	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			

EQUIPMENT (ACTIVE/IDLE)				
A	A	A	A	A
AIR COMPRESSOR		CRANE, TRUCK		MULCHER
AIR HAMMER		CULTIPACTOR		PILE DRIVER & HAMMER
ASPHALT PAVER		DRAG LINE		POWER BROOM
ASPHALT DISTRIBUTOR		EARTH MOVER		PUMP
BACKHOE		FRONT END LOADER		ROLLER, STEEL WHEEL
BULLDOZER		HAND LINER		ROLLER, TRAFFIC
CONCRETE BUCKET		HARROW		ROLLER VIBRATORY
CONCRETE SAW		GENERATOR		ROTARY TILLER/MIXER
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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION: ☐ SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: 0 MPH WIND DIRECTION:

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 3

PHOTO ID NUMBERS

SUMP PIT			
HAUL ROAD			
CITRUS 13			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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

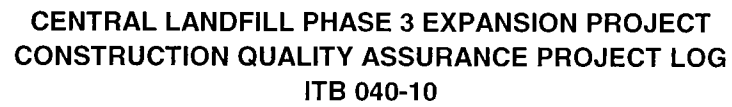
GENERAL COMMENTS: See the CQA Daily Log Sheet for today's activities.

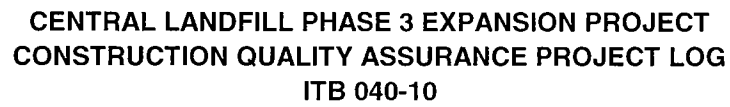
PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/07/10	FROM 7:00 TO 5:45	10.25



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

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 Horizontal 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

[illegible]

[illegible]



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

TIME			
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR:	COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:	Berglund Construction Services, LLC

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Pre-Construction Survey	8:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	9	
FOREMAN			
SKILLED	3	9	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)				
A	A	A	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 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	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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 94 HIGH 70 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 3 MPH WIND DIRECTION: NORTH-NORTHEAST

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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 activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/08/10	FROM 7:00 TO 5:00	10



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

TIME			
IN	OUT	DESCRIPTION OF EVENT	ACTION TAKEN
7:00 AM		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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: GAUDETTE ELECTRIC INC. ACTION MOBILE

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
SET UP OF THE CONSTRUCTION TRAILER	9:00 AM	12:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	4	
FOREMAN			
SKILLED	3	3	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)					
A	A	A	A	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 STRIPING		
BACKHOE	FRONT END LOADER	ROLLER, STEEL WHEEL	TRUCK, PICKUP	A	
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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 94 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 7 MPH WIND DIRECTION: WEST

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
SET UP OF THE CONSTRUCTION TRAILER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 2

PHOTO ID NUMBERS

CONSTRUCTION			
ELECTRICIAN			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: See the CQA Daily Log Sheet for todays activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/09/10	FROM 7:00 TO 3:15	7.75



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

TIME			
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 Constuction 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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)							
A		A		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 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 NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 93 HIGH 77 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____
2ND RAINFALL: _____ START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: NONE

PHOTO ID NUMBERS

VISITORS: NONE

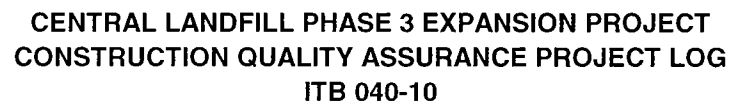


DAILY REPORT OF CONSTRUCTION

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 worked was planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/10/10	FROM 7:00 TO 7:00	0

[illegible]



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)					
A	A	A	A	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 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 NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 76 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS 0.12"
1ST RAINFALL: _____ START: _____ END: _____
2ND RAINFALL: _____ START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: NONE

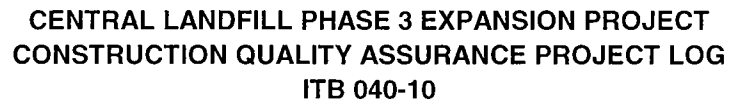


DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/11/10	FROM 7:00 TO 7:00	0

PAGE 1 OF 1



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: GAUDETTE ELECTRICAL INC.	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
ELECTRICAL TRENCH FOR THE CONSTRUCTION TRAILER	8:45 AM	11:15 AM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
SKILLED	2	2.5 HRS	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)					
A	A	A	A	A	A
AIR COMPRESSOR		CRANE, TRUCK		MULCHER	
AIR HAMMER		CULTIPACTOR		PILE DRIVER & HAMMER	
ASPHALT PAVER		DRAG LINE		POWER BROOM	
ASPHALT DISTRIBUTOR		EARTH MOVER		PUMP	
BACKHOE		FRONT END LOADER		ROLLER, STEEL WHEEL	
BULLDOZER		HAND LINER		ROLLER, TRAFFIC	
CONCRETE BUCKET		HARROW		ROLLER VIBRATORY	
CONCRETE SAW		GENERATOR		ROTARY TILLER/MIXER	
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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 90 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 7 MPH WIND DIRECTION: WEST

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
TRENCHING THE ELECTRICAL CONDUIT FOR TRAILER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 31

PHOTO ID NUMBERS

PHOTO # 1	PHOTO # 4B	PHOTO # 8B	PHOTO # 13
PHOTO # 2A	PHOTO # 4C	PHOTO # 9A	
PHOTO # 2B	PHOTO # 5A	PHOTO # 9B	
PHOTO # 2C	PHOTO # 5B	PHOTO # 9C	
PHOTO # 3A	PHOTO # 5C	PHOTO # 10A	
PHOTO # 3B	PHOTO # 6A	PHOTO # 10B	
PHOTO # 3C	PHOTO # 7A	PHOTO # 11A	
PHOTO # 3D	PHOTO # 7B	PHOTO # 11B	
PHOTO # 3E	PHOTO # 7C	PHOTO # 12A	
PHOTO # 4A	PHOTO # 8A	PHOTO # 12B	

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: See CQA Daily Log Sheet for today's activities. It should also be noted that Comanco had no worked plan or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/12/10	FROM 7:00 TO 3:30	8



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

TIME			
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 Minutes 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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)				
A	A	A	A	A
AIR COMPRESSOR		CRANE, TRUCK		MULCHER
AIR HAMMER		CULTIPACTOR		PILE DRIVER & HAMMER
ASPHALT PAVER		DRAG LINE		POWER BROOM
ASPHALT DISTRIBUTOR		EARTH MOVER		PUMP
BACKHOE		FRONT END LOADER		ROLLER, STEEL WHEEL
BULLDOZER		HAND LINER		ROLLER, TRAFFIC
CONCRETE BUCKET		HARROW		ROLLER VIBRATORY
CONCRETE SAW		GENERATOR		ROTARY TILLER/MIXER
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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 94 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: 0 MPH WIND DIRECTION: _____

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: None



DAILY REPORT OF CONSTRUCTION

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

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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/13/10	FROM 6:45 TO 3:15	8



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

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, Ccasey Stephens, and Dominique Bramlett, SUBJECT: SWM Daily Construction Report for 7/12/2010.	Noted
7:00 AM	7:00 AM	It should be noted that the General Contractor, Comanco, had no work planned or performed.	Noted
9:45 AM	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
11:15 AM	2:30 PM	Departed the site to attend the Citrus County BOCC meeting to received 10 year award.	Noted
2:40 PM	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
3:00 PM	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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: BERGLUND CONSTRUCTION SERVICES

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
TOPOGRAPHICAL SURVEY OF THE PHASE III CELL AND ACCESS ROAD	7:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN			
SKILLED	3	10	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)					
A	A	A	A	A	A
AIR COMPRESSOR		CRANE, TRUCK		MULCHER	
AIR HAMMER		CULTIPACTOR		PILE DRIVER & HAMMER	
ASPHALT PAVER		DRAG LINE		POWER BROOM	
ASPHALT DISTRIBUTOR		EARTH MOVER		PUMP	
BACKHOE		FRONT END LOADER		ROLLER, STEEL WHEEL	3
BULLDOZER		HAND LINER		ROLLER, TRAFFIC	
CONCRETE BUCKET		HARROW		ROLLER VIBRATORY	
CONCRETE SAW		GENERATOR		ROTARY TILLER/MIXER	
CONCRETE SCREED		MECHANICAL TAMP		SPREADER, FERTILIZER	2
CONCRETE VIBRATOR		MILLING MACHINE		TRACTOR, FARM	
CRANE, CRAWLER		MOTOR GRADER		TRANSPORT	

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 94 HIGH 74 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 3 MPH WIND DIRECTION: WEST

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
TOPOGRAPHICAL SURVEY OF THE MAIN CELL AND ACCESS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 2

PHOTO ID NUMBERS

TOPO			
POT HOLING			

VISITORS: None



DAILY REPORT OF CONSTRUCTION

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



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

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 access 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.	



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: BERGLUND CONSTRUCTION SERVICES	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
TOPOGRAPHICAL SURVEY OF THE MAIN CELL	7:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11	
FOREMAN			
SKILLED	2	11	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 94 HIGH 74 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: 1:30 END: 5:00 0.36 INCHES
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☐ 0-2 HRS ☒ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
TOPOGRAPHICAL SURVEY OF THE MAIN CELL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: DOMINIQUE BRAMLETT, MARK TOPP



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: See CQA Worksheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/15/10	FROM 6:30 TO 5:00	10.5



**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	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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: BERGLUND CONSTRUCTION SERVICES	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
TOPOGRAPHICAL SURVEY OF THE MAIN CELL	7:00 AM	8:45 AM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	4	
FOREMAN			
SKILLED	2	1.75	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 94 HIGH 75 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: 0 MPH WIND DIRECTION:

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
TOPOGRAPHICAL SURVEY OF THE MAIN CELL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 4

PHOTO ID NUMBERS

ROLLER	<input type="text"/>	<input type="text"/>	<input type="text"/>
FRONT END LOADER	<input type="text"/>	<input type="text"/>	<input type="text"/>
FUEL TANK	<input type="text"/>	<input type="text"/>	<input type="text"/>
DOZER	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

VISITORS: Jesse Roberts, Comanco's Fleet Operations Manager



DAILY REPORT OF CONSTRUCTION

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 CQA Daily Log Sheet for today's activities.

PROJECT INSPECTOR:

MIKE WIMER

DATE:

07/16/10

HOURS AT JOB SITE

FROM 6:45 TO 5:00

TOTAL HOURS

10.25



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

TIME			
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 Vehicle Number LD-E001, with bucket and forks. 1 each Sakai CV550D Roller Comanco Vehicle 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 capabilities 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

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

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 97 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: SOUTHEAST

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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 Daily Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/17/10	FROM 7:00 TO 7:00	0



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

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	<p>Received the following E-Mails regarding the Phase III Expansion:</p> <p>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</p> <p>From: Dominique Bramlett, SUBJECT: Biaxial Geogrid Material Data-Citrus County Phase 3 Expansion Project dated 7/17/10 9:50 PM</p> <p>From: Dominique Bramlett, SUBJECT: 310519-01A 16 oz Non Woven Geotextile Citrus County Phase 3 Expansion Project dated 7/17/10 10:23 AM</p> <p>From: Dominique Bramlett, SUBJECT: 029041-03A Geosynthetic Rain Tarp Layout-Citrus County Phase 3 Expansion Project dated 7/17/10 10:35 AM</p> <p>From: Dominique Bramlett, SUBJECT: 310520-01A Triplanar manufacture's Experience of 5,000,000 sf dated 7/17/10 10:52 AM</p> <p>From: Dominique Bramlett, SUBJECT: 310520-07A MQC Program-Triplanar Geocomposite-Citrus County Phase 3 Expansion Project dated 7/17/10 11:09 AM</p> <p>From: Dominique Bramlett, SUBJECT: 310520-03A Triplanar Transmissivity-Citrus County Phase 3 Expansion dated 7/17/10 11:24 AM</p> <p>From: Dominique Bramlett, SUBJECT: 029041-04A Rain Tarp Product Data Sheet dated 7/17/10 11:45 AM</p> <p>From: Dominique Bramlett, SUBJECT: 025615-07A GCL Product Data Sheet-Citrus County Phase 3 Expansion Project dated 7/17/10 12:13 PM</p> <p>From: Dominique Bramlett, SUBJECT: Triplanar Manufacture's Installation Instructions dated 7/17/10 12:26 PM</p> <p>From: Dominique Bramlett, SUBJECT: HDPE Geomembrane Product Data Sheet-Citrus County Phase 3 Expansion Project dated 7/17/10 12:48 PM</p> <p>From: Dominique Bramlett, SUBJECT: Triplanar Material Data and Specifications dated 7/17/10 1:00 PM</p> <p>From: Dominique Bramlett, SUBJECT: Shop Drawing Submittal Log dated 7/17/10 1:10 PM</p>	Noted



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

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

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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 98 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: EAST

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: NONE

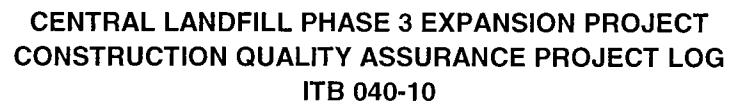


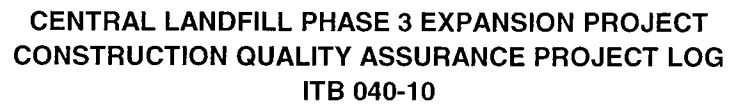
DAILY REPORT OF CONSTRUCTION

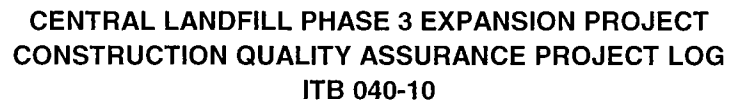
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/18/2010	SUNDAY	NO: 14 OF 210

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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/18/10	FROM 7:00 TO 7:00	0

[illegible]

PAGE 2 OF 3

[illegible]



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: A-1 SILTS AND EROSION

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
SOUTH ACCESS DRIVE	7:00 AM	5:15 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10.25	WOVEN GEOTEXTILE MATERIAL
FOREMAN			
SKILLED	2	10.5	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
X	BULLDOZER	X	SURVEYING EQUIPMEN			
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					
	TRUCK, DUMP					
2	TRUCK, PICKUP					
	TRUCK, WATER					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 95 HIGH 79 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
SOUTH ACCESS DRIVE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 7

PHOTO ID NUMBERS

BASE STATION			
DOZER			
DEMO-1			
SILT FENCE			
WOVEN GEOTEXTILE			
DEMO-2			
DEMO-3			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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

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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/19/10	FROM 6:30 TO 5:15	10.25



**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 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 install 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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
 CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
 SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
DEMOLITION OF THE PHASE III CELL	7:00 AM	11:30 AM
CONSTRUCTION OF THE LAYDOWN AREA	11:30 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10.25	
FOREMAN			
SKILLED	2	10.25/1	
SEMI SKILLED			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 99 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 7 MPH WIND DIRECTION: East

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
Demolition of the Phase III Cell	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction of the Lay Down area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 3

PHOTO ID NUMBERS

DEMO-1			
DEMO-2			
STORM PUMPS			

VISITORS: Dominique Bramlett, SCS Engineers, Ken Frink, Director of Public Works



DAILY REPORT OF CONSTRUCTION

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:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/20/10	FROM 6:30 TO 5:15	10.25



**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.	Noted
7:00 AM	11:30 AM	Comanco Superintendent, Bill Newman, and his operator arrived on-site 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: DIAMOND TRANSPORT	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
DEMOLITION OF THE PHASE III CELL	7:45 AM	9:30 AM
SOUTH ACCESS DRIVE	9:30 AM	4:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN			
SKILLED	2	10	
TRUCK DRIVERS	2	9	
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
X	BULLDOZER		SURVEYING EQUIPMENT			
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					
2	TRUCK, DUMP					
1	TRUCK, PICKUP					
	TRUCK, WATER					

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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 99 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 10 MPH WIND DIRECTION: EAST/NORTHEAST

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
DEMOLITION OF PHASE III CELL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SOUTH ACCESS DRIVE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 7

PHOTO ID NUMBERS

RUBBLE			
STOCKPILES			
HAUL ROAD			
TRANSPORT			
FILL MATERIAL			
PROOF ROLLING			
WORK COMPLETED			

VISITORS: None



DAILY REPORT OF CONSTRUCTION

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 Daily Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/21/10	FROM 6:30 TO 5:00	10



**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	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 on-site	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 as-built-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 7/21/10 12:31 PM 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: UNIVERSAL CONSTRUCTION TESTING	
DIAMOND TRANSPORT	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
SOUTH ACCESS DRIVE	7:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10.25	
FOREMAN			
SKILLED	2	10.25	
TRUCK DRIVERS	2	9	
COMMON			
TRAINEE			
GEOTECHNICAL TECH	1	1	

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

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 99 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION: ☐ SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 4 MPH WIND DIRECTION: NORTHEAST

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
SOUTH ACCESS DRIVE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 4

PHOTO ID NUMBERS

WOVEN GEOTEXTILE			
PSI			
OVERLAP			
STABILIZER			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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 Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/22/10	FROM 6:30 TO 5:15	10.25



**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	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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 7/23/2010	DAY OF WEEK: FRIDAY	CONTRACT DAY NO: 19 OF 210

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: DIAMOND TRANSPORT

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
SOUTH ACCESS DRIVE	7:00 AM	5:15 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10.25	324 YD³ OF STABILIZER
FOREMAN			
SKILLED	2	10.25	
TRUCK DRIVERS	5	9	
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
X	BULLDOZER		SURVEYING EQUIPMEN			
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					
5	TRUCK, DUMP					
X	TRUCK, PICKUP					
X	TRUCK, WATER					
	TRACKHOE					
X	TRUCK, FUEL					

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 95 HIGH 75 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 8 MPH WIND DIRECTION: EAST/NORTHEAST

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
SOUTH ACCESS DRIVE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 7

PHOTO ID NUMBERS

WATER TRUCK			
GEOTEXTILE			
WET DOWN			
WOVEN GEOTEXTILE			
DENISTY			
FUEL TRUCK			
PROOF ROLL			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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 CQA Daily Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/23/10	FROM 6:30 TO 5:15	10.25



**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.	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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

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

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: _____ HIGH _____ LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: _____

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 6 MPH WIND DIRECTION: East/Southeast

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS 0.37 " predicted
1ST RAINFALL: START: _____ END: _____
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☐ 0-2 HRS ☒ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____

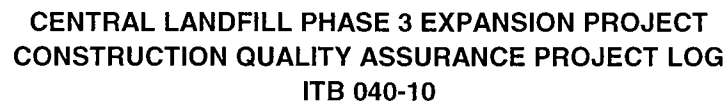


DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	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 Daily log sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/24/10	FROM 7:00 TO 7:00	0

PAGE 1 OF 1



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

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

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 95 HIGH 74 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 4 MPH WIND DIRECTION: EAST/SOUTHEAST

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS 0.18" PREDICTED
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: NONE

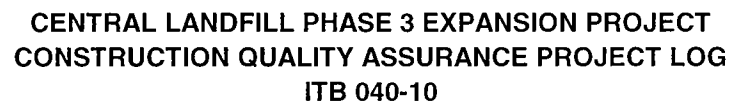


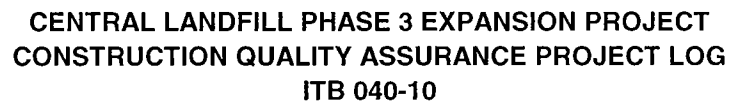
DAILY REPORT OF CONSTRUCTION

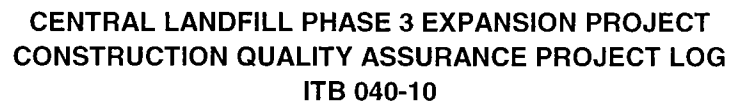
CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	7/25/2010	SUNDAY	NO: 21 OF 210

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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/25/10	FROM TO	0

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PAGE 2 OF 3

[illegible]



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: DIAMOND TRANSPORT

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
SOUTH ACCESS ROAD	7:00 AM	4:15 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	144 YD ³ STABILIZING LIMEROCK
FOREMAN	1	10	324 YD ³ FDOT APPROVED LIMEROCK
SKILLED	2	10	
TRUCK DRIVERS	5	8	
COMMON			
TRAINEE			
GEOTECHNICAL TECH	2	1	

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
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 NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 94 HIGH 78 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☐ NONE ☐ LIGHT ☒ HEAVY ☐ SHOWERS
1ST RAINFALL: START: 2:00 PM END: 4:00 PM 3 INCHES
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
SOUTH ACCESS ROAD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 10

PHOTO ID NUMBERS

GRADER			
FABRIC			
EXCAVTE			
PONDING-1			
CONVEYANCE-1			
CONVEYANCE-2			
CONVEYANCE-3			
CONVEYANCE-4			
PONDING-2			
SILT FENCE			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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

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

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



**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 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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: DIAMOND TRANSPORT	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
SOUTH ACCESS ROAD	7:00 AM	5:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10.5	450 YD ³ FDOT APPROVED LIMEROCK
FOREMAN	1	10.5	
SKILLED	2	10.5	
TRUCK DRIVERS	9	8	
COMMON			
TRAINEE			
GEOTECHNICAL TECH	2	1	

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
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					
9	TRUCK, DUMP					
2	TRUCK, PICKUP					
	TRUCK, WATER					
	TRUCK, FUEL					
1	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 96 HIGH 78 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: 2:00 PM END: 4:00 PM 3 INCHES
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
SOUTH ACCESS ROAD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 4

PHOTO ID NUMBERS

PVC-6 IN			
PVC-2 IN			
PVC-EAST			
GATE VALVE			

VISITORS: DOMINIQUE BRAMLETT, SCS ENGINEERS



DAILY REPORT OF CONSTRUCTION

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 Daily Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/27/10	FROM 6:30 TO 5:30	11



**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 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: DIAMOND TRANSPORT	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
SOUTH ACCESS ROAD	7:00 AM	4:30 PM

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

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 95 HIGH 79 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION:

RAIN: ☐ NONE ☐ LIGHT ☒ HEAVY ☐ SHOWERS
1ST RAINFALL: START: 2:00 PM END: 3:45 PM 0.13 INCHES
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
SOUTH ACCESS ROAD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 1

PHOTO ID NUMBERS

BOXED IN			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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 activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/28/10	FROM 6:30 TO 4:30	10



**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 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: DIAMOND TRANSPORT

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
SOUTH ACCESS ROAD	7:00 AM	3:15 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	8.25	252 YD ³ OF FDOT APPROVED LIMEROCK
FOREMAN	1	8.25	
SKILLED	2	8.25	
TRUCK DRIVERS	5	5	
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
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 NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 97 HIGH 77 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☐ NONE ☐ LIGHT ☒ HEAVY ☐ SHOWERS
1ST RAINFALL: START: 3:00 PM END: 3:20 PM 0.09 INCHES
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
SOUTH ACCESS ROAD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: NONE

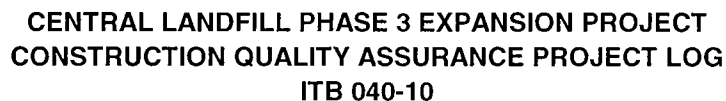


DAILY REPORT OF CONSTRUCTION

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 activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/29/10	FROM 6:30 TO 3:45	9.25

PAGE 1 OF 1



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: DIAMOND TRANSPORT	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
CONSTRUCTION LAYDOWN YARD	7:00 AM	2:00 PM

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	

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
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					
2	TRUCK, DUMP					
2	TRUCK, PICKUP					
	TRUCK, WATER					
	TRUCK, FUEL					
1	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 96 HIGH 78 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION:

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
CONSTRUCTION LAYDOWN AREA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 3

PHOTO ID NUMBERS

UNIVERSAL			
MINE			
PSI			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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 CQA Daily Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/30/10	FROM 6:30 TO 3:15	8.75



**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 attended 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 density 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
SKILLED			
TRUCK DRIVERS			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 98 HIGH 75 LOW ☐ TEMPERATURE RESTRICTION: SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☐ NONE ☐ LIGHT ☒ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____ 1.89 INCHES
2ND RAINFALL: _____ START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: NONE

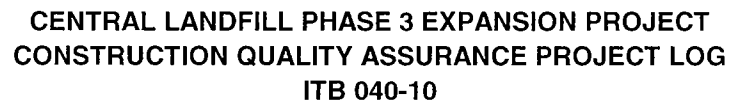


DAILY REPORT OF CONSTRUCTION

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 CQA Daily Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/31/10	FROM 7:00 TO 7:00	0

PAGE 1 OF 1



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
SKILLED			
TRUCK DRIVERS			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 95 HIGH 75 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: 2:00 PM END: 4:00 PM 0.12 INCHES
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: NONE

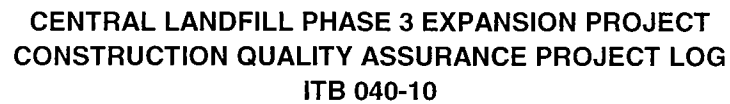


DAILY REPORT OF CONSTRUCTION

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

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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/01/10	FROM 7:00 TO 7:00	0

PAGE 1 OF 1



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 8/2/2010	DAY OF WEEK: MONDAY	CONTRACT DAY NO: 29 OF 217

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Phase III Cell Excavation	7:00 AM	4:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	9	
FOREMAN	1	9	
SKILLED	3	9	
TRUCK DRIVERS			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
X	BULLDOZER		SURVEYING EQUIPMENT			
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					
	TRUCK, DUMP					
2	TRUCK, PICKUP					
	TRUCK, WATER					
	TRUCK, FUEL					
X	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 97 HIGH 76 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: 0 MPH WIND DIRECTION: CALM

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS 0.14 INCHES
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
Phase III Cell Expansion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 6

PHOTO ID NUMBERS

S ACCESS DRIVE			
SANDBAGS			
SUMP AREA			
EXCAVATION			
TOP SW			
TOP SE			

VISITORS: None



DAILY REPORT OF CONSTRUCTION

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

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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/02/10	FROM 6:30 TO 4:30	9.5



**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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: DIAMOND TRANSPORT

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
EMBANKMENT FOR THE SOUTH ACCESS DRIVE	7:00 AM	4:30 PM
EXCAVATION OF UNSUITABLE 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			

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
X	BULLDOZER		SURVEYING EQUIPMEN			
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					
	TRUCK, WATER					
	TRUCK, FUEL					
X	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 97 HIGH 79 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
EMBANKMENT FOR SOUTH ACCESS DRIVE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EXCAVATION OF UNSUITABLE MATERIALS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 11

PHOTO ID NUMBERS

STRIPPINGS	HDPE LINER		
EMBANKMENT			
DIAMOND			
EXCAVATING			
SANDBAGS			
BENCH			
BERM			
EMBANKMENT-2			
EMBANKMENT-3			
GFFR			

VISITORS: None



DAILY REPORT OF CONSTRUCTION

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

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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/03/10	FROM 6:30 TO 5:15	10.75



**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 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 yd ³ of strippings from the well site and 1,152 yd ³ 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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
 CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: DIAMOND TRANSPORT
 LAKESIDE SOD

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
EMBANKMENT FOR SOUTH ACCESS ROAD	7:00 AM	4:30 PM
EXCAVATION OF UNSUITABLE MATERIALS	7:00 AM	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			

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
X	BULLDOZER		SURVEYING EQUIPMEN			
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					
	TRUCK, WATER					
	TRUCK, FUEL					
X	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 95 HIGH 79 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
EMBANKMENT FOR ACCESS ROAD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EXCAVATION FOR UNSUITABLE SOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 8

PHOTO ID NUMBERS

HAUL ROAD			
BENCH			
LOAD			
SOD DRIVER			
BENCH-2			
LOADS			
EMBANKMENT			
SOD			

VISITORS: Ken Frink, Director of Public Works, John Thrumston, Commissioner District 4



DAILY REPORT OF CONSTRUCTION

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 CQA Daily Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/04/10	FROM 6:30 TO 4:45	10.25



**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 attended Comanco Safety Meeting	Noted
7:00 AM		Equipment 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		<p>Received the following E-Mails concerning the Phase III Expansion Construction:</p> <p>From: Dominique Bramlett, SUBJECT: RE: Phase 3 Cell Configuration, dated 8/4/10 9:19 AM</p> <p>From: Casey Stephens, SUBJECT: RE: Phase 3 Cell Configuration, dated 8/4/10 11:07 AM</p> <p>From: Ed Hilton, SUBJECT: RE: Phase 3 Cell Configuration, dated 8/4/10 11:33 AM</p> <p>From: Dominique Bramlett, SUBJECT: Progress Meeting No. 4 Agenda and Sign In, dated 8/4/10 1:15 PM</p> <p>From: Dominique Bramlett, SUBJECT: Progress Meeting No. 4 Agenda and Sign In, dated 8/4/10 1:16 PM</p> <p>From: Dominique Bramlett, SUBJECT: Rev Progress Meeting Minutes # 3, dated 8/4/10 1:32 PM</p> <p>From: Dominique Bramlett, SUBJECT: RE 013010-03B Health and Safety Plan, dated 8/4/10 2:51 PM</p> <p>From: Dominique Bramlett, SUBJECT: RE Citrus County GEOGRID dated, 8/4/10 3:06 PM</p> <p>From: Dominique Bramlett, SUBJECT: 313219-04A GEOGRID Resin Info and Quality Control Certificates dated 8/4/10 3:38 PM</p> <p>From: Nick Bridges, SUBJECT: RE: Citrus County GEOGRID dated 8/4/10 3:41 PM</p> <p>From Dominique Bramlett, SUBJECT: Citrus County GEOGRID dated 8/4/10 4:15 PM</p>	Noted
	4:15 PM	Comanco shuts down 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: NORTH LAKESIDE SOD	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
PLACEMENT OF HDPE LINER ON SOUTH ACCESS ROAD	7:00 AM	6:00 PM
PLACEMENT OF SOD ON SOUTH ACCESS ROAD	7:00 AM	5:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11	
FOREMAN	1	11	
SKILLED	3	11	
SOD INSTALLERS	4	10.5	
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
X	BULLDOZER		SURVEYING EQUIPMEN			
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					
	TRUCK, DUMP					
2	TRUCK, PICKUP					
	TRUCK, WATER					
	TRUCK, FUEL					
X	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 92 HIGH 78 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: 0 MPH WIND DIRECTION: CALM

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS 0.09 INCHES
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
PLACEMENT OF HDPE LINER ON SOUTH ACCESS ROAD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLACEMENT OF SOD ON SOUTH ACCESS ROAD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 2

PHOTO ID NUMBERS

SOD			
LINER			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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



**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	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 Dominique 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 8/6/2010	DAY OF WEEK: FRIDAY	CONTRACT DAY NO: 33 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: NORTH LAKESIDE SOD	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
HDPE LINER ON SOUTH ACCESS ROAD	7:00 AM	12:00 PM
SOD PLACEMENT ON SOUTH ACCESS ROAD	8:30 AM	4:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	5	
FOREMAN	1	9.25	
SKILLED	3	5/9.25	
SOD INSTALLERS	4	7.50/3.50	
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 92 HIGH 78 LOW ☐ TEMPERATURE RESTRICTION: ☐
SPECIFICATION NO: ☐

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: ☐ MPH WIND DIRECTION: ☐

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: ☐ START: ☐ END: ☐
2ND RAINFALL: ☐ START: ☐ END: ☐

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
HDPE LINER ON SOUTH ACCESS DRIVE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SOD PLACEMENT ON SOUTH ACCESS DRIVE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 2

PHOTO ID NUMBERS

WATER TRUCK			
ANCHOR TRENCH			

VISITORS: ☐



DAILY REPORT OF CONSTRUCTION

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 CQA Daily Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/06/10	FROM 6:30 TO 4:30	10



**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 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: Dominique 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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
SKILLED			
TRUCK DRIVERS			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 89 HIGH 79 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: 0 MPH WIND DIRECTION:

RAIN: ☐ NONE ☐ LIGHT ☐ HEAVY ☒ SHOWERS 0.28 INCHES
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: None



DAILY REPORT OF CONSTRUCTION

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 Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/07/10	FROM 7:00 TO 7:00	0

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

[illegible]



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
SKILLED			
TRUCK DRIVERS			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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

DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 75 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS 0.08 INCHES

1ST RAINFALL: START: _____ END: _____

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

[illegible]

VISITORS: None

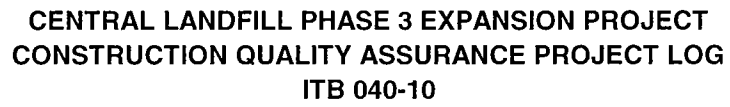


DAILY REPORT OF CONSTRUCTION

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 CQA Daily Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/08/10	FROM 7:00 TO 7:00	0

PAGE 1 OF 1



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: DIAMOND TRANSPORT

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
SOUTH ACCESS ROAD	7:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10.25	
FOREMAN	1	10.25	
SKILLED	3	10.25	
TRUCK DRIVERS	1	3.5	
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
X	BULLDOZER		SURVEYING EQUIPMENT			
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					
1	TRUCK, DUMP					
2	TRUCK, PICKUP					
	TRUCK, WATER					
	TRUCK, FUEL					
X	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 77 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION:

RAIN: ☐ NONE ☐ LIGHT ☐ HEAVY ☒ SHOWERS
1ST RAINFALL: START: 2:30 PM END: 3:15 PM
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
SOUTH ACCESS ROAD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 3

PHOTO ID NUMBERS

LINER			
GATE VALVE			
CONVEYANCE			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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 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



**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	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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
SOUTH ACCESS ROAD	7:00 AM	6:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11	
FOREMAN	1	11	
SKILLED	3	11	
TRUCK DRIVERS			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
X	BULLDOZER		SURVEYING EQUIPMENT			
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					
	TRUCK, DUMP					
2	TRUCK, PICKUP					
	TRUCK, WATER					
	TRUCK, FUEL					
X	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 89 HIGH 78 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION:

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
SOUTH ACCESS ROAD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 2

PHOTO ID NUMBERS

TIE-IN			
FINE GRADE			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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 activities.

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



**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	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
10:15 AM	1:00 PM	Dominique Bramlett arrived on-site.	Noted
11:30 AM	10:30 AM	Departed the site to pick up a soil sample from the RIP L & D Landfill.	Noted
11:45 AM	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
6:00 PM		Comanco finished up the preparation for asphalt on the South Access Road.	Noted
	6:15 PM	Departed the site at 6:15 PM.	Noted



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: DIAMOND TRANSPORT	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
SOUTH ACCESS ROAD	7:00 AM	5:00 PM
PHASE III CELL	7:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN	1	10	
SKILLED	3	10	
TRUCK DRIVERS	3	10	
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)							
A		A		A		A	
X	BULLDOZER		SURVEYING EQUIPMENT				
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						
	TRUCK, WATER						
	TRUCK, FUEL						
X	TRACKHOE						

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 90 HIGH 76 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION:

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: 1:20 PM END: 1:40 PM 0.12 INCHES
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
SOUTH ACCESS ROAD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PHASE III CELL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 6

PHOTO ID NUMBERS

RIPRAP			
MAIN ACCESS			
ASPHALT REMOVAL			
SAWCUT			
BENCH			
TRANSPORT			

VISITORS: KEN FRINK DIRECTOR OF PUBLIC WORKS, EBER BROWN DEPUTY COUNTY ADMINISTRATOR



DAILY REPORT OF CONSTRUCTION

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 Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/11/10	FROM 6:30 TO 5:15	10.75



**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	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 concerning 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



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

TIME			
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: Dominique Bramlett, SUBJECT: 330520-01A HDPE Manufacturer Qualifications dated 8/11/10 1:49 PM	Noted
		From: Dominique Bramlett, SUBJECT: HDPE Handling & Storage dated 8/11/10 2:00 PM	Noted
		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: Dominique 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: Dominique 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



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: DIAMOND TRANSPORT

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
PHASE III CELL	7:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN	1	10	
SKILLED	3	10	
TRUCK DRIVERS	3	9	
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
X	BULLDOZER		SURVEYING EQUIPMEN			
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					
3	TRUCK, PICKUP					
	TRUCK, WATER					
	TRUCK, FUEL					
X	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 79 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION:

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
PHASE III CELL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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

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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/12/10	FROM 6:30 TO 5:15	10.75



**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	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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: DIAMOND TRANSPORT	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
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	

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
X	BULLDOZER		SURVEYING EQUIPMENT			
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					
2	TRUCK, DUMP					
2	TRUCK, PICKUP					
	TRUCK, WATER					
	TRUCK, FUEL					
X	TRACKHOE					

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

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 79 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ 0.42 INCHES
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 3

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/13/10	FROM 6:30 TO 3:00	8



**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 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 yd ³ of cut material out of the Phase III Cell. In addition, 162 yd ³ 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 Manufacturer's Experience dated 8/13/10 3:24 PM	Noted

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

[illegible]



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
SKILLED			
TRUCK DRIVERS			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 92 HIGH 79 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/14/10	FROM 7:00 TO 7:00	0

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

[illegible]



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
SKILLED			
TRUCK DRIVERS			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 92 HIGH 76 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 Daily Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/15/10	FROM 7:00 TO 7:00	0

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

[illegible]



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
EXCAVATION AND EMBANKMENT PHASE III CELL	7:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10.5	
FOREMAN	1	10.5	
SKILLED	3	10.5	
TRUCK DRIVERS			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 93 HIGH 79 LOW ☐ TEMPERATURE RESTRICTION: ☐ SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION:

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
EXCAVATION AND EMBANKMENT PHASE III CELL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 5

PHOTO ID NUMBERS

ACCESS DR			
24-CMP			
TRENCH LINE			
DENSITY TESTING			
LIFT			

VISITORS: None



DAILY REPORT OF CONSTRUCTION

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 Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/16/10	FROM 6:30 TO 5:15	10.25

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

[illegible]



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: DIAMOND T TRUCKING	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
EXCAVATION AND EMBANKMENT PHASE III CELL	7:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10.5	
FOREMAN	1	10.5	
SKILLED	3	10.5	
TRUCK DRIVERS			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 95 HIGH 76 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION:

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS 0.95"
1ST RAINFALL: START: 4:15 PM END: 5:00 PM
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
EXCAVATION AND EMBANKMENT PHASE III CELL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 1

PHOTO ID NUMBERS

FILLED MATERIAL			

VISITORS: NONE



DAILY REPORT OF CONSTRUCTION

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 activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	08/17/10	FROM 6:30 TO 5:15	10.25



**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	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 Corridor.	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 density 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 lift of fill for today.	Noted
12:30 PM	12:45 PM	PSI's was on-site to check the density on the second 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) yd ³	Noted
4:35 PM	5:00 PM	Universal Engineering was on-site to perform 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: PAVERITE	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
PREPARATION OF THE SOUTH ACCESS DRIVE	7:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10.5	
FOREMAN	1	10.5	
SKILLED	3	10.5	
TRUCK DRIVERS			
COMMON			
TRAINEE			
GEOTECHNICAL TECH			

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

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

DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 93 HIGH 76 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
PREPARATION OF THE SOUTH ACCESS DRIVE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 1

PHOTO ID NUMBERS

[illegible]

VISITORS: _____

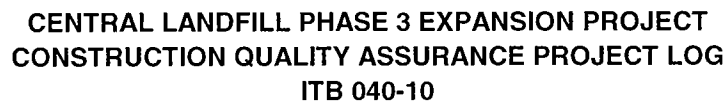


DAILY REPORT OF CONSTRUCTION

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 CQA Daily Log Sheet for today's activities.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
MIKE WIMER	07/26/10	FROM 6:30 TO 5:25	10.25

PAGE 1 OF 1



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Diamond Transport	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Phase 3 Cell , Northwest side slope	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 (ACTIVE/IDLE)						
A		A		A		A
1	BULLDOZER		SURVEYING EQUIPMENT			
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
6	EX. OF UNSUITABLE SOIL	270 cy stripping, 558 cy cut	BASED ON 18CY PER TRI-AXLE TRUCK



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: _____ HIGH _____ LOW ☐ TEMPERATURE RESTRICTION: _____
SPECIFICATION NO: _____

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: 6 MPH WIND DIRECTION: WSW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
Phase 3 Cell , Northwest side slope	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 8

PHOTO ID NUMBERS

1727-1728			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

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 on slope with excavator. Excavator loaded out materials into three subcontractors tri-axle trucks. Trucks hauled materials to area north of new cell and dumped. Front end loader forming material into stockpile. Steel wheel compactor compacting stockpiled materials. Engineer, Contractor and County held progress meeting. 15 truck loads stripping of vegetation (250 cy) and 31 loads of cut (558 cy).

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/19/10	FROM 6:30 TO 6:00	11.5

DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport, Pave Rite

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Phase 3 Cell , Northwest side slope	7:00 AM	
Layed asphalt on haul road c/o 0002		

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

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
6	EX. OF UNSUITABLE SOIL	270 cy stripping, 558 cy cut	BASED ON 18CY PER TRI-AXLE TRUCK
C/O 002	HAUL ROAD ASPHALT	250.02 TONS	13 LOADS SEE DELIVERY TICKETS

DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 75 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: 6 MPH WIND DIRECTION: WSW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
Phase 3 Cell , Northwest side slope	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Laying asphalt on new haul road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 12

PHOTO ID NUMBERS

[illegible]

VISITORS:

DAILY REPORT OF CONSTRUCTION

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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/20/10	FROM 6:30 TO 2:30	8

DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
	BULLDOZER		SURVEYING EQUIPMEN			
	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

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 90 HIGH 75 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ Not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____
2ND RAINFALL: _____ START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: _____

DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/21/10	FROM 0:00 TO 0:00	0

DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 8/22/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO: 49 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
	BULLDOZER		SURVEYING EQUIPMENT			
	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

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 90 HIGH 75 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ Not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS Rainfall .03"
1ST RAINFALL: START: _____ END: _____
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: _____

DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/22/10	FROM 0:00 TO 0:00	0



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: North Lake Sod	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Phase 3 Cell , Northwest side slope	7:00 AM	8:00 AM
New haul road	8:00 AM	6:00 PM

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

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
6	EX. OF UNSUITABLE SOIL	36 cy	BASED ON LOADER BUCKET LOADS



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: 6 MPH WIND DIRECTION: WSW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☒ SHOWERS 1.125 inches
1ST RAINFALL: START: 12:50 PM END: 2:30 PM
2ND RAINFALL: START: 5:00 PM END: NOT RECORDED

RAIN DURATION: ☐ 0-2 HRS ☒ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
Phase 3 Cell , Northwest side slope	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Raking haul road shoulder	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 9

PHOTO ID NUMBERS

1740-1748			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 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 and demolition of GFFR. Hauled approximately 36 cy of material to designated stockpile area using a loader. Comanco crew then moved to haul road and began raking and smoothing new haul road shoulders in preparation of laying sod in am.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/23/10	FROM 6:30 TO 6:00	11.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: North Lake Sod delivery only	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
New haul road shoulder sod	7:00 AM	

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

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
36	SOD	133.3 sy	3 pallets

DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☒ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 80 HIGH 75 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: _____

WIND: ☒ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ WSW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☒ SHOWERS
1ST RAINFALL: START: 8:00 AM END: 2:30 PM 3 inches
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☐ 0-2 HRS ☒ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☐ FAIR ☒ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☒ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 2

PHOTO ID NUMBERS

[illegible]

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. At 7am moved loader to new haul road and began laying the three pallets of sod that were delivered yesterday. Completed laying three pallets and ordered additional sod to complete road shoulder. Running county pumps to dewater expansion area.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/24/10	FROM 6:30 TO 11:00	4.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: North Lake Sod delivery only	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
New haul road shoulder sod	11:45 AM	3:45 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1		
FOREMAN	1		
SKILLED	3		2 left in am
TRUCK DRIVERS			
LABOR			
TRAINEE			
GEOTECHNICAL TECH			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
36	SOD	177.78 sy	4 pallets

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☐ PARTLY CLOUDY ☒ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 80 HIGH 75 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: WSW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☒ SHOWERS
1ST RAINFALL: START: _____ AM END: 11:45 AM 1 inch
2ND RAINFALL: START: _____ AM END: _____ measured 8/26 at 6:30

RAIN DURATION: ☐ 0-2 HRS ☐ 2-4 HRS ☒ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☐ FAIR ☒ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☒ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 6

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Heavy rain still coming down that started early in am. Rain slowed down enough to begin laying sod about 11:45. Completed laying four pallets at about 3:15 pm with three men. Running county pumps to dewater expansion area. On site from 6:30 am to 7:15, back at 11:30am till 3:45pm. Comanco readying their pumps, and fixing areas of erosion after laying sod. Today layed 4 pallets or 177.78 sy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/25/10	FROM 6:30 TO 3:45	5



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
EXPANSION AREA	7:00 AM	9:00 AM
NEW HAUL ROAD	11:45 AM	6:15 AM

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

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
HAUL ROAD	C/O 2		PUNCH LIST



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 90 HIGH 75 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 7 MPH WIND DIRECTION: SW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☒ SHOWERS 3" after 5pm
1ST RAINFALL: START: AM END:
2ND RAINFALL: START: END:

RAIN DURATION: ☐ 0-2 HRS ☒ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☐ FAIR ☒ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
Draining areas of expansion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Working on punch list items for haul road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 14

PHOTO ID NUMBERS

1757-1770			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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).
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.
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 missing areas along the shoulder of the access road.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/26/10	FROM 6:30 TO 6:00	11.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Diamond Transport, North Lake Sod	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
NEW HAUL ROAD	7:00 AM	
Dewatering with County Pumps	on and off	

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1		
FOREMAN			
SKILLED	3		
TRUCK DRIVERS	2		Diamond Transport
LABOR	3		North Lake Sod
TRAINEE			
GEOTECHNICAL TECH			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
HAUL ROAD	C/O 2		PUNCH LIST



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: _____ HIGH _____ LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: _____

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 6 MPH WIND DIRECTION: NE

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☒ SHOWERS
1ST RAINFALL: START: _____ END: _____ rain in early am
2ND RAINFALL: START: _____ END: _____ and late night .22"
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
Draing areas of expansion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Working on punch list items for haul road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 18

PHOTO ID NUMBERS

1792-1809			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

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.
 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 missing areas along the shoulder of the access road.
- All items completed with exception of #6 and #3.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/27/10	FROM 6:30 TO 0:00	11.5

DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
No work performed		

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
	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
			no work performed

DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 88 HIGH 74 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ Not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____
2ND RAINFALL: _____ START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: _____

DAILY REPORT OF CONSTRUCTION

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 SITE	TOTAL HOURS
Kurt Peterson	08/28/10	FROM 0:00 TO 0:00	0

DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
No work performed		

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
	BULLDOZER		SURVEYING EQUIPMENT	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
			no work performed

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 86 HIGH 77 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: Not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS not recorded
1ST RAINFALL: _____ START: _____ END: _____ .03 inches
2ND RAINFALL: _____ START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: _____

DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/29/10	FROM 0:00 TO 0:00	0



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 8/30/2010	DAY OF WEEK: Monday	CONTRACT DAY NO. 57 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Digging sump at NW corner of cell	7:00 AM	5:45 PM

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

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

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

DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	8/30/2010	Monday	NO. 57 OF 215

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 92 HIGH 70 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 6 MPH WIND DIRECTION: NE

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☒ SHOWERS

1ST RAINFALL: START: _____ END: _____ rain in early am

2ND RAINFALL: START: _____ END: _____ and late night .22"

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 18

PHOTO ID NUMBERS

[illegible]

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Excavator began digging sump in Northwest area of landfill for stormwater recovery. Dozer stockpiling soil west of old haul road to build ramp on east side of old haul road. Loader moving pumps and hoses. Turned over new haul road at 11 am to County so traffic to working face was re-directed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/30/10	FROM 6:30 TO 6:00	11.5



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Diamond Transport	

OPERATION AND LOCATION	TIME (AM/PM)	
	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

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			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
1	BULLDOZER		SURVEYING EQUIPMENT			
1	FRONT END LOADER		GPS BASE STATION			
1	GENERATOR					
	PUMP					
	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
#6	CUT	1368 CY	76 X 18CY
#7	FILL	1080 CY	60 X 18CY

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 90 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 9 MPH WIND DIRECTION: NE

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☒ SHOWERS

1ST RAINFALL: START: _____ END: _____ rain in early am

2ND RAINFALL: START: _____ END: _____ and late night .22"

____ 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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
Item #7 FILL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
item #6 CUT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 8

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Excavator began making cuts west of haul road and loading out three tri-axle trucks. Materials were hauled to make ramp east of old haul road and used as fill. Began constructing retention basin to catch stormwater coming into site at south east corner of expansion area

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	08/31/10	FROM 6:30 TO 6:00	11.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION

CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	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

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

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

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

DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 90 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 9 MPH WIND DIRECTION: NE

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☒ SHOWERS
1ST RAINFALL: START: _____ END: _____ rain in early am
2ND RAINFALL: START: _____ END: _____ and late night .22"

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: **11**

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 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 lined with liner and ballasted with recovered broken asphalt. Excavator began removing old asphalt on old haul road and stockpiling, as part of pay item #5

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	09/01/10	FROM 6:30 TO 6:00	11.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Building lined retention area southeast corner of expansion area	7:00 AM	5:45 PM
Removal of asphalt on old haul road 5%	1:00 PM	5:45 AM
Moving pumps and hoses to areas for pumping		

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

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

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

DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 88 HIGH 68 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 10

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 also built 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Moving pumps and hoses to areas for pumping	7:00 AM	12:00 AM

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

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

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 70 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 4

PHOTO ID NUMBERS

1841-1844			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 for today. Crew continued placement of pumps and hoses in retention areas. Pumps not operational until additional hoses and fittings are delivered

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	09/03/10	FROM 6:30 TO 10:30	4

DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION

CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
No work performed		

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
	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
			no work performed

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 93 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ Not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____
2ND RAINFALL: _____ START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: _____

DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	09/04/10	FROM 0:00 TO 0:00	0

DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
No work performed		

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

EQUIPMENT (ACTIVE/IDLE)					
A	A	A	A	A	A
	BULLDOZER		SURVEYING EQUIPMENT	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
			no work performed

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 84 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ Not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____
2ND RAINFALL: _____ START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: _____

DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
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

DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: HOLIDAY

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
No work performed		

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
	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
			no work performed

DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 93 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ Not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____
2ND RAINFALL: _____ START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: _____

DAILY REPORT OF CONSTRUCTION

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
Kurt Peterson	09/06/10	FROM 0:00 TO 0:00	0



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion area 3	7:00 AM	6:30 PM
Constructing alternative haul road on south area on area 2		

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	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			

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
1	BULLDOZER	1	SURVEYING EQUIPMENT			
1	FRONT END LOADER	1	GPS BASE STATION			
1	GENERATOR					
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
#6	CUT	2754 CY	18 CY PER TRUCK LOAD @ 153 LOADS
#5	DEMO	5%	21 LOADS @ 18 CY PER LOAD



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN .125 IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 20

PHOTO ID NUMBERS

1845-1864			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

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 area 2 and constructing additional access ramp. Ramp being underlaid with fabric. Today Comanco built ramp 690x16 foot pramp approximately 3' deep using approximately 270 of soil.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	09/07/10	FROM 7:00 TO 6:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 9/8/2010	DAY OF WEEK: Wednesday	CONTRACT DAY NO. 66 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	1476 CY	65 LOADS SAND AND 17 LOADS TOP SOIL TRUCK LOAD BASE ON 18CY
#5	DEMO	60%	COMPLETED REMOVAL OF ACCESS ROAD AND CURB



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. 66 OF 215

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 93 HIGH 7 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____ RAIN .125 IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 16

PHOTO 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

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 stockpile areas according to type of material. Demoed asphalt being placed on east perimeter road, concrete from curb going to County stockpile, and general fill being placed in borrow area. Comanco excavating rim ditch and placing additional ADS pipe between areas 2 and 3. Mechanic on-site and installed new cutting edge on excavator. Dozer working on north side slopes and compactor rolling haul roads. Due to dusty conditions water truck was operated sparadically. Todays hauling by tri-axle trucks was as follows: 65 loads fill, 15 loads concrete, 30 loads asphalt, and 17 loads top soil.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	09/08/10	FROM 7:00 TO 6:30	11



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion area 3	7:00 AM	12:PM

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			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
1	BULLDOZER	1	SURVEYING EQUIPMEN			
1	FRONT END LOADER	1	GPS BASE STATION			
1	GENERATOR					
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
#6	CUT	1224cy	68 LOADS SAND TRUCK LOAD BASE ON 18CY



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 93 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 7

PHOTO ID NUMBERS

1886-1892			

VISITORS:



DAILY REPORT OF CONSTRUCTION

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 met at expansion area to discuss south tie-in. Contractor concerned about slope stability during tie-in. Contractor states he needs to excavate existing slope back to make tie-in safe for personnel. 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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	09/09/10	FROM 7:00 TO 6:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion area 3	7:00 AM	12:PM

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			

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
1	BULLDOZER	1	SURVEYING EQUIPMEN			
1	FRONT END LOADER	1	GPS BASE STATION			
1	GENERATOR					
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
#6	CUT	1224cy	68 LOADS SAND TRUCK LOAD BASE ON 18CY

DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 93 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☒ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]**PHOTO INFORMATION:**

NUMBER OF PHOTOS TAKEN: 7

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 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. Met at south tie-in for liner near old access road. Comanco located liner by excavating test pits at approx. 100 feet east of road and at approx. 25' east of road to determine depth and area needed to be benched back for excavation. Stakes marking tie in are on inside of berm and top of berm is approx. 3 foot wide. wall to be benched back will be approx. 6 -7 feet not the 23 feet that was discussed. Excavated 68 loads or 1224 cy this day.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	09/09/10	FROM 7:00 TO 11:00	4

DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
 CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
 SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
No work performed		

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

EQUIPMENT (ACTIVE/IDLE)					
A	A	A	A	A	A
	BULLDOZER		SURVEYING EQUIPMENT		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
			no work performed

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 99 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ Not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____ 1.5 in guage
2ND RAINFALL: _____ START: _____ END: _____

RAIN DURATION: ☐ 0-2 HRS ☒ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

VISITORS: _____

DAILY REPORT OF CONSTRUCTION

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

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

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	09/11/10	FROM 0:00 TO 0:00	0

DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
No work performed		

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
	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
			no work performed

DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 98 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ Not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ 1.5 in guage
2ND RAINFALL: START: _____ END: _____ over weekend

RAIN DURATION: ☐ 0-2 HRS ☒ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

[illegible]

VISITORS: _____

DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Kurt Peterson	09/12/10	FROM 0:00 TO 0:00	0



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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
CONTRACTOR INFORMATION				

CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion area 3	7:00 AM	6:30 PM
Constructing alternative haul road on south area on area 2		

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			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
1	BULLDOZER		SURVEYING EQUIPMENT			
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
#6	CUT	2052 CY	18 CY PER TRUCK LOAD @ 114 LOADS



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 93 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____ RAIN .125 IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Crew excavation of expansion area with excavator and three tri-axle trucks. Trucks transporting materials to Stockpile area north of Phase-3.
Comanco
unloaded Geocomposite material (24 rolls).

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/13/10	FROM 6:30 TO 6:10	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 9/14/2010	DAY OF WEEK: TUESDAY	CONTRACT DAY NO. 72 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion area 3	7:00 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			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	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
#6	CUT	2322 CY	129 LOADS SAND TRUCK LOAD BASE ON 18CY

DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 90 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]**PHOTO INFORMATION:**

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Comanco excavation unsuitable soil of sump pump area with excavator and three tri-axle trucks. Trucks transporting materials to north stockpile area. Tri-axle trucks hauled 129 loads of sand to stockpile or 2322cy at 18cy per load. Called PSI to schedule Technician on site tomorrow to perform density test on the fill material.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/14/10	FROM 6:30 TO 6:30	11.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Diamond Transport, Universal

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion on north-west area and filled on east 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	

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
1	BULLDOZER	1	SURVEYING EQUIPMEN			
1	FRONT END LOADER	1	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
#6	CUT	1728 CY	96 LOADS SAND TRUCK LOAD BASE ON 18CY



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 90 HIGH 73 LOW ☐ TEMPERATURE RESTRICTION: ☐ SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Survey on site to survey the bottom of the unsuitable soil after excavation on the east end of the floor. Comanco continued to excavation from north-west slope and filled on sump pump area. Trucks transporting materials to east area. Tri-axle trucks hauled 96 loads of sand to east end of the floor area or 1728cy at 18cy per load. PSI on site to performed density test on the filled materials.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/15/10	FROM 6:30 TO 6:30	11.5



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport, Universal

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion on north-west area and filled on east 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	

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	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					

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	2196 CY	122 LOADS SAND TRUCK LOAD BASE ON 18CY



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco on site at 6:30 am. Super held safety briefing and discussed work plan for today. Universal (QC) on site to performed density test at east end of the floor area. PSI (QA) on site to performed density on the filled at east end of the floor. Progress meeting #10 Comanco will revised schedule for liner installation date. Comanco continued to excavation from north-west slope and filled on east end of the floor area. Tri-axle trucks hauled 122 loads of sand to east end of the floor area or 2196cy at 18cy per load.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/16/10	FROM 6:30 TO 6:30	11.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 9/17/2010	DAY OF WEEK: Friday	CONTRACT DAY NO. 75 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Comenco set up pump on East side of phase 3	6:30 AM	6:30 AM
Comenco demolition fabriform on East end of phase 3		

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	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					

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#5	Demolition	22%	

DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: _____

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]**PHOTO INFORMATION:**

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/17/10	FROM 6:30 TO 12:00	5.5



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 92 HIGH 70 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/18/10	FROM 0:00 TO 0:00	0



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 HOURS
Paul Siriboury	09/19/10	FROM 0:00 TO 0:00	0



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Gaudette Electric, Inc.	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Comenco continued to demolition fabrifom on East end of phase 3	6:30 AM	6:30 AM
Gaudette Electri, Inc. disconnected power to the existing pump		

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	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					

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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. 8:10 Gaudette Electric, Inc. onsite to disconnected the poer to existing pump in phase 3. Comanco continued to worked on demolition fabrifform on East end of phase 3.

Comanco removed the existing pump from phase 3 and removed existing 12" discharge pipe.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/20/10	FROM 6:30 TO 18:30	11.5



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Comenco worked on excavation from North West and fill 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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	Cut	3,204 cy	18 cy per truck load @ 178 loads





DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Comanco start worked on excavation on west end of phase 3 total excavation of 178 truck loads. Comanco unloaded Bi-planar Geocomposite 32 rolls of 212' x 15', 19 rolls of 170' x 15', 23 rolls of 165' x 15', 28 rolls of 155' x 15', 10 rolls of 200' x 15', 14 rolls of 150' x 15' and 4 rolls of non-woven geotextile 15' x 300'.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/21/10	FROM 6:30 TO 18:30	11.5



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Comenco worked on excavation from North West and fill 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	10	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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 onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Comanco continued to worked on excavation on west end of phase 3 total excavation of 77 truck loads. Comanco unloaded GCL total of 45 rolls.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/22/10	FROM 6:30 TO 18:30	11.5



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Comenco excavation on south slope of phase 3	6:30 AM	6:30 AM
Comanco continued to set up pump on west end of phase 3		

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

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

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 92 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Comanco excavation on south slope and smooth roll the floor area. Liner crew onsite with 1 supervisor and 3 Technician filled sand bags. Comanco worked on grade the swale on north end of phase 3.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/23/10	FROM 6:30 TO 18:30	11.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Comanco excavation on south slope of phase 3	6:30 AM	3:00 PM
Comanco filled on East end of phase 3		

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

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					
2	TRUCK, DUMP					
3	TRUCK, PICKUP					
1	TRUCK, WATER					
	TRUCK, FUEL					
1	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 84 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION: ☐ SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation on south slope total of 86 loads and smooth roll the floor area. Liner crew onsite with 1 supervisor and 3 Technician continued to filled sand bags.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/24/10	FROM 6:30 TO 15:00	8



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
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, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 84 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 not onsite. No work planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/25/10	FROM 0:00 TO 0:00	0



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER						
TRUCK, FUEL						
TRACKHOE						

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 89 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/26/10	FROM 0:00 TO 0:00	0



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Diamond Transport	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Comenco excavation on south slope of phase 3	6:30 AM	6:30 PM
Comanco filled on East end of phase 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			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
1	BULLDOZER		SURVEYING EQUIPMENT			
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
6	Excavation and fill	1,548 cy	86 loads base on 18 cy per truck load



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 92 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 6:30 am. Super held safety briefing and discussed work plan for today.
Comanco continued to worked on excavation at North-West slope area.
Comanco pump storm water out of expansion area from overnight rain.
Liner crew onsite with 1 supervisor and 3 Technician continued to filled sand bags.
Total excavation 51 loads.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/27/10	FROM 6:30 TO 18:30	11.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Comenco excavation on south slope of phase 3	6:30 AM	6:30 PM
Comanco filled on East end of phase 3		

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			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
2	BULLDOZER		SURVEYING EQUIPMENT			
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
6	Excavation	1,242 cy	69 loads base on 18 cy per truck load
3	Clearing and grubbing	288 cy	16 loads base on 18 cy per truck load
5	Fabriform concrete	162 cy	9 loads base on 18 cy truck load



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 92 HIGH 72 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today.
Comanco continued to worked on excavation at North-West slope area.
Comanco pump storm water out of expansion area from overnight rain.
Comanco clearing and removing grass and vegetation on East slope.
Comanco removed fabriform from South East corner of phase 3 to stockpile on North of the cell.
Liner crew onsite with 1 supervisor and 3 Technician continued to filled sand bags.
Total excavation 96 loads dirt, 16 Loads of grass and vegetation and 9 loads of fabriform concrete.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/28/10	FROM 6:30 TO 18:30	11.5



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Comenco excavation on south slope of phase 3	6:30 AM	5:30 PM
Comanco filled on East end of phase 3		

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10.5	
FOREMAN	1	10.5	
SKILLED	6	10.5	
TRUCK DRIVERS	1	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 86 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

		1		
MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input type="checkbox"/>	<input checked="" type="checkbox"/> x	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Comanco continued to worked on North-West slope area.
Comanco clearing and removal of grasson North slope. 1:15 PM HDPE pipe arrive on site comanco unload the pipe in stockpile on materials storage area.
Liner crew continued to filled sand bags.
1:35 PM start rain.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/29/10	FROM 6:30 TO 17:30	10.5



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Comenco excavation on south slope of phase 3	6:30 AM	6:30 PM
Comanco filled on East end of phase 3		

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10.5	
FOREMAN	1	10.5	
SKILLED	6	10.5	
TRUCK DRIVERS	1	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
1	BULLDOZER		SURVEYING EQUIPMENT			
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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 86 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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: Comanco onsite at 6:30 am. Super held safety briefing and discussed work plan for today. Comanco continued to worked on North-West slope area.
Comanco clearing and removal of grass on North slope. 1:15 PM HDPE pipe arrive on site comanco unload the pipe in stockpile on materials storage area.
Liner crew continued to filled sand bags.
1:35 PM start rain.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	09/30/10	FROM 6:30 TO 18:30	11.5



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Comenco excavation on south slope of phase 3	7:00 AM	3:30 PM
Comanco filled on East end of phase 3		

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	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
6	Excavation	1,728 cy	96 truckloads based on 18 cy capacity

DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 86 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation work on the west end of cell 3.
Comanco unloaded 58 rolls of 60 mil. HDPE liner and stockpiled the rolls on the North area of cell 3.
Liner crew continued to fill sand bags.
Total of excavation of 1,728 cy today.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/01/10	FROM 7:00 TO 3:30:00 P	8



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER						
TRUCK, FUEL						
TRACKHOE						

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 62 LOW ☐ TEMPERATURE RESTRICTION: ☐
SPECIFICATION NO: ☐

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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. No work planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/02/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 62 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: _____

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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: Comanco not on site. No work planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/03/10	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Diamond Transport, PSI	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion on west area.	7:00 AM	6:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	6	11	
TRUCK DRIVERS	3	10	
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	1.5	

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	1350 CY	75 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 82 HIGH 57 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
#6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation from the west end of cell-3 and hauled it to the stockpile area. PSI technician on site to perform density test on the east and north slopes. Comanco hauled out 30 trucks or 540 cy of top soil and stockpiled the material on the north end of cell 3. Tri-axle trucks hauled 75 loads of sand to the north end of cell-3. A total of 1350cy was hauled at 18cy per load.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/04/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR:	COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:	Diamond Transport, Universal

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	522 CY	29 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY
#9	Biaxial HDPE Geogrid	39,948 SQF	P-1 to P-26
#11	60-Mil Secondary Liner	35,168 SQF	S-1 to S-14
#10	Geosynthetic clay liner	2,250 SQF	Roll # 7863



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 82 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation from the west end of cell-3 and hauled the material to the stockpile area. Comanco's liner crew began deployment of the Biaxial Geogrid material on the east slope of cell 3 from panels P-1 to P-26, GCI and secondary liner from panels S-1 to S-14, covering a total area of 35,168 SQF. See liner logs for details. Comanco hauled out 1,190 cy of topsoil and stockpiled the material on the north end of cell 3. Tri-axle trucks hauled out sand to North end of cell-3 for a total of 522 cy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/05/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/6/2010	DAY OF WEEK: Wednesday	CONTRACT DAY NO. 94 OF 215

CONTRACTOR INFORMATION

CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 82 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: _____

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]**PHOTO INFORMATION:**

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation from the north-west end of cell-3 and hauled the material to the stockpile area. Comanco's liner crew continued deployment of the Biaxial Geogrid material on the north slope of cell 3 from panels P-27 to P-53 (total of 44,244 SQF), GCL 4,500 SQF and secondary liner from panels S-15 to S-29 (total of 41,918 SQF). Marked liner destructive samples DS-5 to DS-8 and sent samples to TRI for laboratory testing. Comanco worked on liner repairs from RS-1 to RS-27, observed and documented liner repairs, seaming and air pressure tests. See liner logs for details. Tri-axle trucks hauled out sand from the west end of phase-3 to the area stockpile at the north end of phase-3 for a total of 1,782 cy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/06/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Diamond Transport	

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	969 CY	57 TRUCKLOADS OF SAND BASED ON 17CY CAPACITY
#10	Geosynthetic clay liner	4,500 SQF	Floor area of East end of phase 3
#9	Biaxial HDPE Geogrid	39,252 SQF	P-54 to P-74
#11	60 Mil Secondary Liner	36,653 SQF	S-30 to S-41



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued sand excavation from the North-West end of phasel-3 and hauled the material to the stockpile area. PSI technician was on site to perform density testing on the North slope. All tests passed the 95% compaction requirements. Comanco's liner crew continued deployment of the Biaxial Geogrid on the North slope of phase-3 from panel P-54 to P-74 (total of 39,252 SQF), GCL 4,500 SQF and secondary liner from panel S-30 to S-41 (total of 36,653 SQF). Marked destructive samples DS-9 to DS-12 and sent samples to TRI for laboratory testing. Comanco worked on liner repairs from RS-28 to RS-47, observed and documented liner repairs, seaming and air pressure tests. See liner logs for details. Tri-axle trucks hauled out sand from West end of phase-3 to stockpile at North end of phasel 3 for a total of 969 cy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/07/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	1,564 CY	92 TRUCKLOADS OF SAND BASED ON 17CY CAPACITY
#10	Geosynthetic clay liner		
#9	Biaxial HDPE Geogrid		
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite	53,520 SQF	P-1 to P-26

DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 82 HIGH 46 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation from the North-West end of phase-3 and hauled the sand material to the stockpile area. Comanco's liner crew began deployment of the Geocomposite Bi-planar material on the East slope of phase-3 from panel P-1 to P-26 (total of 53,520 SQF) and worked on liner repairs from RS-48 to RS-58. Comanco performed vacuum testing on repairs RS-1 to RS-58. Observed and documented liner repairs, Geocomposite deployment and vacuum testing. See liner logs for details. Tri-axle trucks hauled out sand from West end of phase-3 to stockpile at North end of phase-3 for a total of 1,564 cy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/08/10	FROM 7:00 TO 15:30	8



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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

DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 84 HIGH 48 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/09/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 57 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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. No work planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/10/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/11/2010	DAY OF WEEK: Monday	CONTRACT DAY NO. 99 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	1,224 CY	68 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY
#10	Geosynthetic clay liner		
#9	Biaxial HDPE Geogrid		
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite	79,665 SQF	P-27 to P-62



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 60 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation from the North end of phasel-3 and hauled the sand material to the stockpile area. Comanco's liner crew continued deployment of the Geocomposite Bi-planar material on the North slope of phase-3 from panel P-27 to P-62 (total of 79,665 SQF). Observed and documented Geocomposite deployment; see Geocomposite placement log for details. Tri-axle trucks hauled out sand from North end of phase-3 to stockpile at North end of phasel-3; total of 1,224 cy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/11/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/12/2010	DAY OF WEEK: Tuesday	CONTRACT DAY NO. 100 OF 215

CONTRACTOR INFORMATION

CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	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



DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY NO:
SWM PHASE 3 EXPANSION	ITB 040-10	10/12/2010	Tuesday	100 OF 215

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 57 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation from North side of phasel-3 and hauled the sand to the stockpile area. Comanco's liner crew began deployment of the primay 60 mil liner material on the east slope of phase-3 from panel P-1 to P-25 (total of 68,018 SQF). Observed and documented liner deployment, seaming and air pressure testing. See panel placement, seaming and air pressure test logs for details. Tri-axle trucks hauled out sand from North end of phase-3 to stockpile at North end of phasel-3; total of 1,710 cy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/12/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR:	COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:	Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 86 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation from North of phasel-3 and hauled sand to the stockpile area. The liner crew continued deployment of the primay 60 mil liner on the east slope of phase-3 from panel P-26 to P-40 (total of 48,938 SQF). Comanco worked on liner repairs from RP-1 to RP-60, vacuum test from RP-1 to RP-30 and air pressure testing on fusion seams. Observed and documented liner deployment, seaming, liner repairs, air pressure test and vacuum testing. See liner logs for details. Marked destructive samples DP-1 to DP-12 and sent to TRI for laboratory testing. Tri-axle trucks hauled out sand from North end of phase-3 to stockpile at North end of phasel-3; total of 1,710 cy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/13/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/14/2010	DAY OF WEEK: Thursday	CONTRACT DAY NO. 102 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion on north-west area	7:00 AM	6:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS 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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	1,620 CY	90 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY
#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		



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 84 HIGH 60 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation from North-West of phase-3 and hauled sand to the stockpile area. The liner crew began deployment of the geocomposite Tri-planar material from panel P-1 to P-44 (total of 71,713 SQF). Comanco worked on liner repair RP-60, vacuum testing from RP-31 to RP-61. Observed and documented geocomposite Tri-planar, liner repair and vacuum testing. See liner logs and geocomposite placement log (Tri-planar) for details. Tri-axle trucks hauled out sand from North-West of phase-3 to stockpile area; total of 1,620 cy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/14/10	FROM 7:00 TO 18:00	10.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/15/2010	DAY OF WEEK: Friday	CONTRACT DAY NO. 103 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	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	

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	522 CY	29 TRUCKLOADS OF SAND BASED ON 18CY CAPACITY
#14	Geocomposite Tri-planar	55,888 SQF	P-45 to P-73
#9	Biaxial HDPE Geogrid		
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		

DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 80 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]**PHOTO INFORMATION:**

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation from North of phase-3 and hauled the sand material to the stockpile area. The liner crew continued to deploy the geocomposite Tri-planar material from panel P-45 to P-73 (total of 55,888 SQF). PSI technician on site to perform density tests. All passed the minimum 95% compaction requirements. Observed and documented geocomposite Tri-planar; see geocomposite placement log (Tri-planar) for details. Tri-axle trucks hauled out sand from North of phase-3 to stockpile area; total of 522 cy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/15/10	FROM 7:00 TO 15:30	8



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/16/2010	DAY OF WEEK: Saturday	CONTRACT DAY NO. 104 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER						
TRUCK, FUEL						
TRACKHOE						

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 48 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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: Comanco not on site. No work planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/16/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 84 HIGH 51 LOW ☐ TEMPERATURE RESTRICTION: SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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: Comanco not on site. No work planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/17/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion on South	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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	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		



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 84 HIGH 51 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco began removing the ramp from the south end of phasel-3 and hauled the excavated material to the stockpile area. Comanco's liner crew resumed deployment of the Biaxial Geogrid material from panel P-75 to P-98 (total of 41,556 SQF). Observed and documented biaxial geogrid placement; see geogrid placement log (Biaxial) for details. Tri-axle trucks hauled out sand from South of phase-3 to stockpile area; total of 1,656 cy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/18/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 57 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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 in the office. Went to Tampa office and worked on field paperwork.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/19/10	FROM TO	8



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/20/2010	DAY OF WEEK: Wednesday	CONTRACT DAY NO. 108 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion on South near phase 2.	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	3	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

CONTRACT QUANTITY INCREASES 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		



DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY NO:
SWM PHASE 3 EXPANSION	ITB 040-10	10/20/2010	Wednesday	108 OF 215

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 84 HIGH 60 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation from the South area of phase-3 near phase-2 and hauled the sand material to the stockpile area. The liner crew began deployment of the secondary 60 mil liner from panel S-42 to S-56 (total of 43,071 SQF). Comanco worked on liner repairs from RS-59 to RS-78, RS-81 and RS-94 and performed air pressure testing on fusion seams. Observed and documented liner deployment, seaming, liner repairs, air pressure testing. See liner logs for details. Marked liner destructive samples DS-13 to DS-17 and sent to TRI for laboratory testing. Tri-axle trucks hauled out sand from South end of phase-3 to stockpile at North end of phase-3; total of 1,476 cy.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/20/10	FROM 7:00 TO 18:00	10.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation of Expansion on South near phase 2 and removed the ramp.	7:00 AM	6:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS	3	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT	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		

DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 86 HIGH 57 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/21/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Diamond Transport

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Primary liner installation from P-41 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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#6	CUT		
#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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 57 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco's liner crew continued deployment of the primary liner from panel P-41 to P-55 (total of 43,024 SQF). Comanco also worked on liner repairs RS-62 to RS-100, vacuum tested the tie-in and performed air pressure testing on fusion seams. Observed and documented liner deployment, liner repairs, vacuum and air pressure testing. See liner placement and repairs logs for details. Marked liner destructive samples DP-13 to DP-17 and sent to TRI for laboratory testing.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/22/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/23/2010	DAY OF WEEK: Saturday	CONTRACT DAY NO. 111 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 48 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco not on site. No work planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/23/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/24/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO. 112 OF 215

CONTRACTOR INFORMATION				
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION				
SUBCONTRACTORS:				

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
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, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	10/24/2010	Sunday	NO: 111 OF 215

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 89 HIGH 62 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/24/10	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/25/2010	DAY OF WEEK: Monday	CONTRACT DAY NO. 113 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: PSI	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:00 AM	6:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	10	
FOREMAN	1	10	
SKILLED	10	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	1.5	

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar	44,763 SQF	P-74 to P-109
#10	Geosynthetic clay liner		
#9	Biaxial HDPE Geogrid		
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 89 HIGH 69 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. PSI technician came on site today and performed density tests on the North-West slope of phase 3. Comanco continued deploying the geocomposite Tri-planar material from panel P-74 to P-109 (total of 44,763 SQF). Comanco also worked on vacuum testing of liner repairs RP-62 to RP-100. Observed and documented geocomposite deployment and vacuum testing; see geocomposite placement and liner repair logs for details.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/25/10	FROM 7:00 TO 18:00	10.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation North Anchortrench and installed GCL and secondary liner.	7:00 AM	6:00 PM

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

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	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		



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco commenced excavation for the north liner anchor trench. Liner crew continued deploying the biaxial geogrid material from panel P-99 to P-120 (total of 21,780 SQF), GCL (total of 20,250 SQF) and secondary liner from panel P-57 to P-67 (total of 21,936 SQF). Comanco also worked on liner repairs RS-95 to RS-102 and RS-108 to RS-117. Observed and documented geogrid, GCL, and secondary liner deployment and liner repairs. See geogrid, GCL and liner placement and repairs logs for details. Marked liner destructive samples DS-18 to DS-20 and sent to TRI for laboratory testing.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/26/10	FROM 7:00 TO 17:30	10



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/27/2010	DAY OF WEEK: Wednesday	CONTRACT DAY NO. 115 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation North Anchortrench and installed GCL and secondary 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			

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

CONTRACT QUANTITY INCREASES 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		



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 93 HIGH 71 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation along the north and west liner anchor trench. Liner crew continued deployment of the biaxial geogrid from panel P-121 to P-154 (total of 47,280 SQF), GCL (total of 4,500 SQF) and secondary liner from P-68 to P-77 (total of 37,665 SQF). Comanco also worked on liner repairs RS-103 to RS-107 and RS-118 to RS-126. Observed and documented geogrid, GCL and secondary liner deployment and liner repairs. See geogrid, GCL and liner placement and repair logs for details. Marked liner destructive samples DS-21 to DS-23 and sent to TRI for laboratory testing.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/27/10	FROM 7:00 TO 17:30	10



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/28/2010	DAY OF WEEK: Thursday	CONTRACT DAY NO. 116 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Excavation North Anchortrench and installed GCL and secondary 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			

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

CONTRACT QUANTITY INCREASES 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		



DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY NO:
SWM PHASE 3 EXPANSION	ITB 040-10	10/28/2010	Thursday	116 OF 215

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 91 HIGH 68 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued deploying the Biaxial geogrid material from panel P-155 to P-207 (total of 68,544 SQF), GCL (total of 20,250 SQF), and secondary liner from P-78 to P-85 (total of 11,813 SQF). Comanco also worked on liner repairs RS-127 to RS-160 and RS-196 to RS-198. Observed and documented geogrid, GCL and secondary liner deployment and liner repairs. See Geogrid, GCL and liner placement and repair logs for details. Marked DS-24&DS-25.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/28/10	FROM 7:00 TO 17:30	10



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:00 AM	7:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	12	
FOREMAN	1	12	
SKILLED	13	12	
TRUCK DRIVERS	2	8	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 84 HIGH 66 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

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 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 Burlund 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
Paul Siriboury	10/29/10	FROM 7:00 TO 19:30	12



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/30/2010	DAY OF WEEK: Saturday	CONTRACT DAY NO. 118 OF 215

CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:00 AM	4:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	8	
FOREMAN	1	8	
SKILLED	13	8	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
A	BULLDOZER		SURVEYING EQUIPMENT			
A	FRONT END LOADER		GPS BASE STATION			
A	GENERATOR					
	PUMP					
A	ROLLER, STEEL WHEEL					
	TRACTOR, SKID STEER					
A	TRUCK, DUMP					
A	TRUCK, PICKUP					
A	TRUCK, WATER					
	TRUCK, FUEL					
A	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		
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 86 HIGH 60 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco worked on liner details from repairs RS-199 to RS-227 and vacuum tested repairs RS-95 to RS-160, RS201-RS220. Observed and documented liner repairs and vacuum test; see repair logs for details. Marked liner destructive samples DS-27 to DS-32.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/30/10	FROM 7:00 TO 16:00	8.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 10/31/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO. 119 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
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, FUEL					
	TRACKHOE					

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

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 86 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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: Comanco not on site. No work planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	10/31/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/1/2010	DAY OF WEEK: Monday	CONTRACT DAY NO. 120 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:00 AM	6:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
A	BULLDOZER		SURVEYING EQUIPMEN			
A	FRONT END LOADER		GPS BASE STATION			
A	GENERATOR					
	PUMP					
A	ROLLER, STEEL WHEEL					
	TRACTOR, SKID STEER					
A	TRUCK, DUMP					
A	TRUCK, PICKUP					
A	TRUCK, WATER					
	TRUCK, FUEL					
A	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		
#12	Bi-planar Geocomposite	60,075 SQF	P-94 to P-117
#13	60 Mil primary Liner		



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 86 HIGH 60 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco deployed Bi-planar geocomposite material from panel P-94 to P-117 (total 60,075 SQF) and continued to work on liner details from repairs RS-161 to RS-179 with vacuum testing of repairs RS-161 to RS-200 and RS221-RS227. Observed and documented liner repairs and vacuum testing; see Bi-planar geocomposite and repair logs for details. Sent out DS-27 to DS-32 to TRI for laboratory testing.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/01/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/2/2010	DAY OF WEEK: Tuesday	CONTRACT DAY NO. 121 OF 215

CONTRACTOR INFORMATION
 CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
 SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

CONTRACT QUANTITY INCREASES 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		



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 82 HIGH 64 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 logs for details.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/02/10	FROM 7:00 TO 17:30	10



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/3/2010	DAY OF WEEK: Wednesday	CONTRACT DAY NO. 122 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
A	BULLDOZER		SURVEYING EQUIPMENT			
A	FRONT END LOADER		GPS BASE STATION			
A	GENERATOR					
	PUMP					
A	ROLLER, STEEL WHEEL					
	TRACTOR, SKID STEER					
A	TRUCK, DUMP					
A	TRUCK, PICKUP					
A	TRUCK, WATER					
	TRUCK, FUEL					
A	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	80,320 SQF	P-56 to P-82



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 86 HIGH 60 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco deployed primary liner material from panel P-56 to P-82 (total 80,320 SQF) and also worked on liner details from repairs RP-101 to RP-122 as well as air-pressure testing of fusion seams. Observed and documented liner installation, seaming, repair and non-destructive testing; see liner logs for details. Marked liner destructive samples DP-18 to DP-24 and send to TRI for laboratory testing.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/03/10	FROM 7:00 TO 17:30	10



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Trucking

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

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		



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 64 HIGH 48 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco excavated and graded the swale along the North side of phase 3. The liner crew continued deployment of the Tri-planar geocomposite material from panel P-110 to P-114 (total 10,313 SQF) and also worked on liner details from repair RP-123 to RP-144 as well as air pressure testing. Observed and documented geocomposite installation, liner repair and non-destructive test; see liner and geocomposite placement logs for details. Marked liner destructive samples DP-18 to DP-24 and sent to TRI for laboratory testing.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/04/10	FROM 7:00 TO 15:30	10



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Diamond Trucking	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:00 AM	7:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	12	
FOREMAN	2	11.5	
SKILLED	17	11.5	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar	70,750 SQF	P-115 to P-157
#10	Geosynthetic clay liner		
#15	Uniaxial Geogrid		
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 64 HIGH 48 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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	8



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/6/2010	DAY OF WEEK: Saturday	CONTRACT DAY NO. 125 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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

DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 60 HIGH 41 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS:



DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/06/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/7/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO. 126 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
BULLDOZER		SURVEYING EQUIPMENT				
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			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 64 HIGH 35 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: END: RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/07/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/8/2010	DAY OF WEEK: Monday	CONTRACT DAY NO. 127 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond Trucking

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

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		
#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		



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 69 HIGH 35 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued excavation and grading work on the swale along the North side of phase 3. Liner crew deployed Tri-planar geocomposite material (10,000 SQF) inside the leachate collection trench and deployed Bi-planar geocomposite material from panel P-149 to P-192 (total of 42,135 SQF).

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/08/10	FROM 7:00 TO 17:00	9.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/9/2010	DAY OF WEEK: Tuesday	CONTRACT DAY NO. 128 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Diamond trucking	

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 77 HIGH 35 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco deployed primary liner material from panel P-83 to P-113 (total of 56,633 SQF) and worked on liner details from repair RP-145 to RP-156 as well as performing non-destructive testing. Observed and documented liner deployment, seaming and non-destructive testing; see liner logs for details. Marked liner destructive samples DP-25 to DP-31. Bi-planar geocomposite material was deployed from panel P-118 to P-148 (total 44,670 SQF) along with Uniaxial geogrid on the slope from panel P-1 to P-23 (total 4,068 SQF). See geogrid and geocomposite placement logs for details. Comanco placed protective cover on East end of place 3.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/09/10	FROM 7:00 TO 18:00	10.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Diamond trucking

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 80 HIGH 49 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued to place sand on East end of phase 3. Liner crew worked on liner details and performed non-destructive testing. Observed and documented liner details and testing; see liner logs for details. Marked liner destructive sample DP-32 and sent to TRI for laboratory testing.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/10/10	FROM 7:00 TO 17:00	9.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/11/2010	DAY OF WEEK: Thursday	CONTRACT DAY NO. 129 OF 215

CONTRACTOR INFORMATION
 CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
 SUBCONTRACTORS: PSI

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	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	1	1.5	

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 80 HIGH 44 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco performed excavation across the road and installed 16" road crossing casing and 4" force main piping on West end of phase 3 to the pump station. PSI technician was on site to perform density on backfill over the casing across the road. Liner crew deployed Tri-planar geocomposite material from panel P-158 to P-224 (total 52,663 SQF).

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/11/10	FROM 7:00 TO 18:00	10.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
 CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
 SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 53 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco worked on spreading of the sand material on the West end of the floor and installed 22 1/2 degree elbow for the 8" HDPE leachate collection pipe at the toe of the East slope. Liner crew deployed Uniaxial geogrid from panel P-24 to P-73 (total 15,408 SQF).

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/12/10	FROM 7:00 TO 16:00	8.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/13/2010	DAY OF WEEK: Saturday	CONTRACT DAY NO. 132 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
	BULLDOZER		SURVEYING EQUIPMENT			
	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			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 44 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco not on site. No work planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/13/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
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, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 44 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco not on site. No work planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/14/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond trucking

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 80 HIGH 44 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued to place sand on the floor of phase 3. Liner crew continued to deploy Uniaxial geogrid from panel P-74 to P-100 (total of 41,148 SQF). Observed and documented Uniaxial geogrid deployment; see geogrid placement logs for details.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/15/10	FROM 7:00 TO 17:30	10



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/16/2010	DAY OF WEEK: Tuesday	CONTRACT DAY NO. 135 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Diamond trucking	

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar		
#10	Geosynthetic clay liner		
#15	Uniaxial Geogrid	69,672 SQF	P-101 to P-142
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 82 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued placing sand on the floor of phase 3. Liner crew continued deploying Uniaxial geogrid material from panel P-101 to P-142 (total of 69,672 SQF). Observed and documented Uniaxial geogrid deployment; see geogrid placement logs for details.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/16/10	FROM 7:00 TO 17:30	10



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/17/2010	DAY OF WEEK: Wednesday	CONTRACT DAY NO. 136 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond trucking

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:00 AM	5:30 PM

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			

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



DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY NO:
SWM PHASE 3 EXPANSION	ITB 040-10	11/17/2010	Wednesday	136 OF 215

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION: SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued placing sand on the floor of phase 3. Liner crew continued to deploy Uniaxial geogrid from panel P-143 to P-147 (total of 9,972 SQF) as well as rain trap (total of 88,560 SQF) on east end of phase 3. Observed and documented Uniaxial geogrid and rain trap deployment; see geogrid placement logs for details.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/17/10	FROM 7:00 TO 17:30	10



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/18/2010	DAY OF WEEK: Thursday	CONTRACT DAY NO. 137 OF 215

CONTRACTOR INFORMATION
 CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
 SUBCONTRACTORS: Diamond trucking

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco installed 8" leachate collection pipe all the way to sump area and placed stone over the pipe. Liner crew deployed rain trap on East slope (total of 34,800 SQF). Survey crew on site to perform as-built survey of the cell.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/18/10	FROM 7:00 TO 17:30	10



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond trucking

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
#14	Geocomposite Tri-planar		
#10	Geosynthetic clay liner		
#15	Uniaxial Geogrid	61,800 SQF	P-148 to P-177
#11	60 Mil Secondary Liner		
#12	Bi-planar Geocomposite		
#13	60 Mil primary Liner		



DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY NO:
SWM PHASE 3 EXPANSION	ITB 040-10	11/19/2010	Friday	138 OF 215

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco placed stone over the 8" leachate collection pipe and placed sand on the floor area. Liner crew deployed Uniaxial geogrid from panel P-148 to P-177 (total of 61,800 sqf). Observed and documented geogrid deployment; see geogrid placement logs for details.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/19/10	FROM 7:00 TO 16:30	9



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER						
TRUCK, FUEL						
TRACKHOE						

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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/20/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/21/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO. 140 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 44 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: END: RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/21/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/22/2010	DAY OF WEEK: Monday	CONTRACT DAY NO. 141 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Diamond trucking

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 80 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued to place sand on the floor area. Liner crew deployed rain trap on the North slope.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/22/10	FROM 7:00 TO 17:30	10



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Diamond trucking

OPERATION AND LOCATION	TIME (AM/PM)	
	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	3	9	
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 80 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: _____

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

[illegible]

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued to hauling sand and placing it on the floor area. They also placed stone over the perforated section of the 24" pipe in the sump area wrapped with geotextile material.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/23/10	FROM 7:00 TO 18:00	10.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION	
CONTRACTOR:	COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:	Diamond trucking

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 80 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco placed sand around the 24" solid pipe section on the side slope and placed rain trap on the north slope. The liner crew also worked on liner details and vacuum testing. Observed and documented the liner work; see liner repair and nondestructive test logs for details.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/24/10	FROM 7:00 TO 15:30	8



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/25/2010	DAY OF WEEK: Thursday	CONTRACT DAY NO. 144 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A		A		A		A
	BULLDOZER		SURVEYING EQUIPMENT			
	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			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/25/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
BULLDOZER		SURVEYING EQUIPMENT				
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			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: END: RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

VISITORS:



DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/26/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/27/2010	DAY OF WEEK: Saturday	CONTRACT DAY NO. 146 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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. No work planned or performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/27/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/28/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO. 147 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	A	A	A	A	A
BULLDOZER		SURVEYING EQUIPMENT				
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			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 78 HIGH 55 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: _____ MPH WIND DIRECTION: not recorded

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/28/10	FROM TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:00 AM	6:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	11	
FOREMAN	1	11	
SKILLED	13	11	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY NO: 148 OF 215
SWM PHASE 3 EXPANSION	ITB 040-10	11/29/2010	Monday	

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 82 HIGH 66 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: _____

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued to place sand around the 24" solid pipe section on the side slope as well as grading work along the east and north-east swales, preparing for sod placement. Survey crew was on site to survey the area that Comanco had graded. The liner crew also worked on fusion weld on seam P-112/P-113 along with air pressure testing. Observed and documented the liner work; see trial weld, seaming and nondestructive test logs for details.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/29/10	FROM 7:00 TO 18:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 11/30/2010	DAY OF WEEK: Tuesday	CONTRACT DAY NO. 149 OF 215

CONTRACTOR INFORMATION
 CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
 SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	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			

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

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 87 HIGH 66 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]**PHOTO INFORMATION:**

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

[illegible]

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued grading work along the north swale in preparation for sod placement. The liner crew also worked on the boot around the 24" HDPE pipe on the west slope as well as liner repair on R-161 and vacuum testing. Comanco completed deploying Tri-planar geocomposite from panels P-225 to P-227 (total of 6,300 SQF) and also deployed Geogrid UX 1700 from panels 178 to P-196 (total of 23,052 SQF). Observed and documented the liner work; see trial weld, repair, Geogrid and composite placement logs for details.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	11/30/10	FROM 7:00 TO 16:30	9



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:00 AM	11:30 AM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2	N/A	
FOREMAN	1	N/A	
SKILLED	13	N/A	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 73 HIGH 41 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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: Comanco onsite at 7:00 am. Super held safety briefing and discussed work plan for today. Comanco continued grading work on the north swale in preparation for sod placement. The liner crew completed installation of the Geogrid UX material on the west slope from panel P-197 to P-204 (total of 17,160 SQF). Observed and documented geogrid deployment; see geogrid placement log for details. Left site drive for back to Columbia, Maryland.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Paul Siriboury	12/01/10	FROM 7:00 TO 11:30	8*

*Includes partial charge for travel time to Columbia, Maryland



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/2/2010	DAY OF WEEK: Thursday	CONTRACT DAY NO. 151 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	6:30 AM	4:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN	2	10	
SKILLED	9	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 61 HIGH 30 LOW ☐ TEMPERATURE RESTRICTION: SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: NW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 11

PHOTO ID NUMBERS

12-02-10 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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" leachate collection pipe was flushed from the east end to the west. 8" leachate collection pipe connection weld to 24" pipes was finished. Sump area was rocked and graded. Survey as built was done.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/02/10	FROM 6:30 TO 18:00	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/3/2010	DAY OF WEEK: Friday	CONTRACT DAY NO. 152 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	6:30 AM	2:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN	2	10	
SKILLED	13	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	

DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 60 HIGH 31 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: MPH WIND DIRECTION: not recorded

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☐ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 3

PHOTO ID NUMBERS

[illegible]

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Liner crew spent day shoveling sand on west slope around 24" HDPE risers. Sod was layed on north rim. Sand on floor of cell was graded. All equipment was removed from cell.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/03/10	FROM 6:30 TO 15:00	8.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/4/2010	DAY OF WEEK: Saturday	CONTRACT DAY NO. 153 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
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, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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

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
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 was performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/5/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO. 154 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER						
TRUCK, FUEL						
TRACKHOE						

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



DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/5/2010	Sunday	NO. 154 OF 215

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
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

CONTRACT NAME:	CONTRACT NO:	DATE:	DAY OF WEEK:	CONTRACT DAY
SWM PHASE 3 EXPANSION	ITB 040-10	12/5/2010	Sunday	NO. 154 OF 215

GENERAL COMMENTS: No work was performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	10:00 AM	3:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN	2	10	
SKILLED	12	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 52 HIGH 29 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☒ STRONG
WIND SPEED: 10-15 MPH WIND DIRECTION: WNW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 24

PHOTO ID NUMBERS

12-06-10 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Sand filled in around 24" HDPE risers. Flanges welded onto 24" pipes at the top of west slope. Rain tarp deployed on north slope and floor of cell. Strong wind picked up and blew under rain tarp from west end of cell and pushed it back to middle of cell. Survey crew was onsite to survey and locate finished part of cell and rim.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/06/10	FROM 6:30 TO	



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/7/2010	DAY OF WEEK: Tuesday	CONTRACT DAY NO. 156 OF 215

CONTRACTOR INFORMATION
 CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
 SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN	2	10	
SKILLED	13	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 52 HIGH 27 LOW ☐ TEMPERATURE RESTRICTION: SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☒ STRONG
WIND SPEED: 10 MPH WIND DIRECTION: NW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 9

PHOTO ID NUMBERS

12-07-10 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 spent the morning fixing the rain tarp after it blew across half the cell on Monday afternoon. The rest of the rain tarp was deployed and sandbagged on north and west slopes and floor of cell. Additional rain tarp was installed on west slope connecting phase 2 rain tarp to phase 3 rain tarp.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/07/10	FROM 6:30 TO 17:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/8/2010	DAY OF WEEK: Wednesday	CONTRACT DAY NO. 157 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:30 AM	5:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN	1	10	
SKILLED	9	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	2	1	

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 54 HIGH 27 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☒ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: _____ N

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 8

PHOTO ID NUMBERS

12-08-10 PHOTOS			

VISITORS: Mike Wimer, PSI, Universal



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Coastal concrete on site to build forms for box culvert. Sub surface density tests were performed by both PSI and Universal. Survey crew was on site to grade north and west rim of cell.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/08/10	FROM 6:30 TO 17:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/9/2010	DAY OF WEEK: Thursday	CONTRACT DAY NO. 158 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Coastal concrete, Diamond T Trucking	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:00 AM	5:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN	2	10	
SKILLED	7	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: _____ HIGH _____ LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: _____

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: NW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 8

PHOTO ID NUMBERS

12-09-10 PHOTOS			

VISITORS: Dominique Bramlett



DAILY REPORT OF CONSTRUCTION

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 Concrete worked on the steel for the box culvert. Diamond T Trucking was on site to haul left over sand from north rim to top of active cell. 48 loads. Liner crew finished up all activity and left the job site.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/09/10	FROM 6:30 TO 17:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Coastal concrete, A Plus Sod	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:00 AM	3:30 PM

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

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	

DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 55 HIGH 34 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: _____

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: NW

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: 1:30 PM END: RAIN IN GUAGE
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]**PHOTO INFORMATION:**

NUMBER OF PHOTOS TAKEN: 8

PHOTO ID NUMBERS[illegible]

VISITORS:



DAILY REPORT OF CONSTRUCTION

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 concrete was onsite tying steel in box culvert on west rim of cell. Sod crew was on site pegging sod on the slopes on north rim of cell. Installed valve and finished connections on new forcemain on west side of road.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/10/10	FROM 6:30 TO 15:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/11/2010	DAY OF WEEK: Saturday	CONTRACT DAY NO. 160 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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

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
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/12/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO. 161 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ 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
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/13/2010	DAY OF WEEK: Monday	CONTRACT DAY NO. 162 OF 215

CONTRACTOR INFORMATION
 CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
 SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 45 HIGH 39 LOW ☐ TEMPERATURE RESTRICTION: SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☒ STRONG
WIND SPEED: 15-20 MPH WIND DIRECTION: NW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 3

PHOTO ID NUMBERS

12/13/2010			

VISITORS: Gadurette Electric



DAILY REPORT OF CONSTRUCTION

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 COMMENTS: Crew spent day cleaning up small items around site. Stockpile of rock for the sump area was weighed and sold to landfill. Mulch was spread on north slope of phase 2.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/13/10	FROM 6:30 TO 15:30	9



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Coastal Concrete

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
	7:00 AM	3:30 PM

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

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 50 HIGH 29 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: NW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 3

PHOTO ID NUMBERS

12/14/2010			

VISITORS: Troy Watral (Comanco)



DAILY REPORT OF CONSTRUCTION

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 concrete was onsite typing uprights in the forms for the box culvert and headwall. Leachate manifold parts were laid out. List was made of additional parts needed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/14/10	FROM 6:30 TO 15:30	9



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Coastal Concrete

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Coastal Concrete	7:00 AM	3:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	8	
FOREMAN			
SKILLED	3	8	
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					
A	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	

DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 53 HIGH 26 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: N

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☐ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☐ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN:

PHOTO ID NUMBERS

[illegible]

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Coastal concrete was onsite to finish tying the steel in box culvert. Tires placed on rain tarp by inmate work crews, supervised by county and landfill employees. Mulch from landfill was placed on north slope of Phase 2 to help prevent erosion.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/15/10	FROM 6:30 TO 15:30	9



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/DLE)						
A	A	A	A	A	A	A
	BULLDOZER		SURVEYING EQUIPMEN			
	FRONT END LOADER		GPS BASE STATION			
	GENERATOR					
	PUMP					
	ROLLER, STEEL WHEEL					
	TRACTOR, SKID STEER					
	TRUCK, DUMP					
A	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	



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 53 HIGH 26 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: 5 MPH WIND DIRECTION: N

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: END: RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

12/16/2010			

VISITORS: Dominique Bramlett (SCS), Mark Thomas (County surveyor)



DAILY REPORT OF CONSTRUCTION

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: GPS as-built on floor and rim of cell was done by county survey crew. Comanco crew cleaned up storage area.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/16/10	FROM 6:30 TO 15:00	8.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	5	
FOREMAN			
SKILLED	2	5	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	

DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 65 HIGH 34 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: NW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☐ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 0

PHOTO ID NUMBERS

[illegible]

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco had a transport onsite to remove equipment. Concrete crew called off pour for today. Will do it on Monday.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/17/10	FROM 6:30 TO 12:30	6



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ 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
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: No work was performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
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, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ 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
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Coastal Concrete, PSI

OPERATION AND LOCATION	TIME (AM/PM)	
	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	

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 55 HIGH 30 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: NE

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 20

PHOTO ID NUMBERS

12-20-10 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Coastal concrete poured the footing on the box culvert and the headwalls for the access road. All forms were removed by end of the day. PSI was onsite to do slump tests and take samples on concrete. Grading on the north rim of cell and on west side of main road.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/20/10	FROM 6:30 TO 15:30	9



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: PSI, Berglund construction services

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
North and west rim of cell	8:00 AM	8:15 AM
Picked up concrete samples	9:30 AM	12:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	6	
FOREMAN	1	8	
SKILLED	2	8	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	0.25	

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 66 HIGH 31 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: W

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 6

PHOTO ID NUMBERS

12-21-10 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco crew graded north rim of slope so it will be ready for sod. PSI rep was onsite to collect the concrete samples taken yesterday. Berglund construction services was onsite to layout the swale on the north and part of west rim. Access road was also staked.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/21/10	FROM 6:30 TO 15:30	9



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Coastal Concrete	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Box culvert and headwalls on west rim of cell	9:00 AM	5:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	6	
FOREMAN	1	10.5	
SKILLED			
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER						
TRUCK, FUEL						
TRACKHOE						

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☒ FOG

TEMPERATURE: 63 HIGH 30 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 10 MPH WIND DIRECTION: W

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 8

PHOTO ID NUMBERS

12-22-10 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Coastal concrete was onsite putting form boards on the headwalls. Preparing for concrete pour on Tuesday.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/22/10	FROM 6:30 TO 18:00	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/23/2010	DAY OF WEEK: Thursday	CONTRACT DAY NO. 172 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ 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
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR			
FOREMAN			
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, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ 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
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/25/2010	DAY OF WEEK: Saturday	CONTRACT DAY NO. 174 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ 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
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: No work was performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 12/26/2010	DAY OF WEEK: Sunday	CONTRACT DAY NO. 172 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ 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
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: No work was performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Coastal Concrete	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
West rim of cell at box culvert	9:00 AM	5:30 PM

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

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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 49 HIGH 31 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 0-5 MPH WIND DIRECTION: W

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 12

PHOTO ID NUMBERS

12-27-10 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Coastal concrete was onsite to finish the forms for headwall for the access road. Comanco crew began excavation by the main road for the new access road approach to the cell.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/27/10	FROM 6:30 TO 17:30	11



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Coastal Concrete, PSI

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Box culvert and headwall on north west rim of slope	7:00 AM	5:30 PM

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

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



DAILY REPORT OF CONSTRUCTION

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: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 58 HIGH 25 LOW ☐ TEMPERATURE RESTRICTION: SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 0-5 MPH WIND DIRECTION: NW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 19

PHOTO ID NUMBERS

12-28-10 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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 concrete was onsite to pour headwalls for access road on north west rim. Started framing for the box culvert. PSI was onsite to collect concrete samples and do slump tests. Comanco crew finished 6" HDPE pipe stub out and valve assembly on west side of main road.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	12/28/10	FROM 6:30 TO 18:00	11.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: COASTAL CONCRETE 1 SUPT, 5 TECH/LABOR GAUDETTE ELECTRIC 1 TECH	

OPERATION AND LOCATION			TIME (AM/PM)	
			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		
FOREMAN	1	10		
SKILLED	2	8		
TRUCK DRIVERS				
COMMON				
TRAINEE				
GEOTECHNICAL TECH				

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
STORM WATER	24" RCP	80 LF	NOT BACKFILLED
STORM WATER	BOX CULVERT	14 CY	SIDE WALLS



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 59 HIGH 21 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO: CONCRETE 40 F

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 7 MPH WIND DIRECTION: NW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END:
2ND RAINFALL: START: END:

RAIN DURATION: ☒ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
CONCRETE POUR BOX CULVERT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INSTALL 24" RCP NORTH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 2

PHOTO ID NUMBERS

CIT1 THRU 2			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: ON SITE 7:00 AM, COASTAL CONCRETE DIMANTALING FORMS FOR 24" RCP HEADWALLS ON SOUTH SIDE OF MAIN HAUL ROAD EAST OF LEACHATE RISERS. SPENT MORNING DIMANTALING AND CLEANING FORMS WITH TWO LABORS. SUPERVISOR AND TWO LABORERS INSTALLING FORMS AT BOX CULVERT IN PREPARATION OF POURING IN EARLY AFTERNOON. COMANCO ASSISTED IN REMOVING HEADWALL FORMS AND BEGAN EXCAVATING FOR RCP CONNECTING TWO HEADWALLS. INSTALLED TWO RUNS OF 40' AND LEFT EXCAVATION OPEN FOR LATER COMPACTION TESTING. COASTAL CONCRETE RECEIVED AND PUMPED 14 YARDS OF 3500 PSI CONCRETE. PSI ON SITE TO TEST SLUMP AND MADE FOUR CYLINDERS FOR BREAK TESTING. COMANCO HAD GAUDET ELECTRIC DE-ENERGIZED POWER AT OFFICE TRAILER AND INSPECTED TIE-IN FOR ELECTRIC FOR LEACHATE RISER PUMPS.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
KURT PETERSON	12/29/10	FROM 7:00 TO 4:00	9



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ 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
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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

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
1ST RAINFALL: _____ START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: No work was performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ 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
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	1			
	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: No work was performed.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 1/2/2011	DAY OF WEEK: Sunday	CONTRACT DAY NO. 182 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER						
TRUCK, FUEL						
TRACKHOE						

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



DAILY REPORT OF CONSTRUCTION

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 ☐ 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
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

1

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 1/3/2011	DAY OF WEEK: Monday	CONTRACT DAY NO. 183 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Coastal Concrete, PSI

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Coastal Concrete, box culvert on 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	1	0.75	

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 71 HIGH 53 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 0-5 MPH WIND DIRECTION: E

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 15

PHOTO ID NUMBERS

1-03-11 PHOTOS			

VISITORS: Mark Topps Comanco



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Coastal concrete removed forms from the walls of the box culvert, began work on next pour on top of culvert. Comanco crew filled around 24" pipe in headwall. PSI rep was onsite to test density of fill around 24" pipe. Tests failed. Fill was removed and replaced with smaller 6" lifts and better compaction.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/03/11	FROM 6:30 TO 18:00	12



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Coastal Concrete, PSI

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Coastal Concrete, box culvert on west rim	7:00 AM	6:30 PM
PSI, west rim of cell at headwall	10:00 AM	10:30 AM

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	

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 70 HIGH 49 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: 0-5 MPH WIND DIRECTION: ESE

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: END: RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 12

PHOTO ID NUMBERS

1-04-11 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco crew compacted fill around 24" pipes in headwall. Worked on material and stabilizer for the access road. PSI rep was onsite again to test fill around pipes on headwall. All tests passed. Coastal concrete was onsite to pour 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



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Gaudette electric, coastal concrete

OPERATION AND LOCATION	TIME (AM/PM)	
	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	MATERIALS RECEIVED
SUPERVISOR	1	11	
FOREMAN	1	11	
SKILLED	3	11	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 77 HIGH 56 LOW ☐ TEMPERATURE RESTRICTION:
SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG

WIND SPEED: 5 MPH WIND DIRECTION: WNW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: END: RAIN IN GUAGE

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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]**PHOTO INFORMATION:**

NUMBER OF PHOTOS TAKEN: 7

PHOTO ID NUMBERS

[illegible]

VISITORS:



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco welded collar on 8" HDPE cleanout on west rim of cell. Dirt was placed and compacted between box culvert and west rim of cell for slab. Gaudette electric was onsite to get support pipes for main disconnect set in slab and began work on conduit manifold. Coastal concrete was onsite to pour small slab between box culvert and west rim.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/05/11	FROM 6:30 TO 18:00	12



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Gaudette electric, Florida jet clean

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
West rim of cell		

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11	
FOREMAN	1	11	
SKILLED	3	11, 11, 5	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 70 HIGH 51 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: _____ MPH WIND DIRECTION: WNW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 12

PHOTO ID NUMBERS

1-06-11 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco crew welded 2" and 3" HDPE pipe for the pumps in 24" risers. Pipe in headwalls were grouted. Fabric and stabilizer was installed between box culvert and access road. Florida jet clean was onsite to clean and video 24" risers and 8" cleanout pipes. Gaudette electric was onsite to bury conduit for the pumps main control panel.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/06/11	FROM 6:30 TO 18:30	12



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Gaudette electric, coastal concrete, Universal, Bergman Construction Services, Diamond T Trucking	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
West and north rim of cell		

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	

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 63 HIGH 37 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☐ SLIGHT ☒ STRONG
WIND SPEED: 15 MPH WIND DIRECTION: W

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 10

PHOTO ID NUMBERS

1-07-11 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco connected 4" HDPE pipe on west side of cell to pipe that they installed under road in November. Universal rep was onsite to do density test at box culvert and headwalls, test passed. Diamond T Trucking delivered 134 cy (6 loads) of limerock for the culvert and headwall. Bergman had a surveyor onsite to do as-builts and grade slopes for sod. Gaudette electric was onsite and installed main control panel. Coastal concrete was onsite to remove forms and brace floor of box culvert.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/07/11	FROM 6:30 TO 18:30	12



DAILY REPORT OF CONSTRUCTION

DESCRIPTION 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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS:

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
24" HDPE leachate pipes on west slope	7:00 AM	3:45 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	2		Comanco had an additional supervisor for half day
FOREMAN	1	9	
SKILLED	2	9	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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

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

WEATHER CONDITIONS: ☐ CLEAR ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 70 HIGH 48 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 10 MPH WIND DIRECTION: WNW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS

1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE

2ND RAINFALL: START: _____ END: _____

RAIN DURATION: ☐ 0-2 HRS ☐ 2-4 HRS ☐ 4-6 HRS ☐ ALL DAY

WORKING CONDITIONS: ☒ EXCELLENT ☐ GOOD ☐ FAIR ☐ POOR ☐ BAD

DURATION OF ACCEPTABLE CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

[illegible]

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 13

PHOTO ID NUMBERS

[illegible]

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 slope of cell. Hydrostatic pressure test on 6" and 4" HDPE force main from west rim of cell under road and south along main access road.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/08/11	FROM 6:30 TO 16:00	9.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 1/9/2011	DAY OF WEEK: Sunday	CONTRACT DAY NO. 189 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS:	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING

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

EQUIPMENT (ACTIVE/IDLE)						
A	A	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, WATER					
	TRUCK, FUEL					
	TRACKHOE					

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



DAILY REPORT OF CONSTRUCTION

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 ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: _____ HIGH _____ LOW ☐ TEMPERATURE RESTRICTION: _____
SPECIFICATION NO: _____

WIND: ☐ NONE ☐ SLIGHT ☐ STRONG
WIND SPEED: 10 MPH WIND DIRECTION: WNW

RAIN: ☐ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: _____ END: _____ RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: _____

PHOTO ID NUMBERS

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
_____	_____	FROM _____ TO _____	_____



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
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

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: PSI, Guadette electric, Huss drilling

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
PSI density bore at box culvert	8:30 AM	10:45 AM
Huss drilling MW#20	8:30 AM	4:00 PM
Guadette electric conduit manifold	8:30 AM	4:00 PM

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

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

CONTRACT QUANTITY INCREASES TODAY			
ITEM NO.	ITEM	QUANTITY	REMARKS AND CALCULATIONS
N/A	N/A	N/A	



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 72 HIGH 48 LOW ☐ TEMPERATURE RESTRICTION: ☐
SPECIFICATION NO: ☐

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: SSE

RAIN: ☐ NONE ☒ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☐ ACCEPTABLE ALL DAY ☒ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 23

PHOTO ID NUMBERS

1-10-11 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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

GENERAL COMMENTS: Comanco crew compacted the limerock at box culvert and at headwall. Millings were placed over limerock at headwall. They also began welding leachate collection manifold together. PSI rep was onsite with a well crew to do the density boar at the box culvert. SCS rep was onsite with Huss Drilling to do MW-20 and MW-21. Gaudette Electric was onsite to place conduit support racks on box culvert and run some conduit.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/10/11	FROM 6:30 TO 18:00	11.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 1/11/2011	DAY OF WEEK: Tuesday	CONTRACT DAY NO. 191 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Pave rite, gaudette electric universal, huss drilling

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Pave rite and universal at box culvert	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

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	11	
FOREMAN	1	11	
SKILLED	3	11	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH	1	0.5	

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



DAILY REPORT OF CONSTRUCTION

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 ☒ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 64 HIGH 51 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: W

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☐ DRY ☒ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 15

PHOTO ID NUMBERS

1-11-11 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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: Comanco crew continued to weld leachate collection manifold together. Poured concrete around valves on west side of road. Pave rite was onsite to place asphalt on road cut and at the box culvert. Rep from Universal testing was onsite to test density on limerock at box culvert. SCS rep was onsite with Huss Drilling crew to drill MW-21. A-Plus Sod delivered sod.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/11/11	FROM 6:30 TO 18:00	11.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 1/12/2011	DAY OF WEEK: Wednesday	CONTRACT DAY NO. 192 OF 215
CONTRACTOR INFORMATION				

CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION

SUBCONTRACTORS: Huss Drilling, Gaudette Electric, Berglund Construction Services

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Huss Drilling north rim MW-21	8:00 AM	10:30 AM
A-Plus Sod north and west rim, west side of access road	8:00 AM	3:30 PM
Gaudette electric main disconnect installation	8:45 AM	4:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN	1	10	
SKILLED	3	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 56 HIGH 36 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: NNW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 15

PHOTO ID NUMBERS

1-12-11 PHOTOS			

VISITORS: Sligo Pump rep was onsite



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/12/11	FROM 6:30 TO 17:30	10.5



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 1/13/2011	DAY OF WEEK: Thursday	CONTRACT DAY NO. 193 OF 215

CONTRACTOR INFORMATION	
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION	
SUBCONTRACTORS: Gaudette Electric	

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Gaudette Electric connections for leachate pumps	9:00 AM	4:00 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN	1	10	
SKILLED	3	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 52 HIGH 31 LOW ☐ TEMPERATURE RESTRICTION: ☐ SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 5 MPH WIND DIRECTION: ENE

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
2ND RAINFALL: START: END: 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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 9

PHOTO ID NUMBERS

1-13-11 PHOTOS			

VISITORS: Troy Watral from Comanco, Dominique Bramlett (SCS)



DAILY REPORT OF CONSTRUCTION

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: Comanco crew finished all connections on leachate collection manifold. Poured concrete around valves on east side of access road. Gaudette Electric was onsite continuing connections on pumps.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/13/11	FROM 6:30 TO 18:00	12



DAILY REPORT OF CONSTRUCTION

DESCRIPTION OF WORK				
CONTRACT NAME: SWM PHASE 3 EXPANSION	CONTRACT NO: ITB 040-10	DATE: 1/14/2011	DAY OF WEEK: Friday	CONTRACT DAY NO. 194 OF 215

CONTRACTOR INFORMATION
CONTRACTOR: COMANCO ENVIRONMENTAL CONSTRUCTION CORPORATION
SUBCONTRACTORS: Gaudette Electric, Berglund Construction

OPERATION AND LOCATION	TIME (AM/PM)	
	BEGINNING	ENDING
Gaudette Electric connections to pumps at box culvert	8:45 AM	3:00 PM
Berglund as-built on completed construction	11:00 AM	12:30 PM

PERSONNEL	NO	HOURS WORKED	MATERIALS RECEIVED
SUPERVISOR	1	10	
FOREMAN	1	10	
SKILLED	3	10	
TRUCK DRIVERS			
LABOR			
MECHANIC			
GEOTECHNICAL TECH			

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



DAILY REPORT OF CONSTRUCTION

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

WEATHER CONDITIONS: ☒ CLEAR ☐ PARTLY CLOUDY ☐ HEAVY CLOUDS ☐ FOG

TEMPERATURE: 63 HIGH 34 LOW ☐ TEMPERATURE RESTRICTION SPECIFICATION NO:

WIND: ☐ NONE ☒ SLIGHT ☐ STRONG
WIND SPEED: 0-5 MPH WIND DIRECTION: NW

RAIN: ☒ NONE ☐ LIGHT ☐ HEAVY ☐ SHOWERS
1ST RAINFALL: START: END: RAIN IN GUAGE
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 CONDITIONS: ☒ ACCEPTABLE ALL DAY ☐ MORE THAN 50% OF WORK DAY ☐ LESS THAN 50% OF WORK DAY ☐ UNACCEPTABLE ALL DAY

SOIL CONDITIONS: ☒ DRY ☐ WET ☐ EXTREMELY WET

EFFECTS OF WEATHER ON MAJOR WORK ITEMS

MAJOR AND/OR CONTROLLING WORK ITEMS	NO EFFECT ALL DAY	EFFECTED LESS THAN 50% OF WORK DAY	EFFECTED MORE THAN 50% OF WORK	NO WORK ALL DAY
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHOTO INFORMATION:

NUMBER OF PHOTOS TAKEN: 11

PHOTO ID NUMBERS

1-14-11 PHOTOS			

VISITORS: _____



DAILY REPORT OF CONSTRUCTION

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.

PROJECT INSPECTOR:	DATE:	HOURS AT JOB SITE	TOTAL HOURS
Richard Neptune	01/14/11	FROM 6:30 TO	9

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 *DHB*
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.

PHOTOGRAPHS

Please refer to Attachment C for photographs that are representative of the construction activities conducted during the above-mentioned reporting period.

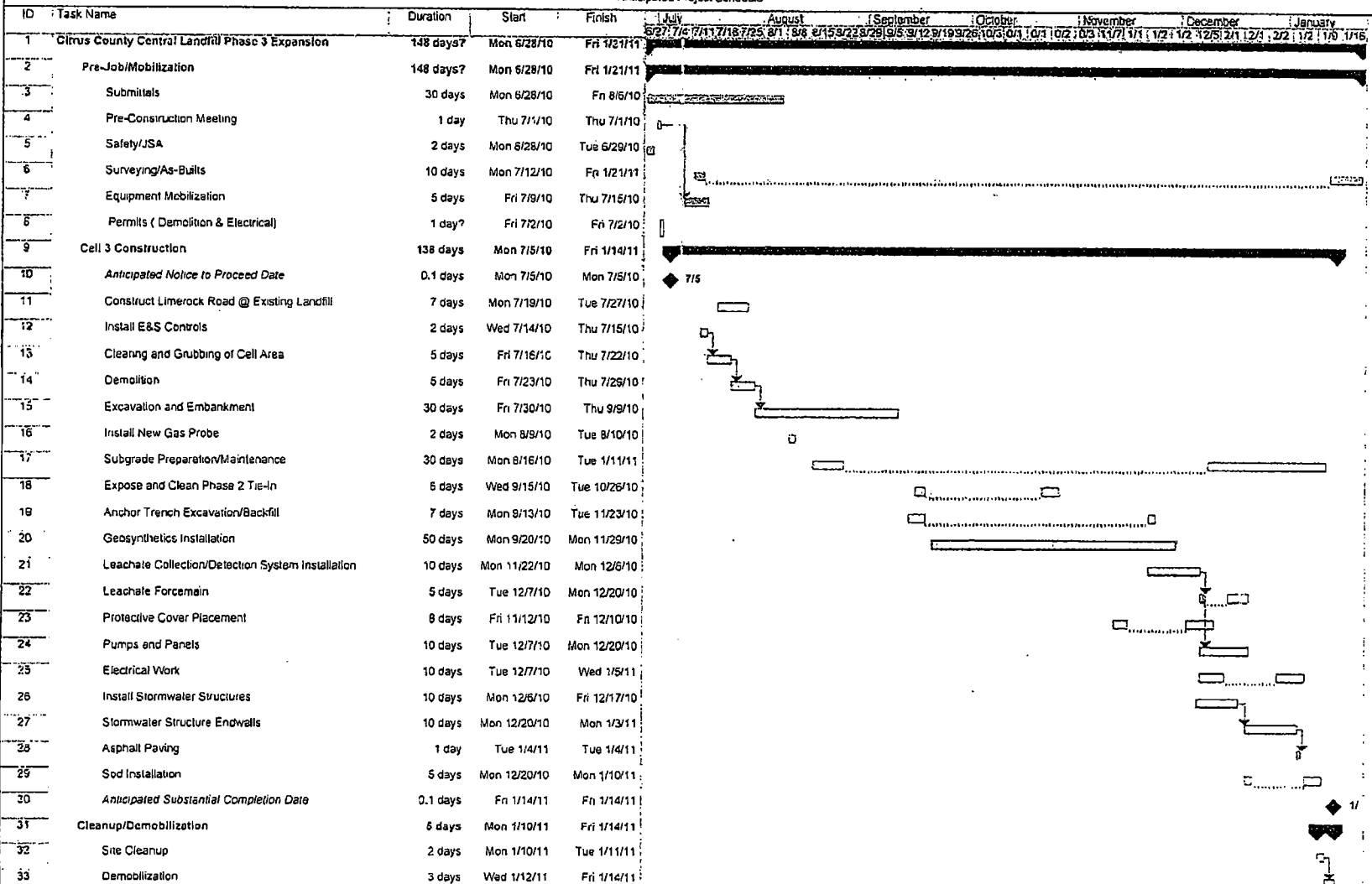
Please do not hesitate to call should you have any questions or require additional information.

ATTACHMENT A
CONSTRUCTION SCHEDULE

COMANCO Environmental Corporation
4301 Sterling Commerce Drive
Plant City FL 33566

Citrus County Central Landfill
Lecanto, Florida
Phase 3 Expansion
Anticipated Project Schedule

Thu 7/8/10



Project Citrus Preliminary Schedule 7.
Date Thu 7/8/10

Task Progress Summary External Tasks Deadline
Split Milestone Project Summary External Milestone

ATTACHMENT B

**WEEKLY CONSTRUCTION PROGRESS MEETING
SUMMARY REPORTS AND CONSTRUCTION SUBMITTAL LOGS**

SHOP DRAWING/SUBMITTAL LOG

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
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
013010 Contractor Submittals					
013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	MC	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		
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			
013010-06A	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			
013010-08A	Quality Control Testing Log	01 30 10-3.16			
013010-09A	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/01/10	MC	07/11/10 email
015001 Field Engineering and Surveying					
015001-01A	Licensed Professional Land Surveyor	01 50 01-1.04	07/08/10	MC	07/09/10 email requesting verification 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

SHOP DRAWING/SUBMITTAL LOG

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
	Elevations are in Conformance with Contract Documents				
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 Mobilization and Demobilization					
015005-01A	Required Insurance Certificates and Bonds	01 50 00-1.01			
016000 Materials and Equipment					
016000-01A	Manufacturer's Instructions on Product Delivery, Storage, and Handling	01 60 00-1.03			
025316 Leachate Collection, Detection Pump					
025316-01A	Manufacturer Prepared Shop Drawings	02 53 16-1.03			
025316-02A	Operating Instructions	02 53 16-1.03			
025316-03A	Equipment Warranty and Certification Form	02 53 16-1.03			
025615 Geosynthetic Clay Liner					
025615-01A	GCL Manufacturer's Qualifications	02 56 15-1.05			
025615-02A	Installer's Qualifications	02 56 15-1.05			
025615-03A	Physical Sample of GCL Used in Final Construction	02 56 15-1.05			
025615-04A	GCL Installation Plan	02 56 15-1.05			
025615-05A	Certificate of Subsurface Acceptability	02 56 15-1.05			
025615-06A	Warranties and Warranties Conditions	02 56 15-1.05			
029041 Geosynthetic Rain Tarp					
029041-01A	Manufacturer's Tests Specs, Install Instructions, and Roll Dimensions	02 90 41-1.02			
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02			

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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 Electrical					
160000-01A	Field Testing Booklet	16 00 00-3.8			
310519 Geotextile					
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 Triplanar 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 Biplanar Geocomposite					

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
310521-01A	Biplanar Manufacturer's Experience of 5,000,000 sf	31 05 21-1.04			
310521-02A	Biplanar Prequalifications	31 05 21-1.04			
310521-03A	Biplanar Transmissivity	31 05 21-1.04			
310521-04A	Biplanar Roll Layout Drawings	31 05 21-1.04	07/13/10		
310521-05A	Biplanar Protection Method	31 05 21-1.04			
310521-06A	Biplanar Material Data and Specifications	31 05 21-1.04	07/14/10		
310521-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 21-1.04			
310521-08A	Biplanar Manufacturer's Installation Instructions	31 05 21-1.04			
310521-09A	Manufacturer's Biplanar Qualifications	31 05 21-1.04			
310521-10A	Biplanar Geonet Resin	31 05 21-1.04			
310521-11A	Biplanar Transmissivity Test Results	31 05 21-1.04			
310521-12A	Biplanar MQC Production Dates and Test Results	31 05 21-1.04			
312000 Excavation, Backfill, and Grading					
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			
313219 Geogrid					
313219-01A	Geogrid Manufacturer's 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 Status

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AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
313219-04A	Geogrid Resin Info and Quality Control Certificates	31 32 19-1.04			
313219-05A	Geogrid Manufacturer Material Info and Quality Control Certificates	31 32 19-1.04			
313219-06A	Geogrid Loading, Unloading, and Storage Recommendations	31 32 19-1.04			
313219-07A	Geogrid Roll Certifications	31 32 19-1.04			
313219-08A	Geogrid Record Drawings	31 32 19-1.04			
313219-09A	Geogrid Material Data	31 32 19-1.04	07/14/10		
316223 Cast-In-Place Concrete					
316223-01A	Cast-In-Place Concrete Product Data	31 62 23-1.05			
321216 Asphalt Paving and Crushed Concrete					
321216-01A	Material Tests Reports	32 12 16-1.04			
321216-02A	Certification of Limerock Source	32 12 16-1.04			
321216-03A	Composition Analysis for LBR Lab Report	32 12 16-1.04			
329000 Seeding and Sodding					
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			
330520-02A	HDPE Fabricator Qualifications	33 05 20-1.04			
330520-03A	Installer Qualifications	33 05 20-1.04			
330520-04A	Material Warranty	33 05 20-1.04			
330520-05A	Geomembrane Resin Info and Quality Control Certificates	33 05 20-1.04			
330520-06A	Geomembrane Manufacturer Material Info and Quality Control Certificates	33 05 20-1.04			

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
330520-07A	Extrudate Rod Resin Information	33 05 20-1.04			
330520-08A	HDPE Recommended Loading, Unloading, and Hauling Equipment	33 05 20-1.04			
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		
330520-15A	Subgrade Acceptance Certification	33 05 20-1.04			
335110 Piping System					
335110-01A	Piping Material Suppliers Certifications and Recommendations	33 51 10-1.02			
335110-02A	Manufacturer Certification of Resin Spec Compliance	33 51 10-1.02			
335110-03A	Manufacturer Stress Regression testing	33 51 10-1.02			
335110-04A	Elbows and Fittings Details and Specs	33 51 10-1.02			
335110-05A	Flow Meter Manufacturer and 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			

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

ATTACHMENT C
CONSTRUCTION PHOTOGRAPHS
DURING REPORTING PERIOD

Citrus County Central Landfill Phase 3 Expansion Project
Monthly Progress Report No. 1 Photos – July 1, 2010 to July 15, 2010
ITB 040-10

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

Citrus County Central Landfill Phase 3 Expansion Project
Monthly Progress Report No. 1 Photos – July 1, 2010 to July 15, 2010
ITB 040-10



File 1



File 2

Citrus County Central Landfill Phase 3 Expansion Project
Monthly Progress Report No. 1 Photos – July 1, 2010 to July 15, 2010
ITB 040-10



File 3



File 4

Citrus County Central Landfill Phase 3 Expansion Project
Monthly Progress Report No. 1 Photos – July 1, 2010 to July 15, 2010
ITB 040-10



File 5



File 6

Citrus County Central Landfill Phase 3 Expansion Project
Monthly Progress Report No. 1 Photos – July 1, 2010 to July 15, 2010
ITB 040-10



File 7



File 8



File 9



File 10

Citrus County Central Landfill Phase 3 Expansion Project
Monthly Progress Report No. 1 Photos – July 1, 2010 to July 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. 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.

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)
9. 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.

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

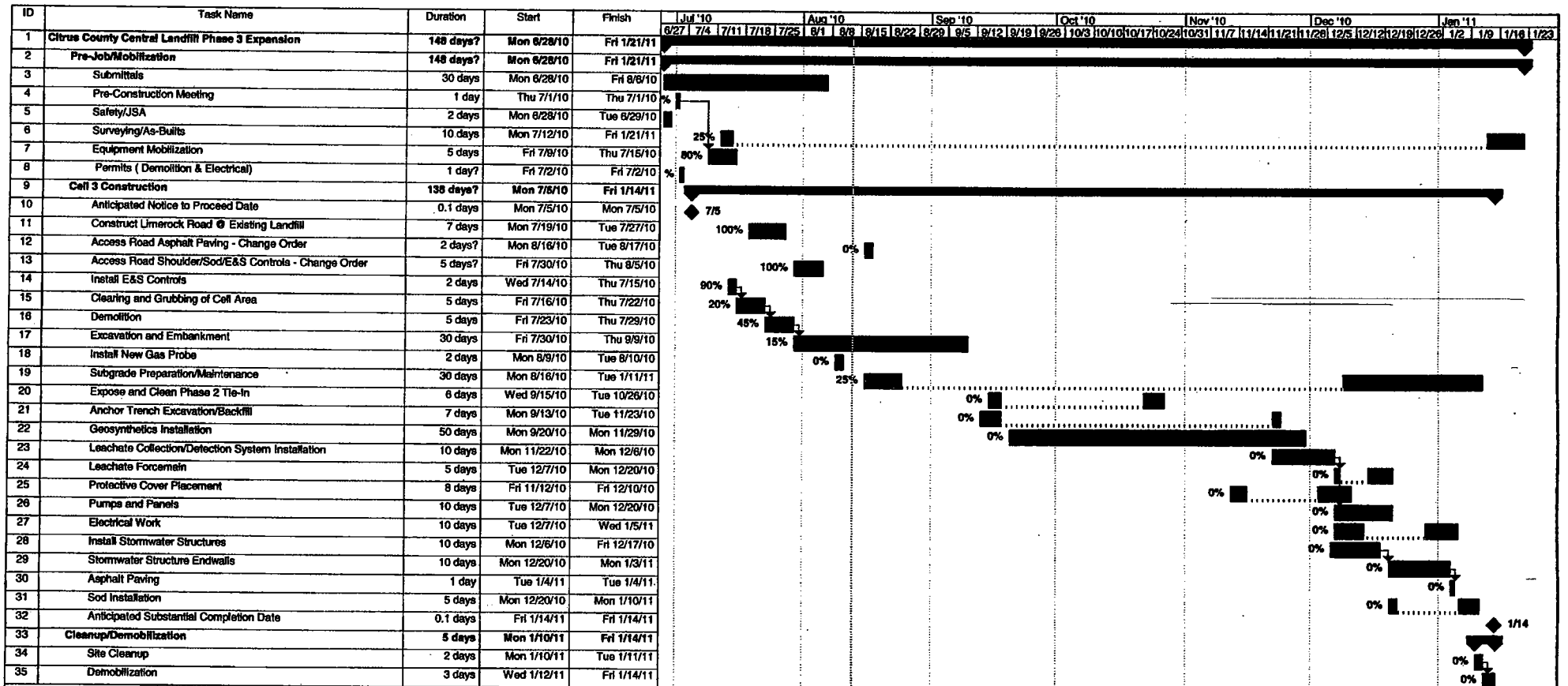
A summary of the submittals reviewed to date by SCS for the project is provided in Attachment B.

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



Project: Citrus Preliminary Schedule J
Date: Fri 8/13/10

Task
Split

Progress
Milestone

Summary
Project Summary

External Tasks
External Milestone

Deadline

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**

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@bcc.citrus.fl.us
--------------	--------------	--

b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@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 #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

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	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 #2**

a) Meeting Minutes

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

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.

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	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 #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 $3 \leq \text{pH} \leq 9$.
- 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.

- 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**

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	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 #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 1/2" 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.

- 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 cast-in-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.

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.

SHOP DRAWING/SUBMITTAL LOG

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
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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
013010 Contractor Submittals					
013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	MC	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
				AR	07/15/10 email
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	NE	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
013010-05A	Health and Safety Officer Documentation	01 30 10-1.01	07/16/10	NE	07/16/10 email
013010-06A	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	07/08/10 email
013010-06B	Erosion and Pollution Control Plan	01 30 10-1.01	07/29/10	NE	08/05/10 email
					07/21/10 email requested signed letter
013010-07A	Project Work and Spec Compliance Confirmation	01 30 10-1.01	07/21/10	NE	
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

SHOP DRAWING/SUBMITTAL LOG

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
013010-09A	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/01/10	MC	07/11/10 email
013010-09B	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/14/10	MC	07/15/10 email
015001 Field Engineering and Surveying					
015001-01A	Licensed Professional Land Surveyor	01 50 01-1.04	07/08/10	MC	07/09/10 email requesting verification of licensure
015001-01B	Licensed Professional Land Surveyor	01 50 01-1.04	07/15/10	NE	07/15/10 email
015001-02A	Survey Certifying Locations and Elevations are in Conformance with Contract Documents	01 50 01-1.04	07/28/10	AR	08/05/10 email and discussed over the phone with JE
015001-03A	Record Drawings (As-Built)	01 50 01-1.04			
015001-04A	Field Surveyor's Log signed and Sealed (Copies)	01 50 01-1.04			
015005 Mobilization and Demobilization					
015005-01A	Required Insurance Certificates and Bonds	01 50 00-1.01			
016000 Materials and Equipment					
016000-01A	Manufacturer's Instructions on Product Delivery, Storage, and Handling	01 60 00-1.03			
025316 Leachate Collection, Detection Pump					
025316-01A	Manufacturer Prepared Shop Drawings	02 53 16-1.03			
025316-02A	Operating Instructions	02 53 16-1.03			
025316-03A	Equipment Warranty and Certification Form	02 53 16-1.03			
025615 Geosynthetic Clay Liner					

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
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			
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			
025615-06A	Warranties and Warranties Conditions	02 56 15-1.05			
025615-07A	GCL Product Data Sheet	02 56 15-1.05	07/16/10	NE	07/17/10 email
025615-08A	GCL Construction Quality 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
029041 Geosynthetic Rain Tarp					
029041-01A	Manufacturer's Tests Specs, Install Instructions, and Roll Dimensions	02 90 41-1.02			
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02			
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10	NE	07/17/10 email
029041-04A	Rain Tarp Product Data Sheet	02 90 41-1.02	07/16/10	NE	07/17/10 email
160000 Electrical					
160000-01A	Field Testing Booklet	16 00 00-3.8			
310519 Geotextile					
310519-01A	Manufacturer's Prequalifications, Tests, Specs, Install Instructions, Roll Dimensions and Approval Form (Non-Woven Geotextile)	31 05 19-1.02	07/14/10	NE	07/17/10 email
310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02			

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
310519-03A	Product Data/Access Road Fabric (Woven Geotextile)	31 05 19-1.02	07/08/10 07/15/10	MC NE	07/12/10 email 07/16/10 email
310520 Triplanar Geocomposite					
310520-01A	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	07/17/10 email
310520-01B	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	08/13/10 email
310520-02A	Triplanar Prequalifications	31 05 20-1.04			
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	07/21/10 email
310520-05A	Triplanar Protection Method	31 05 20-1.04	08/04/10	NE	08/11/10 email
310520-06A	Triplanar Material Data and Specifications	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-08A	Triplanar Manufacturer's Installation Instructions	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-09A	Manufacturer's Triplanar Qualifications	31 05 20-1.04	08/12/10	NE	08/13/10 email
310520-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10		
310520-11A	Triplanar Transmissivity Test Results	31 05 20-1.04	08/12/10		
310520-12A	Triplanar MQC Production Dates and Test Results	31 05 20-1.04	08/12/10		
310521 Biplanar Geocomposite					
310521-01A	Biplanar Manufacturer's Experience of 5,000,000 sf	31 05 21-1.04			
310521-02A	Biplanar Prequalifications	31 05 21-1.04			
310521-03A	Biplanar Transmissivity	31 05 21-1.04			
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

SHOP DRAWING/SUBMITTAL LOG

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
310521-05A	Biplanar Protection Method	31 05 21-1.04			
310521-06A	Biplanar Material Data and Specifications	31 05 21-1.04	07/14/10	NE	07/17/10 email
310521-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 21-1.04			
310521-08A	Biplanar Manufacturer's Installation Instructions	31 05 21-1.04			
310521-09A	Manufacturer's Biplanar Qualifications	31 05 21-1.04			
310521-10A	Biplanar Geonet Resin	31 05 21-1.04			
310521-11A	Biplanar Transmissivity Test Results	31 05 21-1.04			
310521-12A	Biplanar MQC Production Dates and Test Results	31 05 21-1.04			
312000 Excavation, Backfill, and Grading					
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			
312000-06A	Access Road Testing	31 20 00-1.04	08/02/10	Placed in 2 submittals 321216-01A and 321216-03A	
313219 Geogrid					
313219-01A	Geogrid Manufacturer's Qualifications	31 32 19-1.04			
313219-02A	Geogrid Installation Plan	31 32 19-1.04	07/22/10	NE	07/23/10 email
313219-03A	Geogrid Warranties	31 32 19-1.04	07/22/10	NE	08/02/10 email
313219-04A	Geogrid Resin Info and Quality Control Certificates	31 32 19-1.04	07/22/10	AR	08/04/10 email
313219-05A	Geogrid Manufacturer Material Info and Quality Control Certificates	31 32 19-1.04	07/22/10	AR	08/02/10

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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)				
313219-06A	Geogrid Loading, Unloading, and Storage Recommendations	31 32 19-1.04	07/19/10	NE	07/19/10 email
313219-07A	Geogrid Roll Certifications	31 32 19-1.04			
313219-08A	Geogrid Record Drawings	31 32 19-1.04			
313219-09A	Geogrid Material Data (Biaxial Geogrid)	31 32 19-1.04	07/14/10	NE	07/17/10 email
313219-10A	10XT Uniaxial Geogrid Leachate Exposure		08/09/10	RR	08/13/10 email
316223 Cast-In-Place Concrete					
316223-01A	Cast-In-Place Concrete Product Data	31 62 23-1.05			
321216 Asphalt Paving and Crushed Concrete					
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE	08/11/10 email
321216-02A	Certification of Limerock Source	32 12 16-1.04			
321216-03A	Composition Analysis for LBR Lab Report	32 12 16-1.04	08/04/11	NE	08/11/10 email
329000 Seeding and Sodding					
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	33 05 20-1.04	08/11/10	AR	08/11/10 email
330520-05A	Geomembrane Resin Info and Quality Control Certificates	33 05 20-1.04			
330520-06A	Geomembrane Manufacturer Material Info and Quality Control Certificates	33 05 20-1.04			

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
330520-07A	Extrudate Rod Resin Information	33 05 20-1.04	08/12/10		
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	33 05 20-1.04			
330520-16A	HDPE Geomembrane Product Data Sheet	33 05 20-1.04	07/16/10	NE	07/16/10 email
335110 Piping System					
335110-01A	Piping Material Suppliers Certifications and Recommendations	33 51 10-1.02			
335110-02A	Manufacturer Certification of Resin Spec Compliance	33 51 10-1.02			
335110-03A	Manufacturer Stress Regression testing	33 51 10-1.02	08/02/10	AR	08/11/10 email
335110-03B	Manufacturer Stress Regression testing	33 51 10-1.02	08/13/10		
335110-04A	Elbows and Fittings Details and Specs	33 51 10-1.02	08/02/10	AR	08/13/10 email
335110-05A	Flow Meter Manufacturer and 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			

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

ATTACHMENT C

CONSTRUCTION PHOTOGRAPHS
DURING REPORTING PERIOD

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 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



File 1



File 2



File 3



File 4



File 5



File 6



File 7



File 8



File 9



File 10



File 11



File 12

Citrus County Central Landfill Phase 3 Expansion Project
Monthly Progress Report No. ~~X~~ Photos – August 1, 2010 to August 15, 2010
ITB 040-10 2

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



File 1



File 2



File 3



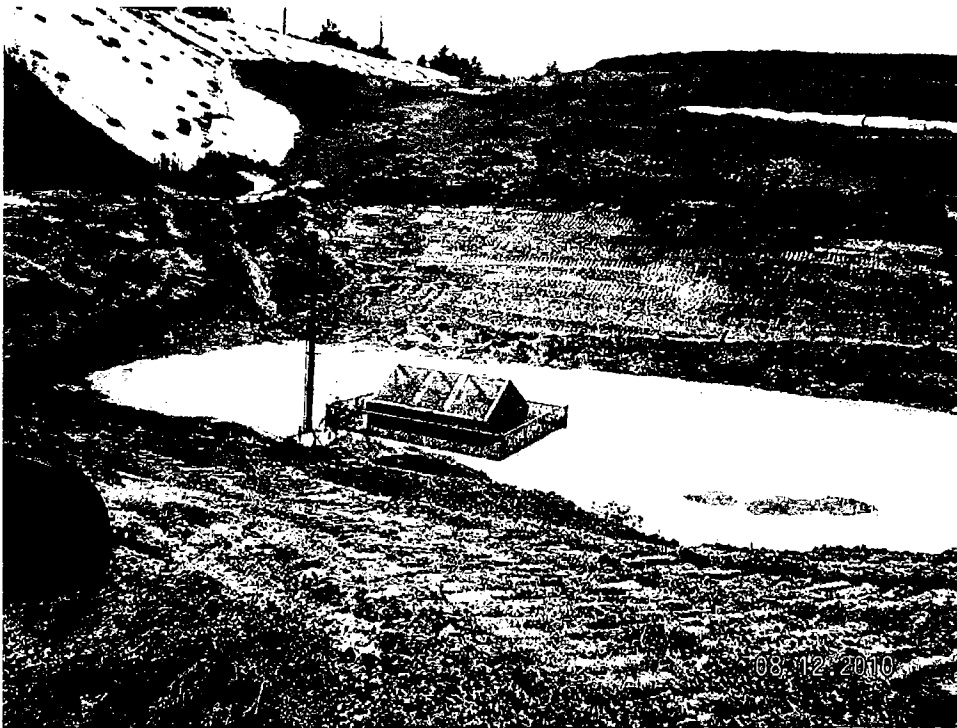
File 4



File 5



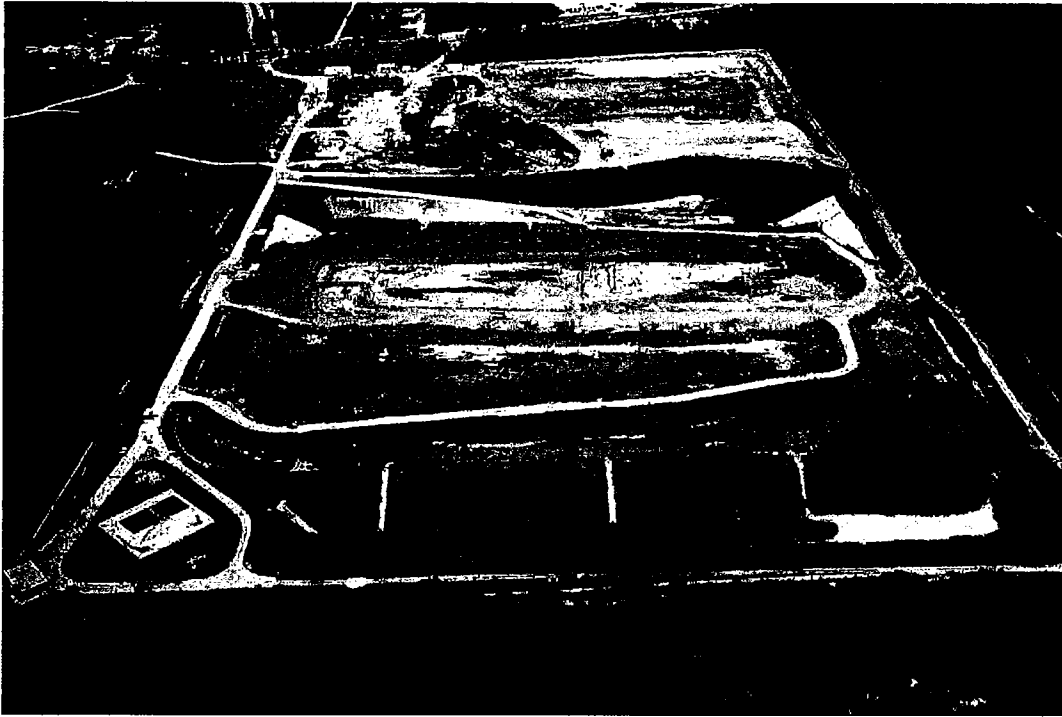
File 6



File 7



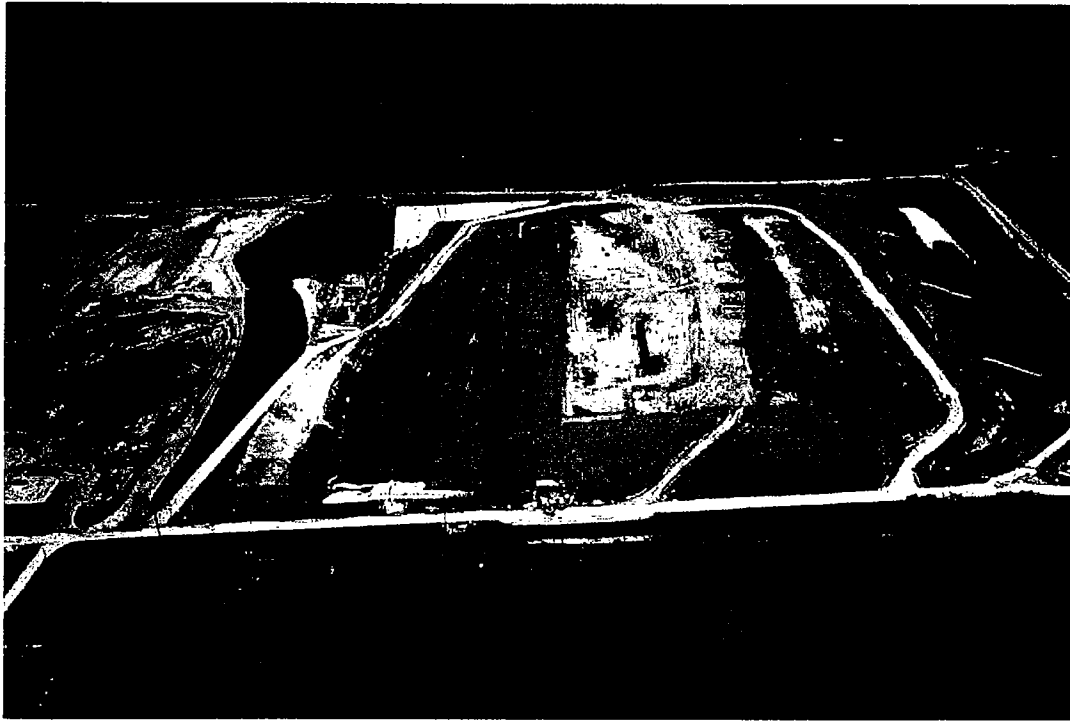
File 8



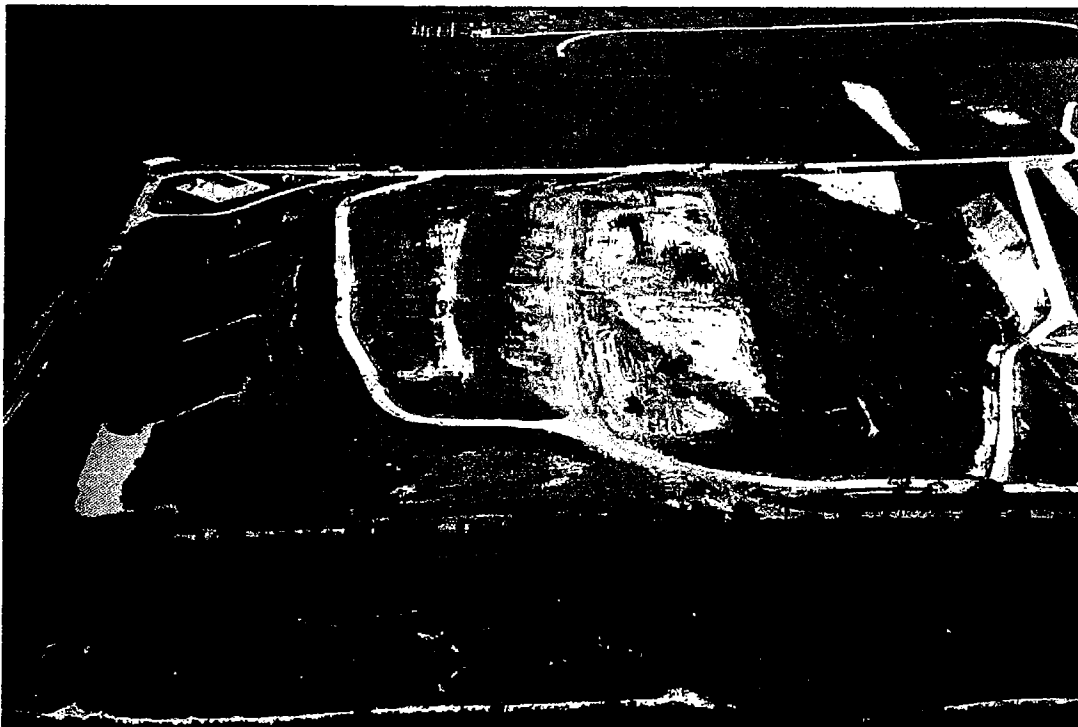
File 9



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. 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.

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

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**

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.

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.

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

<u>NAME</u>	<u>COMPANY</u>	<u>CELL PHONE</u>	<u>EMAIL</u>
Bill HEWITT	Comanco	813-434-5435	bhewitt@comanco.com
Justin ENDOSLEY	COMANCO	813-918-1441	jendasley@comanco.com
Troy Watral	Comanco	813-714-0980	twatral@comanco.com
Mike Wimer	Citrus CO Comanco	352-212-1826	Mike.Wimer@Boc.Citrus.FL.us
Casey Stephens	Citrus Co	352-302-6980	casey.stephens@boc.citrus.fl.us
Dominique Bramlett	SCS Engineers	813-417-7597	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**

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
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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
Troy Watral	813-714-0980	twatral@comanco.com
Bill Newman	813-434-5435	bnewman@comanco.com

1) **Progress Meeting #6**

a) Meeting Minutes

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.

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>	<u>COMPANY</u>	<u>CELL PHONE</u>	<u>EMAIL</u>
Casey Stephens	Citrus Co	352-302-6980	casey.stephens@boc.citrus.fl.us
Bill Newman	Comanco	813-434-5435	bnorman@comanco.com
Justin Endsley	Comanco	813-918-1441	jendsley@comanco.com
Troy Watral	Comanco	813-714-0980	twatral@comanco.com
Kurt Peterson	SCS ENGINEERS	813-220-3878	kpeterson @scsengineers.com
Dominique Bramlett	SCS engineers	813-412-7597	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 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 tandem 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

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.

<u>NAME</u>	<u>COMPANY</u>	<u>CELL PHONE</u>	<u>EMAIL</u>
Dominique Bramblett	SCS Engineers	813-417-7597	dbramblett@scsengineers.com
Justin Endsley	COMANCO	813-918-1441	jendsley@comanco.com
Bill Newman	COMANCO	813-434-5435	bnnewman@comanco.com
Kurt Peterson	SCS ENGINEERS	813-880-3898	KPETERSON@SCSENGINEERS.COM
Casey Stephens	Citrus Co.	302-527-6880	casey.stephens@boc.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	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 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**

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.

September 9, 2010, 10:00 A.M.

SIGN IN SHEET

<u>NAME</u>	<u>COMPANY</u>	<u>CELL PHONE</u>	<u>EMAIL</u>
Dominique Bramlett	SCS Engineers	813-671-0080	dbramlett@scsengineers.com
Bill Newman	Comanco	813-434-5435	bnorman@comanco.com
JUSTIN ENDSLEY	Comanco	813-918-1441	jendsley@comanco.com
Troy Watral	Comanco	813-714-0980	twatral@comanco.com
Casey Stephens	Citrus Co	352-302-6980	casey.stephense@cc-citrus.fl.us

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
1001	Monitoring Well MW-20 \$6,572.00	07/12/10	07/12/10 Comanco's email to Casey 07/30/10 requested additional information	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 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 08/20/10	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

SHOP DRAWING/SUBMITTAL LOG

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
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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

013010 Contractor Submittals

013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	MC	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
				AR	07/15/10 email
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	NE	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
013010-05A	Health and Safety Officer Documentation	01 30 10-1.01	07/16/10	NE	07/16/10 email
013010-06A	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	07/08/10 email
013010-06B	Erosion and Pollution Control Plan	01 30 10-1.01	07/29/10	NE	08/05/10 email
013010-07A	Project Work and Spec Compliance Confirmation	01 30 10-1.01	07/21/10	NE	07/21/10 email requested signed letter

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
013010-08A	Quality Control Testing Log	01 30 10-3.16	08/04/10	NE	08/11/10 email
013010-09A	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/01/10	MC	07/11/10 email
013010-09B	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/14/10	MC	07/15/10 email
013010-10A	Preconstruction Video		08/19/10	NE	08/24/10 email
015001 Field Engineering and Surveying					
015001-01A	Licensed Professional Land Surveyor	01 50 01-1.04	07/08/10	MC	07/09/10 email requesting verification of licensure
015001-01B	Licensed Professional Land Surveyor	01 50 01-1.04	07/15/10	NE	07/15/10 email
015001-02A	Survey Certifying Locations and Elevations are in Conformance with Contract Documents	01 50 01-1.04	07/28/10	AR	08/05/10 email and discussed over the phone with JE
015001-02B	Survey Certifying Locations and Elevations are in Conformance with Contract Documents	01 50 01-1.04	08/30/10	AR	09/03/10 email and discussed at construction meeting
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 Mobilization and Demobilization					
015005-01A	Required Insurance Certificates and Bonds	01 50 00-1.01			
016000 Materials and Equipment					
016000-01A	Manufacturer's Instructions on Product Delivery, Storage, and Handling	01 60 00-1.03	This is submitted with products		
025316 Leachate Collection, Detection Pump					

¹ Status

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MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
025316-01A	Manufacturer Prepared Shop Drawings	02 53 16-1.03	08/18/10	MC	08/18/10 email
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 Geosynthetic 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			
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			
025615-06A	Warranties and Warranties Conditions	02 56 15-1.05			
025615-07A	GCL Product Data Sheet	02 56 15-1.05	07/16/10	NE	07/17/10 email
025615-08A	GCL Construction Quality 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
025615-11A	GCL Roll Certifications	02 56 15-1.05	08/30/10	NE	09/01/10 email
029041 Geosynthetic Rain Tarp					
029041-01A	Manufacturer's Tests Specs, Install Instructions, and Roll Dimensions	02 90 41-1.02			
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02	08/30/10	NE	09/01/10 email
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10	NE	07/17/10 email
029041-04A	Rain Tarp Product Data Sheet	02 90 41-1.02	07/16/10	NE	07/17/10 email
160000 Electrical					

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
160000-01A	Field Testing Booklet	16 00 00-3.8			
310519 Geotextile					
310519-01A	Manufacturer's Prequalifications, Tests, Specs, Install Instructions, Roll Dimensions and Approval Form (Non-Woven Geotextile)	31 05 19-1.02	07/14/10	NE	07/17/10 email
310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02	08/18/10	NE	08/23/10 email
310519-03A	Product Data/Access Road Fabric (Woven Geotextile)	31 05 19-1.02	07/08/10 07/15/10	MC NE	07/12/10 email 07/16/10 email
310520 Triplanar Geocomposite					
310520-01A	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	07/17/10 email
310520-01B	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	08/13/10 email
310520-02A	Triplanar Prequalifications	31 05 20-1.04			
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	07/21/10 email
310520-05A	Triplanar Protection Method	31 05 20-1.04	08/04/10	NE	08/11/10 email
310520-06A	Triplanar Material Data and Specifications	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-08A	Triplanar Manufacturer's Installation Instructions	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-09A	Manufacturer's Triplanar Qualifications	31 05 20-1.04	08/12/10	NE	08/13/10 email
310520-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10	AR	08/16/10 email
310520-10B	Triplanar Geonet Resin	31 05 20-1.04	09/01/10	NE	09/01/10 email
310520-11A	Triplanar Transmissivity Test Results	31 05 20-1.04	08/12/10	NE	08/17/10 email

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
310520-12A	Triplanar MQC Production Dates and Test Results	31 05 20-1.04	08/12/10	NE	08/17/20 email
310521 Biplanar Geocomposite					
310521-01A	Biplanar Manufacturer's Experience of 5,000,000 sf	31 05 21-1.04	08/18/10	NE	08/20/10 email
310521-02A	Biplanar Prequalifications	31 05 21-1.04			
310521-03A	Biplanar Transmissivity	31 05 21-1.04			
310521-04A	Biplanar Roll Layout Drawings	31 05 21-1.04	07/13/10	NE	07/21/10 email
310521-05A	Biplanar Protection Method	31 05 21-1.04	08/18/10	NE	08/23/10 email
310521-06A	Biplanar Material Data and Specifications	31 05 21-1.04	07/14/10	NE	07/17/10 email
310521-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 21-1.04	08/18/10	NE	08/23/10 email
310521-08A	Biplanar Manufacturer's Installation Instructions	31 05 21-1.04	08/30/10	NE	09/01/10 email
310521-09A	Manufacturer's Biplanar Qualifications	31 05 21-1.04			
310521-10A	Biplanar Geonet Resin	31 05 21-1.04			
310521-11A	Biplanar Transmissivity Test Results	31 05 21-1.04	08/18/10	NE	08/25/10 email
310521-12A	Biplanar MQC Production Dates and Test Results	31 05 21-1.04			
310521-13A	Biplanar Manufacturer's Production Dates and Test Results	31 05 21-1.04	09/09/10	NE	09/13/10 email
312000 Excavation, Backfill, and Grading					
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			

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
312000-06A	Access Road Testing	31 20 00-1.04	08/02/10	Placed in 2 submittals 321216-01A and 321216-03A	
313219 Geogrid					
313219-01A	Geogrid Manufacturer's Qualifications	31 32 19-1.04	08/19/10	AR	08/23/10 email
313219-02A	Geogrid Installation Plan	31 32 19-1.04	07/22/10	NE	07/23/10 email
313219-03A	Geogrid Warranties	31 32 19-1.04	07/22/10	NE	08/02/10 email
313219-04A	Geogrid Resin Info and Quality Control Certificates	31 32 19-1.04	07/22/10	AR	08/04/10 email
313219-05A	Geogrid Manufacturer Material Info and Quality Control Certificates (Biaxial Geogrid)	31 32 19-1.04	07/22/10 8/24/10	AR NE	08/02/10 8/24/10 (see -07A)
313219-06A	Geogrid Loading, Unloading, and Storage Recommendations	31 32 19-1.04	07/19/10	NE	07/19/10 email
313219-07A	Geogrid Roll Certifications	31 32 19-1.04	08/24/10	NE	08/25/10 email
313219-08A	Geogrid Record Drawings	31 32 19-1.04			
313219-09A	Geogrid Material Data (Biaxial Geogrid)	31 32 19-1.04	07/14/10	NE	07/17/10 email
313219-10A	10XT Uniaxial Geogrid Leachate Exposure		08/09/10	RR	08/13/10 email
313219-11A	Uniaxial Geogrid	313219-1.04	08/17/10	NE	08/19/10 email
316223 Cast-In-Place Concrete					
316223-01A	Cast-In-Place Concrete Product Data	31 62 23-1.05			
321216 Asphalt Paving and Crushed Concrete					
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE	08/11/10 email
321216-02A	Certification of Limerock Source	32 12 16-1.04			
321216-03A	Composition Analysis for LBR Lab Report	32 12 16-1.04	08/04/11	NE	08/11/10 email
329000 Seeding and Sodding					

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
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	33 05 20-1.04	08/11/10	AR	08/11/10 email
330520-05A	Geomembrane Resin Info and Quality Control Certificates	33 05 20-1.04			
330520-06A	Geomembrane Manufacturer 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	33 05 20-1.04			
330520-16A	HDPE Geomembrane Product Data Sheet	33 05 20-1.04	07/16/10	NE	07/16/10 email
335110 Piping System					
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

SHOP DRAWING/SUBMITTAL LOG

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
335110-02A	Manufacturer Certification of Resin Spec Compliance	33 51 10-1.02			
335110-03A	Manufacturer Stress Regression testing	33 51 10-1.02	08/02/10	AR	08/11/10 email
335110-03B	Manufacturer Stress Regression testing	33 51 10-1.02	08/13/10	NE	08/17/10 email
335110-04A	Elbows and Fittings Details and Specs	33 51 10-1.02	08/02/10 08/20/10	AR NE	08/13/10 08/24/10
335110-05A	Flow Meter Manufacturer and 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			

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

REQUEST FOR INFORMATION LOG

Project Name: Citrus County Central Landfill
Phase 3 Expansion Project

Project No.: 09207049.06

Log Updated: 8/25/10

RFI Number	Description of RFI	Date Received	Date Returned	Comment
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[illegible]

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

Citrus County Central Landfill Phase 3 Expansion Project
Photos – August 16, 2010 to August 31, 2010
ITB 040-10



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

Citrus County Central Landfill Phase 3 Expansion Project
Photos – August 16, 2010 to August 31, 2010
ITB 040-10



File 7

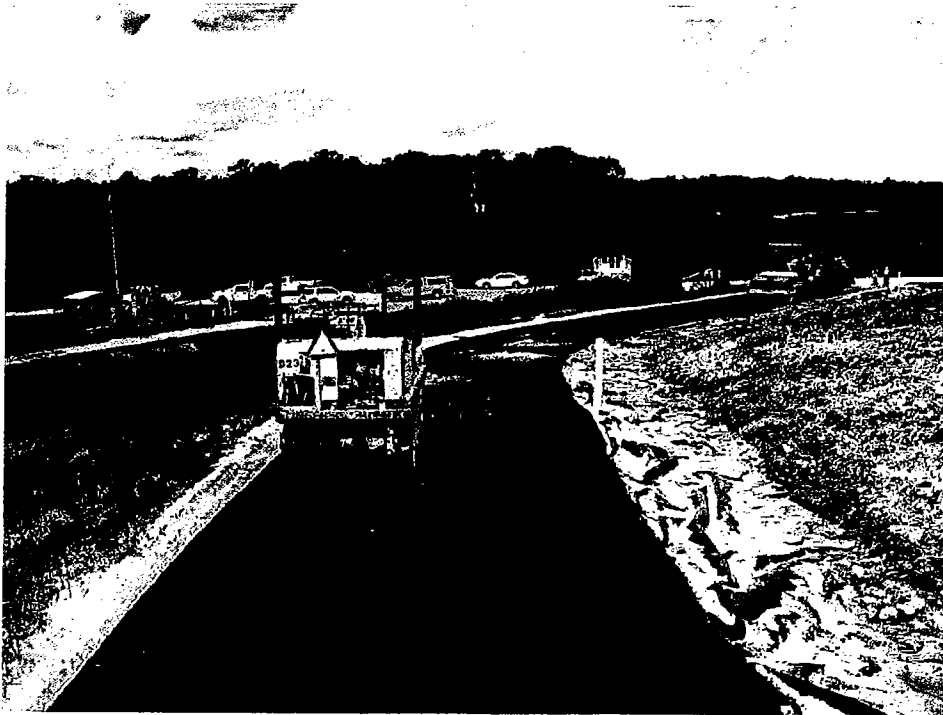


File 8

Citrus County Central Landfill Phase 3 Expansion Project
Photos – August 16, 2010 to August 31, 2010
ITB 040-10



File 9



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

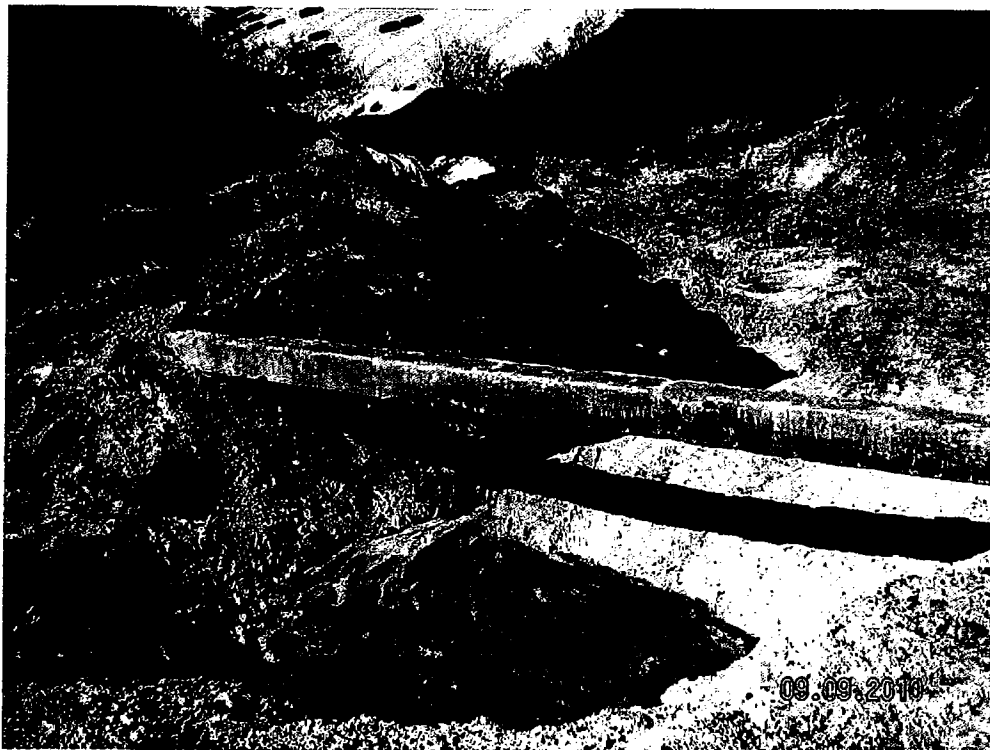
Citrus County Central Landfill Phase 3 Expansion Project
Photos – September 1, 2010 to September 15, 2010
ITB 040-10

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

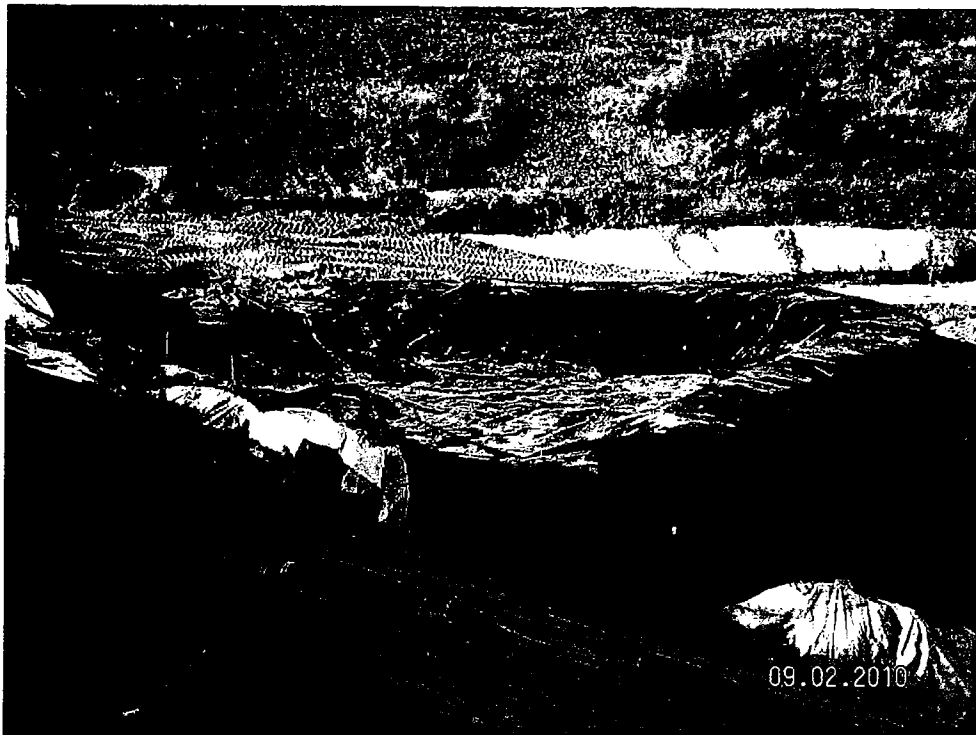
Citrus County Central Landfill Phase 3 Expansion Project
Photos – September 1, 2010 to September 15, 2010
ITB 040-10



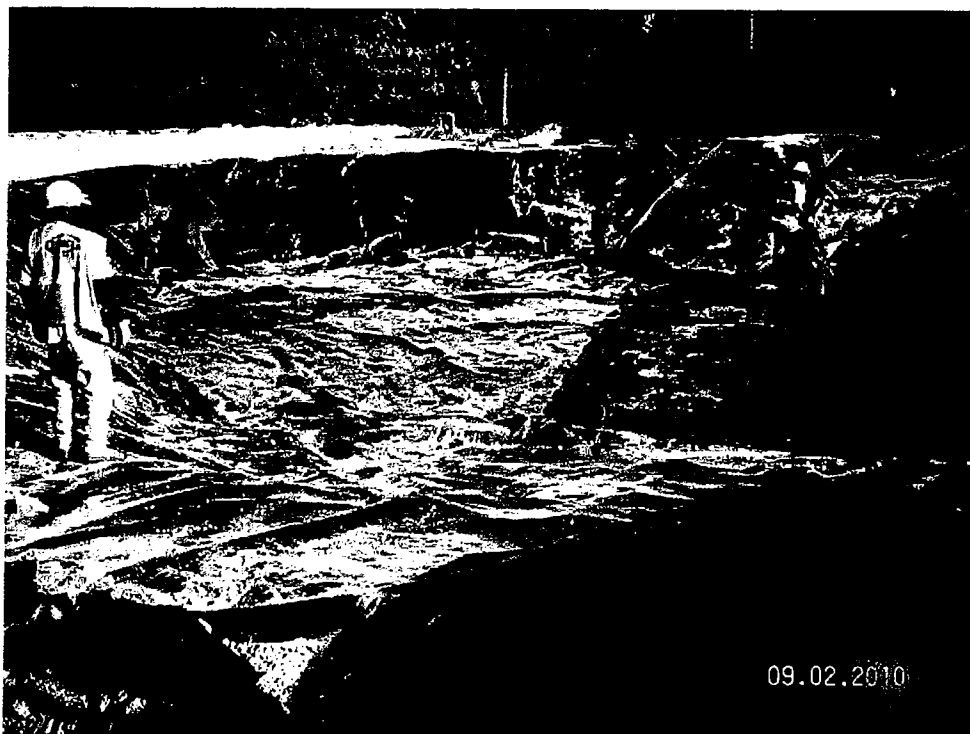
File 3



File 4



File 5



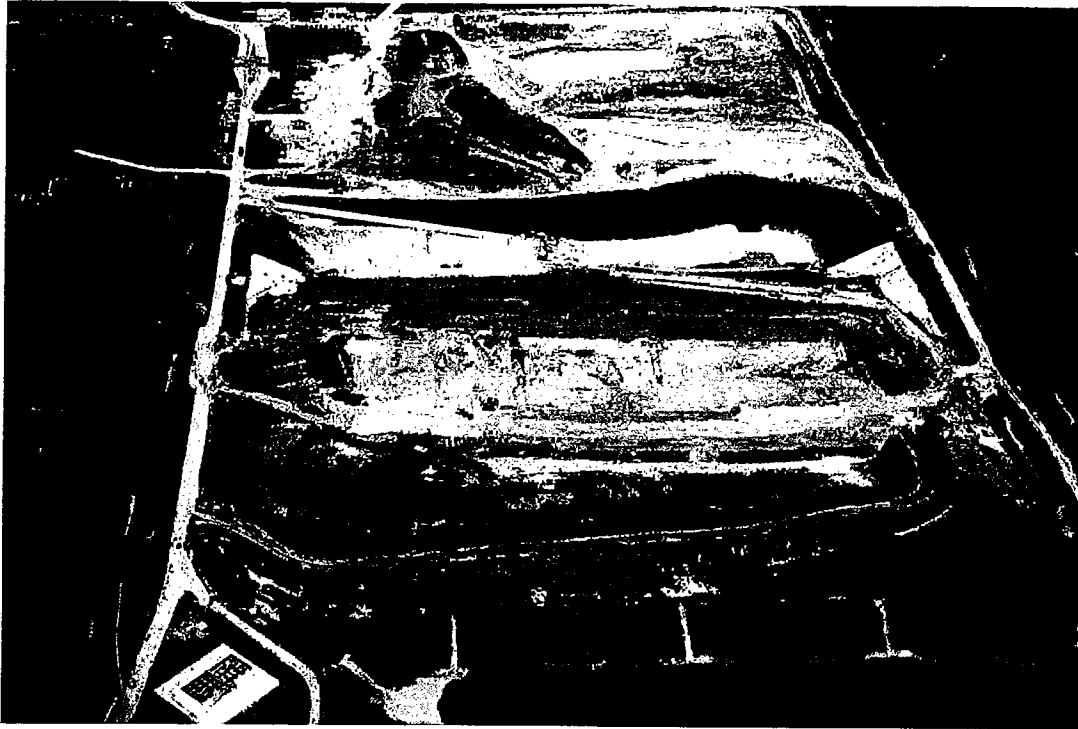
File 6



File 7



File 8



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 *DHB*
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.

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

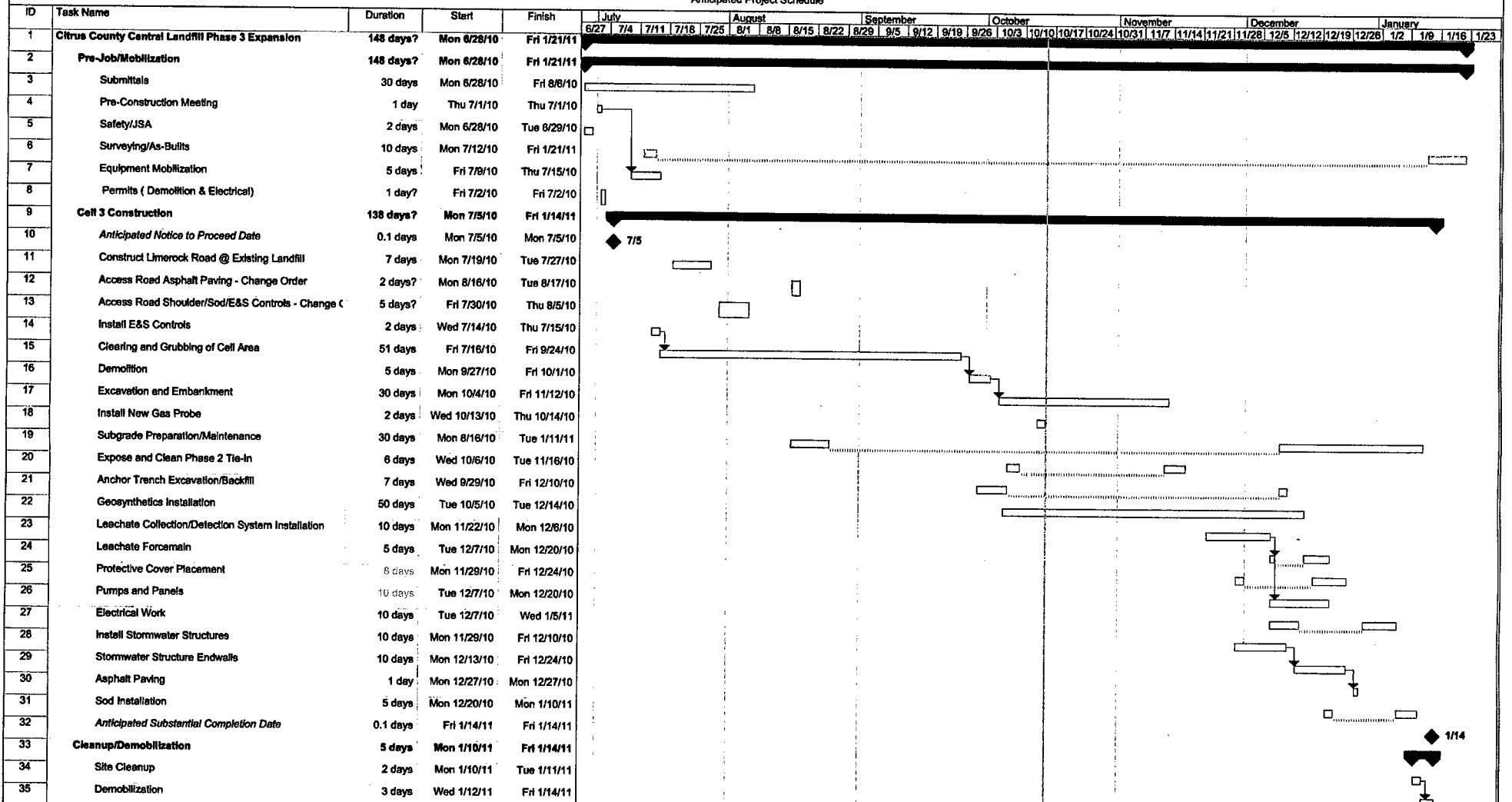
Please refer to Attachment C for photographs that are representative of the construction activities conducted during the above-mentioned reporting period.

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

ATTACHMENT A
CONSTRUCTION SCHEDULE

Citrus County Central Landfill
Lecanto, Florida
Phase 3 Expansion
Anticipated Project Schedule

Fri 10/15/10



Project: Citrus Schedule 10-15-10
Date: Fri 10/15/10

Task
Split

Progress
Milestone

Summary
Project Summary

External Tasks
External Milestone

Deadline

↓

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	casey.stephens@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

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

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

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.

<u>NAME</u>	<u>COMPANY</u>	<u>CELL PHONE</u>	<u>EMAIL</u>
Dominique Bramlett	SCS Engineers	813-621-0080	dbramlett@scsengineers.com
Bill Newman	COMANCO	813-434-5435	bnorman@comanco.com
Justin Endsley	COMANCO	813-918-1441	jendsley@comanco.com
Paul Siniboury	SCS	410-905-0266	psiniboury@scseng.com
Casey Stephens	Citrus Co	352-302-6980	casey.stephens@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

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

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 pre-construction 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.

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

<u>NAME</u>	<u>COMPANY</u>	<u>CELL PHONE</u>	<u>EMAIL</u>
<u>BILL HEWMAN</u>	<u>Comanco.</u>	<u>813-434-5435</u>	<u>bnewman@Comanco.com</u>
<u>JUSTIN ENDLEY</u>	<u>COMANCO</u>	<u>813-918-1441</u>	<u>jendsley@Comanco.com</u>
<u>Troy Watral</u>	<u>Comanco</u>	<u>813 714-0980</u>	<u>twatral@comanco.com</u>
<u>PAUL J. BOURBY</u>	<u>SES</u>	<u>410-905-0266</u>	<u>PAULBOURBY@SES.ENG.COM</u>
<u>Casey Stephens</u>	<u>Citrus Co</u>	<u>352-302-6980</u>	<u>casey.stephens@bocc.citrus.fl.us</u>
<u>Richard Neptune</u>	<u>Citrus Co.</u>	<u>352-400-1711</u>	<u>Richard.Neptune@bocc.Citrus.</u>
<u>Dominique Bramlett</u>	<u>SES <u>SES Engineers</u></u>	<u>813-417-7597</u>	<u>dbramlett@ssengineers.com</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
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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**

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

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

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.

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

<u>NAME</u>	<u>COMPANY</u>	<u>CELL PHONE</u>	<u>EMAIL</u>
Dominique Bramlett	SCS Engineers	813-417-7597	dbramlett@scsengineers.com
Casey Stephens	Citrus Co	352-302-6980	casey.stephens@co.citrus.fl.us
Bill Newman	Comanco	813-714-5435	bnorman@comanco.com
Richard Neptune	Citrus Co	352-400-1711	richard.Neptune@co.citrus.fl.us
Arnulfo Martinez	COMANCO	813-787-3779	amartinez@comanco.com
Justin Endsley	COMANCO	813-918-1441	jendsley@comanco.com
Clayton Lung	Comanco	813-714-2256	CLung@comanco.com
PAUL SIRIBOUAY	SCS	410-905-0266	psiribouay@scsengineers.com
Troy Watral	Comanco	813 714-0980	twatral@comanco.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	dbramlett@scsengineers.com
--------------------	--------------	--

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)

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

- 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.

October 7, 2010, 10:00 A.M.

SIGN IN SHEET

<u>NAME</u>	<u>COMPANY</u>	<u>CELL PHONE</u>	<u>EMAIL</u>
Dominique Bramblett	SCS Engineers	813-417-7597	dbramblett@seseengineers.com
JUSTIN ENDLEY	Comanco	813-918-1441	jendley@comanco.com
NICK BRIDGES	Comanco	813-323-3651	nbridges@comanco.com
Bill Newman	Comanco	813-434-4354	bnorman@comanco.com
CARMEN BRUNO	CITRUS COUNTY	352 527 7670	CARMEN.BRUNO@BOCC.CITRUS.FL.US

SHOP DRAWING/SUBMITTAL LOG

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
------------------	-------------	-------------------------	---------------	---------------------	---------------

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
013010 Contractor Submittals					
013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	MC	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
				AR	07/15/10 email
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	NE	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
013010-05A	Health and Safety Officer Documentation	01 30 10-1.01	07/16/10	NE	07/16/10 email
013010-06A	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	07/08/10 email
013010-06B	Erosion and Pollution Control Plan	01 30 10-1.01	07/29/10	NE	08/05/10 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

SHOP DRAWING/SUBMITTAL LOG

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
	Compliance Confirmation				email requested signed letter
013010-08A	Quality Control Testing Log	01 30 10-3.16	08/04/10	NE	08/11/10 email
013010-09A	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/01/10	MC	07/11/10 email
013010-09B	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/14/10	MC	07/15/10 email
013010-10A	Preconstruction Video		08/19/10	NE	08/24/10 email
013010-11A	Dewatering Plan		09/29/10	NE	10/01/10 email
015001 Field Engineering and Surveying					
015001-01A	Licensed Professional Land Surveyor	01 50 01-1.04	07/08/10	MC	07/09/10 email requesting verification of licensure
015001-01B	Licensed Professional Land Surveyor	01 50 01-1.04	07/15/10	NE	07/15/10 email
015001-02A	Survey Certifying Locations and Elevations are in Conformance with Contract Documents	01 50 01-1.04	07/28/10	AR	08/05/10 email and discussed over the phone with JE
015001-02B	Survey Certifying Locations and Elevations are in Conformance with Contract Documents	01 50 01-1.04	08/30/10	AR	09/03/10 email and discussed at construction meeting
015001-02C	Initial Survey As-builts	01 50 01-1.04	09/09/10	NE	09/21/10 email
015001-03A	Record Drawings (As-Builts) Part 1	01 50 01-1.04	10/01/10	NE	10/03/10 email
015001-03B	Record Drawings (As-Builts) Part 2	01 50 01-1.04	10/06/10	NE	10/08/10 email
015001-03C	Record Drawings (As-Builts) Part 3	01 50 01-1.04	10/08/10	NE	10/08/10 email

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
015001-04A	Field Surveyor's Log signed and Sealed (Copies)	01 50 01-1.04			
015005 Mobilization and Demobilization					
015005-01A	Required Insurance Certificates and Bonds	01 50 00-1.01			
016000 Materials and Equipment					
016000-01A	Manufacturer's Instructions on Product Delivery, Storage, and Handling	01 60 00-1.03	This is submitted with products		
025316 Leachate 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 Geosynthetic 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	02 56 15-1.05			
025615-06A	Warranties and Warranties Conditions	02 56 15-1.05			
025615-07A	GCL Product Data Sheet	02 56 15-1.05	07/16/10	NE	07/17/10 email
025615-08A	GCL Construction Quality 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

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RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
025615-11A	GCL Roll Certifications	02 56 15-1.05	08/30/10	NE	09/01/10 email
029041 Geosynthetic Rain Tarp					
029041-01A	Manufacturer's Tests Specs, Install Instructions, and Roll Dimensions	02 90 41-1.02			
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02	08/30/10	NE	09/01/10 email
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10	NE	07/17/10 email
029041-04A	Rain Tarp Product Data Sheet	02 90 41-1.02	07/16/10	NE	07/17/10 email
160000 Electrical					
160000-01A	Field Testing Booklet	16 00 00-3.8			
310519 Geotextile					
310519-01A	Manufacturer's Prequalifications, Tests, Specs, Install Instructions, Roll Dimensions and Approval Form (Non-Woven Geotextile)	31 05 19-1.02	07/14/10	NE	07/17/10 email
310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02	08/18/10	NE	08/23/10 email
310519-03A	Product Data/Access Road Fabric (Woven Geotextile)	31 05 19-1.02	07/08/10 07/15/10	MC NE	07/12/10 email 07/16/10 email
310520 Triplanar Geocomposite					
310520-01A	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	07/17/10 email
310520-01B	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	08/13/10 email
310520-02A	Triplanar Prequalifications	31 05 20-1.04			
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	07/21/10 email
310520-05A	Triplanar Protection Method	31 05 20-1.04	08/04/10	NE	08/11/10 email

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SHOP DRAWING/SUBMITTAL LOG

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
310520-06A	Triplanar Material Data and Specifications	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-08A	Triplanar Manufacturer's Installation Instructions	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-09A	Manufacturer's Triplanar Qualifications	31 05 20-1.04	08/12/10	NE	08/13/10 email
310520-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10	AR	08/16/10 email
310520-10B	Triplanar Geonet Resin	31 05 20-1.04	09/01/10	NE	09/01/10 email
310520-11A	Triplanar Transmissivity Test Results	31 05 20-1.04	08/12/10	NE	08/17/10 email
310520-12A	Triplanar MQC Production Dates and Test Results	31 05 20-1.04	08/12/10	NE	08/17/20 email
310520-13A	Tri-planar Production Dates and Tests Results (Batches 3 & 4)	31 05 20-1.04	09/22/10	NE	09/27/10 email
310521 Biplanar Geocomposite					
310521-01A	Biplanar Manufacturer's Experience of 5,000,000 sf	31 05 21-1.04	08/18/10	NE	08/20/10 email
310521-02A	Biplanar Pregualifications	31 05 21-1.04			
310521-03A	Biplanar Transmissivity	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-04A	Biplanar Roll Layout Drawings	31 05 21-1.04	07/13/10	NE	07/21/10 email
310521-05A	Biplanar Protection Method	31 05 21-1.04	08/18/10	NE	08/23/10 email
310521-06A	Biplanar Material Data and Specifications	31 05 21-1.04	07/14/10	NE	07/17/10 email
310521-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 21-1.04	08/18/10	NE	08/23/10 email
310521-08A	Biplanar Manufacturer's Installation Instructions	31 05 21-1.04	08/30/10	NE	09/01/10 email
310521-09A	Manufacturer's Biplanar Qualifications	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-10A	Biplanar Geonet Resin	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-11A	Biplanar Transmissivity Test Results	31 05 21-1.04	08/18/10	NE	08/25/10 email

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SHOP DRAWING/SUBMITTAL LOG

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
310521-12A	Biplanar MQC Production Dates and Test Results	31 05 21-1.04			
310521-13A	Biplanar Manufacturer's Production Dates and Test Results	31 05 21-1.04	09/09/10	NE	09/13/10 email
312000 Excavation, Backfill, and Grading					
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			
312000-06A	Access Road Testing	31 20 00-1.04	08/02/10	Placed in 2 submittals 321216-01A and 321216-03A	
312000-07A	OSHA Regulations		09/27/10		
313219 Geogrid					
313219-01A	Geogrid Manufacturer's Qualifications	31 32 19-1.04	08/19/10	AR	08/23/10 email
313219-01B	Geogrid Manufacturer's Qualifications	31 32 19-1.04	09/14/10	AR	09/14/10 email
313219-02A	Geogrid Installation Plan	31 32 19-1.04	07/22/10	NE	07/23/10 email
313219-03A	Geogrid Warranties	31 32 19-1.04	07/22/10	NE	08/02/10 email
313219-04A	Geogrid Resin Info and Quality Control Certificates	31 32 19-1.04	07/22/10	AR	08/04/10 email
313219-05A	Geogrid Manufacturer Material Info and Quality Control Certificates (Biaxial Geogrid)	31 32 19-1.04	07/22/10 8/24/10	AR NE	08/02/10 8/24/10 (see -07A)
313219-06A	Geogrid Loading, Unloading, and Storage Recommendations	31 32 19-1.04	07/19/10	NE	07/19/10 email
313219-07A	Geogrid Roll Certifications (Biaxial Geogrid)	31 32 19-1.04	08/24/10	NE	08/25/10 email
313219-08A	Geogrid Record Drawings	31 32 19-1.04			

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SHOP DRAWING/SUBMITTAL LOG

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
313219-09A	Geogrid Material Data (Biaxial Geogrid)	31 32 19-1.04	07/14/10	NE	07/17/10 email
313219-10A	10XT Uniaxial Geogrid Leachate Exposure		08/09/10	RR	08/13/10 email
313219-11A	Uniaxial Geogrid	313219-1.04	08/17/10	NE	08/19/10 email
316223 Cast-In-Place Concrete					
316223-01A	Cast-In-Place Concrete Product Data	31 62 23-1.05			
321216 Asphalt Paving and Crushed Concrete					
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE	08/11/10 email
321216-02A	Certification of Limerock Source	32 12 16-1.04			
321216-03A	Composition Analysis for LBR Lab Report	32 12 16-1.04	08/04/11	NE	08/11/10 email
329000 Seeding and Sodding					
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	33 05 20-1.04	08/11/10	AR	08/11/10 email
330520-04B	Material Warranty	33 05 20-1.04	09/14/10	NE	09/14/10 email
330520-05A	Geomembrane Resin Info and Quality Control Certificates	33 05 20-1.04	09/27/10	NE	10/01/10 email
330520-06B	Continuation of Material QC Certificates	33 05 20-1.04	09/29/10	NE	10/01/10 email
330520-05B	Continuation of Resin QC Certificate	33 05 20-1.04	09/29/10	NE	10/01/10 email
330520-06A	Geomembrane Manufacturer Material Info and Quality Control Certificates	33 05 20-1.04	09/27/10	NE	10/01/10 email

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SHOP DRAWING/SUBMITTAL LOG

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
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	09/27/10	NE	10/01/10 email
330520-09B	Continuation of List Correlating QC	33 05 20-1.04	09/29/10	NE	10/01/10 email
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	33 05 20-1.04			
330520-16A	HDPE Geomembrane Product Data Sheet	33 05 20-1.04	07/16/10	NE	07/16/10 email
335110 Piping System					
335110-01A	Piping Material Suppliers Certifications and Recommendations	33 51 10-1.02			
335110-02A	Manufacturer Certification of Resin Spec Compliance	33 51 10-1.02			
335110-03A	Manufacturer Stress Regression testing	33 51 10-1.02	08/02/10	AR	08/11/10 email
335110-03B	Manufacturer Stress Regression testing	33 51 10-1.02	08/13/10	NE	08/17/10 email
335110-04A	Elbows and Fittings Details and Specs	33 51 10-1.02	08/02/10 08/20/10	AR NE	08/13/10 08/24/10
335110-05A	Flow Meter Manufacturer and 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			

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SHOP DRAWING/SUBMITTAL LOG

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			

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ATTACHMENT C

CONSTRUCTION PHOTOGRAPHS
DURING REPORTING PERIOD

Citrus County Central Landfill Phase 3 Expansion Project
 Photos – October 1, 2010 to October 15, 2010
 ITB 040-10

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

Citrus County Central Landfill Phase 3 Expansion Project
Photos – October 1, 2010 to October 15, 2010
ITB 040-10

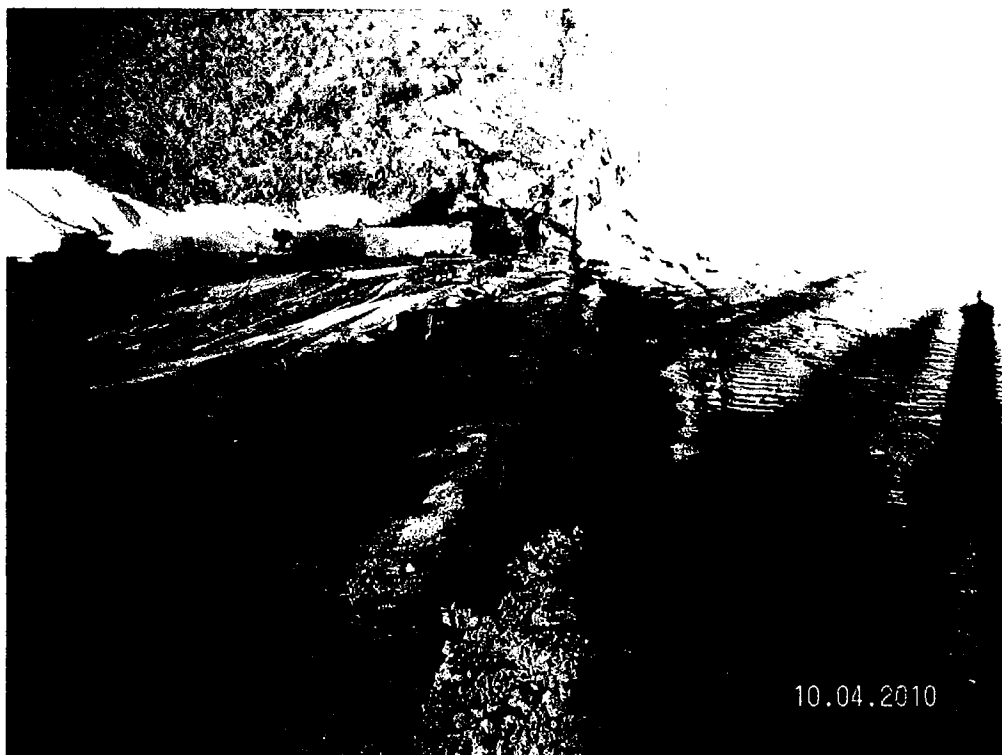


File 1



File 2

Citrus County Central Landfill Phase 3 Expansion Project
Photos – October 1, 2010 to October 15, 2010
ITB 040-10



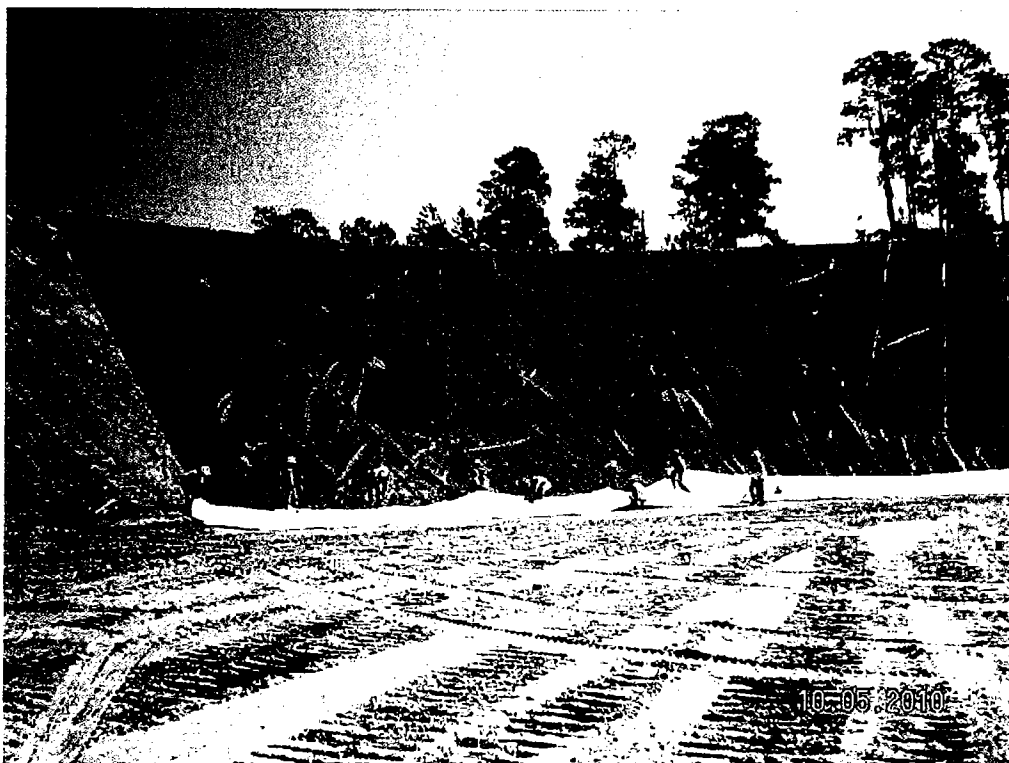
File 3



File 4



File 5



File 6

Citrus County Central Landfill Phase 3 Expansion Project
Photos – October 1, 2010 to October 15, 2010
ITB 040-10



File 7



File 8



File 9



File 10



File 11



File 12

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.

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

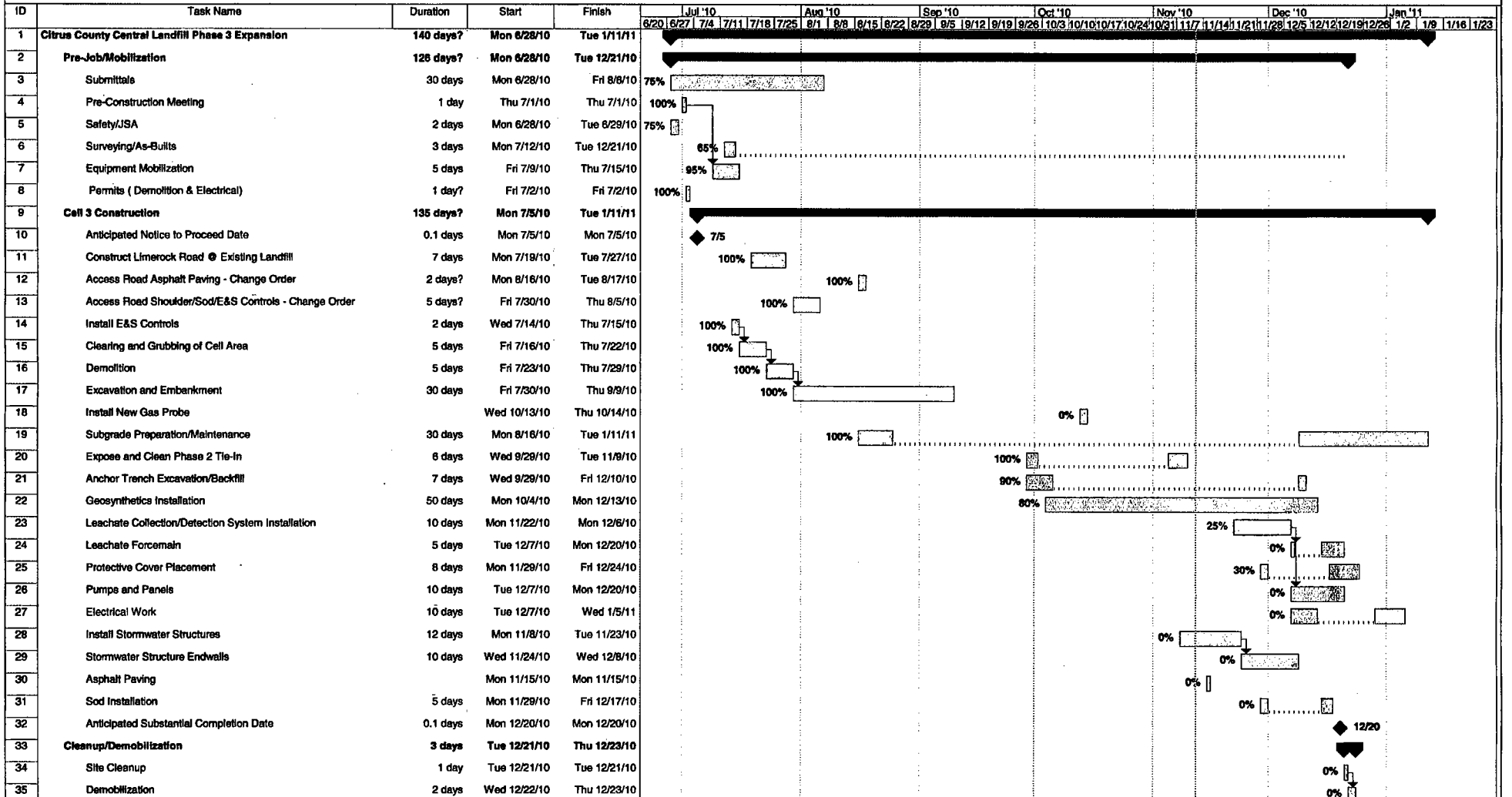
Page 3

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



Project: Citrus Preliminary Schedule J
Date: Fri 11/12/10

Task
Split

Progress

Summary

Project Summary

External Tasks

External Milestone

Deadline

ATTACHMENT B

**WEEKLY CONSTRUCTION PROGRESS MEETING
SUMMARY REPORTS AND CONSTRUCTION SUBMITTAL LOGS**

SHOP DRAWING/SUBMITTAL LOG

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
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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

013010 Contractor Submittals

013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	MC	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
				AR	07/15/10 email
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	NE	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
013010-05A	Health and Safety Officer Documentation	01 30 10-1.01	07/16/10	NE	07/16/10 email
013010-06A	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	07/08/10 email
013010-06B	Erosion and Pollution Control Plan	01 30 10-1.01	07/29/10	NE	08/05/10 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
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MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
	Compliance Confirmation				email requested signed letter
013010-08A	Quality Control Testing Log	01 30 10-3.16	08/04/10	NE	08/11/10 email
013010-09A	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/01/10	MC	07/11/10 email
013010-09B	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/14/10	MC	07/15/10 email
013010-10A	Preconstruction Video	01 30 10-1.01	08/19/10	NE	08/24/10 email
013010-11A	Dewatering Plan	01 30 10-1.01	09/29/10	NE	10/01/10 email
015001 Field Engineering and Surveying					
015001-01A	Licensed Professional Land Surveyor	01 50 01-1.04	07/08/10	MC	07/09/10 email requesting verification of licensure
015001-01B	Licensed Professional Land Surveyor	01 50 01-1.04	07/15/10	NE	07/15/10 email
015001-02A	Survey Certifying Locations and Elevations are in Conformance with Contract Documents	01 50 01-1.04	07/28/10	AR	08/05/10 email and discussed over the phone with JE
015001-02B	Survey Certifying Locations and Elevations are in Conformance with Contract Documents	01 50 01-1.04	08/30/10	AR	09/03/10 email and discussed at construction meeting
015001-02C	Initial Survey As-builts	01 50 01-1.04	09/09/10	NE	09/21/10 email
015001-03A	Record Drawings (As-Builts) Part 1	01 50 01-1.04	10/01/10	NE	10/03/10 email
015001-03B	Record Drawings (As-Builts) Part 2	01 50 01-1.04	10/06/10	NE	10/08/10 email
015001-03C	Record Drawings (As-Builts) Part 3	01 50 01-1.04	10/08/10	NE	10/08/10 email

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
015001-03D	Record Drawings (As-Builts) Part 4	01 50 01-1.04	10/18/10 10/22/10	MC NE	10/18/10 email
015001-03E	Record Drawings (As-Builts) Part 5	01 50 01-1.04	10/22/10	NE	10/22/10 email
015001-03F	Record Drawings (As-Builts) Part 6	01 50 01-1.04	10/25/10	NE	10/25/10 email
015001-03G	Record Drawings (As-Builts) Part 7	01 50 01-1.04	10/29/10	MC	11/11/10 email
015001-04A	Field Surveyor's Log signed and Sealed (Copies)	01 50 01-1.04			
015005 Mobilization and Demobilization					
015005-01A	Required Insurance Certificates and Bonds	01 50 00-1.01			
016000 Materials and Equipment					
016000-01A	Manufacturer's Instructions on Product Delivery, Storage, and Handling	01 60 00-1.03	This is submitted with products		
025316 Leachate 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 Geosynthetic 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	NE	
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			
025615-06A	Warranties and Warranties Conditions	02 56 15-1.05			

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
025615-07A	GCL Product Data Sheet	02 56 15-1.05	07/16/10	NE	07/17/10 email
025615-08A	GCL Construction Quality 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
025615-11A	GCL Roll Certifications	02 56 15-1.05	08/30/10	NE	09/01/10 email
029041 Geosynthetic Rain Tarp					
029041-01A	Manufacturer's Tests Specs, Install Instructions, and Roll Dimensions	02 90 41-1.02			
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02	08/30/10	NE	09/01/10 email
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10	NE	07/17/10 email
029041-04A	Rain Tarp Product Data Sheet	02 90 41-1.02	07/16/10	NE	07/17/10 email
029041-05A	Geosynthetic Rain Tarp Layout - Revised	02 90 41-1.02	11/08/10	NE	11/08/10 email
160000 Electrical					
160000-01A	Field Testing Booklet	16 00 00-3.8			
310519 Geotextile					
310519-01A	Manufacturer's Prequalifications, Tests, Specs, Install Instructions, Roll Dimensions and Approval Form (Non-Woven Geotextile)	31 05 19-1.02	07/14/10	NE	07/17/10 email
310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02	08/18/10	NE	08/23/10 email
310519-03A	Product Data/Access Road Fabric (Woven Geotextile)	31 05 19-1.02	07/08/10 07/15/10	MC NE	07/12/10 email 07/16/10 email
310520 Triplanar Geocomposite					
310520-01A	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	07/17/10 email

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
310520-01B	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	08/13/10 email
310520-02A	Triplanar Prequalifications	31 05 20-1.04			
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	07/21/10 email
310520-05A	Triplanar Protection Method	31 05 20-1.04	08/04/10	NE	08/11/10 email
310520-06A	Triplanar Material Data and Specifications	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-08A	Triplanar Manufacturer's Installation Instructions	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-09A	Manufacturer's Triplanar Qualifications	31 05 20-1.04	08/12/10	NE	08/13/10 email
310520-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10	AR	08/16/10 email
310520-10B	Triplanar Geonet Resin	31 05 20-1.04	09/01/10	NE	09/01/10 email
310520-11A	Triplanar Transmissivity Test Results	31 05 20-1.04	08/12/10	NE	08/17/10 email
310520-12A	Triplanar MQC Production Dates and Test Results	31 05 20-1.04	08/12/10	NE	08/17/20 email
310520-13A	Tri-planar Production Dates and Tests Results (Batches 3 & 4)	31 05 20-1.04	09/22/10	NE	09/27/10 email
310521 Biplanar Geocomposite					
310521-01A	Biplanar Manufacturer's Experience of 5,000,000 sf	31 05 21-1.04	08/18/10	NE	08/20/10 email
310521-02A	Biplanar Prequalifications	31 05 21-1.04			
310521-03A	Biplanar Transmissivity	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-04A	Biplanar Roll Layout Drawings	31 05 21-1.04	07/13/10	NE	07/21/10 email
310521-05A	Biplanar Protection Method	31 05 21-1.04	08/18/10	NE	08/23/10 email
310521-06A	Biplanar Material Data and Specifications	31 05 21-1.04	07/14/10	NE	07/17/10 email

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
310521-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 21-1.04	08/18/10	NE	08/23/10 email
310521-08A	Biplanar Manufacturer's Installation Instructions	31 05 21-1.04	08/30/10	NE	09/01/10 email
310521-09A	Manufacturer's Biplanar Qualifications	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-10A	Biplanar Geonet Resin	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-11A	Biplanar Transmissivity Test Results	31 05 21-1.04	08/18/10	NE	08/25/10 email
310521-12A	Biplanar MQC Production Dates and Test Results	31 05 21-1.04			
310521-13A	Biplanar Manufacturer's Production Dates and Test Results	31 05 21-1.04	09/09/10	NE	09/13/10 email
312000 Excavation, Backfill, and Grading					
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			
312000-06A	Access Road Testing	31 20 00-1.04	08/02/10	Placed in 2 submittals 321216-01A and 321216-03A	
312000-07A	OSHA Regulations		09/27/10	NE	
313219 Geogrid					
313219-01A	Geogrid Manufacturer's Qualifications	31 32 19-1.04	08/19/10	AR	08/23/10 email
313219-01B	Geogrid Manufacturer's Qualifications	31 32 19-1.04	09/14/10	AR	09/14/10 email
313219-02A	Geogrid Installation Plan	31 32 19-1.04	07/22/10	NE	07/23/10 email
313219-03A	Geogrid Warranties	31 32 19-1.04	07/22/10	NE	08/02/10 email
313219-04A	Geogrid Resin Info and Quality Control Certificates	31 32 19-1.04	07/22/10	AR	08/04/10 email

¹ Status

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RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
313219-05A	Geogrid Manufacturer Material Info and Quality Control Certificates (Biaxial Geogrid)	31 32 19-1.04	07/22/10 8/24/10	AR NE	08/02/10 8/24/10 (see -07A)
313219-06A	Geogrid Loading, Unloading, and Storage Recommendations	31 32 19-1.04	07/19/10	NE	07/19/10 email
313219-07A	Geogrid Roll Certifications (Biaxial Geogrid)	31 32 19-1.04	08/24/10	NE	08/25/10 email
313219-08A	Geogrid Record Drawings	31 32 19-1.04			
313219-09A	Geogrid Material Data (Biaxial Geogrid)	31 32 19-1.04	07/14/10	NE	07/17/10 email
313219-10A	10XT Uniaxial Geogrid Leachate Exposure		08/09/10	RR	08/13/10 email
313219-11A	Uniaxial Geogrid	313219-1.04	08/17/10	NE	08/19/10 email
313219-12A	Uniaxial (22XT) Roll Certifications (15 Rolls)	313219-1.04	10/15/10	NE	10/15/10 email
316223 Cast-In-Place Concrete					
316223-01A	Cast-In-Place Concrete Product Data	31 62 23-1.05			
321216 Asphalt Paving and Crushed Concrete					
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE	08/11/10 email
321216-02A	Certification of Limerock Source	32 12 16-1.04			
321216-03A	Composition Analysis for LBR Lab Report	32 12 16-1.04	08/04/11	NE	08/11/10 email
329000 Seeding and Sodding					
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	33 05 20-1.04	08/11/10	AR	08/11/10 email

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
330520-04B	Material Warranty	33 05 20-1.04	09/14/10	NE	09/14/10 email
330520-05A	Geomembrane Resin Info and Quality Control Certificates	33 05 20-1.04	09/27/10	NE	10/01/10 email
330520-06B	Continuation of Material QC Certificates	33 05 20-1.04	09/29/10	NE	10/01/10 email
330520-05B	Continuation of Resin QC Certificate	33 05 20-1.04	09/29/10	NE	10/01/10 email
330520-06A	Geomembrane Manufacturer Material Info and Quality Control Certificates	33 05 20-1.04	09/27/10	NE	10/01/10 email
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	09/27/10	NE	10/01/10 email
330520-09B	Continuation of List Correlating QC	33 05 20-1.04	09/29/10	NE	10/01/10 email
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	33 05 20-1.04			
330520-16A	HDPE Geomembrane Product Data Sheet	33 05 20-1.04	07/16/10	NE	07/16/10 email
335110 Piping System					
335110-01A	Piping Material Suppliers Certifications and Recommendations	33 51 10-1.02			
335110-02A	Manufacturer Certification of Resin Spec Compliance	33 51 10-1.02			
335110-03A	Manufacturer Stress Regression testing	33 51 10-1.02	08/02/10	AR	08/11/10 email

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
335110-03B	Manufacturer Stress Regression testing	33 51 10-1.02	08/13/10	NE	08/17/10 email
335110-04A	Elbows and Fittings Details and Specs	33 51 10-1.02	08/02/10 08/20/10	AR NE	08/13/10 08/24/10
335110-05A	Flow Meter Manufacturer and 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		

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

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	dbramlett@scsengineers.com
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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

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.

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.

[illegible]



**Cardno
TBE**

Shaping the Future

SUBJECT: COMANCO Citrus Central Landfill (Phase 3)

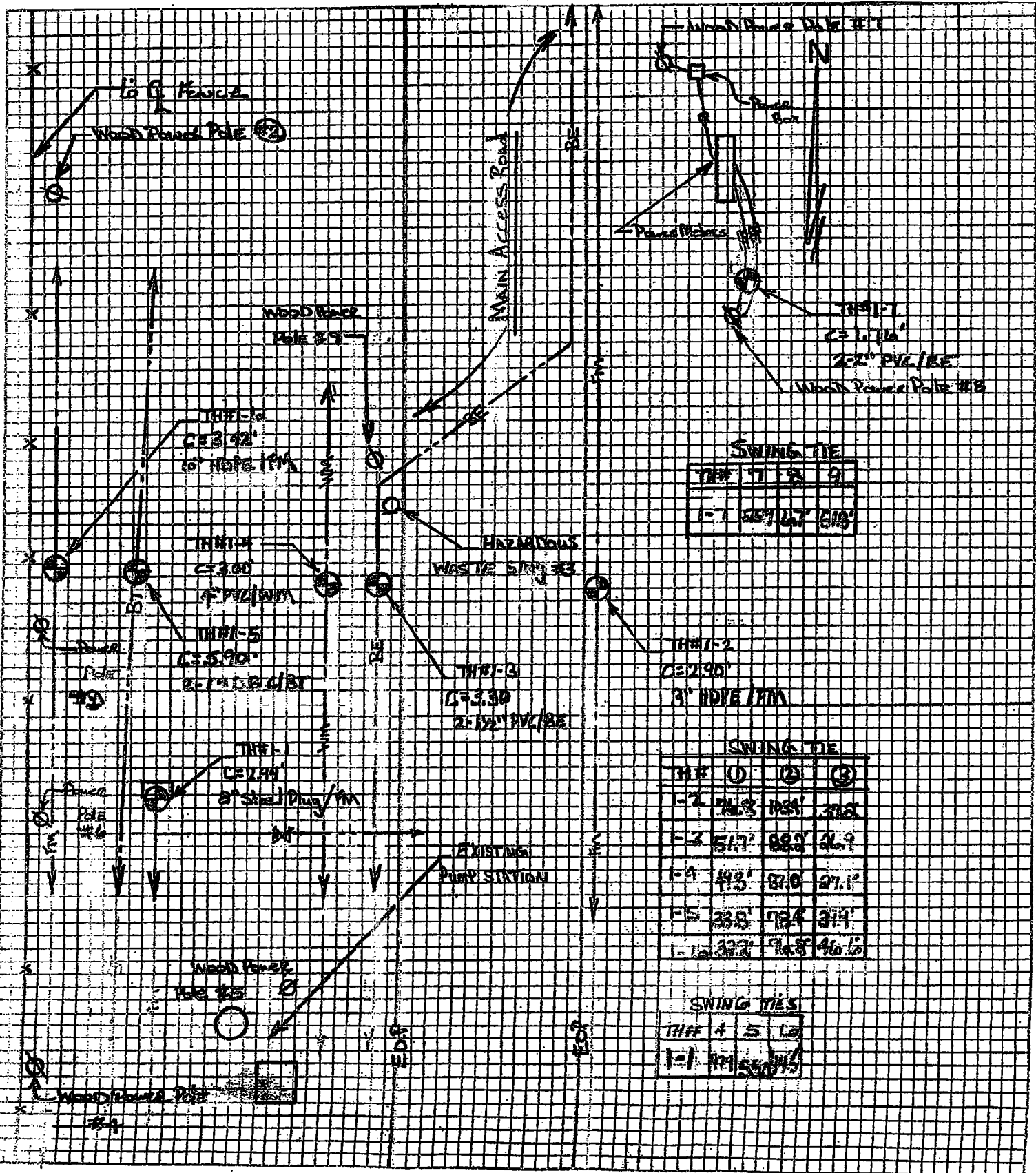
COMP. BY: M. Albanese

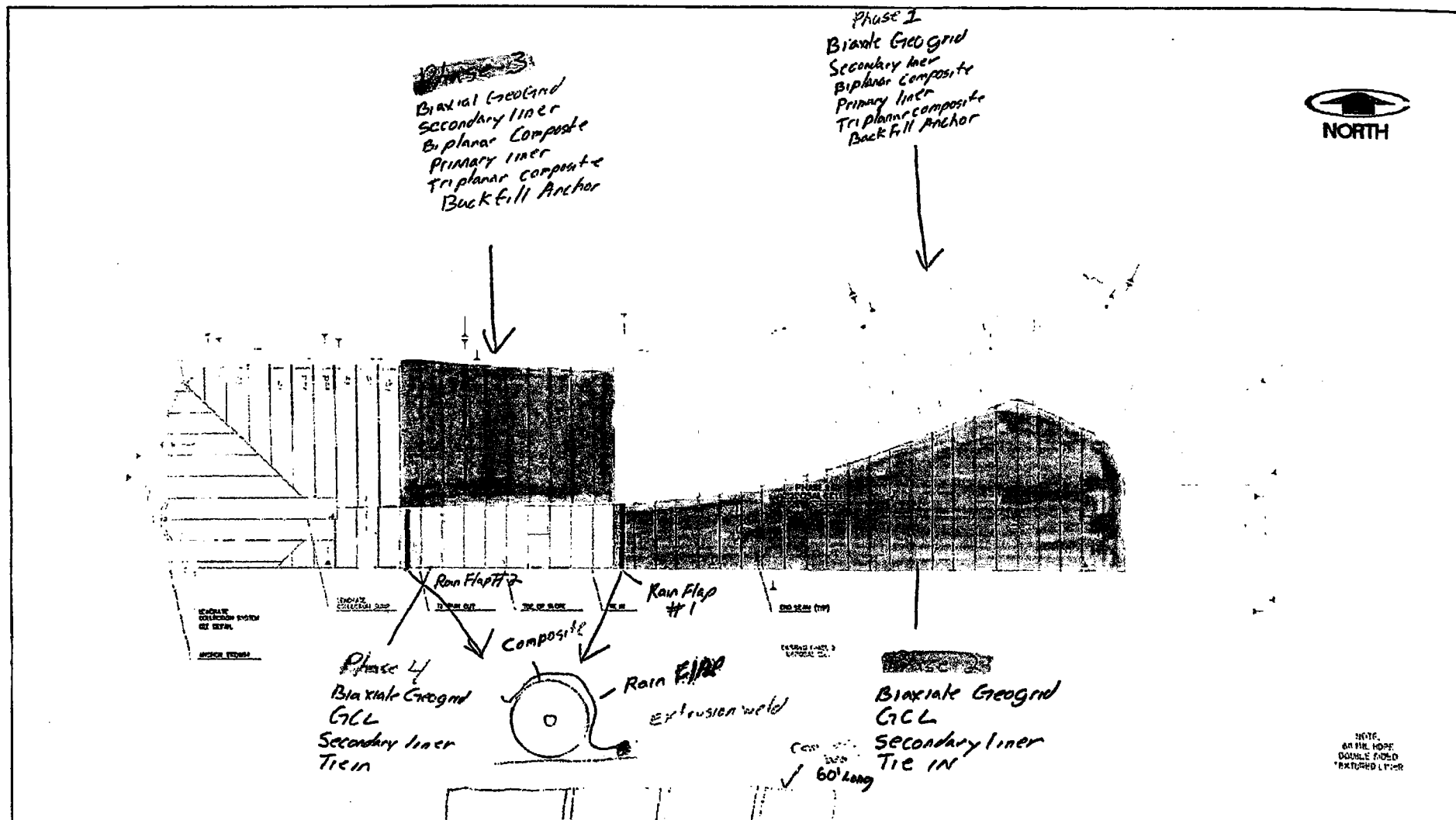
CHK. BY: _____


DATE: 10-12-10

SHEET NO: 1 of 1

PROJ. NO: 00473-001.00





REVISIONS	CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT SECONDARY LAYER PROPOSED PANEL PLACEMENT	CITRUS COUNTY SOLID WASTE MANAGMENT DIVISION CITRUS COUNTY,FLORIDA	NOTE THIS PROPOSED PANEL LAYOUT IS FOR GENERAL CONSTRUCTION PURPOSES ONLY. ACTUAL PANEL LAYOUT MAY VARY WITH CONSTRUCTION CONDITIONS. FIELD EXISTING L.E. CONSTRUCTION SHOWN FOR PRELIMINARY PURPOSES. SEE MEETING MINUTES, COMMENTS & MEETING AREA, 5-20-04 FOR DETAILS.	 4301 STERLING COMMERCE DR. PLANT CITY, FL 33566-7372 TELEPHONE: (813) 988-8829 ENVIRONMENTAL CORPORATION FAX: (813) 498-7305	DESIGNED BY: WDS	CHECKED BY: JE	DWG. NO. 1
					DATE: 7-8-10	APPROVED BY: CL	
					PLOT SCALE: 1" = 40'	FILE NAME: CITRUS COUNTY PHASE 3 EXPANSION	
					PROJECT NO: 07104101		

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	casey.stephens@bocc.citrus.fl.us
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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
Bill Newman	813-434-5435	bnewman@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.

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**

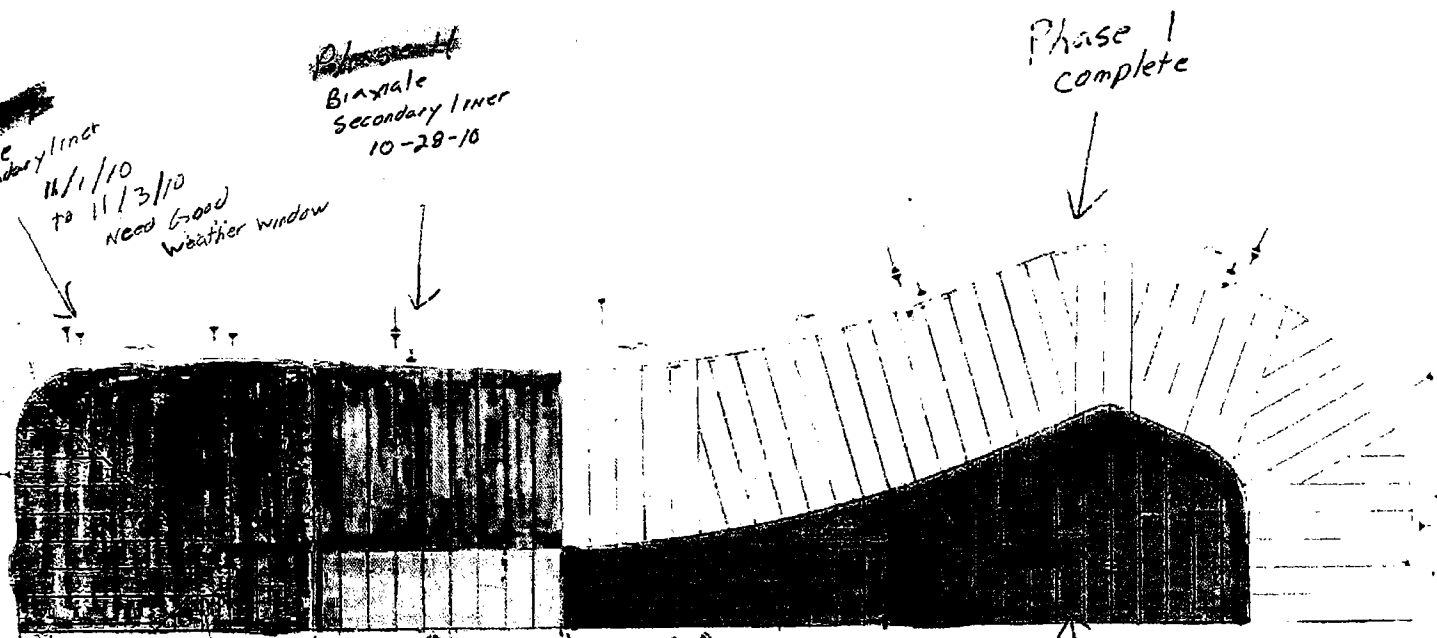
11) **Weekly Progress Meeting Schedule and Time**

- Weekly Progress Meeting No. 16 will be at the office trailer next week October 28, 2010, 10:00 a.m.

October 21, 2010, 10:00 A.M.

SIGN IN SHEET

<u>NAME</u>	<u>COMPANY</u>	<u>CELL PHONE</u>	<u>EMAIL</u>
Dominique Bramlett	SCS Engineers	813-417-7597	dbramlett@scsengineers.com
Troy Watral	Comanco Env. Corp.	813 714-0980	twatral@comanco.com
Bill NEWMAN	Comanco Env Corp	813-434-5434	bnewman@comanco.com
JUSTIN ENDSLEY	COMANCO	813-918-1441	jendsley@comanco.com
Casey Stephens	Citrus Co.	352-302-6980	casey.stephense@boc.citrus.fl.us



REVISIONS

CENTRAL LANDFILL
PHASE 3 EXPANSION PROJECT
SECONDARY LAYER
PROPOSED PANEL PLACEMENT

CITRUS COUNTY
SOLID WASTE
MANAGEMENT DIVISION
CITRUS COUNTY, FLORIDA

NOTE:
THIS PROPOSED PANEL LAYOUT IS
FOR GENERAL CONCEPTUAL
PURPOSE ONLY. ACTUAL PANEL
LAYOUT MAY VARY WITH
CONSIDERATIONS TO SAT ACTUAL
FIELD CONDITIONS, I.E.
CONSTRUCTION SEQUENCING,
PREVAILING WIND CONDITIONS,
SCAFFOLDING, COMPLETED
LAND AREA, SUBGRADE
PROTECTION, ETC.



COMANCO
ENVIRONMENTAL CORPORATION

4301 STERLING COMMERCE DR.
PLANT CITY, FL 33566-7372
TELEPHONE: (813) 988-8829
FAX: (813) 496-7305

DRAWN BY: WMS	CHECKED BY: JE	DATE: 7-8-10	APPROVED BY: CL
PROJECT NO.: 07104101		FILE NAME: CITRUS COUNTY PHASE 3 EXPANSION	

DWG NO

1

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	dbramlett@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 #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

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>	<u>COMPANY</u>	<u>CELL PHONE</u>	<u>EMAIL</u>
<u>Dominique Bramblett</u>	<u>SCS Engineers</u>	<u>813-417-7597</u>	<u>dbramblett@scsengineers.com</u>
<u>Richard Neptune</u>	<u>CITRUS CO</u>	<u>352 400-0076</u>	<u>richard.neptune@bocc.citrus.fl.us</u>
<u>Troy Watral</u>	<u>Comanco Env. Corp.</u>	<u>813 714-0980</u>	<u>twatral@comanco.com</u>
<u>Bill NEWMAN</u>	<u>Comanco Env Corp.</u>	<u>813-434-5435</u>	<u>bnewman@comanco.com</u>
<u>JUSTIN ENDSLEY</u>	<u>COMANCO</u>	<u>813-918-1441</u>	<u>jendsley@comanco.com</u>
<u>Casey Stephens</u>	<u>Citrus Co.</u>	<u>352-302-6980</u>	<u>casey.stephens@bocc.citrus.fl.us</u>
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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 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	casey.stephens@bocc.citrus.fl.us
----------------	--------------	--

b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@scsengineers.com
--------------------	--------------	--

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.

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

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

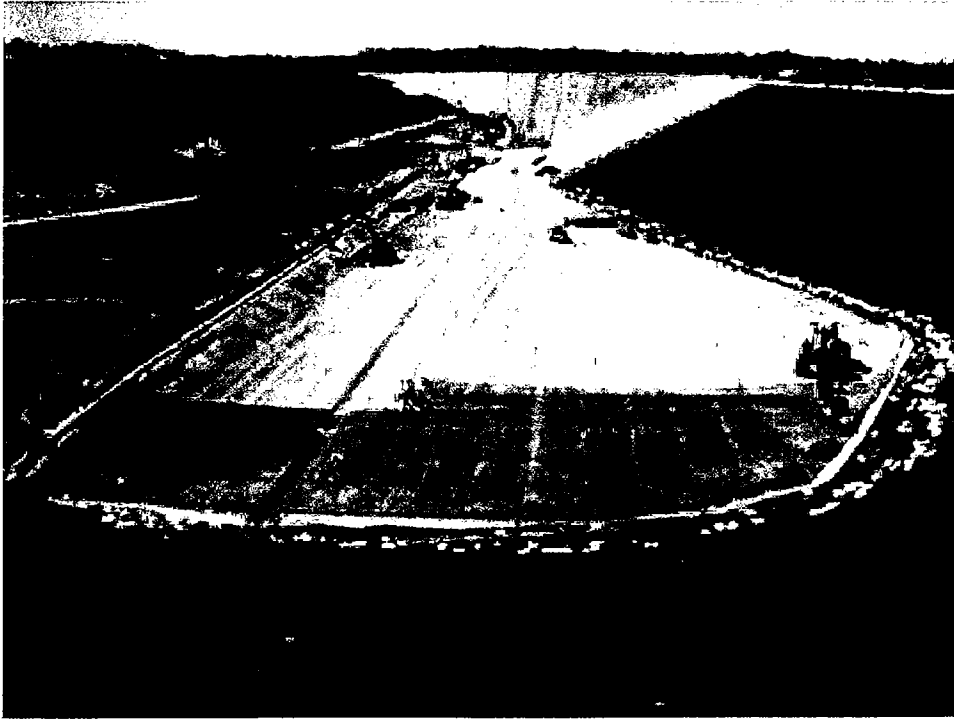
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ATTACHMENT C
CONSTRUCTION PHOTOGRAPHS
DURING REPORTING PERIOD

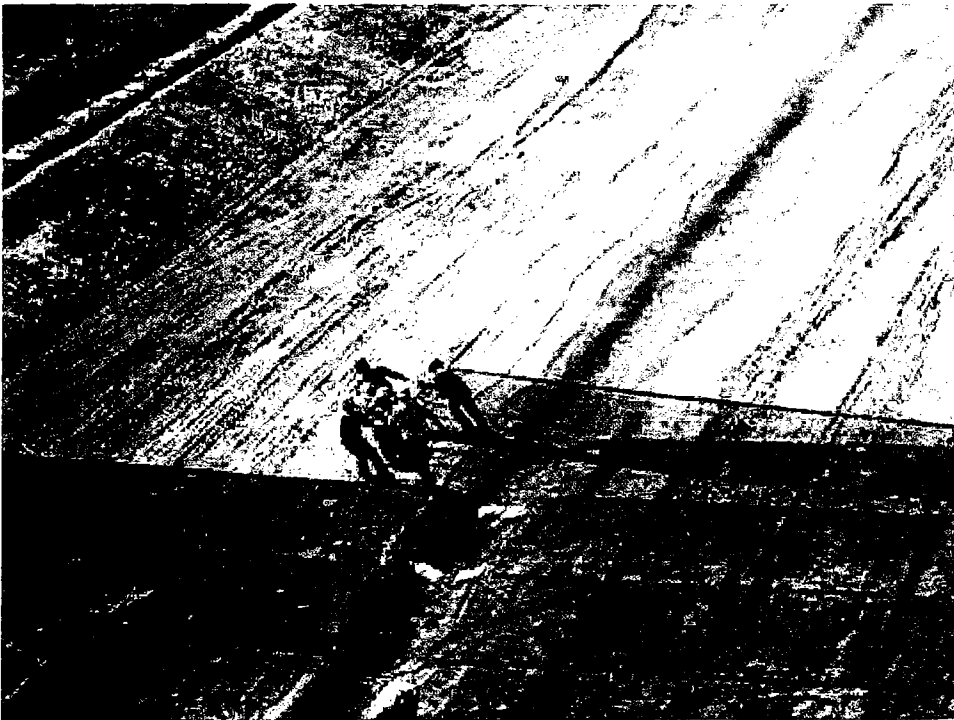
Citrus County Central Landfill Phase 3 Expansion Project
 Photos – October 16, 2010 to October 31, 2010
 ITB 040-10

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

Citrus County Central Landfill Phase 3 Expansion Project
Photos – October 16, 2010 to October 31, 2010
ITB 040-10

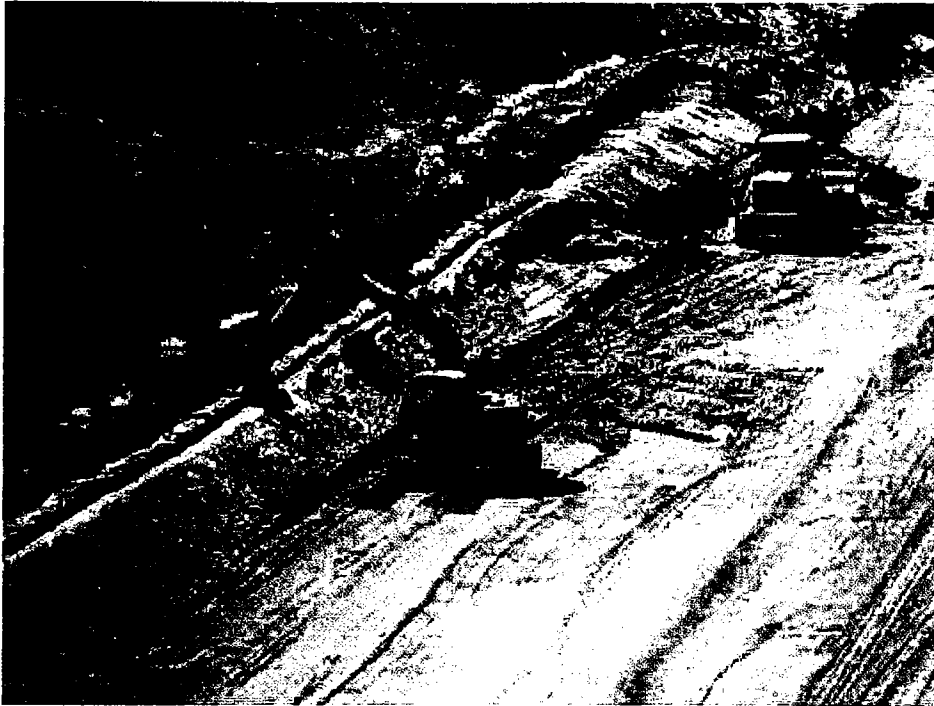


File 1



File 2

Citrus County Central Landfill Phase 3 Expansion Project
Photos – October 16, 2010 to October 31, 2010
ITB 040-10



File 3

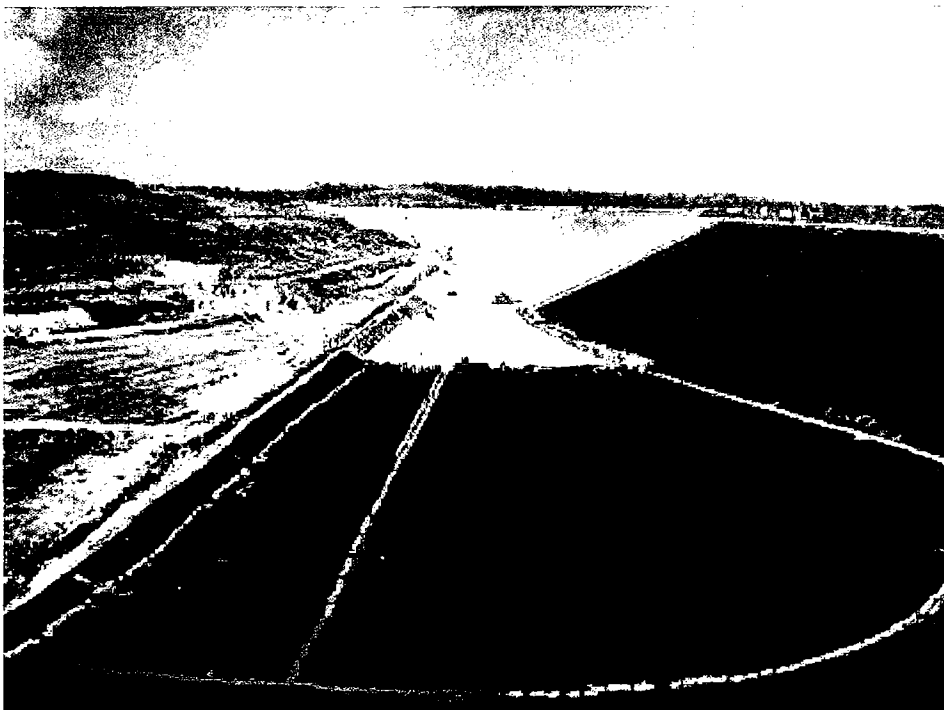


File 4

Citrus County Central Landfill Phase 3 Expansion Project
Photos – October 16, 2010 to October 31, 2010
ITB 040-10



File 5



File 6

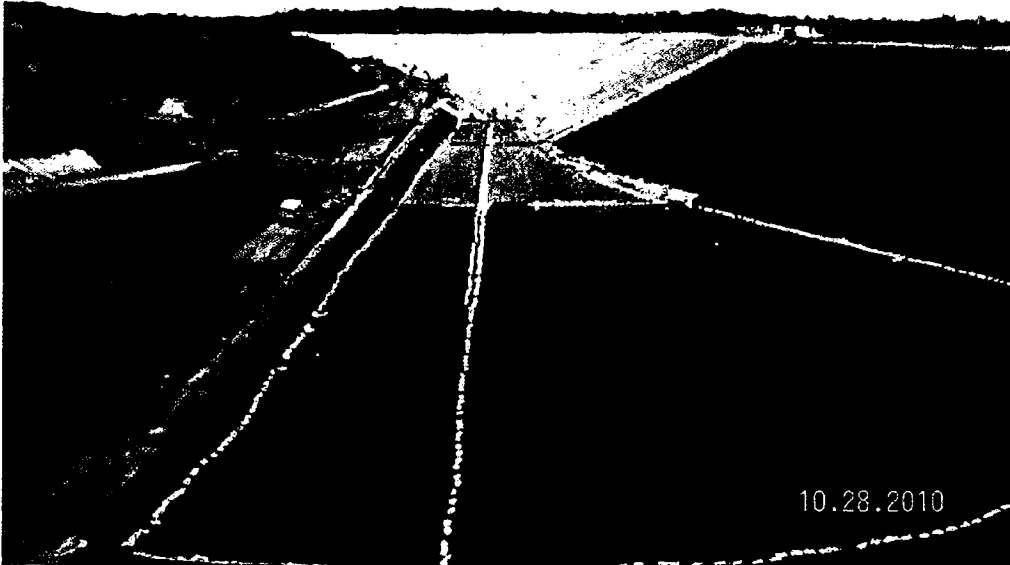
Citrus County Central Landfill Phase 3 Expansion Project
Photos – October 16, 2010 to October 31, 2010
ITB 040-10



File 7



File 8



File 9

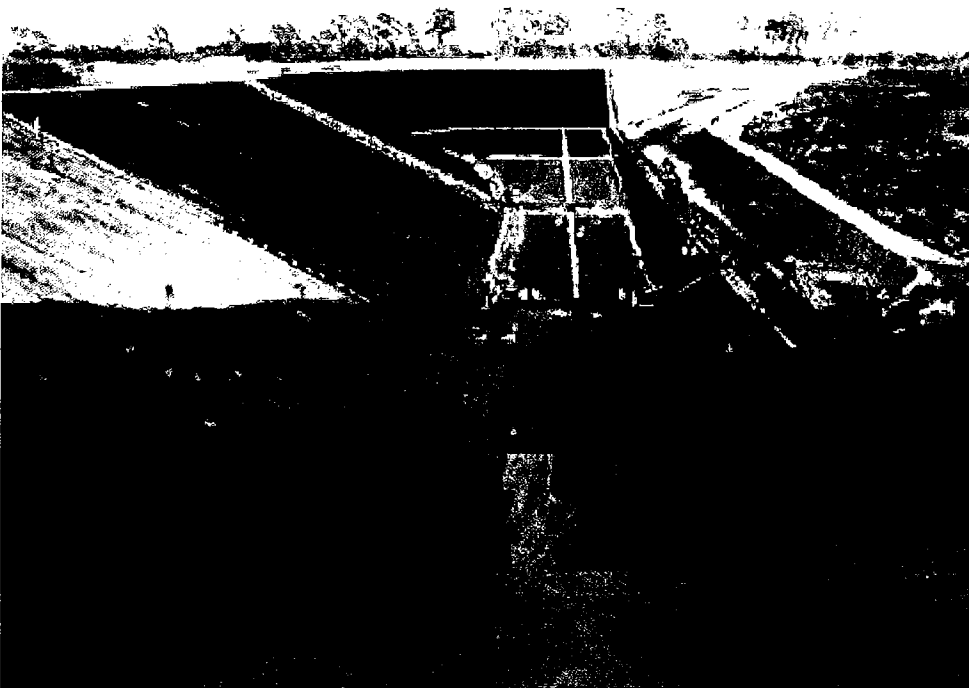


File 10

Citrus County Central Landfill Phase 3 Expansion Project
Photos – October 16, 2010 to October 31, 2010
ITB 040-10



File 11



File 12

Citrus County Central Landfill Phase 3 Expansion Project
Photos – November 1, 2010 to November 15, 2010
ITB 040-10

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

Citrus County Central Landfill Phase 3 Expansion Project
Photos – November 1, 2010 to November 15, 2010
ITB 040-10



File 1

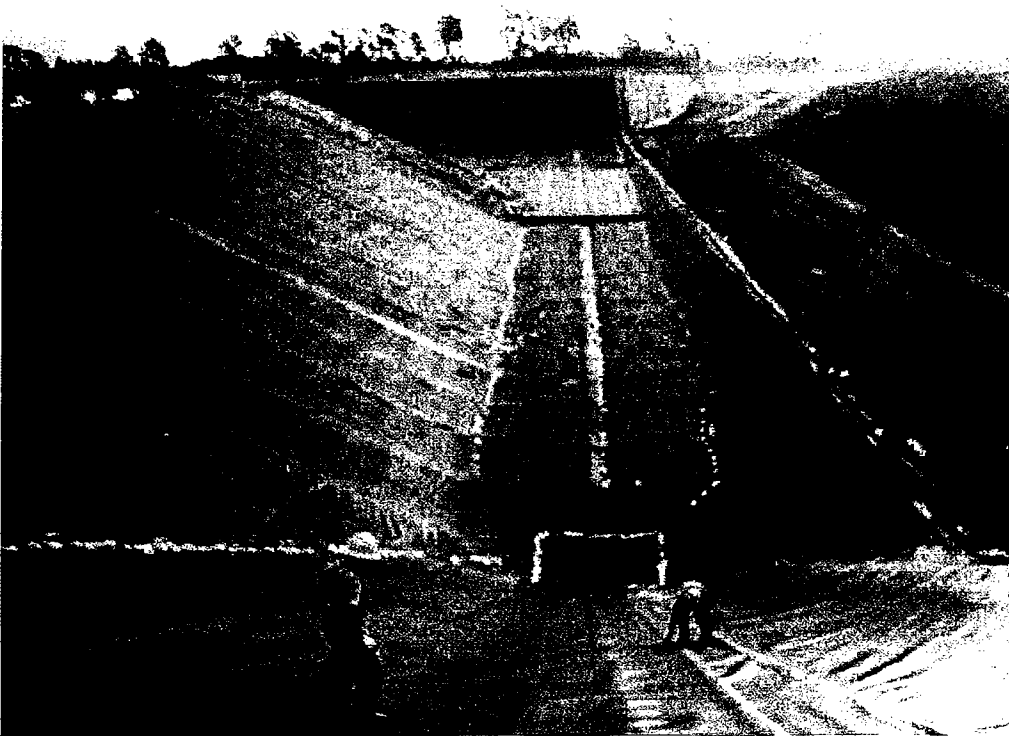


File 2

Citrus County Central Landfill Phase 3 Expansion Project
Photos – November 1, 2010 to November 15, 2010
ITB 040-10

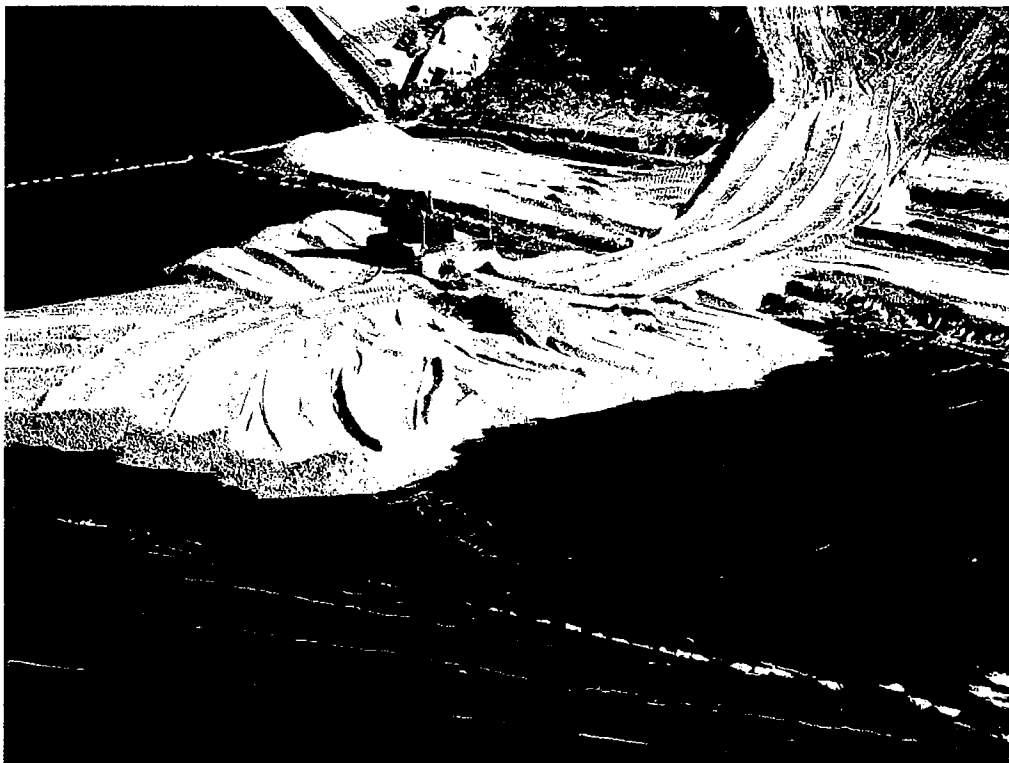


File 3



File 4

Citrus County Central Landfill Phase 3 Expansion Project
Photos – November 1, 2010 to November 15, 2010
ITB 040-10



File 5



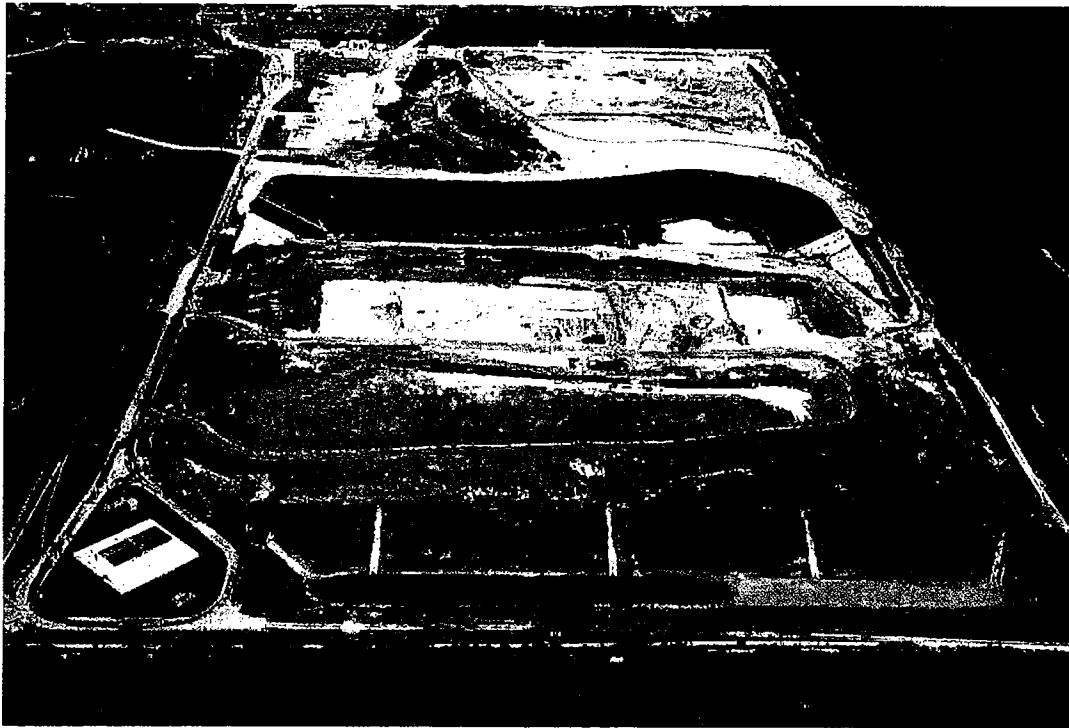
File 6



File 7



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 *DS*
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.

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 conducted 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

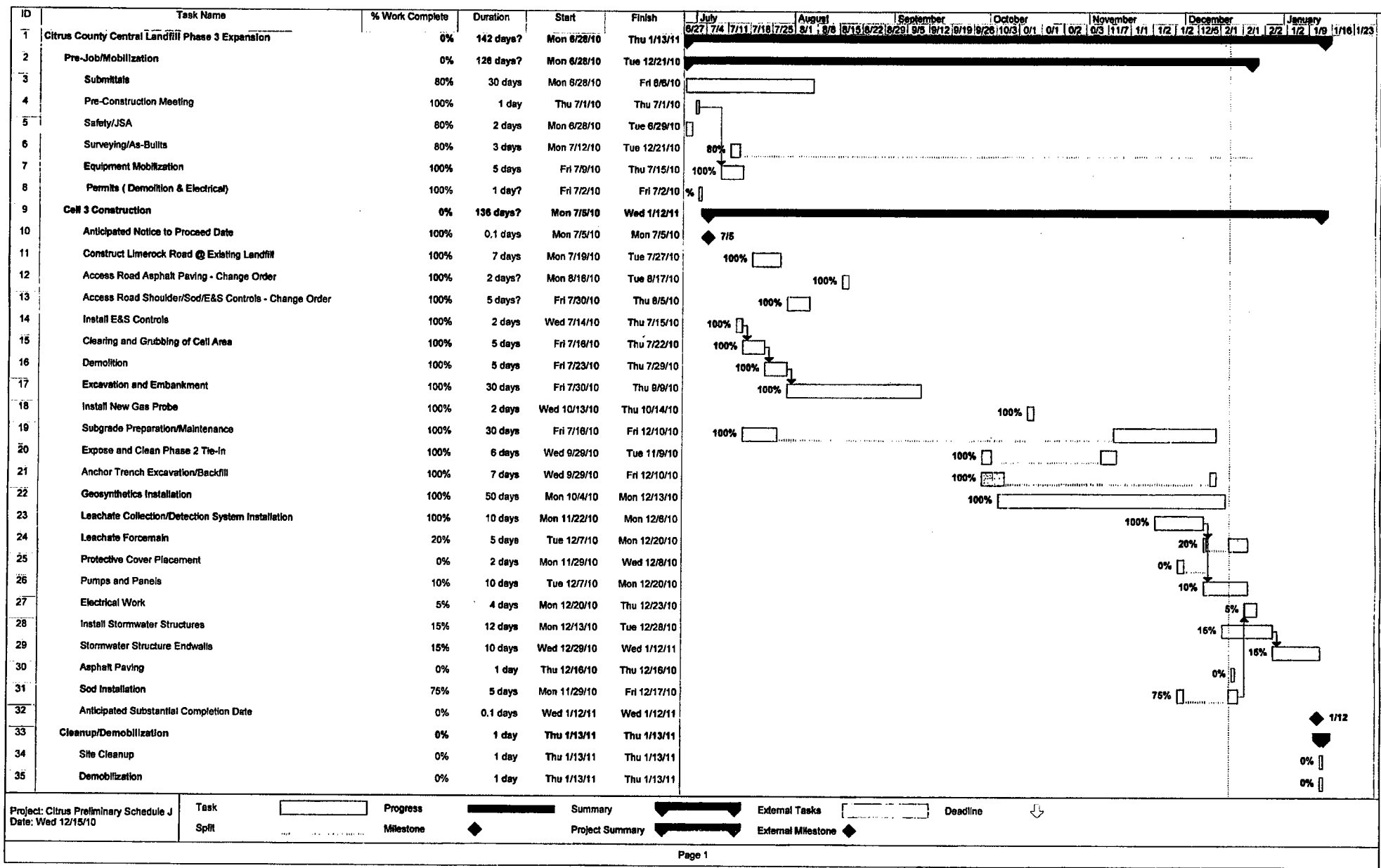
Monthly Progress Report No. 6 - November 15, 2010 to December 14, 2010

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	casey.stephens@bocc.citrus.fl.us
----------------	--------------	--

b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@scsengineers.com
--------------------	--------------	--

c) Comanco Environmental Corporation

Bill Newman	813-434-5435	bnewman@comanco.com
Troy Watral	813-714-0980	twatral@comanco.com

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

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

[illegible]

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	casey.stephens@bocc.citrus.fl.us
----------------	--------------	--

b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@scsengineers.com
--------------------	--------------	--

c) Comanco Environmental Corporation

Bill Newman	813-434-5435	bnewman@comanco.com
Nick Bridges	813-323-3651	nbridges@comanco.com

1) **Progress Meeting #18**

a) Meeting Minutes

No comments.

b) Unfinished business

- 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.

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

[illegible]

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	casey.stephens@bocc.citrus.fl.us
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b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@scsengineers.com
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c) Comanco Environmental Corporation

Bill Newman	813-434-5435	bnewman@comanco.com
Nick Bridges	813-323-3651	nbridges@comanco.com

1) **Progress Meeting #19**

a) Meeting Minutes

No comments.

b) Unfinished business

- 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.

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.

December 2, 2010, 10:00 A.M.

SIGN IN SHEET

[illegible]

SHOP DRAWING/SUBMITTAL LOG

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
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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 Contractor Submittals

013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	MC	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
				AR	07/15/10 email
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	NE	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
013010-05A	Health and Safety Officer Documentation	01 30 10-1.01	07/16/10	NE	07/16/10 email

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
013010-06A	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	07/08/10 email
013010-06B	Erosion and Pollution Control Plan	01 30 10-1.01	07/29/10	NE	08/05/10 email
013010-07A	Project Work and Spec Compliance Confirmation	01 30 10-1.01	07/21/10	NE	07/21/10 email requested signed letter
013010-08A	Quality Control Testing Log	01 30 10-3.16	08/04/10	NE	08/11/10 email
013010-09A	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/01/10	MC	07/11/10 email
013010-09B	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/14/10	MC	07/15/10 email
013010-10A	Preconstruction Video	01 30 10-1.01	08/19/10	NE	08/24/10 email
013010-11A	Dewatering Plan	01 30 10-1.01	09/29/10	NE	10/01/10 email
015001 Field Engineering and Surveying					
015001-01A	Licensed Professional Land Surveyor	01 50 01-1.04	07/08/10	MC	07/09/10 email requesting verification of licensure
015001-01B	Licensed Professional Land Surveyor	01 50 01-1.04	07/15/10	NE	07/15/10 email
015001-02A	Survey Certifying Locations and Elevations are in Conformance with Contract Documents	01 50 01-1.04	07/28/10	AR	08/05/10 email and discussed over the phone with JE
015001-02B	Survey Certifying Locations and Elevations are in Conformance with Contract Documents	01 50 01-1.04	08/30/10	AR	09/03/10 email and discussed at construction meeting
015001-02C	Initial Survey As-builts	01 50 01-1.04	09/09/10	NE	09/21/10 email
015001-03A	Record Drawings (As-Builts) Part 1	01 50 01-1.04	10/01/10	NE	10/03/10 email

¹ **Status**

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MC - Make Corrections Noted
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SHOP DRAWING/SUBMITTAL LOG

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
015001-03B	Record Drawings (As-Builts) Part 2	01 50 01-1.04	10/06/10	NE	10/08/10 email
015001-03C	Record Drawings (As-Builts) Part 3	01 50 01-1.04	10/08/10	NE	10/08/10 email
015001-03D	Record Drawings (As-Builts) Part 4	01 50 01-1.04	10/18/10 10/22/10	MC NE	10/18/10 email
015001-03E	Record Drawings (As-Builts) Part 5	01 50 01-1.04	10/22/10	NE	10/22/10 email
015001-03F	Record Drawings (As-Builts) Part 6	01 50 01-1.04	10/25/10	NE	10/25/10 email
015001-03G	Record Drawings (As-Builts) Part 7	01 50 01-1.04	10/29/10	MC	11/11/10 email
015001-03H	Record Drawings (As-Builts) Part 7 (resubmittal)	01 50 01-1.04	12/02/10	NE	12/02/10 email
015001-04A	Field Surveyor's Log signed and Sealed (Copies)	01 50 01-1.04			
015005 Mobilization and Demobilization					
015005-01A	Required Insurance Certificates and Bonds	01 50 00-1.01			
016000 Materials and Equipment					
016000-01A	Manufacturer's Instructions on Product Delivery, Storage, and Handling	01 60 00-1.03	This is submitted with products		
025316 Leachate 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 Geosynthetic 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	NE	

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SHOP DRAWING/SUBMITTAL LOG

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
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			
025615-06A	Warranties and Warranties Conditions	02 56 15-1.05			
025615-07A	GCL Product Data Sheet	02 56 15-1.05	07/16/10	NE	07/17/10 email
025615-08A	GCL Construction Quality 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
025615-11A	GCL Roll Certifications	02 56 15-1.05	08/30/10	NE	09/01/10 email
029041 Geosynthetic Rain Tarp					
029041-01A	Manufacturer's Tests Specs, Install Instructions, and Roll Dimensions	02 90 41-1.02			
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02	08/30/10	NE	09/01/10 email
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10	NE	07/17/10 email
029041-04A	Rain Tarp Product Data Sheet	02 90 41-1.02	07/16/10	NE	07/17/10 email
029041-05A	Geosynthetic Rain Tarp Layout - Revised	02 90 41-1.02	11/08/10	NE	11/08/10 email
029041-06A	Manufacturer's Evaluation Reports (3 additional rolls)	02 90 41-1.02	11/17/10	NE	11/23/10 email
160000 Electrical					
160000-01A	Field Testing Booklet	16 00 00-3.8			
310519 Geotextile					
310519-01A	Manufacturer's Prequalifications, Tests, Specs, Install Instructions, Roll Dimensions and Approval Form (Non-Woven Geotextile)	31 05 19-1.02	07/14/10	NE	07/17/10 email
310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02	08/18/10	NE	08/23/10 email

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SHOP DRAWING/SUBMITTAL LOG

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
310519-03A	Product Data/Access Road Fabric (Woven Geotextile)	31 05 19-1.02	07/08/10 07/15/10	MC NE	07/12/10 email 07/16/10 email
310520 Triplanar Geocomposite					
310520-01A	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	07/17/10 email
310520-01B	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	08/13/10 email
310520-02A	Triplanar Prequalifications	31 05 20-1.04			
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	07/21/10 email
310520-05A	Triplanar Protection Method	31 05 20-1.04	08/04/10	NE	08/11/10 email
310520-06A	Triplanar Material Data and Specifications	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-08A	Triplanar Manufacturer's Installation Instructions	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-09A	Manufacturer's Triplanar Qualifications	31 05 20-1.04	08/12/10	NE	08/13/10 email
310520-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10	AR	08/16/10 email
310520-10B	Triplanar Geonet Resin	31 05 20-1.04	09/01/10	NE	09/01/10 email
310520-11A	Triplanar Transmissivity Test Results	31 05 20-1.04	08/12/10	NE	08/17/10 email
310520-12A	Triplanar MQC Production Dates and Test Results	31 05 20-1.04	08/12/10	NE	08/17/20 email
310520-13A	Tri-planar Production Dates and Tests Results (Batches 3 & 4)	31 05 20-1.04	09/22/10	NE	09/27/10 email
310521 Biplanar Geocomposite					
310521-01A	Biplanar Manufacturer's Experience of 5,000,000 sf	31 05 21-1.04	08/18/10	NE	08/20/10 email
310521-02A	Biplanar Prequalifications	31 05 21-1.04			

¹ Status

NE - No Exceptions Taken
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MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
310521-03A	Biplanar Transmissivity	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-04A	Biplanar Roll Layout Drawings	31 05 21-1.04	07/13/10	NE	07/21/10 email
310521-05A	Biplanar Protection Method	31 05 21-1.04	08/18/10	NE	08/23/10 email
310521-06A	Biplanar Material Data and Specifications	31 05 21-1.04	07/14/10	NE	07/17/10 email
310521-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 21-1.04	08/18/10	NE	08/23/10 email
310521-08A	Biplanar Manufacturer's Installation Instructions	31 05 21-1.04	08/30/10	NE	09/01/10 email
310521-09A	Manufacturer's Biplanar Qualifications	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-10A	Biplanar Geonet Resin	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-11A	Biplanar Transmissivity Test Results	31 05 21-1.04	08/18/10	NE	08/25/10 email
310521-12A	Biplanar MQC Production Dates and Test Results	31 05 21-1.04			
310521-13A	Biplanar Manufacturer's Production Dates and Test Results	31 05 21-1.04	09/09/10	NE	09/13/10 email
312000 Excavation, Backfill, and Grading					
312000-01A	Borrow Source Qualification	31 20 00-1.04			
312000-02A	QC Geotechnical Lab Data and Results	31 20 00-1.04	11/17/10	NE	11/23/10 email
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	Placed in 2 submittals 321216-01A and 321216-03A	
312000-07A	OSHA Regulations		09/27/10	NE	
313219 Geogrid					
313219-01A	Geogrid Manufacturer's Qualifications	31 32 19-1.04	08/19/10	AR	08/23/10 email

¹ Status

NE - No Exceptions Taken
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MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
313219-01B	Geogrid Manufacturer's Qualifications	31 32 19-1.04	09/14/10	AR	09/14/10 email
313219-02A	Geogrid Installation Plan	31 32 19-1.04	07/22/10	NE	07/23/10 email
313219-03A	Geogrid Warranties	31 32 19-1.04	07/22/10	NE	08/02/10 email
313219-04A	Geogrid Resin Info and Quality Control Certificates	31 32 19-1.04	07/22/10	AR	08/04/10 email
313219-05A	Geogrid Manufacturer Material Info and Quality Control Certificates (Biaxial Geogrid)	31 32 19-1.04	07/22/10 8/24/10	AR NE	08/02/10 8/24/10 (see -07A)
313219-06A	Geogrid Loading, Unloading, and Storage Recommendations	31 32 19-1.04	07/19/10	NE	07/19/10 email
313219-07A	Geogrid Roll Certifications (Biaxial Geogrid)	31 32 19-1.04	08/24/10	NE	08/25/10 email
313219-08A	Geogrid Record Drawings	31 32 19-1.04			
313219-09A	Geogrid Material Data (Biaxial Geogrid)	31 32 19-1.04	07/14/10	NE	07/17/10 email
313219-10A	10XT Uniaxial Geogrid Leachate Exposure		08/09/10	RR	08/13/10 email
313219-11A	Uniaxial Geogrid	313219-1.04	08/17/10	NE	08/19/10 email
313219-12A	Uniaxial (22XT) Roll Certifications (15 Rolls)	313219-1.04	10/15/10	NE	10/15/10 email
316223 Cast-In-Place Concrete					
316223-01A	Cast-In-Place Concrete Product Data	31 62 23-1.05	11/18/10		
316223-01B	Cast-In-Place Concrete Product Data	31 62 23-1.05	12/03/10		
321216 Asphalt Paving and Crushed Concrete					
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE	08/11/10 email
321216-02A	Certification of Limerock Source	32 12 16-1.04			
321216-03A	Composition Analysis for LBR Lab Report	32 12 16-1.04	08/04/11	NE	08/11/10 email
329000 Seeding and Sodding					
329000-01A	Sod Species and Percentages of Purity	32 90 00-1.02			

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

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RR - Rejected, Resubmit

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SHOP DRAWING/SUBMITTAL LOG

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
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	33 05 20-1.04	08/11/10	AR	08/11/10 email
330520-04B	Material Warranty	33 05 20-1.04	09/14/10	NE	09/14/10 email
330520-05A	Geomembrane Resin Info and Quality Control Certificates	33 05 20-1.04	09/27/10	NE	10/01/10 email
330520-06B	Continuation of Material QC Certificates	33 05 20-1.04	09/29/10	NE	10/01/10 email
330520-05B	Continuation of Resin QC Certificate	33 05 20-1.04	09/29/10	NE	10/01/10 email
330520-06A	Geomembrane Manufacturer Material Info and Quality Control Certificates	33 05 20-1.04	09/27/10	NE	10/01/10 email
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	09/27/10	NE	10/01/10 email
330520-09B	Continuation of List Correlating QC	33 05 20-1.04	09/29/10	NE	10/01/10 email
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	33 05 20-1.04			

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

Project Name: Citrus County Central Landfill Project No.: 09207049.06
Phase 3 Expansion Project Log Updated: 12/03/2010

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
330520-16A	HDPE Geomembrane Product Data Sheet	33 05 20-1.04	07/16/10	NE	07/16/10 email
335110 Piping System					
335110-01A	Piping Material Suppliers Certifications and Recommendations	33 51 10-1.02			
335110-02A	Manufacturer Certification of Resin Spec Compliance	33 51 10-1.02			
335110-03A	Manufacturer Stress Regression testing	33 51 10-1.02	08/02/10	AR	08/11/10 email
335110-03B	Manufacturer Stress Regression testing	33 51 10-1.02	08/13/10	NE	08/17/10 email
335110-04A	Elbows and Fittings Details and Specs	33 51 10-1.02	08/02/10 08/20/10	AR NE	08/13/10 08/24/10
335110-05A	Flow Meter Manufacturer and 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

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

ATTACHMENT C
CONSTRUCTION PHOTOGRAPHS
DURING REPORTING PERIOD

Citrus County Central Landfill Phase 3 Expansion Project
 Photos – November 16, 2010 to November 30, 2010
 ITB 040-10

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

Citrus County Central Landfill Phase 3 Expansion Project
Photos – November 16, 2010 to November 30, 2010
ITB 040-10

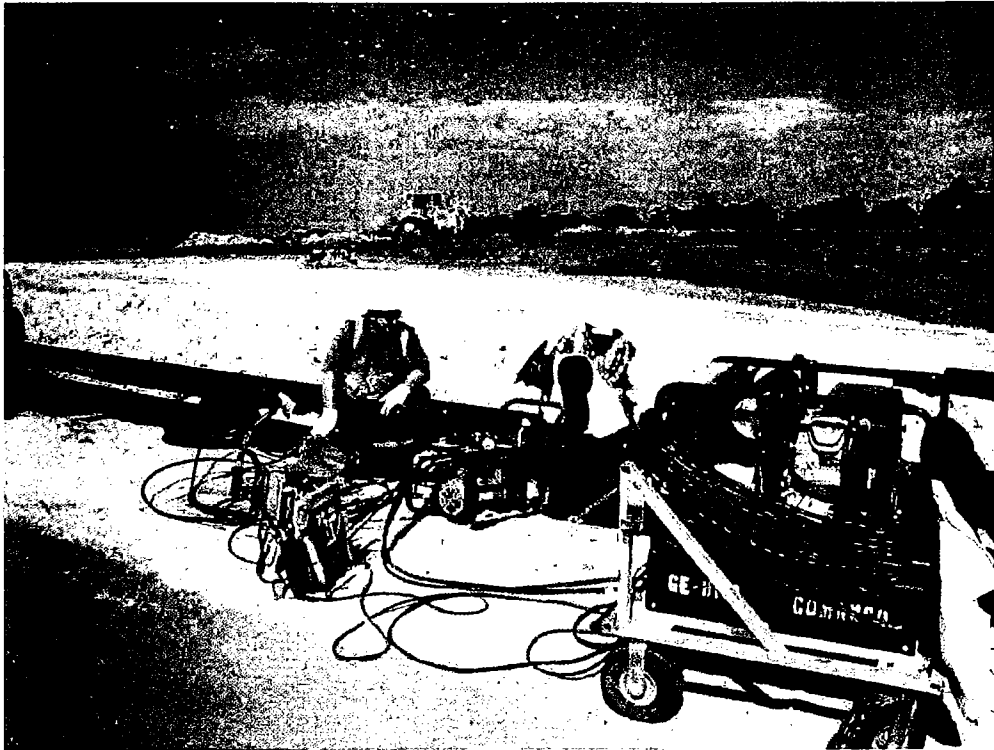


File 1



File 2

Citrus County Central Landfill Phase 3 Expansion Project
Photos – November 16, 2010 to November 30, 2010
ITB 040-10



File 3

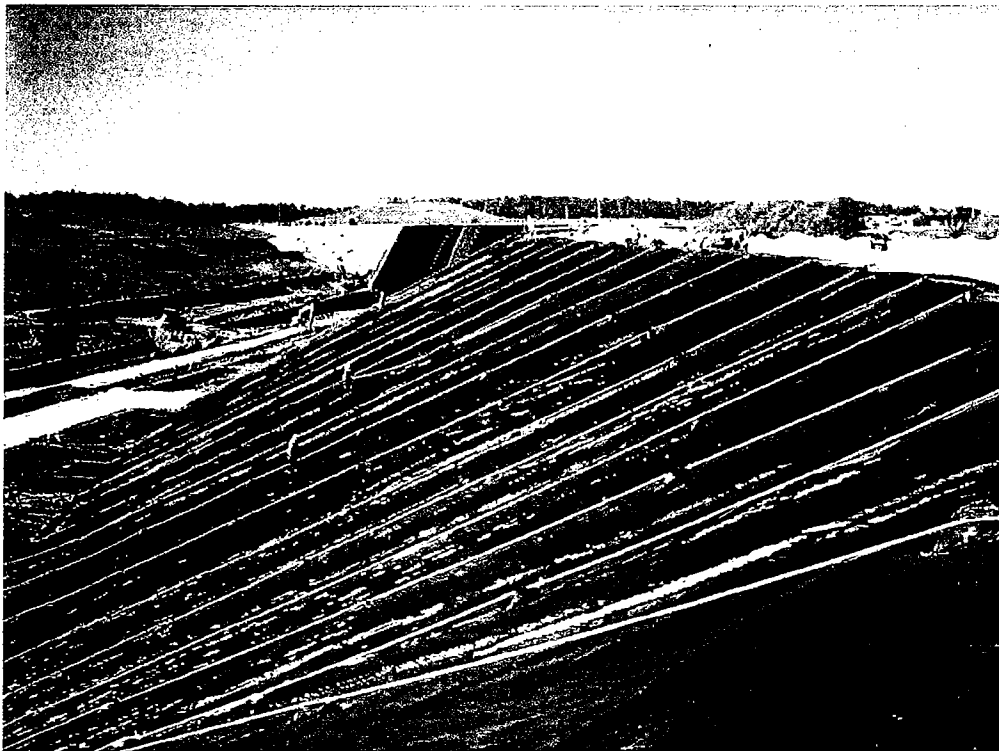


File 4

Citrus County Central Landfill Phase 3 Expansion Project
Photos – November 16, 2010 to November 30, 2010
ITB 040-10



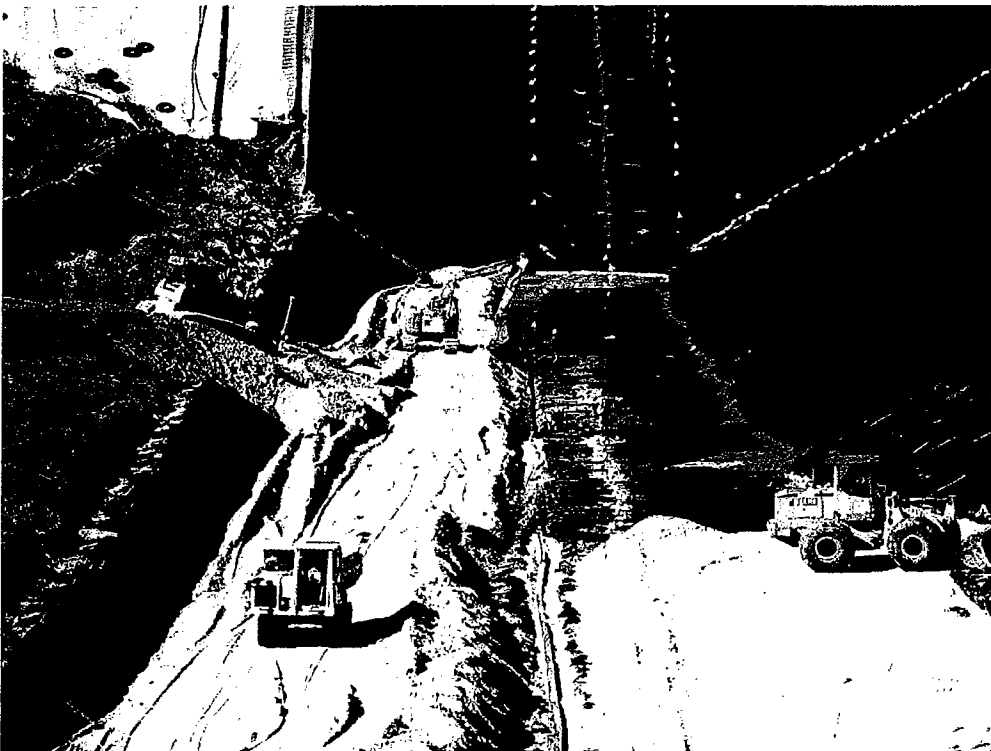
File 5



File 6



File 7



File 8

Citrus County Central Landfill Phase 3 Expansion Project
Photos – November 16, 2010 to November 30, 2010
ITB 040-10



File 9



File 10

Citrus County Central Landfill Phase 3 Expansion Project
Photos – November 16, 2010 to November 30, 2010
ITB 040-10



File 11

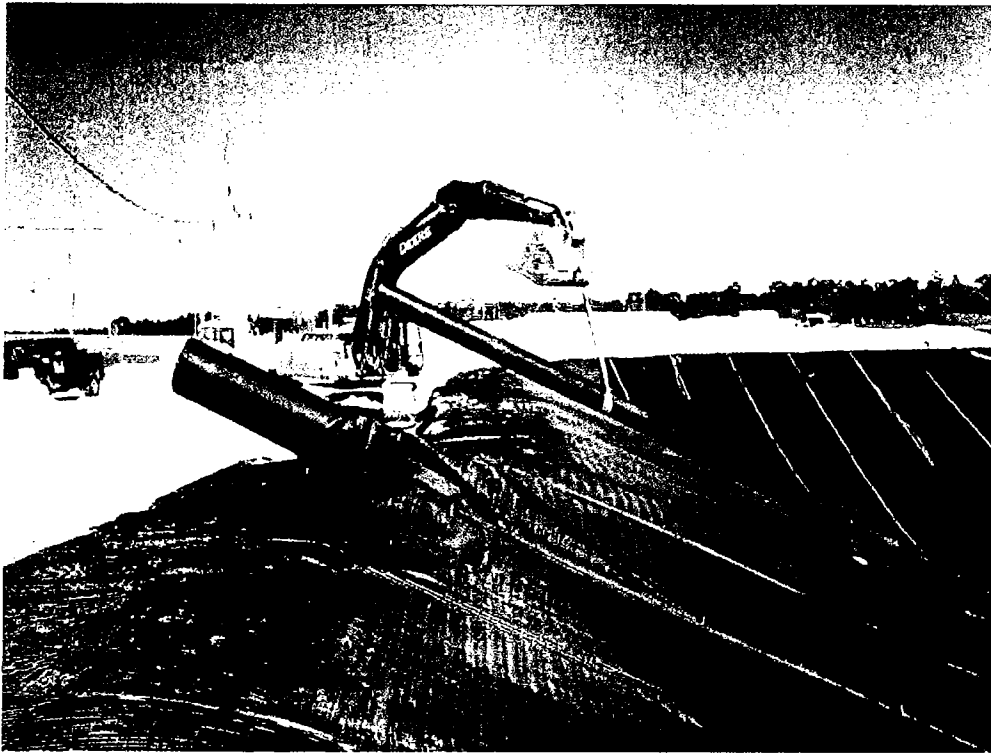


File 12

Citrus County Central Landfill Phase 3 Expansion Project
 Photos – December 1, 2010 to December 15, 2010
 ITB 040-10

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

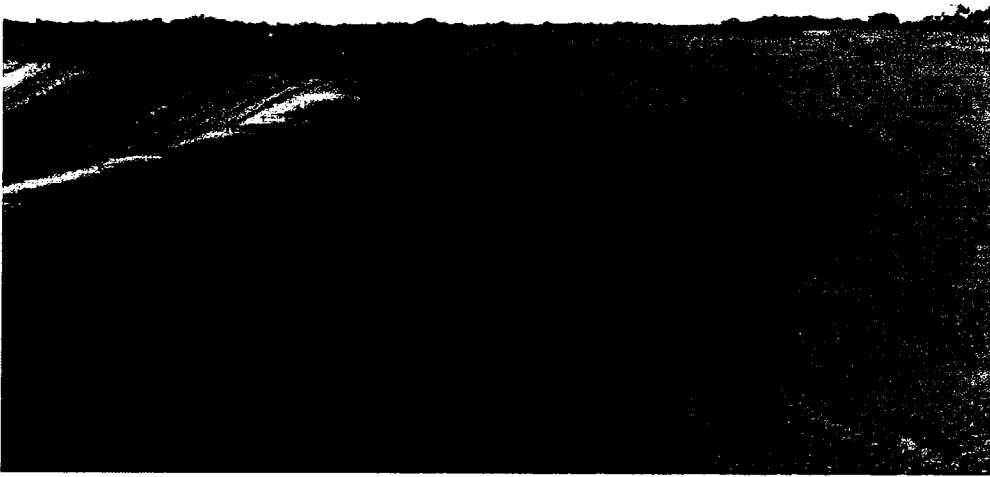


File 1



File 2

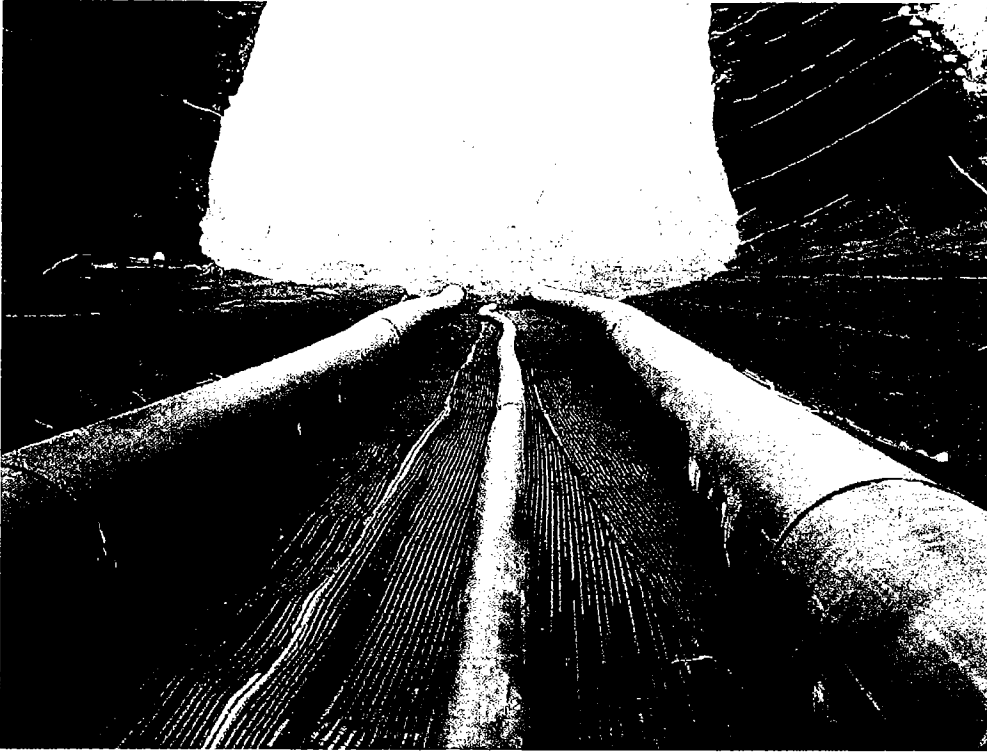
Citrus County Central Landfill Phase 3 Expansion Project
Photos – December 1, 2010 to December 15, 2010
ITB 040-10



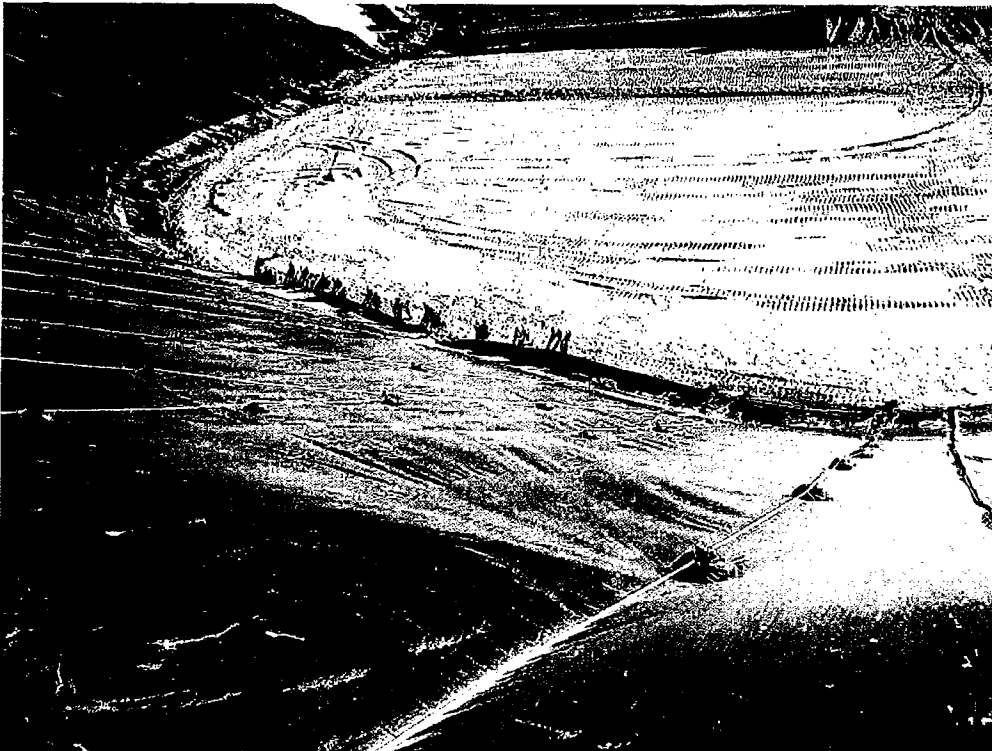
File 3



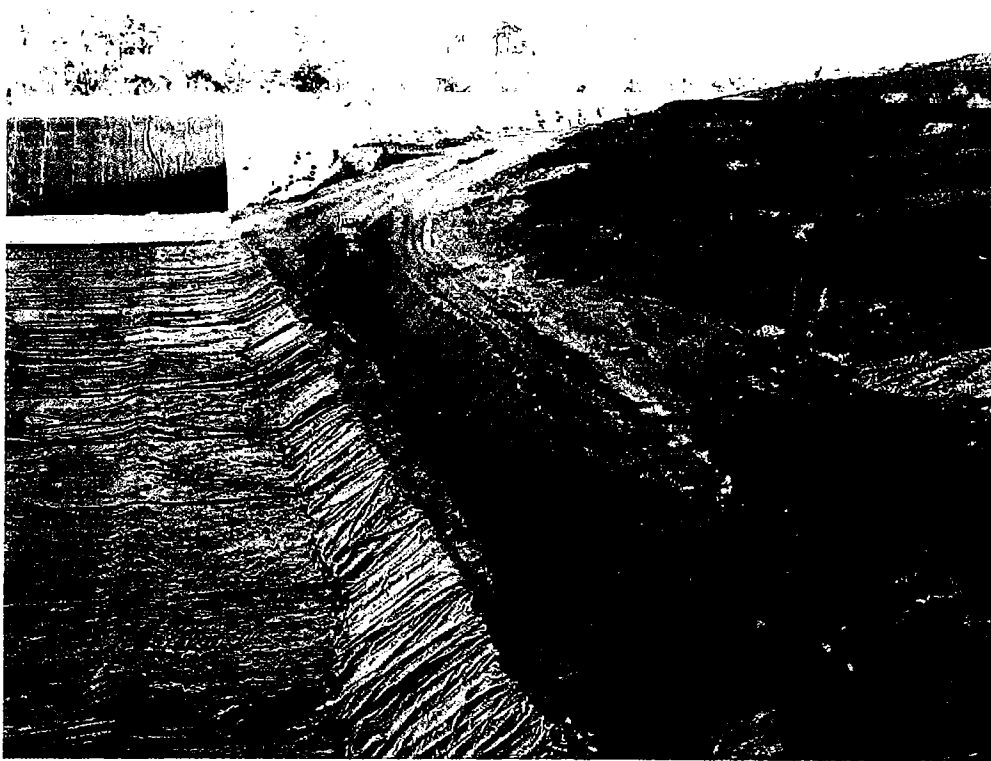
File 4



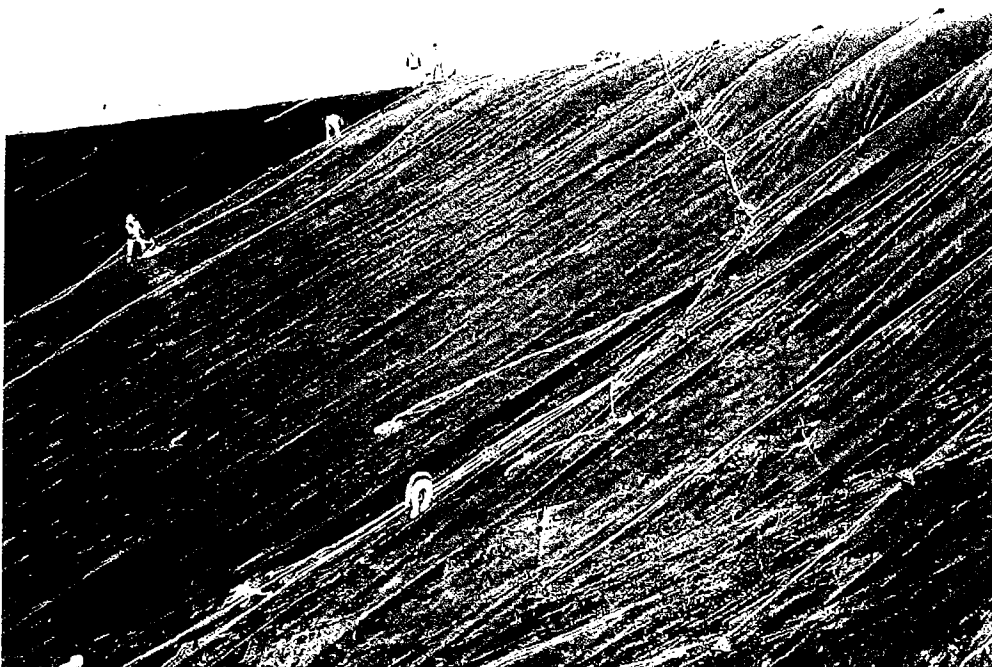
File 5



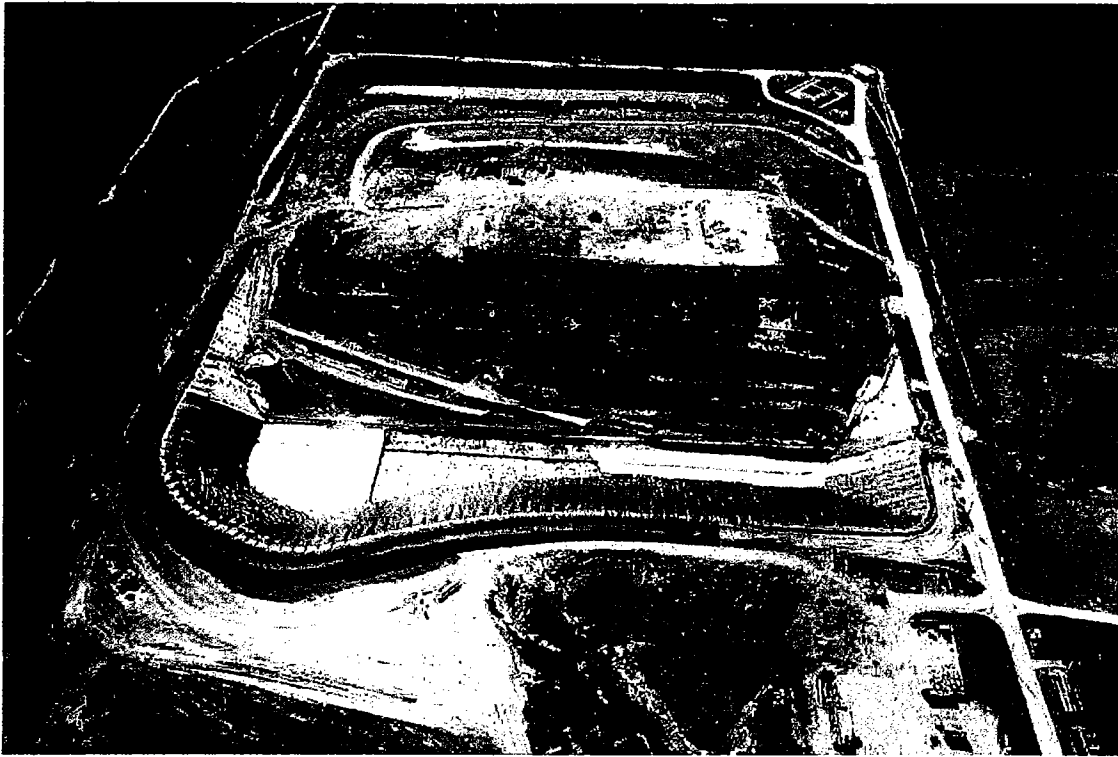
File 6



File 7



File 8

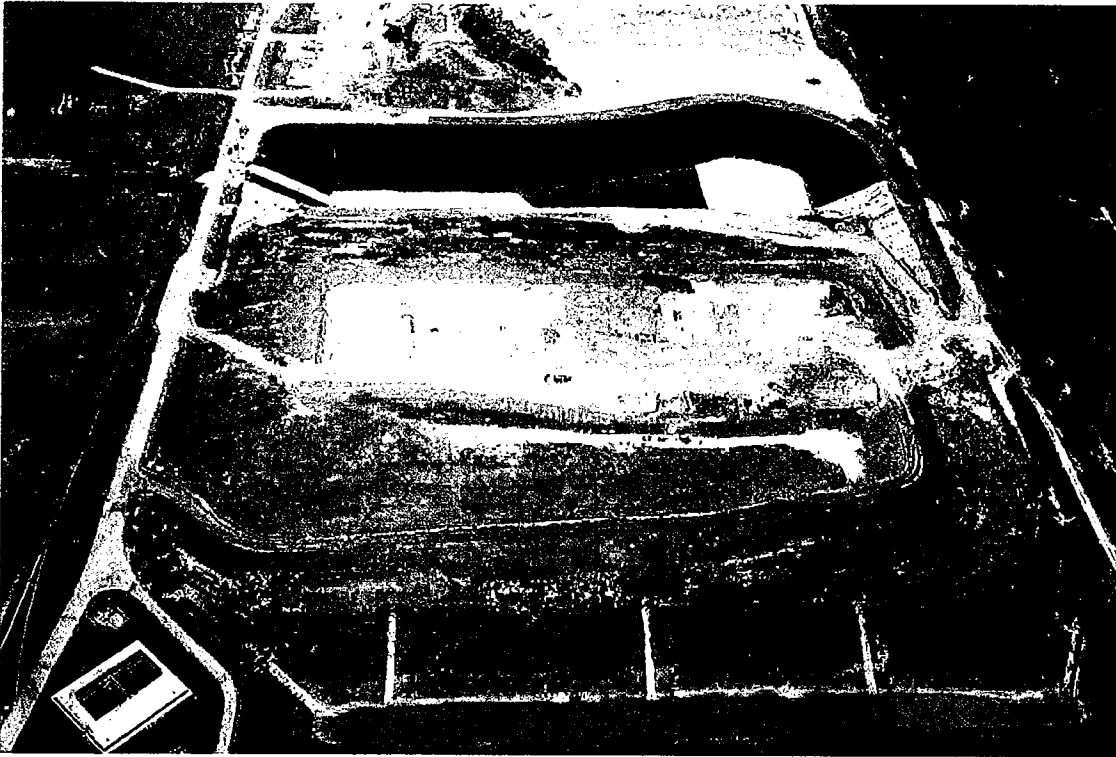


File 9

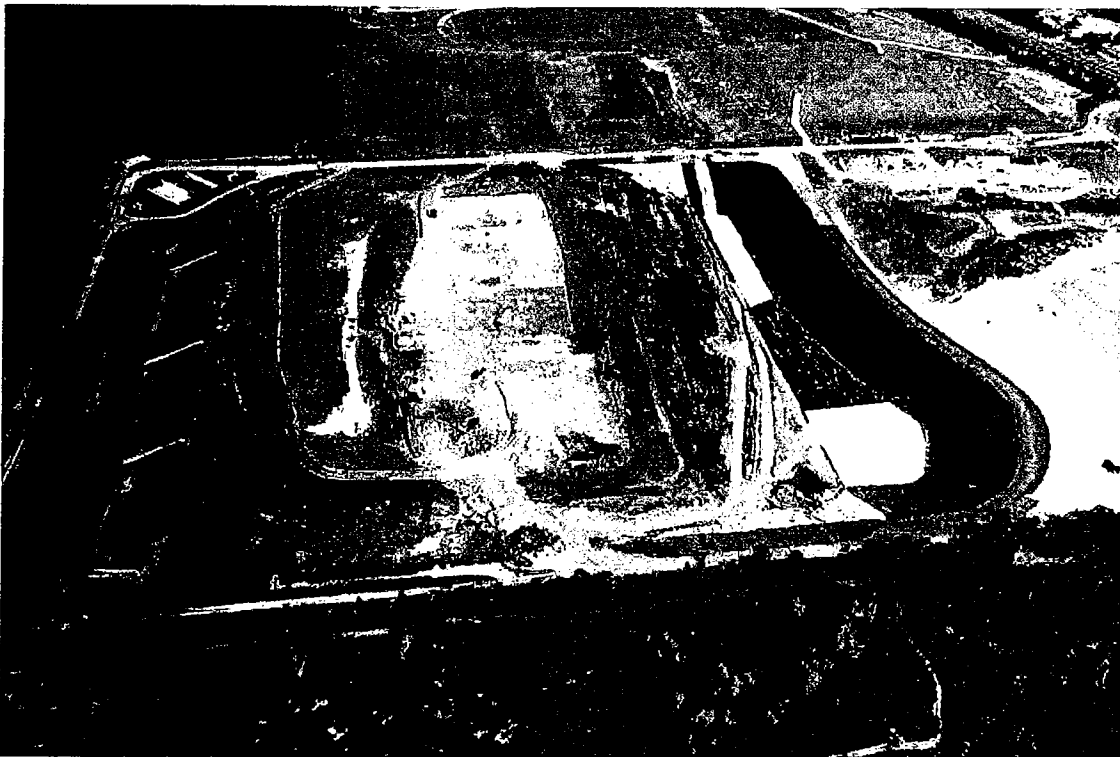


File 10

Citrus County Central Landfill Phase 3 Expansion Project
Photos – December 1, 2010 to December 15, 2010
ITB 040-10



File 11



File 12

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 *DB*
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.

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

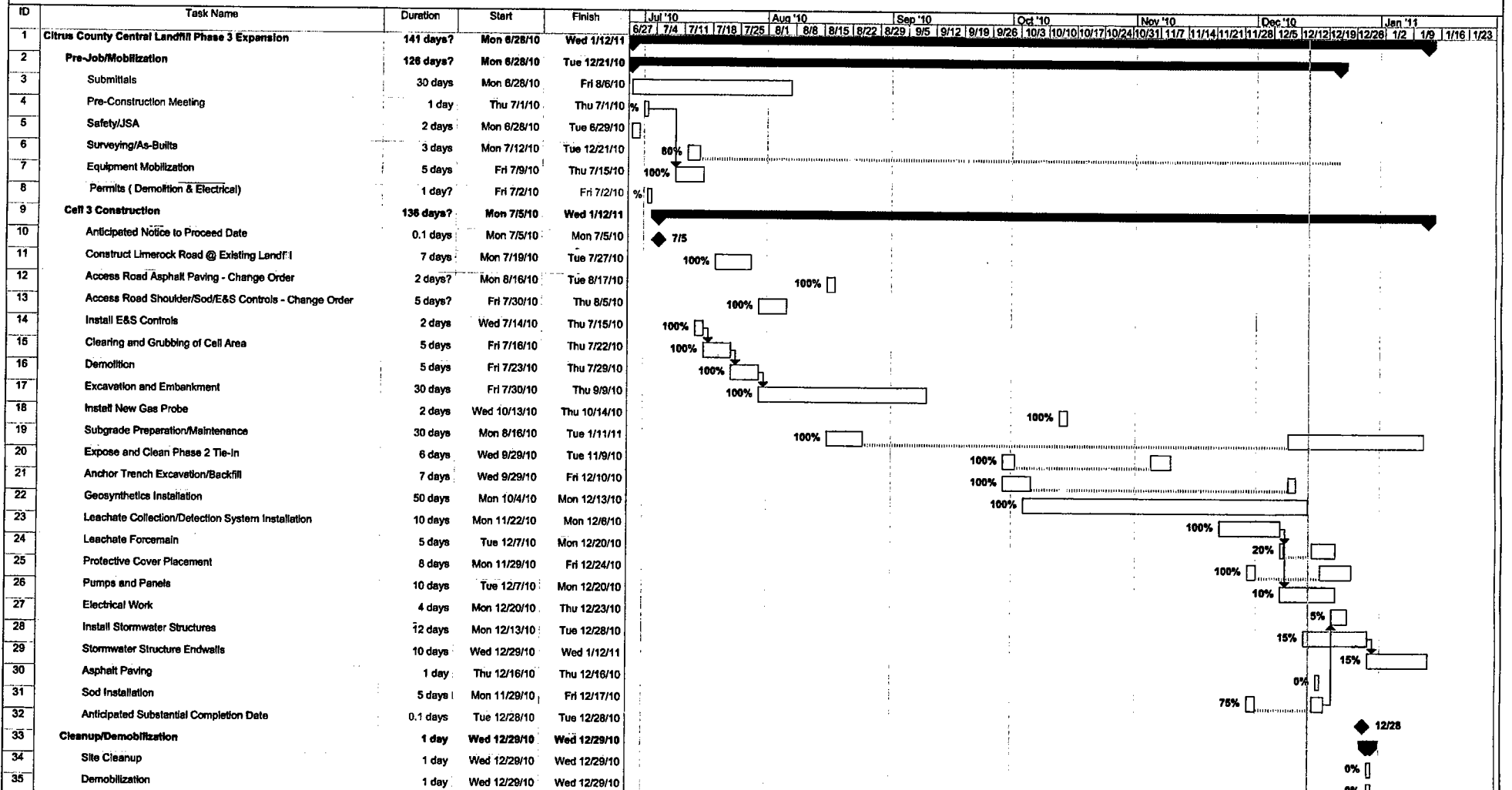
A summary of the submittals reviewed to date by SCS for the project is provided in Attachment B.

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



Project: Citrus Preliminary Schedule J.
Date: Tue 12/14/10

Task
Split

Progress
Milestone

Summary
Project Summary

External Tasks
External Milestone

Deadline

ATTACHMENT B

**WEEKLY CONSTRUCTION PROGRESS MEETING
SUMMARY REPORTS AND CONSTRUCTION SUBMITTAL LOGS**

SHOP DRAWING/SUBMITTAL LOG

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
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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
Pay App No. 9	Pay Application No. 9	01 20 00	12/27/10	NE	12/27/10

013010 Contractor Submittals

013010-01A	Preliminary Schedule	01 30 10-1.01	07/01/10	MC	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
				AR	07/15/10 email
013010-03B	Health and Safety Plan	01 30 10-1.01	07/14/10	NE	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

SHOP DRAWING/SUBMITTAL LOG

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
013010-05A	Health and Safety Officer Documentation	01 30 10-1.01	07/16/10	NE	07/16/10 email
013010-06A	Erosion and Pollution Control Plan	01 30 10-1.01	07/01/10	RR	07/08/10 email
013010-06B	Erosion and Pollution Control Plan	01 30 10-1.01	07/29/10	NE	08/05/10 email
013010-07A	Project Work and Spec Compliance Confirmation	01 30 10-1.01	07/21/10	NE	07/21/10 email requested signed letter
013010-08A	Quality Control Testing Log	01 30 10-3.16	08/04/10	NE	08/11/10 email
013010-09A	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/01/10	MC	07/11/10 email
013010-09B	Preliminary Schedule of Shop Drawing Submittals	01 30 10-1.01	07/14/10	MC	07/15/10 email
013010-10A	Preconstruction Video	01 30 10-1.01	08/19/10	NE	08/24/10 email
013010-11A	Dewatering Plan	01 30 10-1.01	09/29/10	NE	10/01/10 email
015001 Field Engineering and Surveying					
015001-01A	Licensed Professional Land Surveyor	01 50 01-1.04	07/08/10	MC	07/09/10 email requesting verification of licensure
015001-01B	Licensed Professional Land Surveyor	01 50 01-1.04	07/15/10	NE	07/15/10 email
015001-02A	Survey Certifying Locations and Elevations are in Conformance with Contract Documents	01 50 01-1.04	07/28/10	AR	08/05/10 email and discussed over the phone with JE
015001-02B	Survey Certifying Locations and Elevations are in Conformance with Contract Documents	01 50 01-1.04	08/30/10	AR	09/03/10 email and discussed at construction meeting
015001-02C	Initial Survey As-builts	01 50 01-1.04	09/09/10	NE	09/21/10 email

¹ Status

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MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

Project Name: Citrus County Central Landfill Project No.: 09207049.06
Phase 3 Expansion Project Log Updated: 01/14/11

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
015001-03A	Record Drawings (As-Builts) Part 1	01 50 01-1.04	10/01/10	NE	10/03/10 email
015001-03B	Record Drawings (As-Builts) Part 2	01 50 01-1.04	10/06/10	NE	10/08/10 email
015001-03C	Record Drawings (As-Builts) Part 3	01 50 01-1.04	10/08/10	NE	10/08/10 email
015001-03D	Record Drawings (As-Builts) Part 4	01 50 01-1.04	10/18/10 10/22/10	MC NE	10/18/10 email
015001-03E	Record Drawings (As-Builts) Part 5	01 50 01-1.04	10/22/10	NE	10/22/10 email
015001-03F	Record Drawings (As-Builts) Part 6	01 50 01-1.04	10/25/10	NE	10/25/10 email
015001-03G	Record Drawings (As-Builts) Part 7	01 50 01-1.04	10/29/10	MC	11/11/10 email
015001-03H	Record Drawings (As-Builts) Part 7 (resubmittal)	01 50 01-1.04	12/02/10	NE	12/02/10 email
015001-03I	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		
015005 Mobilization and Demobilization					
015005-01A	Required Insurance Certificates and Bonds	01 50 00-1.01	Provided to County		
015030 Protection of Existing Facilities					
015030-01A	Existing Utilities Locate Report	01 50 30-1.11	12/16/10	NE	12/30/10
016000 Materials and Equipment					
016000-01A	Manufacturer's Instructions on Product Delivery, Storage, and Handling	01 60 00-1.03	This is submitted with products		
025316 Leachate Collection, Detection Pump					

¹ Status

NE - No Exceptions Taken
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RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

Project Name: Citrus County Central Landfill Project No.: 09207049.06
 Phase 3 Expansion Project Log Updated: 01/14/11

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
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 Geosynthetic 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	NE	
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	01/10/11		
025615-06A	Warranties and Warranties Conditions	02 56 15-1.05			
025615-07A	GCL Product Data Sheet	02 56 15-1.05	07/16/10	NE	07/17/10 email
025615-08A	GCL Construction Quality 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
025615-11A	GCL Roll Certifications	02 56 15-1.05	08/30/10	NE	09/01/10 email
029041 Geosynthetic Rain Tarp					
029041-01A	Manufacturer's Tests Specs, Install Instructions, and Roll Dimensions	02 90 41-1.02	Submitted in 029041-02A		
029041-02A	Manufacturer's Evaluation Reports	02 90 41-1.02	08/30/10	NE	09/01/10 email
029041-03A	Geosynthetic Rain Tarp Layout	02 90 41-1.02	07/13/10	NE	07/17/10 email
029041-04A	Rain Tarp Product Data Sheet	02 90 41-1.02	07/16/10	NE	07/17/10 email

¹ Status

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MC - Make Corrections Noted
 RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
029041-05A	Geosynthetic Rain Tarp Layout - Revised	02 90 41-1.02	11/08/10	NE	11/08/10 email
029041-06A	Manufacturer's Evaluation Reports (3 additional rolls)	02 90 41-1.02	11/17/10	NE	11/23/10 email
160000 Electrical					
160000-01A	Field Testing Booklet	16 00 00-3.8			
310519 Geotextile					
310519-01A	Manufacturer's Prequalifications, Tests, Specs, Install Instructions, Roll Dimensions and Approval Form (Non-Woven Geotextile)	31 05 19-1.02	07/14/10	NE	07/17/10 email
310519-02A	Manufacturer's Evaluation Reports	31 05 19-1.02	08/18/10	NE	08/23/10 email
310519-03A	Product Data/Access Road Fabric (Woven Geotextile)	31 05 19-1.02	07/08/10 07/15/10	MC NE	07/12/10 email 07/16/10 email
310520 Triplanar Geocomposite					
310520-01A	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	07/14/10	AR	07/17/10 email
310520-01B	Triplanar Manufacturer's Experience of 5,000,000 sf	31 05 20-1.04	08/12/10	NE	08/13/10 email
310520-02A	Triplanar Prequalifications	31 05 20-1.04	Submitted in 310520-09A		
310520-03A	Triplanar Transmissivity	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-04A	Triplanar Roll Layout Drawings	31 05 20-1.04	07/13/10	NE	07/21/10 email
310520-05A	Triplanar Protection Method	31 05 20-1.04	08/04/10	NE	08/11/10 email
310520-06A	Triplanar Material Data and Specifications	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-08A	Triplanar Manufacturer's Installation Instructions	31 05 20-1.04	07/14/10	NE	07/17/10 email
310520-09A	Manufacturer's Triplanar Qualifications	31 05 20-1.04	08/12/10	NE	08/13/10 email

¹ **Status**

NE - No Exceptions Taken
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MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
310520-10A	Triplanar Geonet Resin	31 05 20-1.04	08/12/10	AR	08/16/10 email
310520-10B	Triplanar Geonet Resin	31 05 20-1.04	09/01/10	NE	09/01/10 email
310520-11A	Triplanar Transmissivity Test Results	31 05 20-1.04	08/12/10	NE	08/17/10 email
310520-12A	Triplanar MQC Production Dates and Test Results	31 05 20-1.04	08/12/10	NE	08/17/20 email
310520-13A	Tri-planar Production Dates and Tests Results (Batches 3 & 4)	31 05 20-1.04	09/22/10	NE	09/27/10 email
310521 Biplanar Geocomposite					
310521-01A	Biplanar Manufacturer's Experience of 5,000,000 sf	31 05 21-1.04	08/18/10	NE	08/20/10 email
310521-02A	Biplanar Prequalifications	31 05 21-1.04	Submitted in 310521-09A		
310521-03A	Biplanar Transmissivity	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-04A	Biplanar Roll Layout Drawings	31 05 21-1.04	07/13/10	NE	07/21/10 email
310521-05A	Biplanar Protection Method	31 05 21-1.04	08/18/10	NE	08/23/10 email
310521-06A	Biplanar Material Data and Specifications	31 05 21-1.04	07/14/10	NE	07/17/10 email
310521-07A	Manufacturer's Quality Assurance (MQC) Program	31 05 21-1.04	08/18/10	NE	08/23/10 email
310521-08A	Biplanar Manufacturer's Installation Instructions	31 05 21-1.04	08/30/10	NE	09/01/10 email
310521-09A	Manufacturer's Biplanar Qualifications	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-10A	Biplanar Geonet Resin	31 05 21-1.04	09/14/10	NE	09/14/10 email
310521-11A	Biplanar Transmissivity Test Results	31 05 21-1.04	08/18/10	NE	08/25/10 email
310521-12A	Biplanar MQC Production Dates and Test Results	31 05 21-1.04	Submitted in 310521-13A		
310521-13A	Biplanar Manufacturer's Production Dates and Test Results	31 05 21-1.04	09/09/10	NE	09/13/10 email
312000 Excavation, 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

SHOP DRAWING/SUBMITTAL LOG

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
312000-02A	QC Geotechnical Lab Data and Results	31 20 00-1.04	11/17/10	NE	11/23/10 email
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	Submitted in 015001		
312000-06A	Access Road Testing	31 20 00-1.04	08/02/10	Placed in 2 submittals 321216-01A and 321216-03A	
312000-07A	OSHA Regulations		09/27/10	NE	
313219 Geogrid					
313219-01A	Geogrid Manufacturer's Qualifications	31 32 19-1.04	08/19/10	AR	08/23/10 email
313219-01B	Geogrid Manufacturer's Qualifications	31 32 19-1.04	09/14/10	NE	09/14/10 email 01/06/11
313219-02A	Geogrid Installation Plan	31 32 19-1.04	07/22/10	NE	07/23/10 email
313219-03A	Geogrid Warranties	31 32 19-1.04	07/22/10	NE	08/02/10 email
313219-04A	Geogrid Resin Info and Quality Control Certificates	31 32 19-1.04	07/22/10	AR	08/04/10 Refer to 313219-07A
313219-05A	Geogrid Manufacturer Material Info and Quality Control Certificates (Biaxial Geogrid)	31 32 19-1.04	07/22/10 8/24/10	AR NE	08/02/10 8/24/10 (see -07A)
313219-06A	Geogrid Loading, Unloading, and Storage Recommendations	31 32 19-1.04	07/19/10	NE	07/19/10 email
313219-07A	Geogrid Roll Certifications (Biaxial Geogrid)	31 32 19-1.04	08/24/10	NE	08/25/10 email
313219-08A	Geogrid Record Drawings	31 32 19-1.04	Not necessary		
313219-09A	Geogrid Material Data (Biaxial Geogrid)	31 32 19-1.04	07/14/10	NE	07/17/10 email
313219-10A	10XT Uniaxial Geogrid Leachate Exposure		08/09/10	RR	08/13/10 Product not used RR N/A

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

Project Name: Citrus County Central Landfill Project No.: 09207049.06
Phase 3 Expansion Project Log Updated: 01/14/11

Submittal Number	Description	Specification Reference	Date Received	Status ¹	Date Returned
313219-11A	Uniaxial Geogrid	313219-1.04	08/17/10	NE	08/19/10 email
313219-12A	Uniaxial (22XT) Roll Certifications (15 Rolls)	313219-1.04	10/15/10	NE	10/15/10 email
316223 Cast-In-Place Concrete					
316223-01A	Cast-In-Place Concrete Product Data	31 62 23-1.05	11/18/10	Resubmittal 316223-01B	
316223-01B	Cast-In-Place Concrete Product Data	31 62 23-1.05	12/03/10 12/28/10	MC	12/30/10
316223-01C	Cast-In-Place Concrete Product Data	31 62 23-1.05	01/12/11		
321216 Asphalt Paving and Crushed Concrete					
321216-01A	Material Tests Reports	32 12 16-1.04	08/04/10	NE	08/11/10 email
321216-02A	Certification of Limerock Source	32 12 16-1.04	01/13/11		
321216-03A	Composition Analysis for LBR Lab Report	32 12 16-1.04	08/04/11	NE	08/11/10 email
329000 Seeding and Sodding					
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	N/A no Fabricator		
330520-03A	Installer Qualifications	33 05 20-1.04	08/11/10	NE	08/13/10 email
330520-04A	Material Warranty	33 05 20-1.04	08/11/10	AR	08/11/10 email
330520-04B	Material Warranty	33 05 20-1.04	09/14/10	NE	09/14/10 email
330520-05A	Geomembrane Resin Info and Quality Control Certificates	33 05 20-1.04	09/27/10	NE	10/01/10 email
330520-06B	Continuation of Material QC Certificates	33 05 20-1.04	09/29/10	NE	10/01/10 email
330520-05B	Continuation of Resin QC Certificate	33 05 20-1.04	09/29/10	NE	10/01/10 email

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
330520-06A	Geomembrane Manufacturer Material Info and Quality Control Certificates	33 05 20-1.04	09/27/10	NE	10/01/10 email
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	09/27/10	NE	10/01/10 email
330520-09B	Continuation of List Correlating QC	33 05 20-1.04	09/29/10	NE	10/01/10 email
330520-10A	HDPE Installation Plan	33 05 20-1.04	Data provided in other 330520-submittals		
330520-11A	HDPE Resin Quality Control Certificate	33 05 20-1.04	Submitted in 330520-05A and 330520-05B		
330520-12A	HDPE Manufacturer's Quality Control Roll Certificate	33 05 20-1.04	Submitted in 330520-06A and 330520-06B		
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	33 05 20-1.04	01/13/11		
330520-16A	HDPE Geomembrane Product Data Sheet	33 05 20-1.04	07/16/10	NE	07/16/10 email
330520-17A	Geomembrane Record Drawings - Primary Layer	33 05 20-1.04	01/13/11		
330520-18A	Geomembrane Record Drawings - Secondary Layer	33 05 20-1.04	01/13/11		
335110 Piping System					
335110-01A	Piping Material Suppliers Certifications and Recommendations	33 51 10-1.02			
335110-02A	Manufacturer Certification of Resin Spec Compliance	33 51 10-1.02			
335110-03A	Manufacturer Stress Regression testing	33 51 10-1.02	08/02/10	AR	08/11/10 email
335110-03B	Manufacturer Stress Regression testing	33 51 10-1.02	08/13/10	NE	08/17/10 email
335110-04A	Elbows and Fittings Details and Specs	33 51 10-1.02	08/02/10 08/20/10	AR NE	08/13/10 08/24/10

¹ Status

NE - No Exceptions Taken
 AR - Amend and Resubmit

MC - Make Corrections Noted
 RR - Rejected, Resubmit

SHOP DRAWING/SUBMITTAL LOG

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
335110-05A	Flow Meter Manufacturer and 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

¹ Status

NE - No Exceptions Taken
AR - Amend and Resubmit

MC - Make Corrections Noted
RR - Rejected, Resubmit

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	casey.stephens@bocc.citrus.fl.us
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b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@scsengineers.com
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c) Comanco Environmental Corporation

Bill Newman	813-434-5435	bnewman@comanco.com
Nick Bridges	813-323-3651	nbridges@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 mini-excavator.

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

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

[illegible]

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
Richard Neptune

casey.stephens@bocc.citrus.fl.us
Richard.neptune@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett 813-621-0080

dbramlett@scsengineers.com

c) Comanco Environmental Corporation

Bill Newman 813-434-5435

bnewman@comanco.com

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 mini-excavator.

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

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.

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	dbramlett@scsengineers.com
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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

Two dozers, one excavator, one loader, five men onsite, one trailer, and one mini-excavator.

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.

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.

December 28, 2010, 10:00 A.M.

SIGN IN SHEET

<u>NAME</u>	<u>COMPANY</u>	<u>CELL PHONE</u>	<u>EMAIL</u>
Bill NEWMAN	COMMANCO	813-434-5435	bnewman@Comanco.com
Troy Watral	Comanco	813 714-0980	twatral@comanco.com
CARMEN BRUND	CITRUS Co.	352-527-7670	CARMEN.BRUND@BOCC.CITRUS.FL.US
Dominique Bramlett	SCS Engineers	813-417-7597	dbramlett@scsengineers.com
Casey Stephens	Citrus Co	352-302-6890	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**

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 casey.stephens@bocc.citrus.fl.us

b) SCS Engineers

Dominique Bramlett 813-621-0080 dbramlett@scsengineers.com

c) Comanco Environmental Corporation

Bill Newman 813-434-5435 bnewman@comanco.com

1) Progress Meeting #23

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

- Comanco will be working this Saturday. County CQA personnel will 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.

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.

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
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b) SCS Engineers

Dominique Bramlett	813-621-0080	dbramlett@scsengineers.com
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c) Comanco Environmental Corporation

Bill Newman	813-434-5435	bnewman@comanco.com
Troy Watral	813-714-0980	twatral@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

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

[illegible]

ATTACHMENT C

CONSTRUCTION PHOTOGRAPHS
DURING REPORTING PERIOD

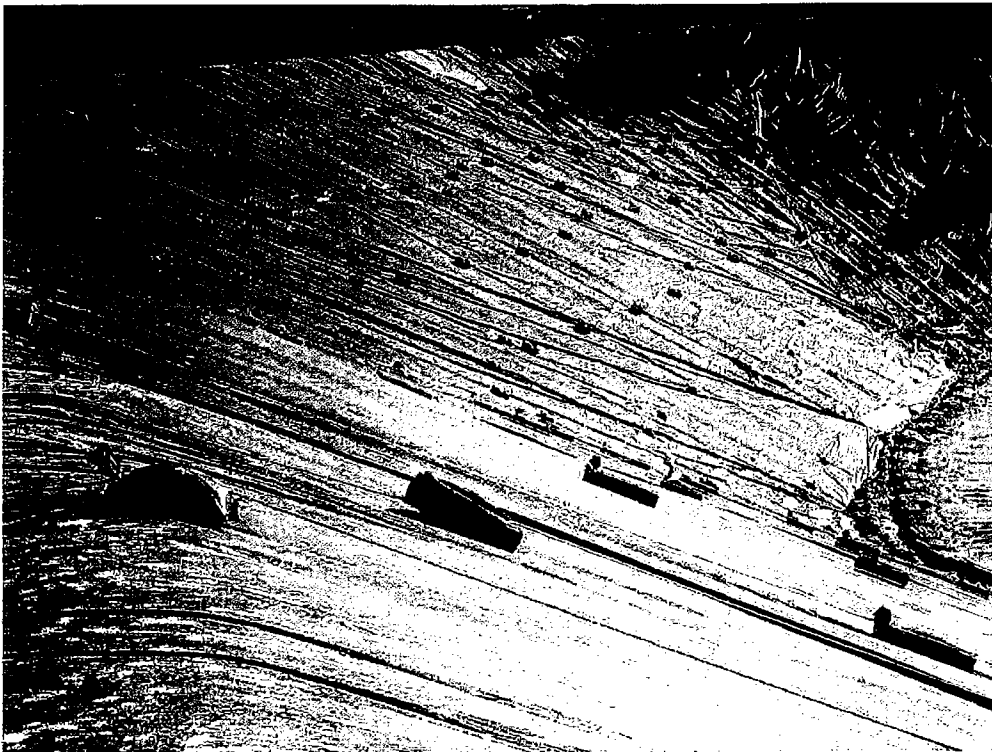
Citrus County Central Landfill Phase 3 Expansion Project
 Photos – December 15, 2010 to December 31, 2010
 ITB 040-10

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



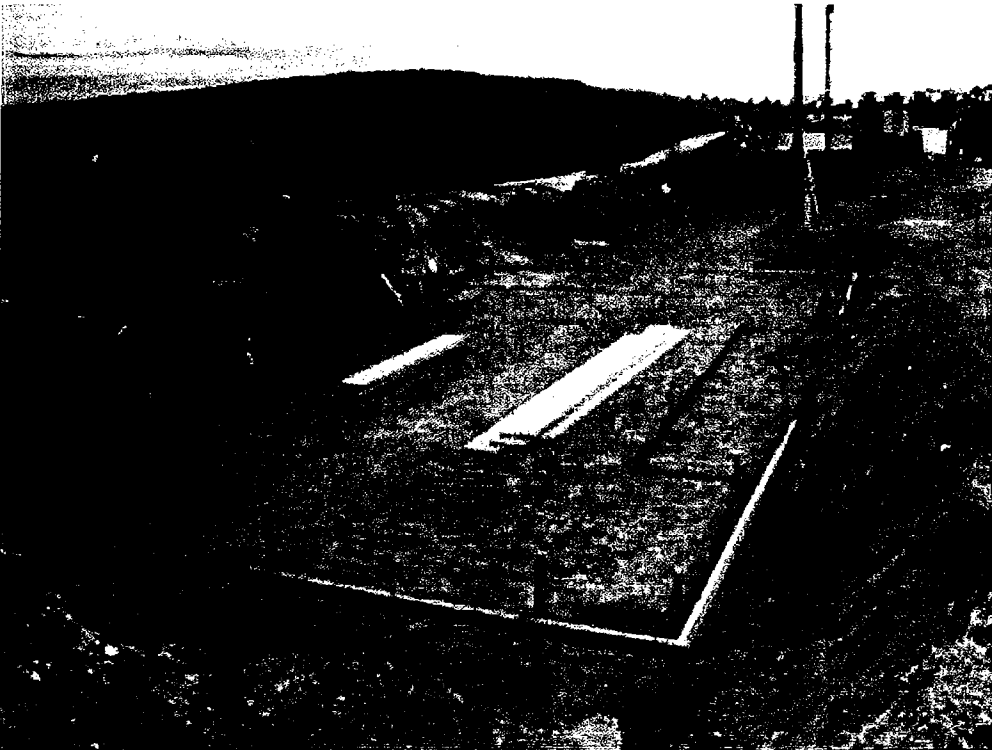
File 1



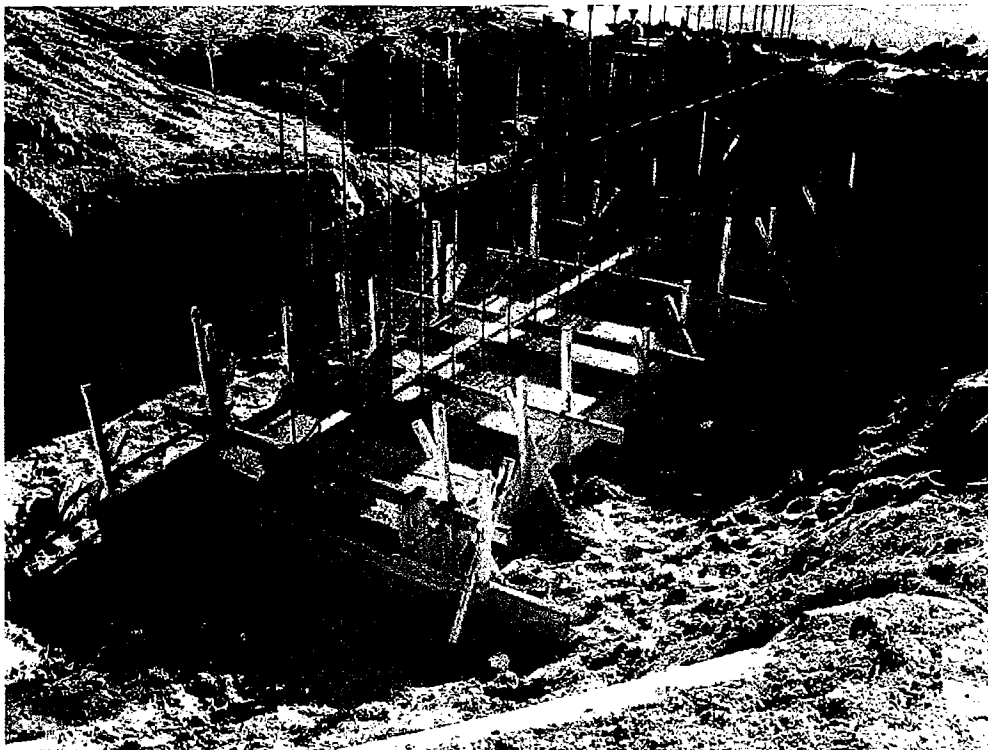
File 2



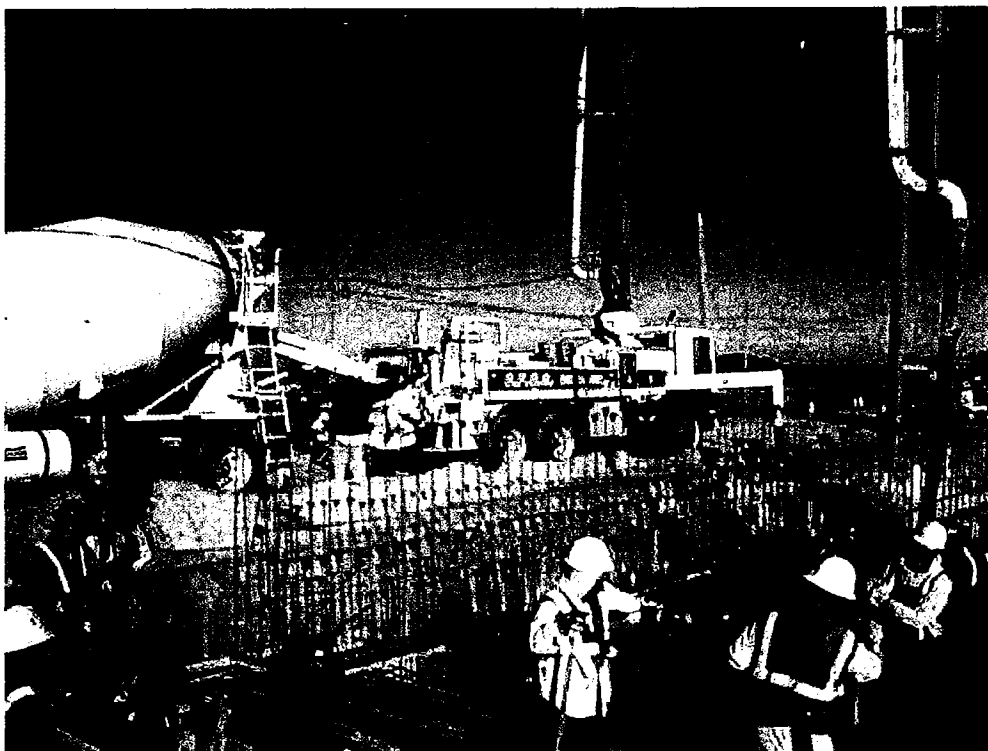
File 3



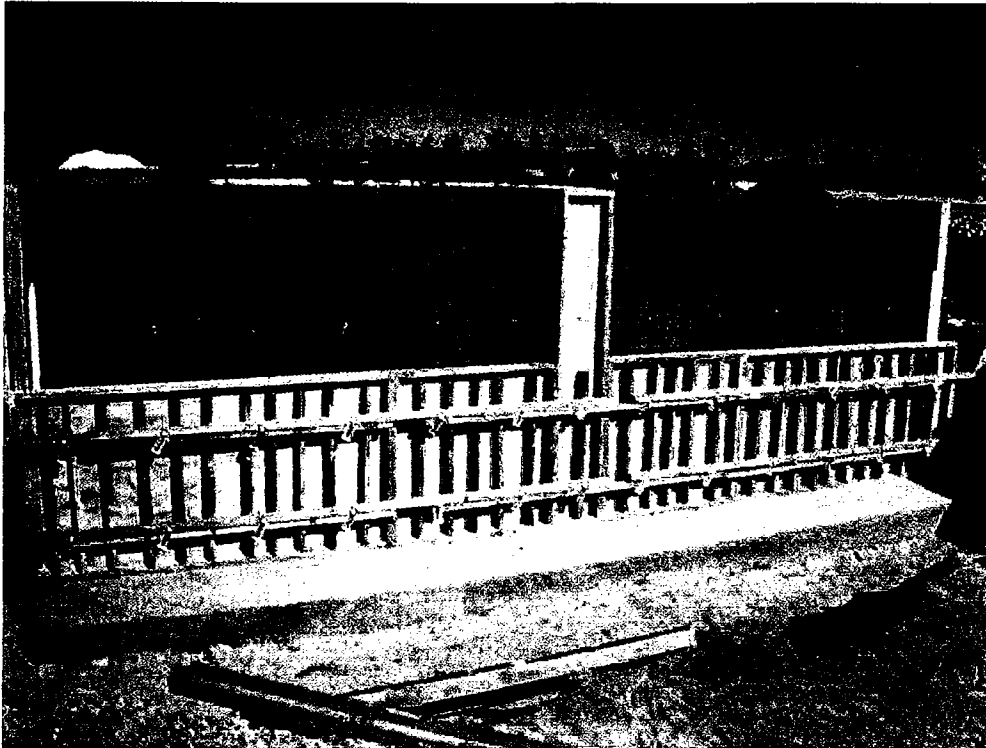
File 4



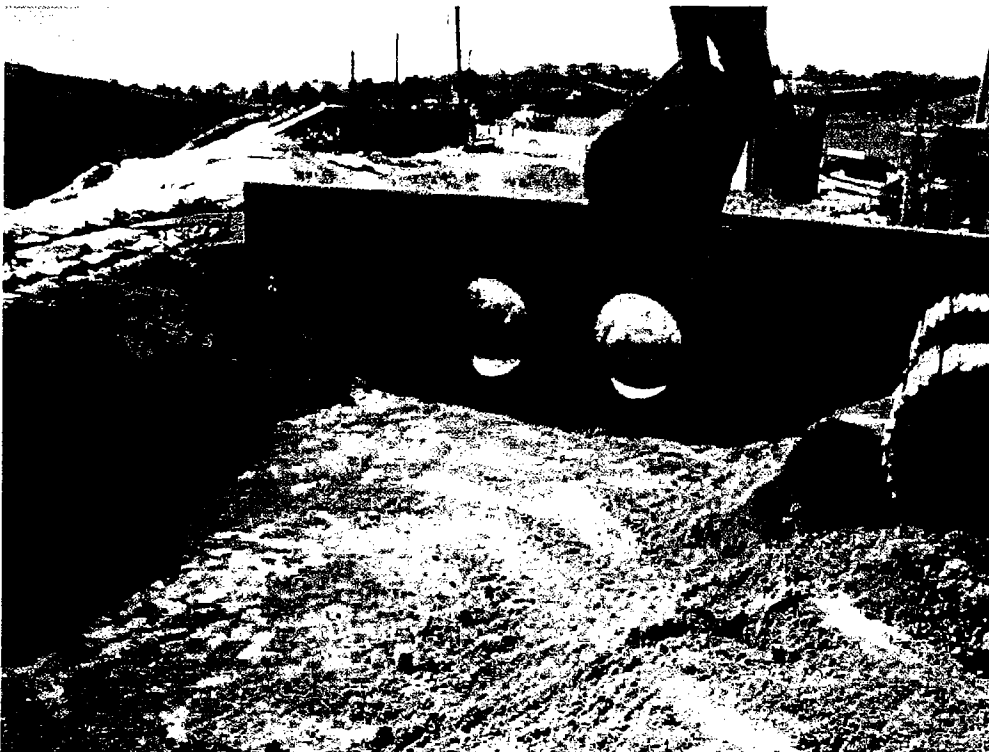
File 5



File 6

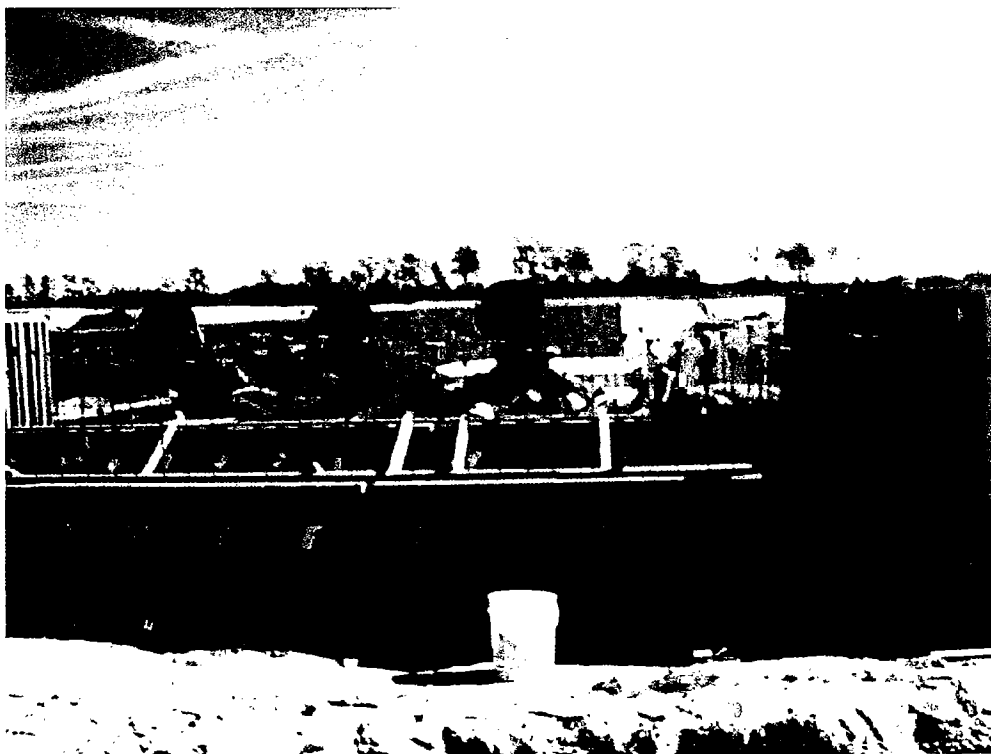


File 7



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

Citrus County Central Landfill Phase 3 Expansion Project
 Photos – January 1, 2011 to January 15, 2011
 ITB 040-10

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.

Citrus County Central Landfill Phase 3 Expansion Project
Photos – January 1, 2011 to January 15, 2011
ITB 040-10

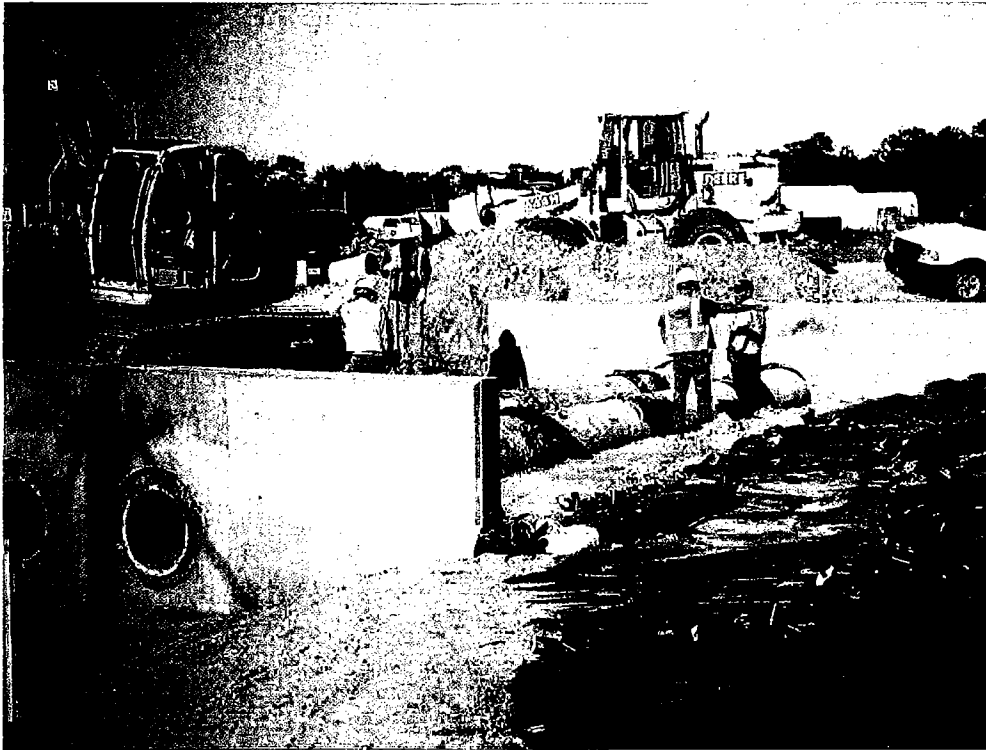


File 1



File 2

Citrus County Central Landfill Phase 3 Expansion Project
Photos – January 1, 2011 to January 15, 2011
ITB 040-10

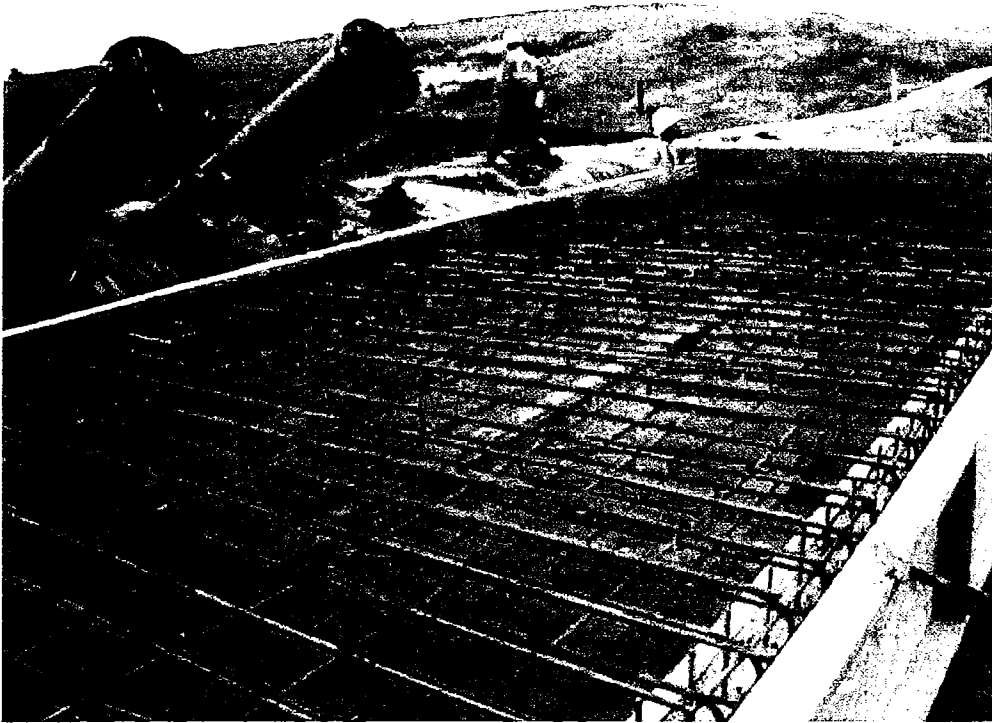


File 3



File 4

Citrus County Central Landfill Phase 3 Expansion Project
Photos – January 1, 2011 to January 15, 2011
ITB 040-10

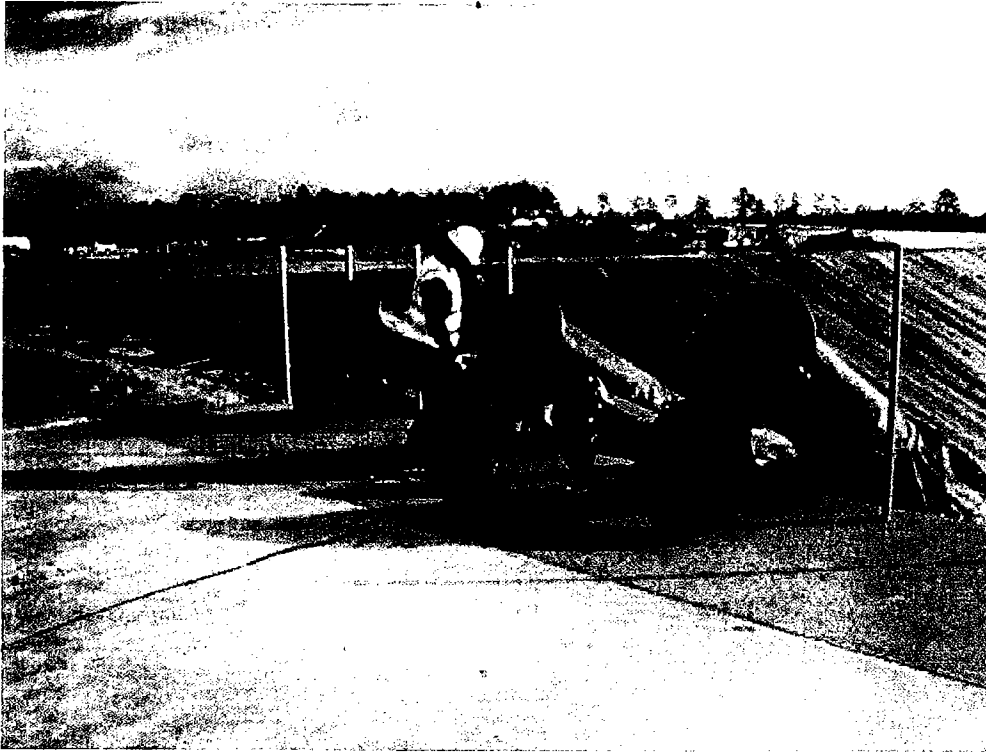


File 5



File 6

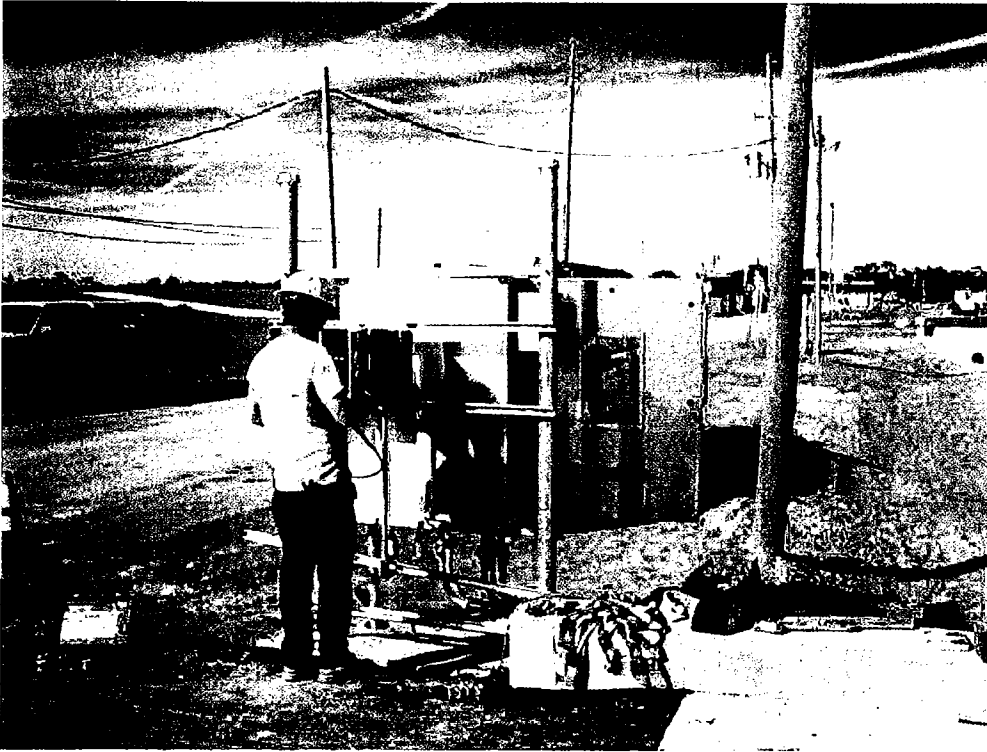
Citrus County Central Landfill Phase 3 Expansion Project
Photos – January 1, 2011 to January 15, 2011
ITB 040-10



File 7



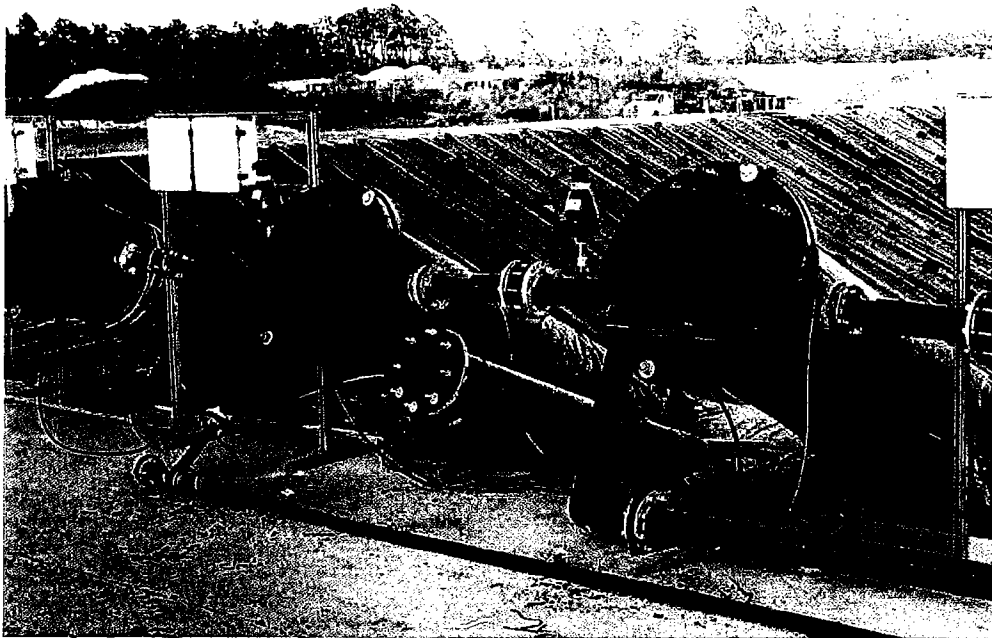
File 8



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

Table 2 Comparison Of Woven Geotextile Properties

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

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

SCS Engineers

CERTIFICATE OF SUB-BASE ACCEPTANCE

Installer: CUMANCO

Project name:

Central Landfill Phase 3

Expansion Project

Address: 4301 STERLING COMMERCE DR.

Project location:

PLANT CITY, FL. 33566

Owner:

Citrus County BOCC

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF _____

(Geosynthetic Installer)

DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)

S-1	TO S-14				
EAST SLOPE AREA APPROX. 33,949 SF.					

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.

Amulfo Martinez
NAME

SUP.
TITLE

[Signature]
SIGNATURE

10-08-10
DATE

Certification received by SCS

PAUL SIRIBOURY
NAME

DESIGNER/DRAFTER
TITLE

[Signature]
SIGNATURE

10/5/10
DATE

SCS Engineers

CERTIFICATE OF SUB-BASE ACCEPTANCE

Installer: COMANCO Project name: Central Landfill Phase 3
Address: 4301 STERLING COUNTRY DR. Project location: Expansion Project
PLANT CITY, FL 33566
Owner: Citrus County BOCC

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF _____
(Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)

S-15 TO S-29					
NORTH SLOPE AREA APPROX. 42,502 SF.					

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.

Arnulfo Madinez SUP.
NAME TITLE
[Signature] 10.06.10
SIGNATURE DATE

Certification received by SCS

PAUL STAIRBOURY DESIGNER/DRAFTER
NAME TITLE
[Signature] 10/6/10
SIGNATURE DATE

SCS Engineers

CERTIFICATE OF SUB-BASE ACCEPTANCE

Installer: COMANCO Project name: Central Landfill Phase 3
Address: 4301 STERLING COMMERCE M. Project location: Expansion Project
PLANT CITY, FL 33566
Owner: Citrus County BOCC

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF _____
(Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)

S-30	TO S-41				
NORTH	SLOPE AREA APPROX.	38,157	500	50.	

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.

Arnulfo Martinez
NAME
[Signature]
SIGNATURE

SUP.
TITLE
10-07-10
DATE

Certification received by SCS

PAUL SIRIBOUKY
NAME
[Signature]
SIGNATURE

DESIGNER / DRAFTER
TITLE
10/7/10
DATE

SCS Engineers

CERTIFICATE OF SUB-BASE ACCEPTANCE

Installer: COMANCO Project name: Central Landfill Phase 3 Expansion Project

Address: 4301 STERLING COMMERCIAL Project location: PLANT CITY, FL 33566

Owner:

Citrus County BOCC

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF _____
(Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)

S-42	TO	S-56			

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.

ARNULFO MARTINEZ
NAME

[Signature]
SIGNATURE

SUP.
TITLE

10-20-10
DATE

Certification received by SCS

PAUL SIRIBOURN
NAME

[Signature]
SIGNATURE

DESIGNER/DRAFTER
TITLE

10/20/10
DATE

SCS Engineers

CERTIFICATE OF SUB-BASE ACCEPTANCE

Installer: COMANCO

Project name: Central Landfill Phase 3

Expansion Project

Address: 4301 STERLING COMMERCE DR.

Project location: _____

PLANT CITY, FL 33566

Owner: _____

Citrus County BOCC

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF _____

(Geosynthetic Installer)

DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)

5-57	TO 5-67				

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.

ARNULFO MARTINEZ

NAME

SUP.

TITLE

[Signature]

SIGNATURE

10-21-10

DATE

Certification received by SCS

PAUL SIMBOUKY

NAME

DESIGNER/DRAFTER

TITLE

[Signature]

SIGNATURE

10/26/10

DATE

SCS Engineers

CERTIFICATE OF SUB-BASE ACCEPTANCE

Installer: COMANCO Project name: Central Landfill Phase 3 Expansion Project
Address: 4301 STERLING COMMERCE DR Project location: _____
PLANT CITY, FL 33566
Owner: Citrus County BOCC

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF _____
(Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)

5.68	TO 5.77				

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.

ARNULFO MARTINEZ SUP.
NAME TITLE
[Signature] 10-27-10
SIGNATURE DATE

Certification received by SCS

PAUL SIRIBOUAY DESIGNER/DRAFTER
NAME TITLE
[Signature] 10/27/10
SIGNATURE DATE

SCS Engineers

CERTIFICATE OF SUB-BASE ACCEPTANCE

Installer: COMANCO

Project name:

Central Landfill Phase 3
Expansion Project

Address: 4301 STERLING COMMERCIAL
PLANT CITY, FL 33566

Project location:

Owner:

Citrus County BOCC

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF _____

(Geosynthetic Installer)

DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)

5-78	to	5-85				

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.

ARNULFO MARTINEZ SUP.
NAME TITLE
[Signature] 10-28-10
SIGNATURE DATE

Certification received by SCS

PAUL SIRIBOURY DESIGNER/DRAFTER
NAME TITLE
[Signature] 10/28/10
SIGNATURE DATE

SCS Engineers

CERTIFICATE OF SUB-BASE ACCEPTANCE

Installer: COMANCO

Project name: Central Landfill Phase 3

Expansion Project

Address: 4301 STERLING COMMERCE
PLANT CITY, FL 33566

Project location: _____

Owner: _____

Citrus County BOCC

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF _____

(Geosynthetic Installer)

DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)

5-86 TO 5-114					

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.

ARNULFO MARTINEZ
NAME

SUP-
TITLE

[Signature]
SIGNATURE

10-29-10
DATE

Certification received by SCS

PAUL STRIBOUK
NAME

DESIGNER/DRAFTER
TITLE

[Signature]
SIGNATURE

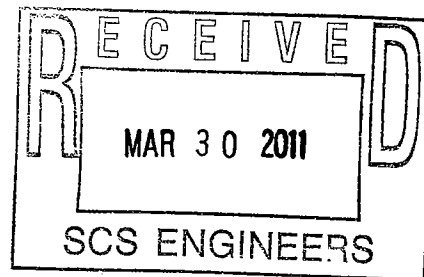
10/29/10
DATE

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.


James Kenney
Branch Manager


Jeffrey H.W. Begovich, P.E.
Senior Vice President
Fla. License No. 51869

cc: File

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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

Field Density Report

Report No: FDR:0390309-1

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
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: 8/2/2010

Project: CITRUS COUNTY PH 3 EXPANSION

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 Test (in)	Wet Density (lb/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: SOUTH ACCESS ROAD 0 = TOP OF 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

Comments



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

Field Density Report

Report No: FDR:0390309-3

Issue No: 2

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: 8/9/2010

Project: CITRUS COUNTY PH 3 EXPANSION

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 (in)	Wet Density (lb/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General 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

Comments



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

Field Density Report

Report No: FDR:0390309-4

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: 8/9/2010

Project: CITRUS COUNTY PH 3 EXPANSION

Testing Details

Tested By: Robert Byrns

Field Methods: ASTM D 6938

Lab Methods: ASTM D 1557 - 07

Date Tested: 7/27/2010

Gauge Type: Troxler

Model Number: 3430

Serial Number: 37378

Test Mode: Direct Transmission

Standard Count: Density: 2492

Standard Count: Moisture: 648

Test Results

Test No	Depth of Test (in)	Wet Density (lb/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: BASE COURSE LIMEROCK 0 = TOP OF 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

Comments



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

Field Density Report

Report No: FDR:0390309-5

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
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

Project: CITRUS COUNTY PH 3 EXPANSION

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
Test Mode: Direct Transmission
Standard Count: Moisture: 657
Serial Number: 37378
Standard Count: Density: 2496

Test Results

Test No	Material	Depth of Test (in)	Wet Density (lb/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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	6	133.7	14.5	116.8	101.5	≥98

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: BASE COURSE - S. ACCESS ROAD 2ND 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-S1	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

Comments



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

Field Density Report

Report No: FDR:0390309-6

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: 9/1/2010

Project: CITRUS COUNTY PH 3 EXPANSION

Testing Details

Tested By: Robert Byrns

Field Methods: ASTM D 6938

Lab Methods: ASTM D 698 - 07

Date Tested: 8/16/2010

Gauge Type: Troxler

Model Number: 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/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: CELL #3 FILL MATERIAL 0 = BOTTOM OF 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

Comments



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

Field Density Report

Report No: FDR:0390309-7

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: 9/1/2010

Project: CITRUS COUNTY PH 3 EXPANSION

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/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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 No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	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

Comments



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Field Density Report

Report No: FDR:0390309-8

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: 9/1/2010

Project: CITRUS COUNTY PH 3 EXPANSION

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/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General 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

Comments



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Field Density Report

Report No: FDR:0390309-9

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: 9/23/2010

Project: CITRUS COUNTY PH 3 EXPANSION

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

Serial Number: 37927

Test Mode: Direct Transmission

Standard Count: Density: 2755

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	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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
General Location: FILL SOILS - W. SIDE OF CELL 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-S3	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

Comments



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Field Density Report

Report No: FDR:0390309-9

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

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Project: CITRUS COUNTY PH 3 EXPANSION

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 9/23/2010

Location and Compaction

Test Location No	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General 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-S3	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

Comments



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Phone: (727) 868-9526
Fax: (727) 868-0094

Field Density Report

Report No: FDR:0390309-10

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: 9/30/2010

Project: CITRUS COUNTY PH 3 EXPANSION

Testing Details

Tested By: Dan Ryan

Field Methods: ASTM D 6938

Lab Methods: ASTM D 698 - 07

Date Tested: 9/16/2010

Gauge Type: Troxler

Model Number: 3430

Serial Number: 37927

Test Mode: Direct Transmission

Standard Count: Density: 2750

Standard Count: Moisture: 705

Test Results

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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
General 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

Comments



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Eng Certificate Of Authorization 3684
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Fax: (727) 868-0094

Field Density Report

Report No: FDR:0390309-11

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: 10/22/2010

Project: CITRUS COUNTY PH 3 EXPANSION

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/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: TOP OF SLOPE TIE INS 0 = TOP OF 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
General Location: SLOPES OF CELL #3 0 = TOP OF 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

Comments



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Phone: (727) 868-9526
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Field Density Report

Report No: FDR:0390309-11

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: 10/22/2010

Project: CITRUS COUNTY PH 3 EXPANSION

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General 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

Comments



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Field Density Report

Report No: FDR:0390309-12

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 10/22/2010

Project: CITRUS COUNTY PH 3 EXPANSION

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/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: NATURAL GROUND NORTH SLOPE 0 = TOP OF NATURAL GROUND					
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

Comments



Professional Service Industries, Inc.
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Fax: (727) 868-0094

Field Density Report

Report No: FDR:0390309-13

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

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Project: CITRUS COUNTY PH 3 EXPANSION

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: 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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft³)	OMC (%)
General Location: SLOPES FOR CELL #3 0 = TOP OF SLOPE, ELEV. 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
General 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

Comments



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

Field Density Report

Report No: FDR:0390309-14

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
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: 11/2/2010

Project: CITRUS COUNTY PH 3 EXPANSION

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 Results

Test No	Material	Depth of Test (in)	Wet Density (lb/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: NATURAL GROUND BOTTOM OF LANDFILL 0 = TOP OF NATURAL GROUND, ELEV. 0-1					
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-S2	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

Comments



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Field Density Report

Report No: FDR:0390309-14

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

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Project: CITRUS COUNTY PH 3 EXPANSION

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 11/2/2010

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: NATURAL GROUND NORTH SLOPE 0 = TOP OF NATURAL GROUND, 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

Comments



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Fax: (727) 868-0094

Field Density Report

Report No: FDR:0390309-16

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: 12/1/2010

Project: CITRUS COUNTY PH 3 EXPANSION

Testing Details

Tested By: Robert Byrns

Field Methods: ASTM D 6938

Lab Methods: ASTM D 1557 - 07

Date Tested: 11/11/2010

Gauge Type: Troxler

Model Number: 3430

Serial Number: 36461

Test Mode: Direct Transmission

Standard Count: Density: 2442

Standard Count: Moisture: 698

Test Results

Test No	Depth of Test (in)	Wet Density (lb/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	Relative Compaction (%)	Limit
1	12	129.7	13.6	114.2	99.5	≥95
2	12	125.3	10.8	113.1	98.6	≥95

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: 16" PIPE CASING FOR FORCEMAIN TO PUMP 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	0390309-1-S3	ASTM D 1557 - 07	114.7	9.8

Comments



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Fax: (727) 868-0094

Field Density Report

Report No: FDR:0390309-17

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: 12/14/2010

Project: CITRUS COUNTY PH 3 EXPANSION

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 No	Depth of Test (in)	Wet Density (lb/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	Relative Compaction (%)	Limit
1	12	117.3	7.3	109.3	95.3	≥95

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: CULVERT BOX SLAB 0 = SLAB ON GRADE					
1	12' E. & 12' S. OF NW CORNER OF SLAB, 0-1	0390309-1-S3	ASTM D 1557 - 07	114.7	9.8

Comments



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Field Density Report

Report No: FDR:0390309-24

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: 1/10/2011

Project: CITRUS COUNTY PH 3 EXPANSION

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	Depth of Test (in)	Wet Density (lb/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: PIPE BACKFILL 24" PIPE 0 = SPRINGLINE OF 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



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Field Density Report

Report No: FDR:0390309-25

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: 1/10/2011

Project: CITRUS COUNTY PH 3 EXPANSION

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
Test Mode: Direct Transmission
Standard Count: Moisture: 684
Serial Number: 36461
Standard Count: Density: 2438

Test Results

Test No	Depth of Test (in)	Wet Density (lb/ft ³)	Moisture Content (%)	Dry Density (lb/ft ³)	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

Location and Compaction

Test No	Location	MDD Soil ID	MDD Method	MDD (lb/ft ³)	OMC (%)
General Location: PIPE BACKFILL 24" STORM SEWER @NW CORNER 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



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

Proctor Test Report

Report No: PTR:0390309-1-S2

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: 8/2/2010

Project: CITRUS COUNTY PH 3 EXPANSION

Sample Details

Sample ID: 0390309-1-S2

Date Sampled: 7/22/2010

Sampling Method:

Source:

Material: Grayish brown Silty Sand

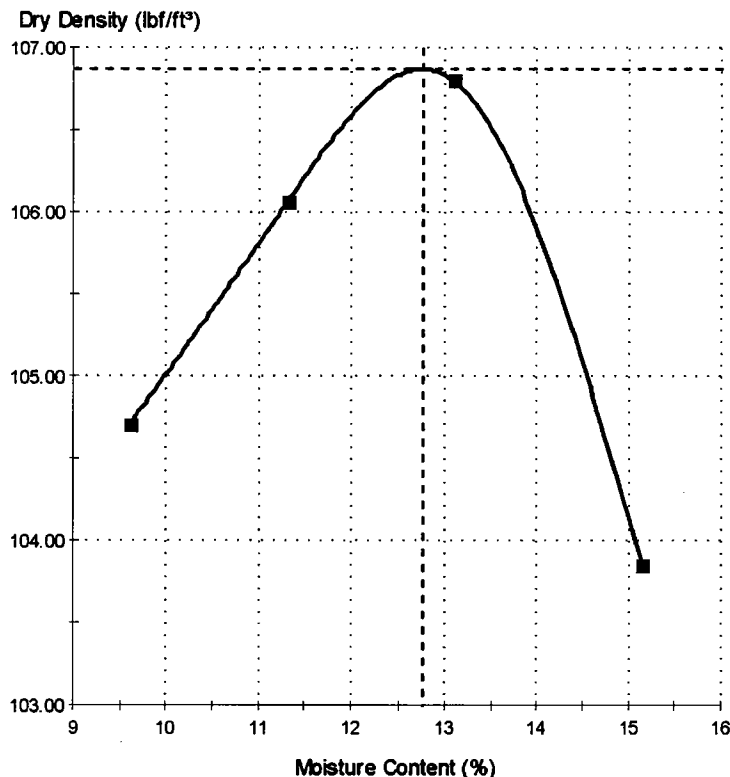
Specification:

Location:

Tested By: William McGinn

Date Tested: 7/26/2010

Dry Density - Moisture Content Relationship



Test Results

ASTM D 1557 - 07

Maximum Dry Density (lb/ft³): 106.9

Optimum Moisture Content (%): 12.8

Method:

Preparation Method:

Comments



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Hudson, FL 34667
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Phone: (727) 868-9526
Fax: (727) 868-0094

Proctor Test Report

Report No: PTR:0390309-1-S3

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

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Project: CITRUS COUNTY PH 3 EXPANSION

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 8/2/2010

Sample Details

Sample ID: 0390309-1-S3

Date Sampled: 7/22/2010

Sampling Method:

Source:

Material: Brown silty sand w trace limerock

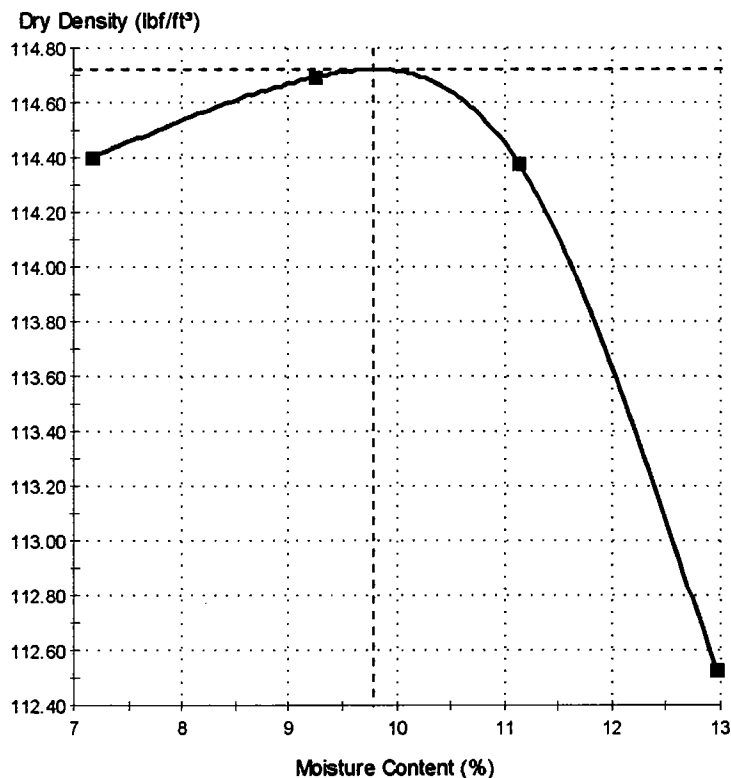
Specification: 95

Location: Brownish Yellow Silty SAND

Tested By: William McGinn

Date Tested: 7/26/2010

Dry Density - Moisture Content Relationship



Test Results

ASTM D 1557 - 07

Maximum Dry Density (lb/ft³): 114.7

Optimum Moisture Content (%): 9.8

Method:

Preparation Method:

Comments



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Phone: (727) 868-9526
Fax: (727) 868-0094

Proctor Test Report

Report No: PTR:0390309-5-S1

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

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Project: CITRUS COUNTY PH 3 EXPANSION

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: Brownish yellow fine sand

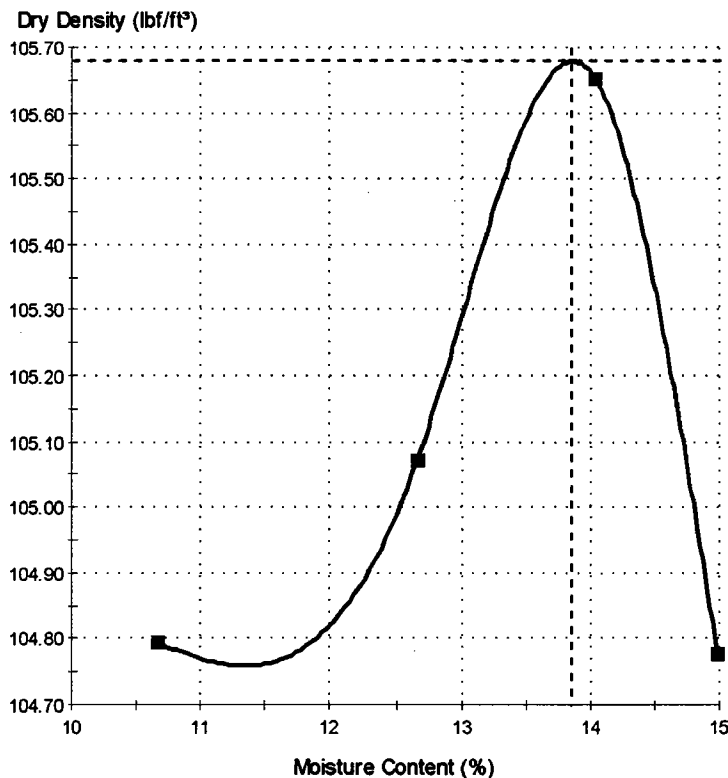
Specification:

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 (lb/ft³): 105.7

Optimum Moisture Content (%): 13.9

Method:

Preparation Method:

Comments

STOCKPILE - IMPORTED MATERIAL



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Hudson, FL 34667
Eng Certificate Of Authorization 3684
Phone: (727) 868-9526
Fax: (727) 868-0094

Proctor Test Report

Report No: PTR:0390309-5-S2

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

Project: CITRUS COUNTY PH 3 EXPANSION

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Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 8/9/2010

Sample Details

Sample ID: 0390309-5-S2

Date Sampled: 7/30/2010

Sampling Method:

Source:

Material: Yellow Fine SAND

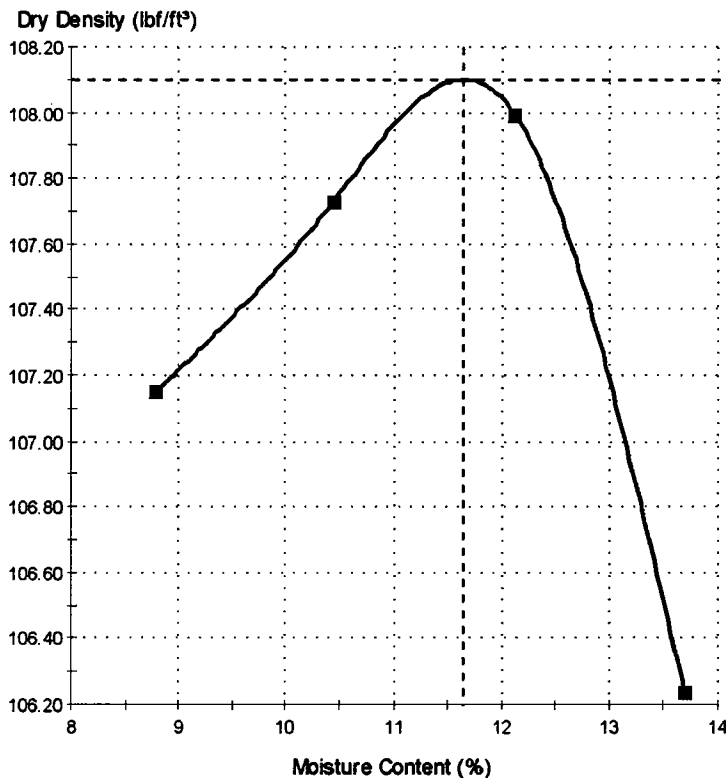
Specification:

Location: 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 (lb/ft³): 108.1

Optimum Moisture Content (%): 11.6

Method:

Preparation Method:

Comments

NATURAL GROUND MATERIAL



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Hudson, FL 34667
Eng Certificate Of Authorization 3684
Phone: (727) 868-9526
Fax: (727) 868-0094

Proctor Test Report

Report No: PTR:0390309-5-S3

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

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Project: CITRUS COUNTY PH 3 EXPANSION

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

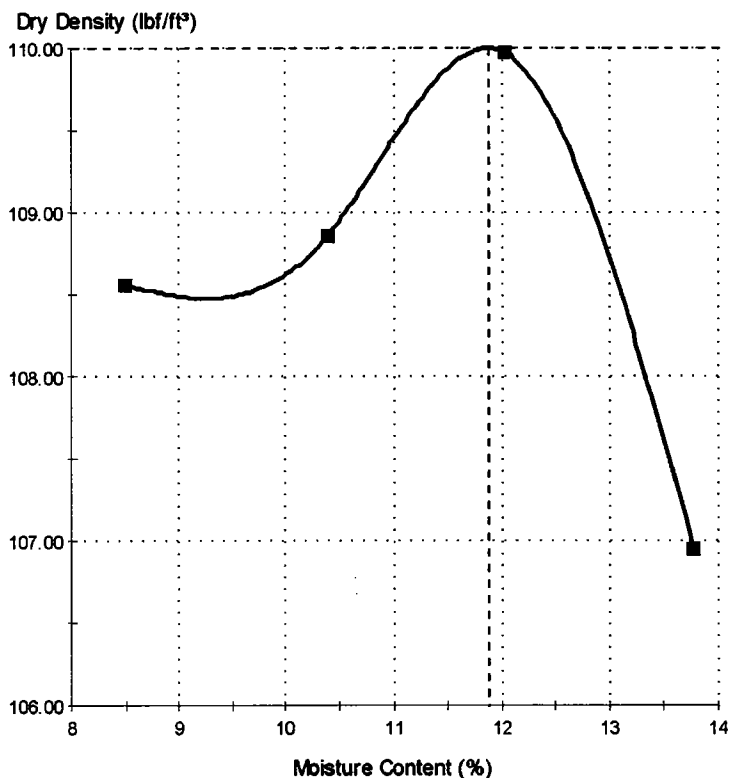
Specification:

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 (lb/ft³): 110.0

Optimum Moisture Content (%): 11.9

Method:

Preparation Method:

Comments

NATURAL GROUND MATERIAL



Professional Service Industries, Inc.
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Phone: (727) 868-9526
Fax: (727) 868-0094

Proctor Test Report

Report No: PTR:0390309-10-S1

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

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Project: CITRUS COUNTY PH 3 EXPANSION

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

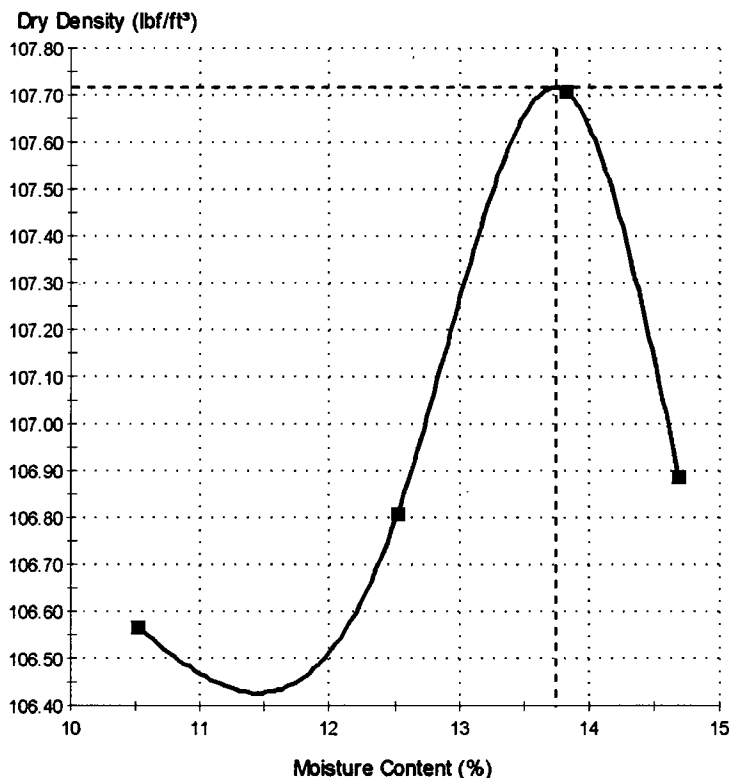
Specification:

Location:

Tested By: William McGinn

Date Tested: 9/20/2010

Dry Density - Moisture Content Relationship



Test Results

ASTM D 698 - 07

Maximum Dry Density (lb/ft³): 107.7

Optimum Moisture Content (%): 13.7

Method:

Preparation Method:

Comments



Professional Service Industries, Inc.
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Hudson, FL 34667
Eng Certificate Of Authorization 3684
Phone: (727) 868-9526
Fax: (727) 868-0094

Proctor Test Report

Report No: PTR:0390309-14-S1

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

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Project: CITRUS COUNTY PH 3 EXPANSION

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 11/2/2010

Sample Details

Sample ID: 0390309-14-S1

Date Sampled: 10/25/2010

Sampling Method:

Source:

Material: Light Gray Silty SAND

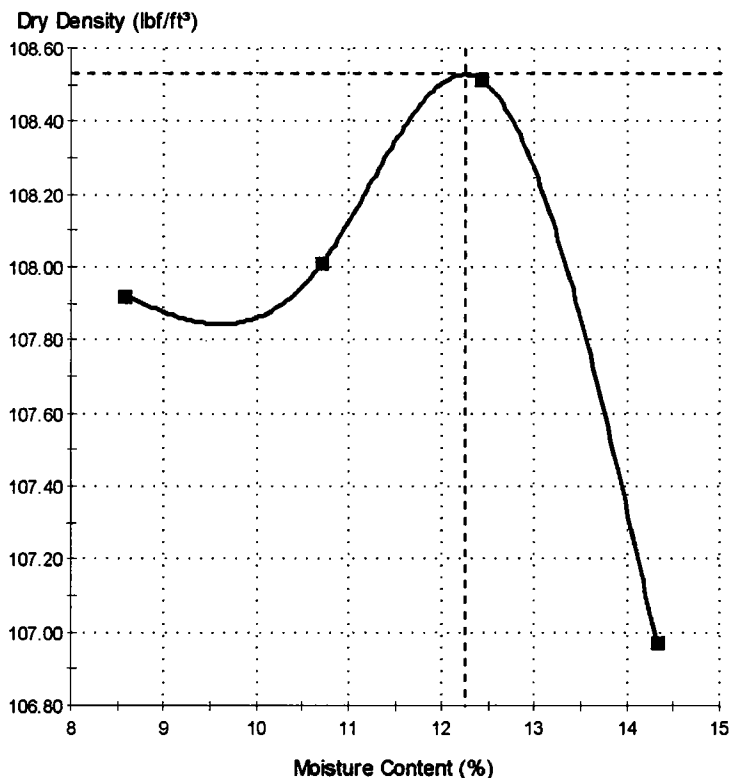
Specification:

Location:

Tested By: William McGinn

Date Tested: 11/2/2010

Dry Density - Moisture Content Relationship



Test Results

ASTM D 698 - 07

Maximum Dry Density (lb/ft³): 108.5

Optimum Moisture Content (%): 12.2

Method:

Preparation Method:

Comments



Professional Service Industries, Inc.
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Hudson, FL 34667
Eng Certificate Of Authorization 3684
Phone: (727) 868-9526
Fax: (727) 868-0094

Proctor Test Report

Report No: PTR:0390309-15-S1

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

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Project: CITRUS COUNTY PH 3 EXPANSION

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 11/23/2010

Sample Details

Sample ID: 0390309-15-S1

Date Sampled: 11/5/2010

Sampling Method:

Source:

Material: Pale Brown Fine Sand

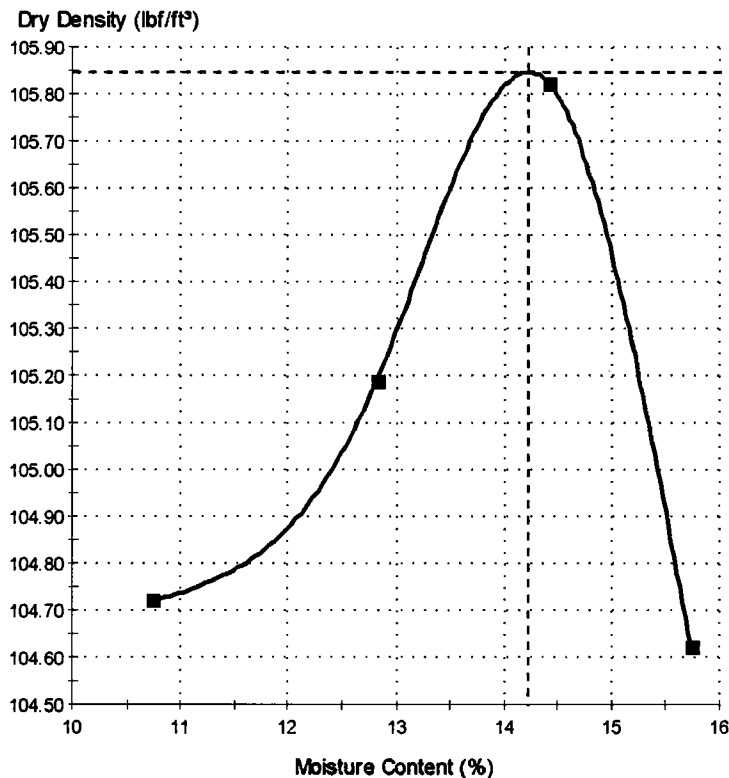
Specification:

Location: STOCKPILE ONSITE MATERIAL

Tested By: William McGinn

Date Tested: 11/9/2010

Dry Density - Moisture Content Relationship



Test Results

ASTM D 698 - 07

Maximum Dry Density (lb/ft³): 105.8

Optimum Moisture Content (%): 14.2

Method:

Preparation Method:

Comments



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 Field Report

Report No: FC:0390309-19

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

General Field Data

Technician: Robert Byrns

Test Date: 12/20/2010

Weather: Clear

Test Results

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

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)
0390309-19-C1	GULFCOAST	3500 R	3500
0390309-19-C2	GULFCOAST	3500 R	3500

Notes

Remarks



Professional Service Industries, Inc.
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Phone: (727) 868-9526
Fax: (727) 868-0094

Concrete Test Report

Report No: CON:0390309-19-C1

Issue No: 2

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: 1/18/2011

Project: CITRUS COUNTY PH 3 EXPANSION

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

General Location HEAD WALLS
Sample Location NW CORNER OF CELL #3 FOOTINGS SLABS
Curing Method One day Field/Laboratory Cure
Field Sample No **Field Cure Temp (°F)** High Low

Contractor
Truck No. 108 **Ticket No.** 56602

Sampled By Robert Byrns

Submitted By

Weather Clear

Est. Wind (mph) **Yd³ Placed** 9.0

Est. Rh (%)

	ASTM C 143	Measured	Specified
Slump (in)		3.50	
Slump w/ plasticizer (in)		N/A	
Air Temp (°F)		35	
Concrete Temp (°F)	ASTM C 1064	57	
Air Content (%)	ASTM C 231		
Unit Weight (pcf)	ASTM C 138		
Batch Size (yd³)		9	
Water Added (gal)	Before After		
Time Batched		07:11	
Time Sampled		07:45	
Time Placed		08:00	
Time In Truck (mins)		49	

Compressive Strength of Concrete Cylinders

ASTM C 39

Specimen ID	Date Tested	Age (days)	Dimensions (in) Diameter Height	Area (in ²)	Type of Cap	Ultimate Load (lbf)	Type of Fracture	Compressive Strength (psi)	Required Strength (psi)
0390309-19-C11	12/27/10	7	4.05 8.00	12.85		62354	3	4850	
0390309-19-C12	01/17/11	28	4.04 8.00	12.82		67808	3	5290	3500
0390309-19-C13	01/17/11	28	4.06 8.00	12.91		68034	5	5270	3500
0390309-19-C14		Hold							3500

Average 28 Day Compressive Strength (psi) 5280

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

Failure Mode: 3 = C39: Vert cracking/no cones; C1314: Cone & Split, 5 = C39: Side fracture-opposite ends; C1314: Semi-Conical Break



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Fax: (727) 868-0094

Concrete Test Report

Report No: CON:0390309-19-C2

Issue No: 2

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

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Project: CITRUS COUNTY PH 3 EXPANSION

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/18/2011

Mix Data

Supplier GULF COAST
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

General Location CULVERT BOX
Sample Location CULVERT BOX FOR CELL #3 FOOTING SLAB
Curing Method One day Field/Laboratory Cure
Field Sample No Field Cure Temp (°F) High Low

Contractor
Truck No. 103 Ticket No. 56603
Sampled By Robert Byrns
Submitted By
Weather Clear
Est. Wind (mph) Yd³ Placed 18.0
Est. Rh (%)

	Measured	Specified
Slump (in)	4.00	
Slump w/ plasticizer (in)	N/A	
Air Temp (°F)	40	
Concrete Temp (°F)	60	
Air Content (%)	ASTM C 231	
Unit Weight (pcf)	ASTM C 138	
Batch Size (yd ³)	9	
Water Added (gal)	Before After	
Time Batched	07:45	
Time Sampled	08:15	
Time Placed	09:40	
Time In Truck (mins)	115	

Compressive Strength of Concrete Cylinders

ASTM C 39

Specimen ID	Date Tested	Age (days)	Dimensions (in) Diameter Height	Area (in ²)	Type of Cap	Ultimate Load (lbf)	Type of Fracture	Compressive Strength (psi)	Required 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

Average 28 Day Compressive Strength (psi) 4960

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

Failure Mode: S = C39: Side fracture-opposite ends; C1314: Semi-Conical Break



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Fax: (727) 868-0094

Concrete Field Report

Report No: FC:0390309-21

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

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Project: CITRUS COUNTY PH 3 EXPANSION

Approved Signatory: James Kenney (Branch Manager)

Date of Issue: 1/3/2011

General Field Data

Technician: Edward Sylvester

Test Date: 12/28/2010

Weather: Clear

Test Results

Set No.	Specimens Made	Ticket	Time Batched	Time Unloaded	Cubic Yards Placed	Slump (in)	Air Temp. (°F)	Concrete Temp. (°F)
0390309-21-C1	4	35001	10:35	11:45	7.0	3.25	38	63

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	3500

Notes

Remarks



Professional Service Industries, Inc.
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Eng Certificate Of Authorization 3684
Phone: (727) 868-9526
Fax: (727) 868-0094

Concrete Test Report

Report No: CON:0390309-21-C1

Issue No: 2

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: 1/27/2011

Project: CITRUS COUNTY PH 3 EXPANSION

Mix Data

Supplier GULF COAST
Mix Identification 3500 R
Specified Design Strength (psi) 3500 at age 28 days

Details of Sample

Date Sampled 12/28/2010 **Date Received** 12/29/2010

General Location RETAINING WALL DUMP AREA
Sample Location RIGHT SIDE OF RETAINING WALL DUMP
Curing Method Field Cure
Field Sample No **Field Cure Temp (°F)** High Low

Contractor
Truck No. 109 **Ticket No.** 35001
Sampled By Edward Sylvester

Submitted By
Weather Clear
Est. Wind (mph) **Yd³ Placed** 7.0
Est. Rh (%)

	Measured	Specified
Slump (in) ASTM C 143	3.25	
Slump w/ plasticizer (in)	N/A	
Air Temp (°F)	38	
Concrete Temp (°F) ASTM C 1064	63	
Air Content (%) ASTM C 231		
Unit Weight (pcf) ASTM C 138		
Batch Size (yd³)	7	
Water Added (gal) Before After		
Time Batched	10:35	
Time Sampled	11:30	
Time Placed	11:45	
Time In Truck (mins)	70	

Compressive Strength of Concrete Cylinders

ASTM C 39

Specimen ID	Date Tested	Age (days)	Dimensions (in) Diameter Height	Area (in ²)	Type of Cap	Ultimate Load (lbf)	Type of Fracture	Compressive Strength (psi)	Required Strength (psi)
0390309-21-C111	01/04/11	7	4.05 8.00	12.85		46822	5	3640	
0390309-21-C112	01/25/11	28	4.05 8.00	12.85		65219	1	5080	3500
0390309-21-C113	01/25/11	28	4.05 8.00	12.88		64741	1	5030	3500
0390309-21-C114		Hold							3500

Average 28 Day Compressive Strength (psi) 5060

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

Failure Mode: 1 = C39: Cones on both ends; C1314: Conical Break, 5 = C39: Side fracture-opposite ends; C1314: Semi-Conical Break



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Concrete Field Report

Report No: FC:0390309-22

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

General Field Data

Technician: Edward Sylvester

Test Date: 12/29/2010

Weather: Clear

Test Results

Set No.	Specimens Made	Ticket	Time Batched	Time Unloaded	Cubic Yards Placed	Slump (in)	Air Temp. (°F)	Concrete Temp. (°F)
0390309-22-C1	4	59748	12:35	13:35	9.0	3.50	58	71

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



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Phone: (727) 868-9526
Fax: (727) 868-0094

Concrete Test Report

Report No: CON:0390309-22-C1

Issue No: 2

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: 1/27/2011

Project: CITRUS COUNTY PH 3 EXPANSION

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

General Location CONCRETE BOX (TOP OF LANDFILL)
Sample Location STRUCTURAL CONCRETE BOX - CENTER OF
Curing Method One day Field/Laboratory Cure
Field Sample No **Field Cure Temp (°F)** High
Low

Contractor
Truck No. 103 **Ticket No.** 59748

Sampled By Edward Sylvester

Submitted By

Weather Clear

Est. Wind (mph) **Yd³ Placed** 9.0

Est. Rh (%)

	Measured	Specified
Slump (in)	3.50	
Slump w/ plasticizer (in)	N/A	
Air Temp (°F)	58	
Concrete Temp (°F)	71	ASTM C 1064
Air Content (%)		ASTM C 231
Unit Weight (pcf)		ASTM C 138
Batch Size (yd³)	9	
Water Added (gal)	Before After	
Time Batched	12:35	
Time Sampled	13:15	
Time Placed	13:35	
Time In Truck (mins)	60	

Compressive Strength of Concrete Cylinders

ASTM C 39

Specimen ID	Date Tested	Age (days)	Dimensions (in) Diameter Height	Area (in ²)	Type of Cap	Ultimate Load (lbf)	Type of Fracture	Compressive Strength (psi)	Required 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

Failure Mode: 3 = C39: Vert cracking/no cones; C1314: Cone & Split, 5 = C39: Side fracture-opposite ends; C1314: Semi-Conical Break



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Phone: (727) 868-9526
Fax: (727) 868-0094

Concrete Field Report

Report No: FC:0390309-25

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: 1/10/2011

Project: CITRUS COUNTY PH 3 EXPANSION

General Field Data

Technician: Robert Byrns

Test Date: 1/4/2011

Weather: Clear

Test Results

Set No.	Specimens Made	Ticket	Time Batched	Time Unloaded	Cubic Yards Placed	Slump (in)	Air Temp. (°F)	Concrete Temp. (°F)
0390309-25-C1	4	59791	14:40	15:13	9.0	4.00	67	77

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

Remarks



Professional Service Industries, Inc.
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Hudson, FL 34667
Eng Certificate Of Authorization 3684
Phone: (727) 868-9526
Fax: (727) 868-0094

Concrete Test Report

Report No: CON:0390309-25-C1

Issue No: 2

Client: SCS ENGINEERS
4041 PARK OAKS BLVD, SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE BRAMLETT

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Project: CITRUS COUNTY PH 3 EXPANSION

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** 1/5/2011

General Location BOX CULVERT TOP
Sample Location BOX CULVERT TOP PHASE 3
Curing Method One day Field/Laboratory Cure
Field Sample No **Field Cure Temp (°F)** High Low

Contractor
Truck No. 101 **Ticket No.** 59791
Sampled By Dan Ryan
Submitted By
Weather Clear
Est. Wind (mph) **Yd³ Placed** 9.0
Est. Rh (%)

	Measured	Specified
Slump (in)	4.00	
Slump w/ plasticizer (in)	N/A	
Air Temp (°F)	67	
Concrete Temp (°F)	77	ASTM C 1064
Air Content (%)		ASTM C 231
Unit Weight (pcf)		ASTM C 138
Batch Size (yd³)	9	
Water Added (gal)	Before After	
Time Batched	14:40	
Time Sampled	15:00	
Time Placed	15:13	
Time In Truck (mins)	33	

Compressive Strength of Concrete Cylinders

ASTM C 39

Specimen ID	Date Tested	Age (days)	Dimensions (in) Diameter Height	Area (in ²)	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

Failure Mode: 5 = C39: Side fracture-opposite ends; C1314: Semi-Conical Break

RESULTS OF LABORATORY TESTING

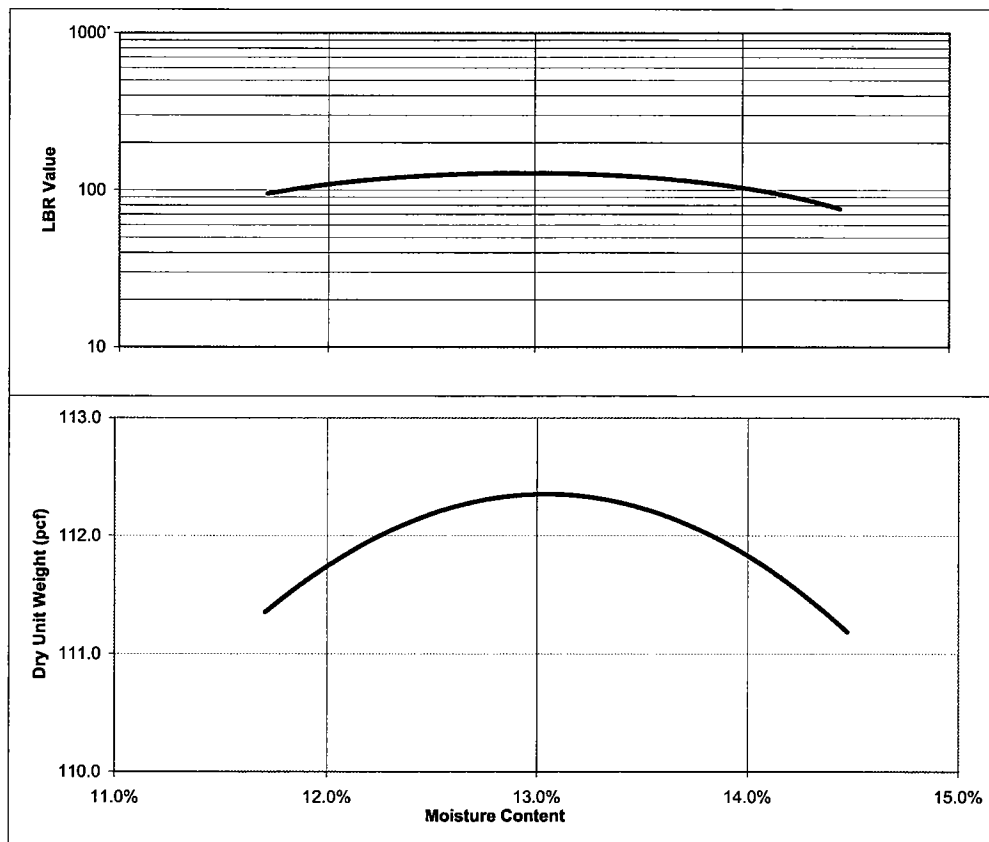
Tested For: Dominique Bramlett
SCS Engineers
4041 Park Oaks Blvd., Suite 100
Tampa, FL 33610

Project: Citrus County Landfill
Phase 3 Expansion

Date: 7/22/2010

Project No. 0390309
Report No. 1

LBR & MOISTURE-DENSITY RELATIONSHIP



LBR Value 123
Maximum Density 112.5 pcf
Optimum Moisture 13.0 %
Test Method: FSTM FM 5-515
Sampled by: PSI

Description: Limerock

Intended Use: Base Course

Sample Location: Stockpile Imported Material

Soil Classification: A-1-b (Non-Plastic)

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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RESULTS OF LABORATORY TESTING

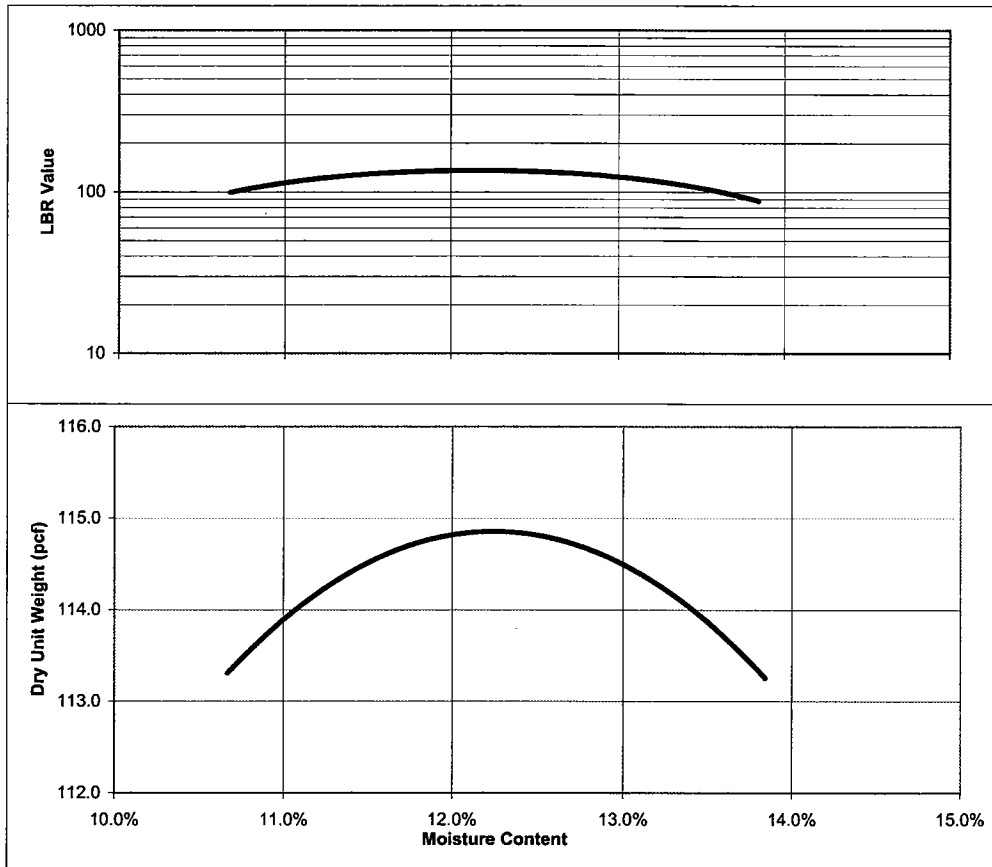
Tested For: Dominique Bramlett
SCS Engineers
4041 Park Oaks Blvd., Suite 100
Tampa, FL 33610

Project: Citrus County Landfill
Phase 3 Expansion

Date: 7/26/2010

Project No. 0390309
Report No. 3

LBR & MOISTURE-DENSITY RELATIONSHIP



LBR Value 135
Maximum Density 115.0 pcf
Optimum Moisture 12.5 %
Test Method: FSTM FM 5-515
Sampled by: PSI

Description: Limerock
Intended Use: Base Course
Sample Location: Roadway

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 Classification (USCS)-(AASHTO): Orange Fine Sand

Location: Roadway off site material
for protective drainage sand 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_{avg}	4.5205	D_{avg}	2.85375

Measurements

L_{avg}	4.5205 (in)
D_{avg}	2.85375 (in)
A	6.40 (in ²)
A	41.27 (cm ²)
L_{avg}	11.48 (cm)
a	1.87 (cm ²)
V	473.8 (cm ³)

Density Calculations

Ws + Ww + Wc =	1402.12 (gms)
Wc =	453.45 (gms)
Ws + Ww =	948.67 (gms)
Wet Density =	125.0 (PCF)
Dry Density =	110.1 (PCF)

Moisture Content

Ws + Ww + Wc =	111.11 (gms)
Ws + Wc =	103.83 (gms)
Ww =	7.28 (gms)
Wc =	50.16 (gms)
Ws =	53.67 (gms)
Moisture Content =	13.6 (%)

#200 Sieve Wash Analysis

H1	H2	h1	h2	Elapsed Time	D Time (Sec)	K = (cm/s)
0	5	48	43	42		0.001363
0	10	48	38	89		0.001366
0	15	48	33	143		0.001364
0	5	48	28	206		0.001362
0	5	48	43	42		0.001363

Ws + Wc (Before) =	103.83 (gms)
Ws + Wc (After) =	102.86 (gms)
Wc =	50.16 (gms)
Ws (Before) =	53.67 (gms)
Ws (After) =	52.7 (gms)
Percent Passing =	1.8 %

K_{avg}	0.001363 (cm/sec)	K_{avg}	3.8649471 (ft/day)
-----------	-------------------	-----------	--------------------

OK ✓ $1.363 \times 10^{-3} \frac{cm}{sec}$ Spec $5.2 \times 10^{-4} \frac{cm}{sec}$
(not less than)

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 Classification (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
$L_{avg} = 4.55875$	$D_{avg} = 2.8695$

Measurements

Density Calculations

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	h1	h2	Elapsed Time	D Time (Sec)	K = (cm/s)
0	2	53.1	51.1	795		2.61E-05
0	3	53.1	50.1	1214		2.59E-05
0	4	53.1	49.1	1693		2.5E-05
0	5	53.1	48.1	2183		2.45E-05
0	2	53.1	51.1	795		2.61E-05

$Ws + Wc$ (Before) =	96.95 (gms)
$Ws + Wc$ (After) =	92.08 (gms)
$Wc =$	38.74 (gms)
Ws (Before) =	58.21 (gms)
Ws (After) =	53.34 (gms)
Percent Passing =	8.4 %

$K_{avg} = 2.56E-05$ (cm/sec) $K_{avg} = 0.0724367$ (ft/day)

final

*Spec 5.2×10^{-4} cm/sec
for protective cover*

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

on site material

Length Measurements (Sample)

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

Measurements

Density 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 (%)
$V =$	439.6 (cm ³)				

#200 Sieve Wash Analysis

H1	H2	h1	h2	Elapsed Time	D Time (Sec)	K = (cm/s)
0	2	52.6	50.6	544		0.000035
0	3	52.6	49.6	815		0.000035
0	4	52.6	48.6	1105		0.000035
0	5	52.6	47.6	1386		0.000035

$Ws + Wc\ (Before) =$	177.68 (gms)
$Ws + Wc\ (After) =$	169.97 (gms)
$Wc =$	32.05 (gms)
$Ws\ (Before) =$	145.63 (gms)
$Ws\ (After) =$	137.92 (gms)
$Percent\ Passing =$	5.3 %

$K_{avg} = 2.802E-05\ (cm/sec)$ $K_{avg} = 0.0794346\ (ft/day)$

*material fails
specifications*

*for protective drainage sand
 $k = 5.2 \times 10^{-4}\ cm/sec$*



Daily Field 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: DFR:0390309-2/1

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD
SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE
BRAMLETT

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

Date: 7/23/2010 **Technician:** Robert Byrns

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.



Daily Field 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: DFR:0390309-20/1

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD
SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE
BRAMLETT

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

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

Daily Field Report

Report No: DFR:0390309-23/1

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD
SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE
BRAMLETT

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

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.



Daily Field 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: DFR:0390309-26/1

Issue No: 1

Client: SCS ENGINEERS
4041 PARK OAKS BLVD
SUITE 100
TAMPA, FL 33610

CC: DOMINIQUE
BRAMLETT

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.

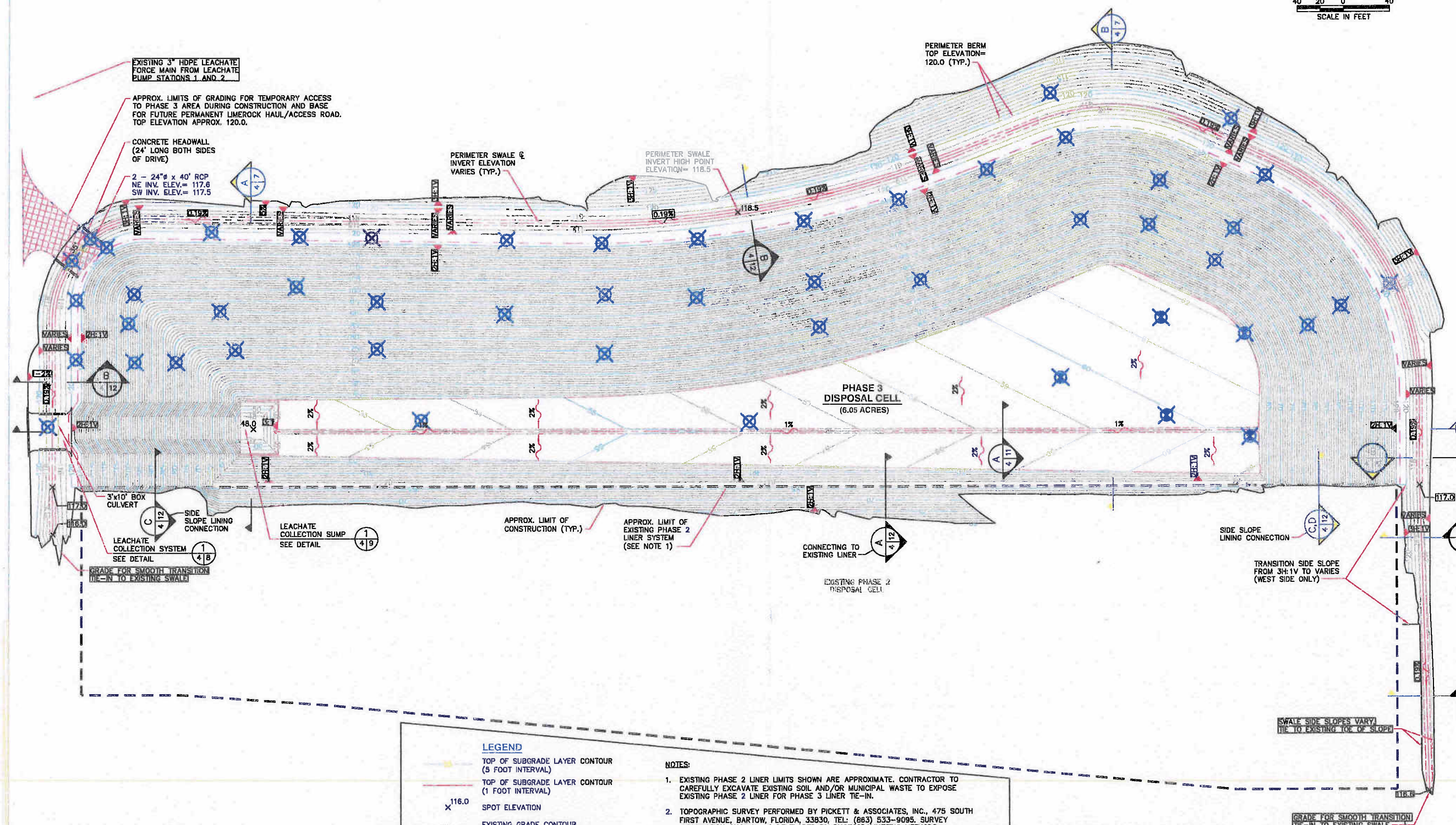
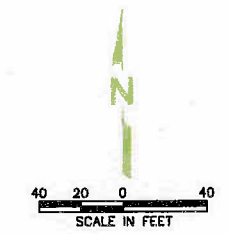
Approved Signatory: James Kenney (Branch Manager)
Date of Issue: 1/10/2011

Date: 1/5/2011

Technician: 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



- LEGEND**
- TOP OF SUBGRADE LAYER CONTOUR (5 FOOT INTERVAL)
 - TOP OF SUBGRADE LAYER CONTOUR (1 FOOT INTERVAL)
 - SPOT ELEVATION
 - EXISTING GRADE CONTOUR (5 FOOT INTERVAL) 04/08/09 SURVEY
 - EXISTING GRADE CONTOUR (1 FOOT INTERVAL) 04/08/09 SURVEY
 - SURFACE WATER FLOW/SLOPE DIRECTION
 - APPROXIMATE LIMIT OF EXISTING PHASE 2 DISPOSAL CELL (SEE NOTE 1)
 - LIMIT OF PHASE 3 DISPOSAL CELL (AT TOP OF SLOPE)
 - PHASE 3 LINER ANCHOR TRENCH TURN-DOWN POINT (OUTSIDE PERIMETER)

- NOTES:**
- EXISTING PHASE 2 LINER LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR TO CAREFULLY EXCAVATE EXISTING SOIL AND/OR MUNICIPAL WASTE TO EXPOSE EXISTING PHASE 2 LINER FOR PHASE 3 LINER TIE-IN.
 - TOPOGRAPHIC SURVEY PERFORMED BY PICKETT & ASSOCIATES, INC., 475 SOUTH FIRST AVENUE, BARTOW, FLORIDA, 33830, TEL: (863) 533-9095. SURVEY INFORMATION SHOWN WAS DEVELOPED BY PHOTOGRAMMETRIC METHODS BASED ON AN AERIAL PHOTO DATE OF APRIL 8, 2009.
 - CONTRACTOR SHALL PROVIDE TEMPORARY FACILITIES COMPATIBLE WITH PROPOSED IMPROVEMENTS AND COMPATIBLE WITH COUNTY OPERATIONS, FOR DIVERTING STORM WATER RUNOFF FROM ACTIVE LANDFILL, SO THAT CONSTRUCTION CAN BE ACCOMPLISHED IN ACCORDANCE WITH SPECIFICATIONS. SEE SPECIFICATION SECTION 312000 FOR EXCAVATION PLAN REQUIREMENTS.
 - ALL FINISHED SLOPES GREATER THAN 10% OUTSIDE THE ANCHOR TRENCH LIMIT SHALL BE SODDED. SOD ON SLOPES GREATER THAN 3:1 SHALL BE PINNED. CONTRACTOR SHALL STABILIZE ALL TEMPORARY SLOPES TO MINIMIZE EROSION.

- LEGEND**
- CELL BANK LIFT LOCATION
 - IN-PLACE DENSITY LOCATION

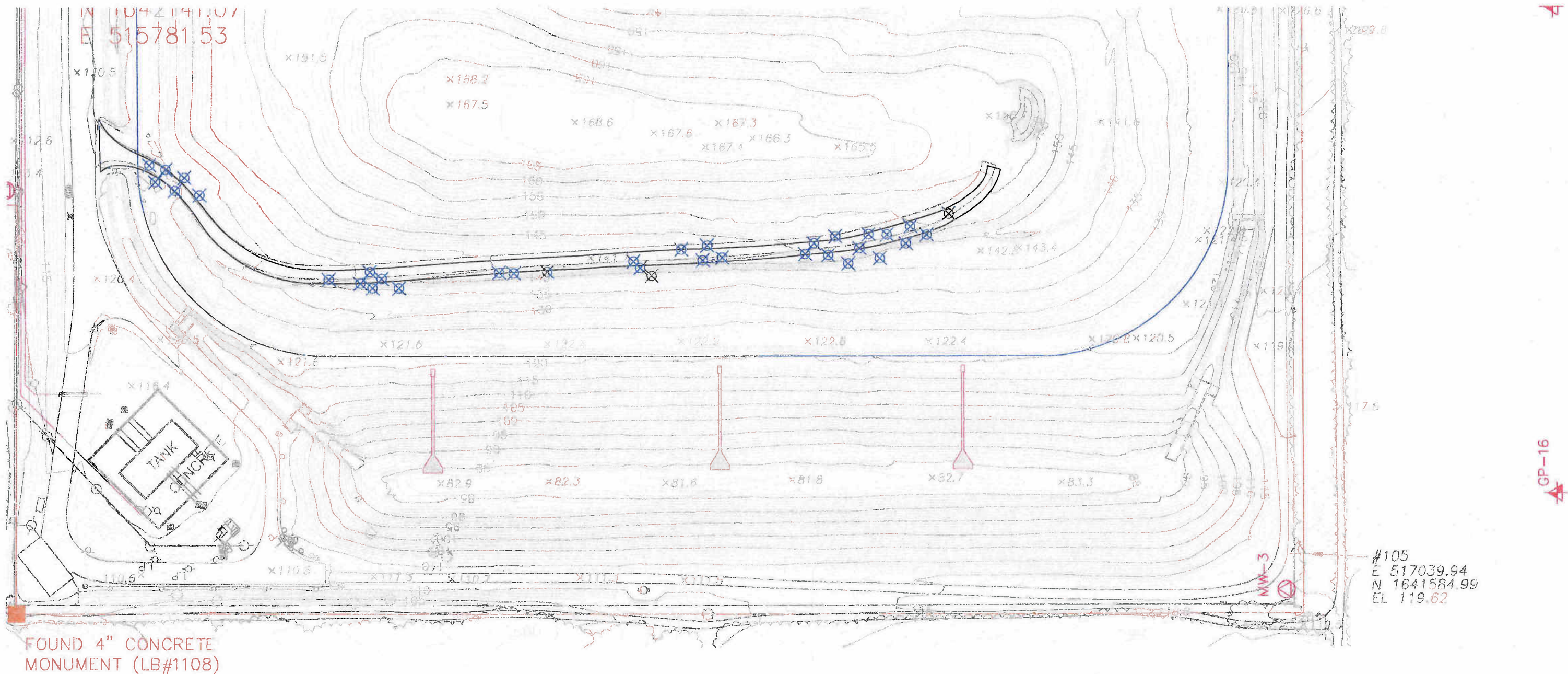
REV	DATE	DESCRIPTION	BY
0	4/11/10	ISSUED FOR BID	DHB
1	6/22/10	CONFORMED	DHB

CADD FILE:	UTTERGRADING
DATE:	APRIL 2010
SCALE:	AS SHOWN
DRAWING NO.	4 of 19

CLIENT	CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA
DRAWING TITLE	SITE GRADING PLAN
PROJECT TITLE	CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT CONSTRUCTION DRAWINGS

SCS ENGINEERS	STEARN, CONRAD AND SCHMIDT CONSULTING ENGINEERS
4001 PARK DR. SUITE 100, TAMPA, FL 33611	913 871-0881 FAX 813 862-0797
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004895	PROJ. NO. 08010001
DATE: 04/11/10	SCALE: 1"=40'
DATE: 04/11/10	SCALE: 1"=40'

DHB	DOUGLAS H. BRADLEY, P.E.
DHB	DHB



LEGEND



IN-PLACE DENSITY LOCATION

GP-13

GP-14

GP-15

GP-16

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Environmental Sciences • Construction Materials Testing**

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

REPORT ON IN-PLACE DENSITY TESTS

CLIENT: Comanco

PROJECT: Citrus Co. Land Fill

AREA TESTED: Fill & prop Rlw

COURSE: E/G

DEPTH OF TEST: 0.1'

TYPE OF TEST: ASTM-A-693B

DATE TESTED: 7-22-10

NOTE: The below tests ~~DO~~ DO NOT meet the minimum 95 % compaction requirements of maximum density.

REMARKS:

[illegible]

4404

TECH. A.R

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Environmental Sciences • Construction Materials Testing**

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

REPORT ON IN-PLACE DENSITY TESTS

CLIENT: Comanco

PROJECT: Citrus Co. Landfill

AREA TESTED: STS & prop. R/W

COURSE: F/a

DEPTH OF TEST: 0-1'

TYPE OF TEST: ASTM-D-6938

DATE TESTED: 7-23-10 / 7-26-10

NOTE: The below tests ~~DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS: 2 Failures and Retests[illegible]

4404

TECH. A.R.

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Environmental Sciences • Construction Materials Testing

REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

CLIENT: Comanche

PROJECT: Citrus Co. Landfill

AREA TESTED: B/C & prop. R/W

COURSE: See - Below

DEPTH OF TEST: 0.6'

TYPE OF TEST: ASTM-D-6938

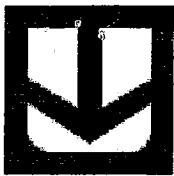
DATE TESTED: 7-27-10

NOTE: The below tests ~~DO~~/DO NOT meet the minimum 95 % compaction requirements of maximum density.

REMARKS: 95% Requirement by Citrus County inspectors and project plans

[illegible]

TECH. AR



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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

Inv 0063763

Project No.: 1810.1000071.0000
Date: July 30, 2010

Field and Laboratory Report Cover Page

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

07104101
430-92440

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	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
Universal Engineering Sciences, Inc.
Certificate of Authorization No. 549

No. 53986

K. L. Burt, P.E.
Regional Manager

STATE OF FLORIDA
FL Professional Engineer No. 53986



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1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Project No.: 1810.1000071.0000
Report No.: 849926
Date: 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 will 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



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Construction Materials Testing, Threshold Inspections, Private Provider Inspection
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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 849931

Date: July 28, 2010

REPORT OF IN-PLACE DENSITY TESTS

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

Project: Citrus County Central Landfill, Phase III
S.R. 44
Inverness, FL

Area Tested

- ☐ Sanitary Pipe ☐ Building Pad ☐ Subgrade
☐ Sanitary Structure ☐ Footings ☐ Other:
☐ Storm Pipe ☒ Roadway
☐ Storm Structure ☐ Curb

Material

- ☒ Fill ☐ Limerock
☐ Backfill ☐ Stabilization
☐ Native ☐ Other:
☐ Embankment

Referenced From

- ☒ Top ☒ Fill ☐ Pipe ☐ Base Course
☐ Springline "OF" ☐ Native ☐ Structure ☐ Subgrade
☐ Bottom ☐ Footing ☐ Berm ☐ Other:

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

Laboratory Testing

- ☐ ASTM D-1557 Modified Proctor ☐ FM 5-515 LBR
☐ ASTM D-698 Standard Proctor ☐ ASTM D-1883 CBR
☒ AASHTO T180 Modified Proctor
☐ AASHTO T99 Standard Proctor

Report Left on Site? ☐ Yes (With Whom?)
☐ No (Reason?)

Compaction Requirement = 95%

Date Tested: 07/22/10

Test No.	Location of Test	Depth or Elevation	Lab Test Results			Field Test Results				PASS FAIL
			Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field Moisture (%)	Compaction (%)	
1.	Approximately 75' East of Tie-In	-1'-0	-	115.0	9.0	123.7	113.0	9.5	98	PASS
2.	Approximately 350' East of Tie-In	-1'-0	-	115.0	9.0	122.4	112.5	8.8	98	PASS
3.	Approximately 650' East of Tie-In	-1'-0	-	115.0	9.0	124.7	113.3	10.1	99	PASS
4.	Approximately 950' East of Tie-In	-1'-0	-	115.0	9.0	124.2	113.6	9.3	99	PASS
5.	Approximately 1150' East of Tie-In	-1'-0	-	115.0	9.0	123.4	113.2	9.0	98	PASS

Technician: AR/lm



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Consultants In: Geotechnical Engineering, Environmental Sciences
Construction Materials Testing, Threshold Inspections, Private Provider Inspection
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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 849935

Date: July 28, 2010

REPORT OF IN-PLACE DENSITY TESTS

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

Project: Citrus County Central Landfill, Phase III
S.R. 44
Inverness, FL

Area Tested

- ☐ Sanitary Pipe ☐ Building Pad ☐ Subgrade
☐ Sanitary Structure ☐ Footings ☐ Other:
☐ Storm Pipe ☒ Roadway
☐ Storm Structure ☐ Curb

Material

- ☐ Fill ☐ Limerock
☐ Backfill ☒ Stabilization
☐ Native ☐ Other:
☐ Embankment

Referenced From

- ☒ Top ☐ Fill ☐ Pipe ☐ Base Course
☐ Springline "OF" ☐ Native ☐ Structure ☒ Subgrade
☐ Bottom ☐ Footing ☐ Berm ☐ Other:

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

Laboratory Testing

- ☐ ASTM D-1557 Modified Proctor ☐ FM 5-515 LBR
☐ ASTM D-698 Standard Proctor ☐ ASTM D-1883 CBR
☒ AASHTO T180 Modified Proctor
☐ AASHTO T99 Standard Proctor

Report Left on Site? ☐ Yes (With Whom?)
☐ No (Reason?)

Compaction Requirement = 95%

Date Tested: 07/23/10

Test No.	Location of Test	Depth or Elevation	Lab Test Results			Field Test Results				PASS FAIL
			Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field Moisture (%)	Compaction (%)	
1.	Approximately 100' East of Tie-In	-1'-0	-	115.0	13.0	125.6	109.2	15.0	95	PASS
2.	Approximately 350' East of Tie-In	-1'-0	-	115.0	13.0	121.4	102.6	18.3	89	FAIL
3.	Approximately 700' East of Tie-In	-1'-0	-	115.0	13.0	118.5	107.4	10.3	93	FAIL

Test Nos 2 and 3 Fail

Technician: AR/lm



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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

REPORT OF IN-PLACE DENSITY TESTS

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

Project: Citrus County Central Landfill, Phase III
S.R. 44
Inverness, FL

Area Tested

- ☐ Sanitary Pipe ☐ Building Pad ☐ Subgrade
☐ Sanitary Structure ☐ Footings ☐ Other:
☐ Storm Pipe ☒ Roadway
☐ Storm Structure ☐ Curb

Material

- ☐ Fill ☐ Limerock
☐ Backfill ☒ Stabilization
☐ Native ☐ Other:
☐ Embankment

Referenced From

- ☒ Top ☐ Fill ☐ Pipe ☐ Base Course
☐ Springline "OF" ☐ Native ☐ Structure ☒ Subgrade
☐ Bottom ☐ Footing ☐ Berm ☐ Other:

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

Laboratory Testing

- ☐ ASTM D-1557 Modified Proctor ☐ FM 5-515 LBR
☐ ASTM D-698 Standard Proctor ☐ ASTM D-1883 CBR
☒ AASHTO T180 Modified Proctor
☐ AASHTO T99 Standard Proctor

Report Left on Site? ☐ Yes (With Whom?)
☐ No (Reason?)

Compaction Requirement = 95%

Date Tested: 07/26/10

Test No.	Location of Test	Depth or Elevation	Lab Test Results			Field Test Results				PASS FAIL
			Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field Moisture (%)	Compaction (%)	
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

Test Nos 1 and 2 are RETESTS

Technician: AR/lm



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Construction Materials Testing • Threshold Inspection • Private Provider Inspection
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Project No.:

1810.1000071.0000

Report No.:

850422

Date:

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/lm



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Construction Materials Testing • Threshold Inspection • Private Provider Inspection
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Project No.: 1810.1000071.0000
Date: 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	Report 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.
Certificate of Authorization No. 549





UNIVERSAL ENGINEERING SCIENCES

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.

Project No: 1810.1000071.0000

Report No: 850719

Date: August 5, 2010

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

SAMPLE NO	SAMPLE DEPTH (FT)	SOIL DESCRIPTION	NATURAL MOISTURE (%)	ATTERBERG LIMITS		COEFFICIENT OF PERMEABILITY (FT/DAY)	SIEVE ANALYSIS (% passing)						AASHTO SOIL CLASSIFICATION	UNIFIED SOIL CLASSIFICATION
				LIQUID LIMIT (%)	PLASTICITY INDEX (%)		No. 3/4	No. 3/8	No. 2	No. 10	No. 40	No. 200		
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														

Technician:BR/AR

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Threshold Inspection Private Provider Inspection Geophysical Studies
1417 SW 15th Avenue, Ocala, Florida 34471 (352) 4019633

PROJECT NO: 1810.1000071.0000
REPORT NO: 850720
DATE: 8/2/2010

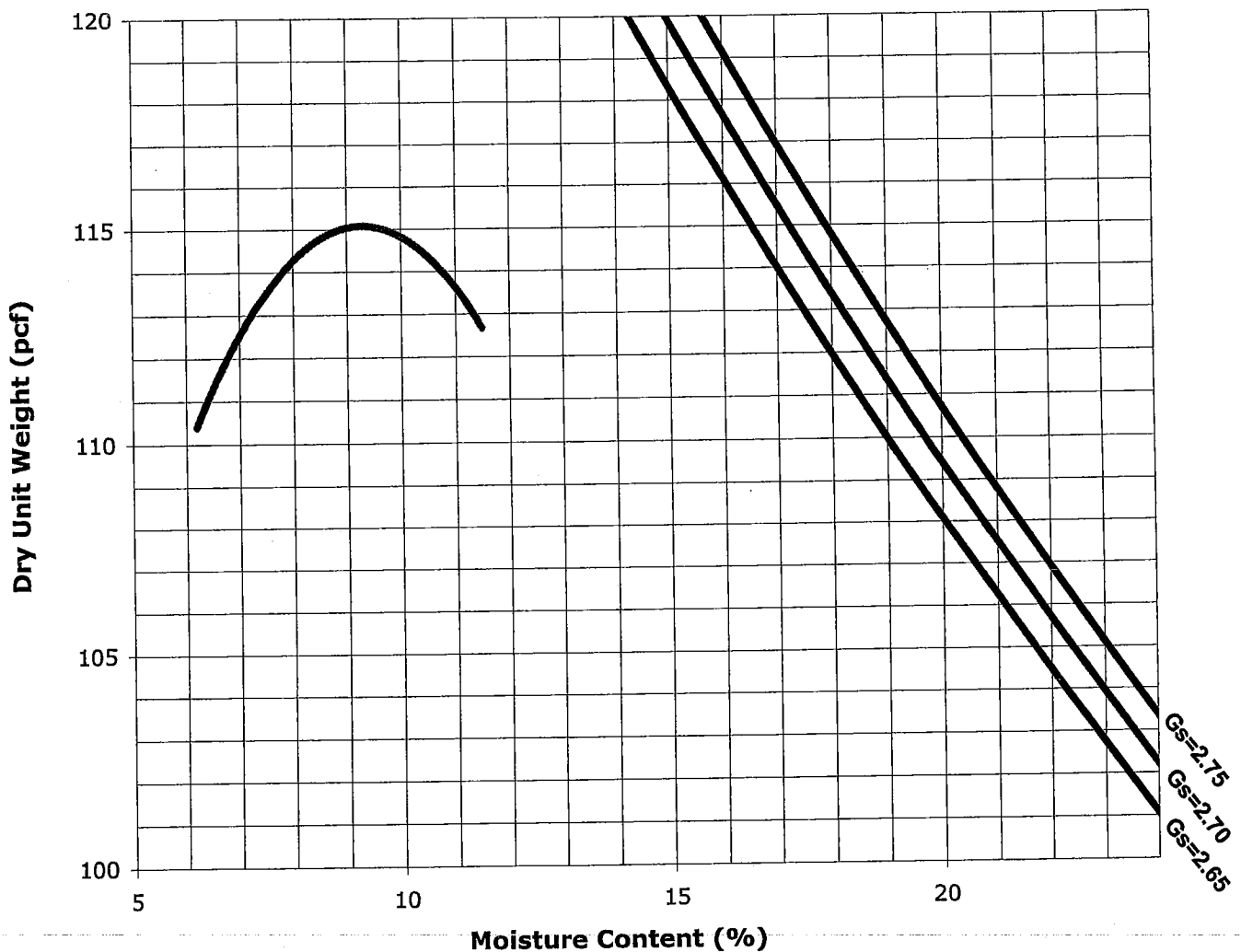
REPORT OF MOISTURE - DENSITY RELATIONSHIP OF SOIL

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 RESULTS			
TEST METHOD		AASHTO T99	
MAX. DRY DENSITY		115	
OPT. MOIST CONTENT		9	
UNIFIED SOIL CLASS.		Uni SP-SC	
SOIL DESCRIPTION:			
Orange Sand with Clay			
FILL:	X	NAT. GROUND:	
% MINUS NO. 200 SIEVE			12



Sampled by AASHTO T-2



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Testing Threshold Inspection Private Provider Inspection Geophysical Studies

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PROJECT NO: 1810.1000071.0000
REPORT NO: 850722
DATE: 8/2/2010

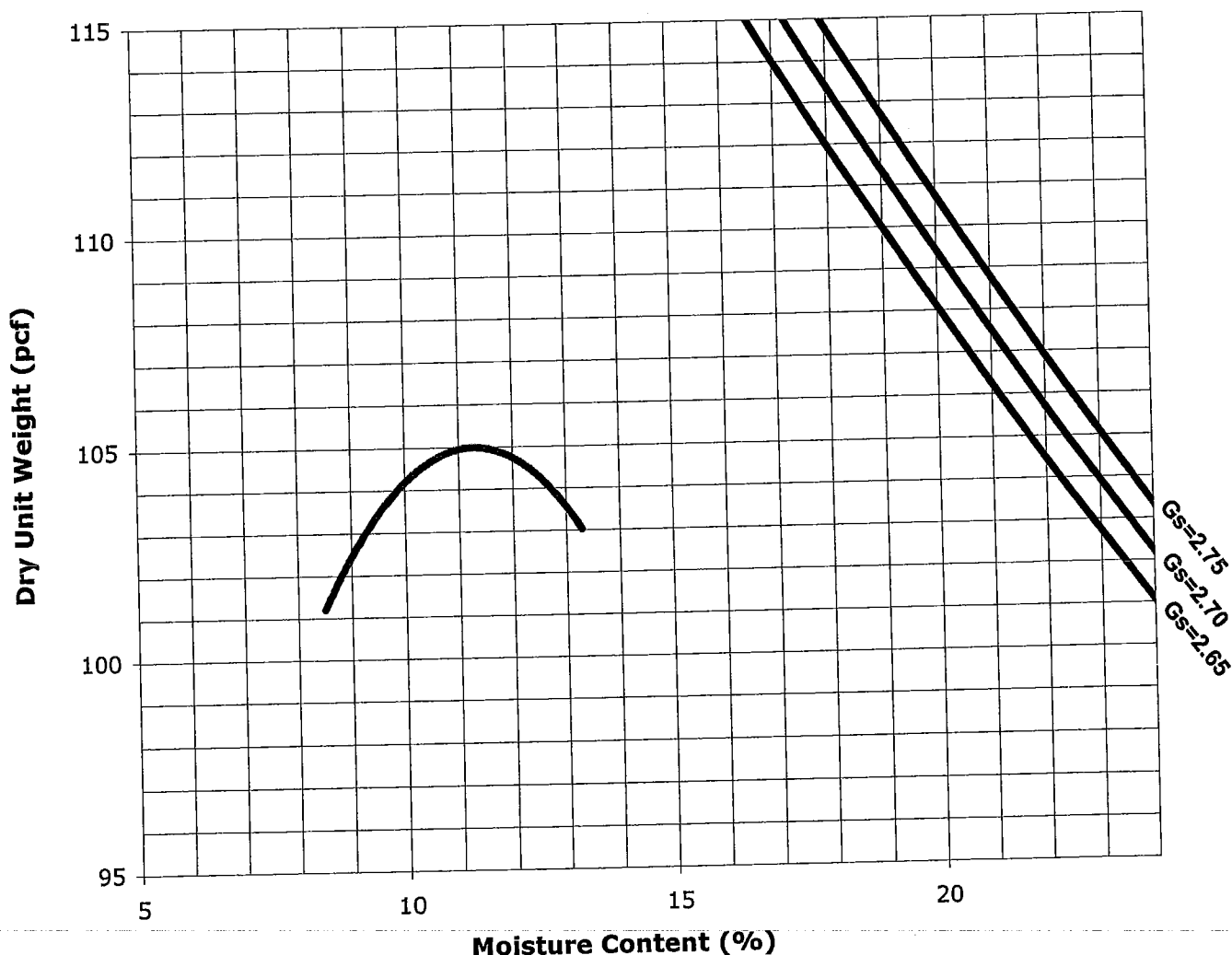
REPORT OF MOISTURE - DENSITY RELATIONSHIP OF SOIL

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 and Above Pipe

SUMMARY OF TEST RESULTS			
TEST METHOD		AASHTO T99	
MAX. DRY DENSITY		105	
OPT. MOIST CONTENT		11	
UNIFIED SOIL CLASS.		SP	
SOIL DESCRIPTION:			
Tan Sand			
FILL:	X	NAT. GROUND:	
% MINUS NO. 200 SIEVE			2



Sampled by AASHTO T-2



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Threshold Inspection Private Provider Inspection Geophysical Studies
1417 SW 15th Avenue, Ocala, Florida 34471 (352) 4019633

ORDER NO: 1810.1000071.0000
REPORT NO: 850736
DATE: 8/2/2010

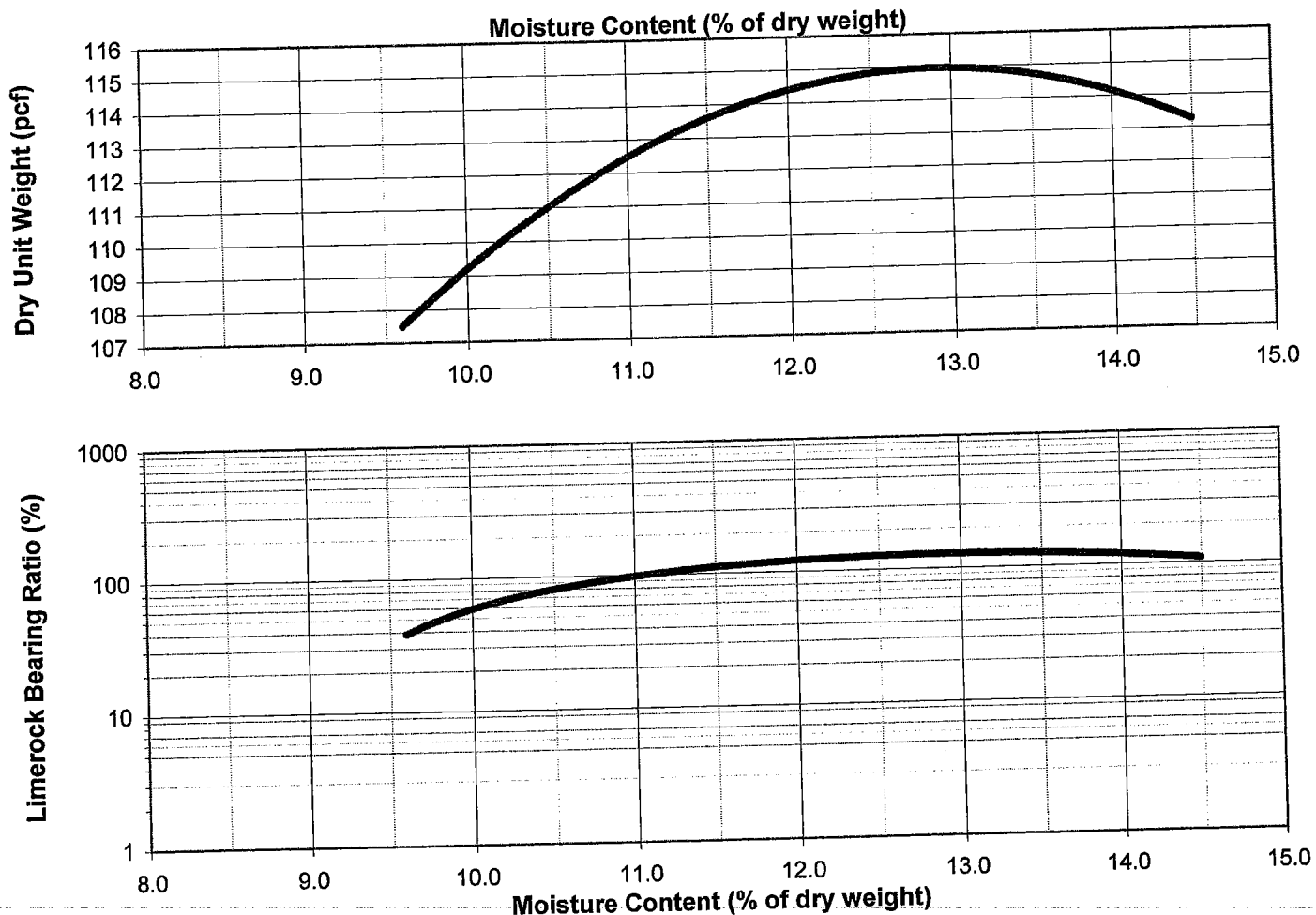
REPORT OF LIMEROCK BEARING RATIO - FLORIDA METHOD 5-515

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 DENSITY		115
OPT. MOIST CONTENT		13
UNIFIED SOIL CLASS.		
SOIL DESCRIPTION:		
Dark Brown Sand with Limerock		
FILL:		NAT. GROUND:
PERCENT MINUS NO. 200		



Sampled by AASHTO T-2



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Threshold Inspection Private Provider Inspection Geophysical Studies
1417 SW 15th Avenue, Ocala, Florida 34471 (352) 4019633

ORDER NO: 1810.1000071.0000
REPORT NO: 850737
DATE: 8/2/2010

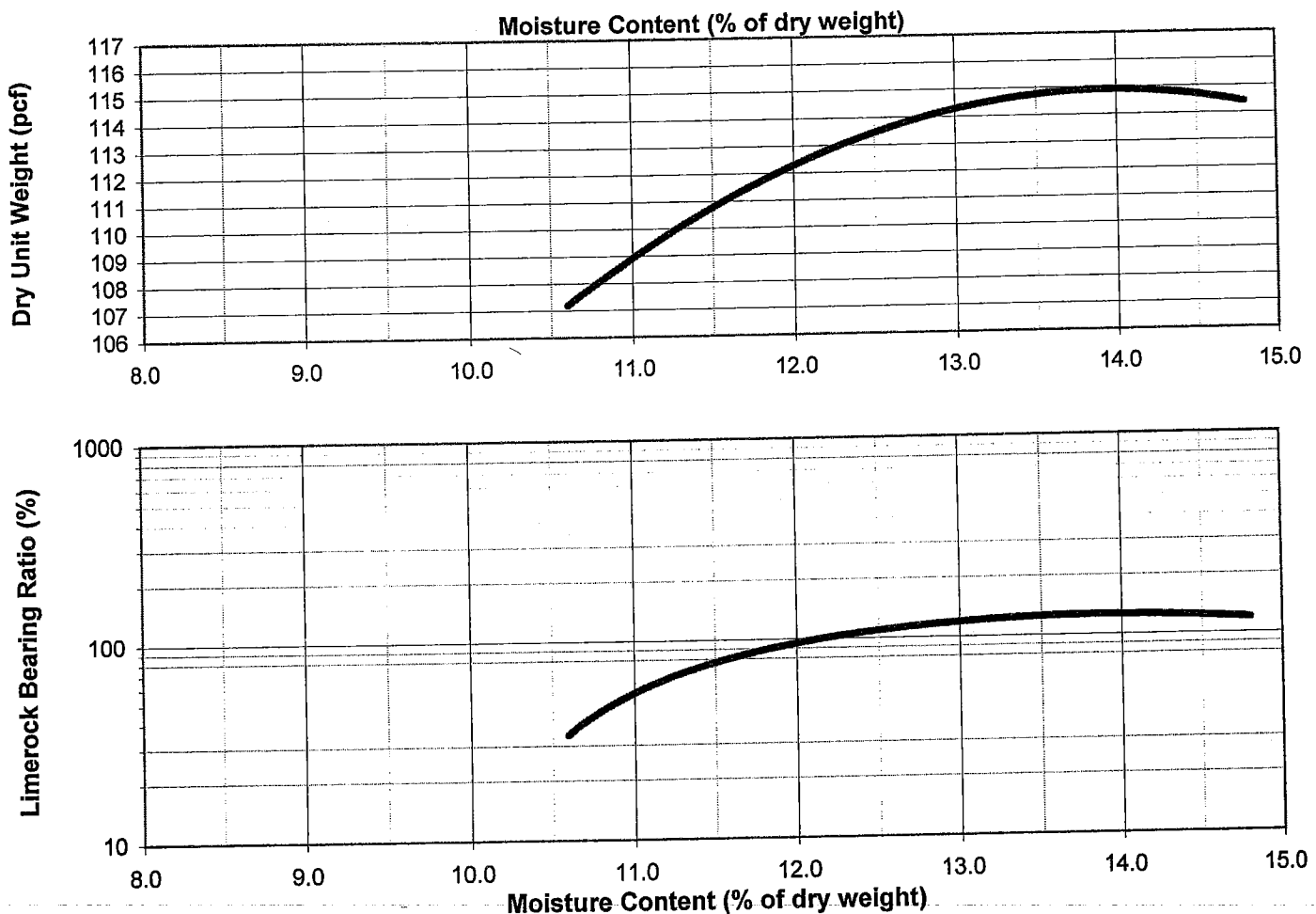
REPORT OF LIMEROCK BEARING RATIO - FLORIDA METHOD 5-515

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

SUMMARY OF TEST RESULTS			
TEST METHOD	FM	5-515	
LBR VALUE (%)		125	
MAX. DRY DENSITY		115	
OPT. MOIST CONTENT		14	
UNIFIED SOIL CLASS.			
SOIL DESCRIPTION:			
Dark Brown Sand with Limerock			
FILL:		NAT. GROUND:	
PERCENT MINUS NO. 200			



Sampled by AASHTO T-2

DOCS No. 853688



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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

ORDER NO: 1810.1000071.0000
REPORT NO: 850746
DATE: 8/2/2010

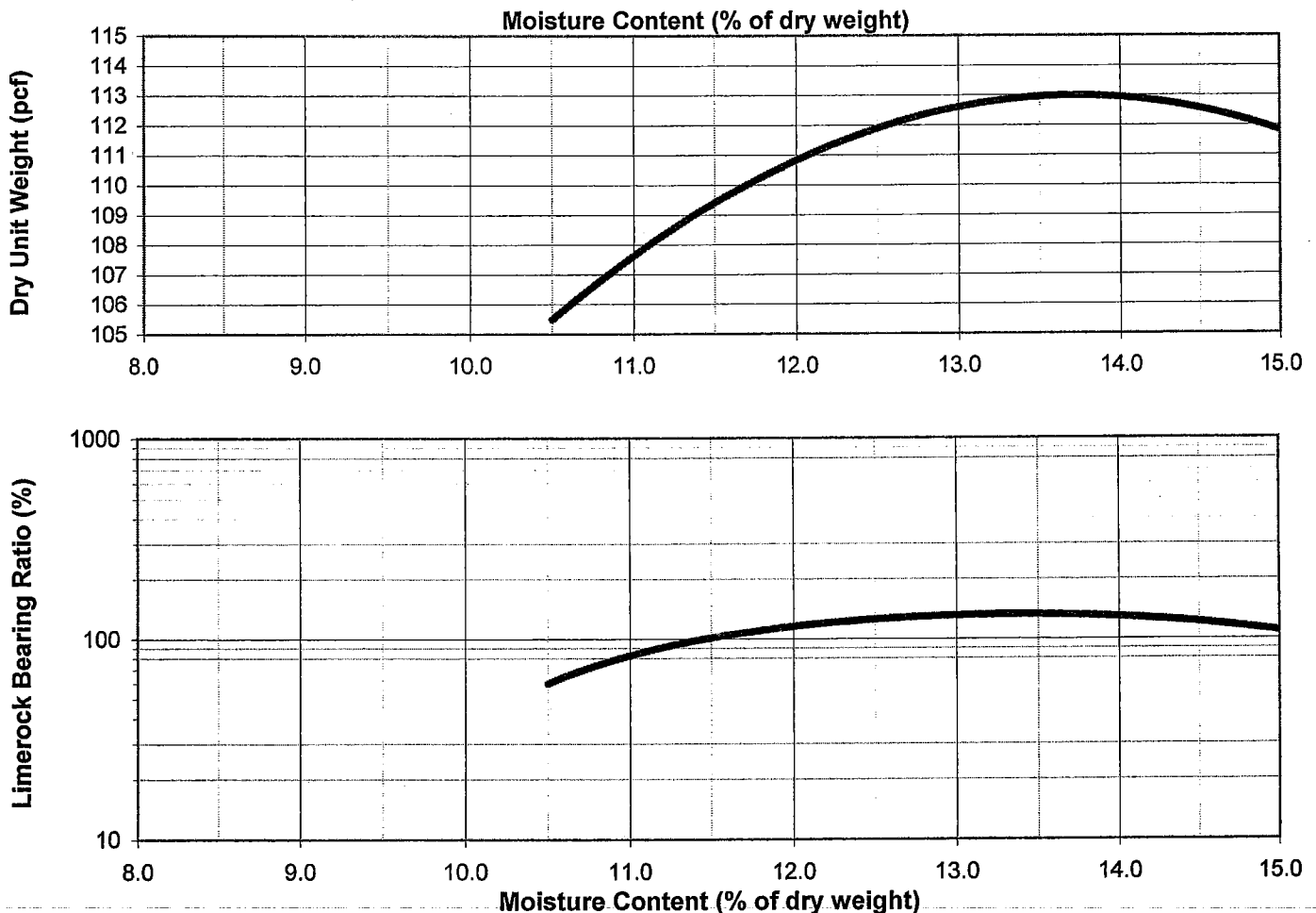
REPORT OF LIMEROCK BEARING RATIO - FLORIDA METHOD 5-515

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 CLASS.			
SOIL DESCRIPTION:			
Limerock			
FILL:		NAT. GROUND:	
PERCENT MINUS NO. 200			



Sampled by AASHTO T-2

DOCS No. 853691



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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 851492

Date: August 5, 2010

REPORT OF IN-PLACE DENSITY TESTS

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

Project: Citrus County Central Landfill Phase III
S.R. 44
Inverness, FL



- ☐ Sanitary Pipe
☐ Sanitary Structure
☐ Storm Pipe
☐ Storm Structure

- ☐ Building Pad
☐ Footings
☒ Roadway
☐ Curb

- ☐ Subgrade
☐ Other:



- ☐ Fill
☐ Backfill
☐ Native
☐ Embankment

- ☒ Limerock
☐ Stabilization
☐ Other:



- ☐ Top
☐ Springline
☒ Bottom

"OF"

- ☐ Fill
☐ Native
☐ Footing

- ☐ Pipe
☐ Structure
☐ Berm

- ☒ Base Course
☐ Subgrade
☐ Other:



- ☐ 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



- ☐ ASTM D-1557 Modified Proctor
☐ ASTM D-698 Standard Proctor
☒ AASHTO T180 Modified Proctor
☐ AASHTO T99 Standard Proctor

- ☐ FM 5-515 LBR
☐ ASTM D-1883 CBR

Report Left on Site? ☒ Yes (With Whom?)
☐ No (Reason?)

Compaction Requirement = 95%

Date Tested: 07/27/10

Test No.	Location of Test	Depth or Elevation	Lab Test Results			Field Test Results				
			Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field Moisture (%)	Compaction (%)	PASS / FAIL
1.	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
9.	Approximately 950' East of Tie-In	FG	-	113.0	14.0	128.9	112.9	14.2	100	PASS
10.	Approximately 1140' East of Tie-In	FG	-	113.0	14.0	128.6	113.0	13.8	100	PASS

Technician: AR/lm



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Project No.:

1810.1000071.0000

Date:

August 12, 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

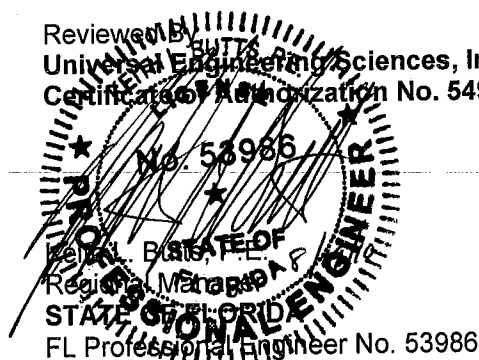
As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

Scope of Work

Type of Report	Report No.
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.

Reviewed By: BUTTS
Universal Engineering Sciences, Inc.
Certificate of Authorization No. 549





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PROJECT NO: 1810.1000071.0000

REPORT NO: 852722

DATE: 08/12/10

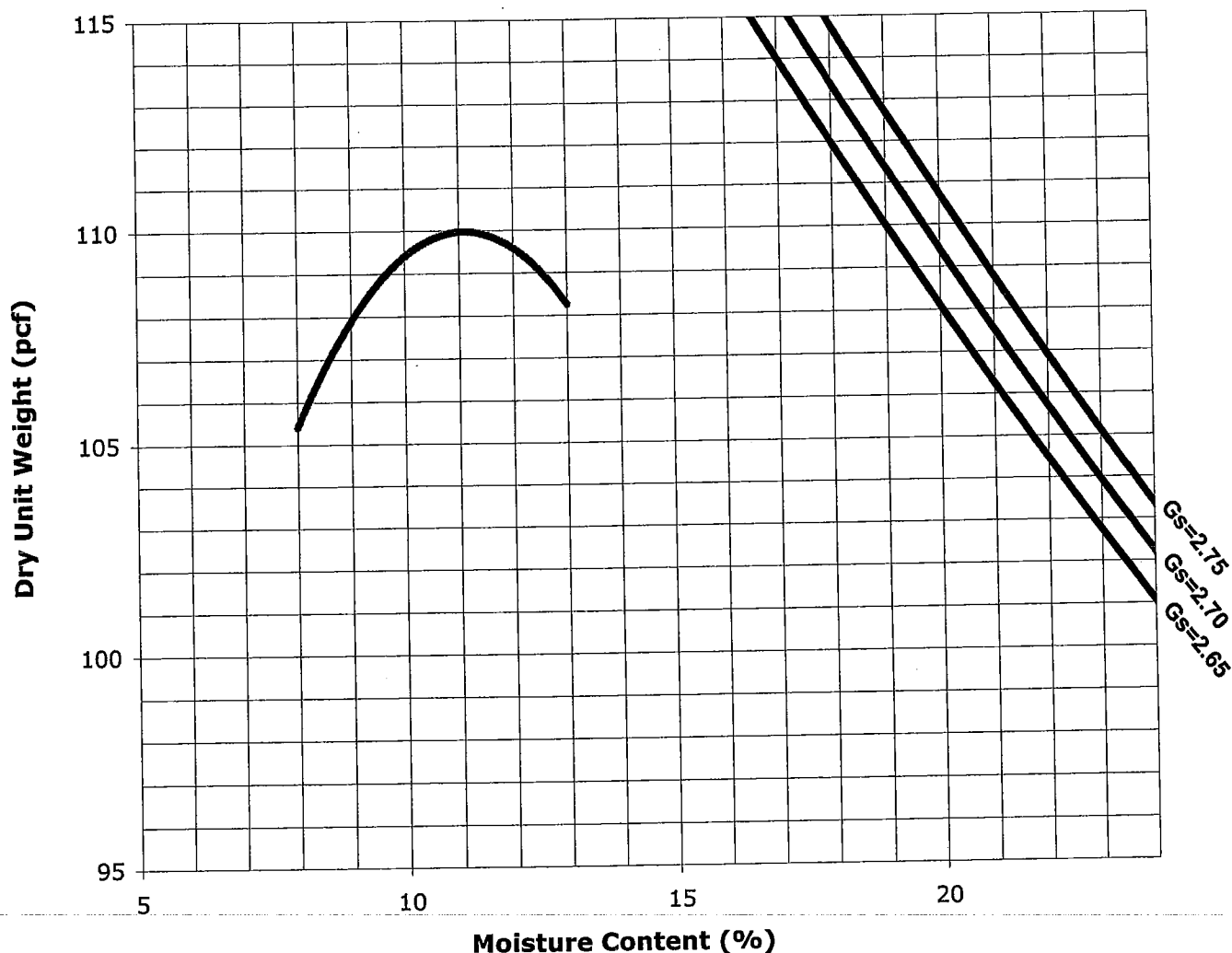
REPORT OF MOISTURE - DENSITY RELATIONSHIP OF SOIL

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

SUMMARY OF TEST RESULTS			
TEST METHOD		T-180	
MAX. DRY DENSITY		110	
OPT. MOIST CONTENT		11	
UNIFIED SOIL CLASS.			
SOIL DESCRIPTION:			
Orange/Red Sand			
FILL:	X	NAT. GROUND:	
% MINUS NO. 200 SIEVE			



Sampled by AASHTO T-2



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PROJECT NO: 1810.1000071.0000
REPORT NO: 852724
DATE: 08/12/10

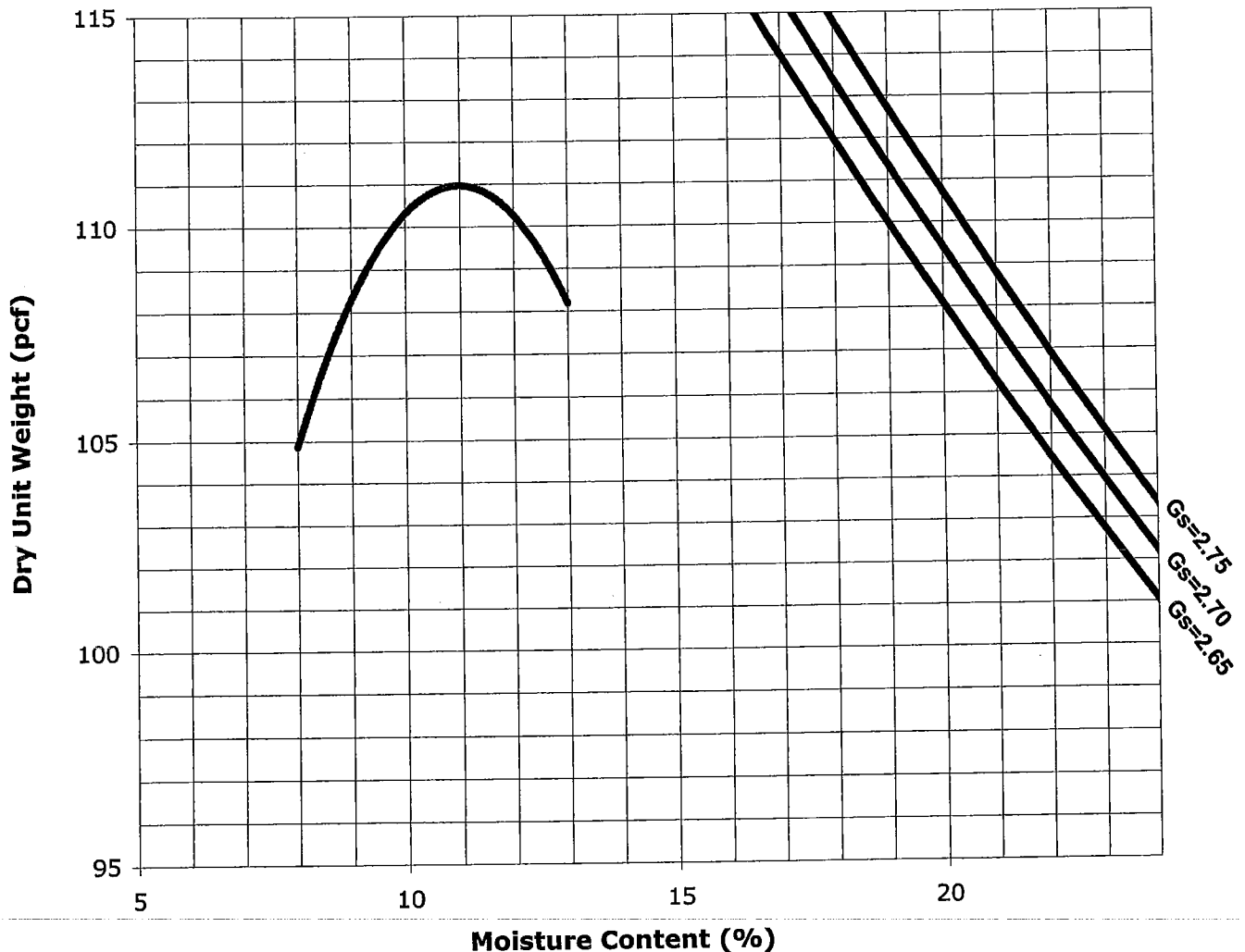
REPORT OF MOISTURE - DENSITY RELATIONSHIP OF SOIL

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

SUMMARY OF TEST RESULTS			
TEST METHOD		T180	
MAX. DRY DENSITY		111	
OPT. MOIST CONTENT		11	
UNIFIED SOIL CLASS.			
SOIL DESCRIPTION:			
White Sand			
FILL:		NAT. GROUND:	X
% MINUS NO. 200 SIEVE			



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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 857632

Date: September 10, 2010

REPORT OF IN-PLACE DENSITY TESTS

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

Project: Citrus County Central Landfill, Phase III
S.R. 44
Inverness, FL



- ☐ Sanitary Pipe ☒ Building Pad ☐ Subgrade
☐ Sanitary Structure ☐ Footings ☐ Other:
☐ Storm Pipe ☐ Roadway
☐ Storm Structure ☐ Curb



- ☒ Fill ☐ Limerock
☐ Backfill ☐ Stabilization
☐ Native ☐ Other:
☐ Embankment



- ☐ Top ☒ Fill ☐ Pipe ☐ Base Course
☐ Springline "OF" ☐ Native ☐ Structure ☐ Subgrade
☒ Bottom ☐ Footing ☐ Berm ☐ Other:



- ☐ 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



- ☒ ASTM D-1557 Modified Proctor ☐ FM 5-515 LBR
☐ ASTM D-698 Standard Proctor ☐ ASTM D-1883 CBR
☐ AASHTO T180 Modified Proctor
☐ AASHTO T99 Standard Proctor

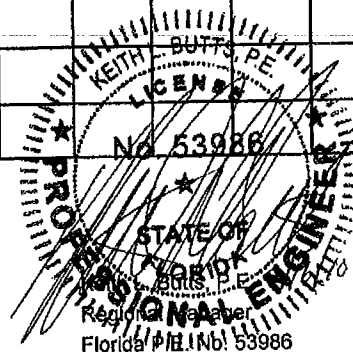
Report Left on Site? ☐ Yes (With Whom?)
☐ No (Reason?)

Compaction Requirement = 98%

Date Tested: 08/13/10

Test No.	Location of Test	Depth or Elevation	Lab Test Results			Field Test Results				PASS FAIL
			Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field Moisture (%)	Compaction (%)	
1.	Approximate East Side of Cell Bank	0-1'	-	110.0	11.0	119.7	109.1	9.7	99	PASS
2.	Approximate West Side of Cell Bank	0-1'	-	110.0	11.0	121.7	109.6	11.0	100	PASS
3.	Approximate East Side of Cell Bank	1'-2'	-	110.0	11.0	118.6	107.8	10.0	98	PASS
4.	Approximate West Side of Cell Bank	1'-2'	-	110.0	11.0	118.8	107.9	10.1	98	PASS
5.	Approximate East Side of Cell Bank	2'-3'	-	110.0	11.0	120.3	109.8	9.6	100	PASS
6.	Approximate West Side of Cell Bank	3'-4'	-	110.0	11.0	120.1	109.3	9.9	99	PASS

Technician: JR/lm



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REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

CLIENT: Comanco Construction

PROJECT: Citrus Landfill (Cell Bank)

AREA TESTED: FILL & PROP CELL BANK

COURSE: See below

DEPTH OF TEST: 0-1

TYPE OF TEST: QSTM-D-6938

DATE TESTED: 9-15-9-16

NOTE: The below tests ~~DO/DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS:

[illegible]

TECH.

22



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1417 SW 15th Avenue • Ocala • Florida • 34471 • P: (352) 401-9633 • F: (352) 401-1835

Project No.: 1810.1000071.0000
Date: 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

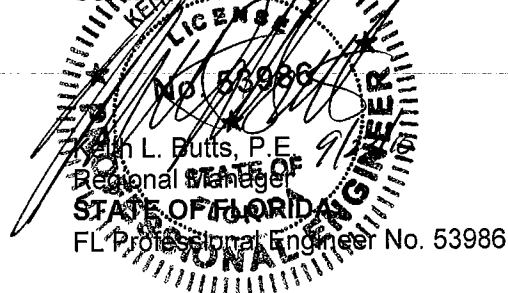
As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

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 Engineering Sciences, Inc.
Certificate of Authorization No. 549





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Project No.: 1810.1000071.0000
Report No.: 859776
Date: 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.



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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 859779

Date: September 22, 2010

REPORT OF IN-PLACE DENSITY TESTS

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

Project: Citrus County Central Landfill Phase III
S.R. 44
Inverness, FL

Area Tested

- | | | |
|---|---------------------------------------|--|
| <input type="checkbox"/> Sanitary Pipe | <input type="checkbox"/> Building Pad | <input type="checkbox"/> Subgrade |
| <input type="checkbox"/> Sanitary Structure | <input type="checkbox"/> Footings | <input checked="" type="checkbox"/> Other: Cell Bank |
| <input type="checkbox"/> Storm Pipe | <input type="checkbox"/> Roadway | |
| <input type="checkbox"/> Storm Structure | <input type="checkbox"/> Curb | |

Material

- | | |
|--|--|
| <input checked="" type="checkbox"/> Fill | <input type="checkbox"/> Limerock |
| <input type="checkbox"/> Backfill | <input type="checkbox"/> Stabilization |
| <input type="checkbox"/> Native | <input type="checkbox"/> Other: |
| <input type="checkbox"/> Embankment | |

Referenced From

- | | | | |
|---|--|------------------------------------|--------------------------------------|
| <input checked="" type="checkbox"/> Top | <input checked="" type="checkbox"/> Fill | <input type="checkbox"/> Pipe | <input type="checkbox"/> Base Course |
| <input type="checkbox"/> Springline | <input type="checkbox"/> Native | <input type="checkbox"/> Structure | <input type="checkbox"/> Subgrade |
| <input type="checkbox"/> Bottom | <input type="checkbox"/> Footing | <input type="checkbox"/> Berm | <input type="checkbox"/> Other: |

Field Test Performed

- | |
|--|
| <input type="checkbox"/> ASTM D-2937 Drive Cylinder Method |
| <input checked="" type="checkbox"/> ASTM D-6938 Nuclear Gauge Method |
| <input type="checkbox"/> ASTM D-1556 Sand Cone Method |
| <input type="checkbox"/> ASTM D-558 Soil Cement Field Proctor |

Laboratory Testing

- | | |
|--|--|
| <input checked="" type="checkbox"/> ASTM D-1557 Modified Proctor | <input type="checkbox"/> FM 5-515 LBR |
| <input type="checkbox"/> ASTM D-698 Standard Proctor | <input type="checkbox"/> ASTM D-1883 CBR |
| <input type="checkbox"/> AASHTO T180 Modified Proctor | |
| <input type="checkbox"/> AASHTO T99 Standard Proctor | |

Report Left on Site? ☐ Yes (With Whom?) _____
☐ No (Reason?) _____

Compaction Requirement = 95%

Date Tested: 09/15/10

			Lab Test Results			Field Test Results				
Test No.	Location of Test	Depth or Elevation	Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field Moisture (%)	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
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

Note: Elevations Provided by Others

Technician: JR/lm



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Project No.: 1810.1000071.0000
Report No.: 859780
Date: 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:

1. Performed In-Place Density Tests as required for the Cell Bank.

See In-Place Density Tests Report No. 859782 for test locations and results.



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Consultants In: Geotechnical Engineering, Environmental Sciences
Construction Materials Testing, Threshold Inspections, Private Provider Inspection
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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 859782

Date: September 22, 2010

REPORT OF IN-PLACE DENSITY TESTS

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

Project: Citrus County Central Landfill Phase III
S.R. 44
Inverness, FL

Area Tested

- ☐ Sanitary Pipe ☐ Building Pad ☐ Subgrade
☐ Sanitary Structure ☐ Footings ☒ Other: Cell Bank
☐ Storm Pipe ☐ Roadway
☐ Storm Structure ☐ Curb

Material

- ☒ Fill ☐ Limerock
☐ Backfill ☐ Stabilization
☐ Native ☐ Other:
☐ Embankment

Referenced From

- ☒ Top ☐ Springline ☐ Bottom ☐ "OF"
☒ Fill ☐ Native ☐ Footing
☐ Pipe ☐ Structure ☐ Berm
☐ Base Course ☐ Subgrade ☐ Other:

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

Laboratory Testing

- ☒ ASTM D-1557 Modified Proctor ☐ FM 5-515 LBR
☐ ASTM D-698 Standard Proctor ☐ ASTM D-1883 CBR
☐ AASHTO T180 Modified Proctor
☐ AASHTO T99 Standard Proctor

Report Left on Site? ☐ Yes (With Whom?)
☐ No (Reason?)

Compaction Requirement = 95%

Date Tested: 09/16/10

Test No.	Location of Test	Depth or Elevation	Lab Test Results			Field Test Results				
			Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field Moisture (%)	Compaction (%)	PASS / FAIL
1.	Approximately 325' West and Approximately 175' North of Southeast Corner of Bank	59	-	110.0	11.0	116.1	107.2	8.3	97	PASS
2.	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/lm



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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No: 860801

Date: September 28, 2010

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

SAMPLE NO.	SAMPLE DEPTH (FT)	SOIL DESCRIPTION	NATURAL MOISTURE (%)	ATTERBERG LIMITS		PERMEABILITY (CM/SEC)	SIEVE ANALYSIS (% passing)						AASHTO SOIL CLASSIFICATION	UNIFIED SOIL CLASSIFICATION
				LIQUID LIMIT (%)	PLASTICITY INDEX (%)		No. 4	No. 10	No. 40	No. 60	No. 100	No. 200		
2.		Tan Sand Reference Report No. 850719 for other test results				6.25×10^{-3}								

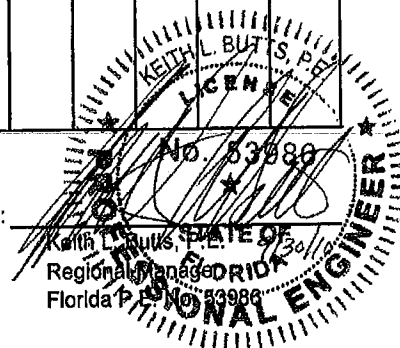
*SS-Split Spoon
ST-Shelby Tube
A-Auger

Signed: _____

Keith L. Blitts, P.E.
Regional Manager
Florida P.E. No. 53986

Technician: /lm

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REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

CLIENT: Comanco

PROJECT: Ch. 6, 7, 8, 9

AREA TESTED: East side slope of road NW

COURSE: 516

DEPTH OF TEST: 0-1

TYPE OF TEST: Acid 6938

DATE TESTED: 12-4-19

NOTE: The below tests ~~DO/DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS:

[illegible]

TECH. _____



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Project No.: 1810.1000071.0000
Date: 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.

Reviewed By
Universal Engineering Sciences, Inc.
Certificate of Authorization No. 549
No. 53986
Keith L. STAVERS
Regional Manager
STATE OF FLORIDA
FL Professional Engineer No. 53986



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Project No.: 1810.1000071.0000
Report No.: 862572
Date: 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



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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 862577

Date: October 7, 2010

REPORT OF IN-PLACE DENSITY TESTS

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

Project: Citrus County Central Landfill Phase III
S.R. 44
Inverness, FL

Area Tested

- ☐ Sanitary Pipe ☐ Building Pad ☐ Subgrade
☐ Sanitary Structure ☐ Footings ☐ Other:
☐ Storm Pipe ☒ Roadway
☐ Storm Structure ☐ Curb

Material

- ☒ Fill ☐ Limerock
☐ Backfill ☐ Stabilization
☐ Native ☐ Other:
☐ Embankment

Referenced Form

- ☒ Top ☒ Fill ☐ Pipe ☐ Base Course
☐ Springline "OF" ☐ Native ☐ Structure ☐ Subgrade
☐ Bottom ☐ Footing ☐ Berm ☐ Other:

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

Laboratory Testing

- ☐ ASTM D-1557 Modified Proctor ☐ FM 5-515 LBR
☐ ASTM D-698 Standard Proctor ☐ ASTM D-1883 CBR
☒ AASHTO T180 Modified Proctor
☐ AASHTO T99 Standard Proctor

Report Left on Site? ☐ Yes (With Whom?)
☐ No (Reason?)

Compaction Requirement = 95%

Date Tested: 10/04/10

Date Tested: 10/04/10			Lab Test Results			Field Test Results				
Test No.	Location of Test	Depth or Elevation	Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field Moisture (%)	Compaction (%)	PASS FAIL
	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
2.	Approximately 200' North of Tie-In	-1'-0	-	110.0	11.0	117.4	108.1	8.6	98	PASS
	TOP OF SLOPE, NORTH SLOPE									
3.	Approximately 100' West of Northeast Corner	-1'-0	-	110.0	11.0	120.2	109.4	9.9	99	PASS
4.	Approximately 200' West of Northeast Corner	-1'-0	-	110.0	11.0	119.4	107.6	11.0	98	PASS
	FACE OF SLOPE, EAST SLOPE									
5.	Approximately 100' North of Tie-In and Approximately 20' Down Slope	-1'-0	-	110.0	11.0	121.0	108.4	11.6	99	PASS
6.	Approximately 100' North of Tie-In and Approximately 30' Up Slope	-1'-0	-	110.0	11.0	116.2	107.7	7.9	98	PASS
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

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Project No: 1810.1000071.0000

Report No.: 862577

Date: October 7, 2010

REPORT OF IN-PLACE DENSITY TESTS

Date Tested: 10/04/10

[illegible]



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Project No.: 1810.1000071.0000
Report No.: 862735
Date: 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:

1. 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/lm



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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No.: 862738

Date: October 7, 2010

REPORT OF IN-PLACE DENSITY TESTS

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

Project: Citrus County Central Landfill Phase III
S.R. 44
Inverness, FL



- ☐ Sanitary Pipe ☐ Building Pad ☐ Subgrade
☐ Sanitary Structure ☐ Footings ☐ Other:
☐ Storm Pipe ☒ Roadway
☐ Storm Structure ☐ Curb



- ☒ Fill ☐ Limerock
☐ Backfill ☐ Stabilization
☐ Native ☐ Other:
☐ Embankment



- ☒ Top ☒ Fill ☐ Pipe ☐ Base Course
☐ Springline "OF" ☐ Native ☐ Structure ☐ Subgrade
☐ Bottom ☐ Footing ☐ Berm ☐ Other:



- ☐ 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



- ☐ ASTM D-1557 Modified Proctor ☐ FM 5-515 LBR
☐ ASTM D-698 Standard Proctor ☐ ASTM D-1883 CBR
☒ AASHTO T180 Modified Proctor
☐ AASHTO T99 Standard Proctor

Report Left on Site?

- ☐ Yes (With Whom?)
☐ No (Reason?)

Compaction Requirement = 95%

Date Tested: 10/06/10

				Lab Test Results			Field Test Results			
Test No.	Location of Test	Depth or Elevation	Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field Moisture (%)	Compaction (%)	PASS / FAIL
	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



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Date: October 7, 2010

Date Tested: 10/06/10

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REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

CLIENT: 1048402

PROJECT: 0315 100000

AREA TESTED: _____

COURSE: _____ DEPTH OF TEST: _____

TYPE OF TEST: 1000 0.6-1.0 DATE TESTED: 6-2-5

NOTE: The below tests DO/DO NOT meet the minimum 9 % compaction requirements of maximum density.

REMARKS: _____

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
N. 1/4 Sec. 1, T. 1 N., R. 1 E., S. 1	1.66	1.61	96	51	
" " " " " " " " " " " "	1.67		96	49	
" " " " " " " " " " " "					
" " " " " " " " " " " "	1.67		96	64	
" " " " " " " " " " " "	1.68		96	89	
" " " " " " " " " " " "					
" " " " " " " " " " " "	1.68		96	95	
" " " " " " " " " " " "	1.68		96	62	
" " " " " " " " " " " "					
" " " " " " " " " " " "	1.68		96	44	
" " " " " " " " " " " "	1.68		96	50	
" " " " " " " " " " " "					
" " " " " " " " " " " "	1.68		96	47	
" " " " " " " " " " " "	1.68		96	80	
" " " " " " " " " " " "					
" " " " " " " " " " " "	1.69		96	36	
" " " " " " " " " " " "	1.69		96	89	
" " " " " " " " " " " "					
" " " " " " " " " " " "	1.71		96	72	
" " " " " " " " " " " "	1.69		96	83	

4404

TECH. _____



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Project No.: 1810.1000071.0000
Date: November 4, 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	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
Universal Engineering Sciences, Inc.
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Project No.: 1810.1000071.0000
Report No.: 867200
Date: November 4, 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: 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:

1. Performed In-Place Density Tests as required for the roadway and slope.
2. 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



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Project No: 1810.1000071.0000

Report No.: 867207

Date: November 4, 2010

REPORT OF INPLACE DENSITY TESTS

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

Project: Citrus County Central Landfill Phase III
S.R. 44
Inverness, FL



- ☐ Sanitary Pipe ☐ Building Pad ☐ Subgrade
☐ Sanitary Structure ☐ Footings ☐ Other:
☐ Storm Pipe ☒ Roadway
☐ Storm Structure ☐ Curb



- ☒ Fill ☐ Limerock
☐ Backfill ☐ Stabilization
☐ Native ☐ Other:
☐ Embankment



- ☒ Top ☒ Fill ☐ Pipe ☐ Base Course
☐ Springline "OF" ☐ Native ☐ Structure ☐ Subgrade
☐ Bottom ☐ Footing ☐ Berm ☐ Other:



- ☐ ASTM D-2937 Drive Cylinder Method
☒ ASTM D-6938 Nuclear Gauge Method
☐ ASTM D-1558 Sand Cone Method
☐ ASTM D-558 Soil Cement Field Proctor



- ☐ ASTM D-1557 Modified Proctor ☐ FM 5-515 LBR
☐ ASTM D-698 Standard Proctor ☐ ASTM D-1083 CBR
☒ AASHTO T180 Modified Proctor
☐ AASHTO T99 Standard Proctor

Report Left on Site?

- ☐ Yes (With Whom?)
☐ No (Reason?)

Compaction Requirement = 95%

Date Tested: 10/21/10

Date Tested: 10/21/10			Lab Test Results			Field Test Results				
Test No.	Location of Test	Depth or Elevation	Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field Moisture (%)	Compaction (%)	PASS FAIL
	NORTH SLOPE									
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	-	110.0	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	96	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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Project No: 1810.1000071.0000

Report No.: 867207

Date: November 4, 2010

REPORT OF IN-PLACE DENSITY TESTS

[illegible]



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Certificate of Authorization No. 549

Project No: 1810.1000071.0000

Report No: 888967

Date: November 1, 2010

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

SAMPLING	SAMPLE DEPTH (FT)	SOIL DESCRIPTION	NATURAL MOISTURE (%)	ATTERBERG LIMITS		PERMEABILITY (CM/SEC)	SIEVE ANALYSIS (% Passing)						ASTM SOIL CLASSIFICATION	UNIFIED SOIL CLASSIFICATION
				LIQUID LIMIT (%)	PLASTICITY INDEX (%)		No. 4	No. 10	No. 40	No. 60	No. 100	No. 200		
1.		Light Tan Sand				6.18×10^{-3}								

*88-Split Spoon
ST-Shelby Tube
A-Auger

Technician: /lm

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REPORT ON IN-PLACE DENSITY TESTS

CLIENT: Comcast

PROJECT: Cont. G. to det.

AREA TESTED: AS 100 100 100

COURSE: CR DEPTH OF TEST: 10

TYPE OF TEST: 900 J 67-A DATE TESTED: 11-8-71

NOTE: The below tests DO/DO NOT meet the minimum _____ % compaction requirements of maximum density.

REMARKS: _____

[illegible]

TECH. 43



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Project No.: 1810.1000071.0000
Date: 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

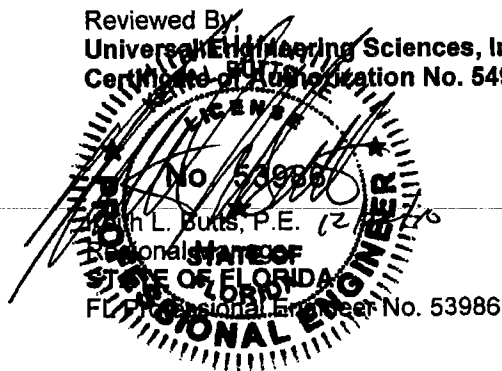
As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

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.

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Project No.: 1810.1000071.0000
Report No.: 873717
Date: 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/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.: 873718

Date: December 16, 2010

REPORT OF IN-PLACE DENSITY TESTS

Client: Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

Project: Citrus County Central Landfill Phase III
S.R. 44
Inverness, FL

☐ Sanitary Pipe ☒ Building Pad ☐ Subgrade ☐ Fill ☐ Limerock
☐ Sanitary Structure ☐ Footings ☐ Other: ☐ Backfill ☐ Stabilization
☐ Storm Pipe ☐ Roadway ☐ Other: ☒ Native ☐ Other:
☐ Storm Structure ☐ Curb ☐ Embankment

☒ Top ☐ Fill ☐ Pipe ☐ Base Course
☐ Springline "OF" ☒ Native ☐ Structure ☐ Subgrade
☐ Bottom ☐ Footing ☐ Berm ☐ Other:

☐ ASTM D-2937 Drive Cylinder Method ☒ ASTM D-1557 Modified Proctor ☐ FM 5-515 LBR
☒ ASTM D-6938 Nuclear Gauge Method ☐ ASTM D-698 Standard Proctor ☐ ASTM D-1883 CBR
☐ ASTM D-1556 Sand Cone Method ☐ AASHTO T180 Modified Proctor
☐ ASTM D-558 Soil Cement Field Proctor ☐ AASHTO T99 Standard Proctor

Report Left on Site? ☐ Yes (With Whom?)
☐ No (Reason?)

Compaction Requirement = 95%

Date Tested: 12/08/10

Test Data		Test Results		Test Results		Test Results		Test Results		Test Results	
Test No.	Location of Test	Depth (ft)	Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Wet Density (pcf)	Dry Density (pcf)	Wet Density (pcf)	Dry Density (pcf)	Wet Density (pcf)	Dry Density (pcf)
1.	West Side Box Culvert Pad	-1'-0	-	110.0	11.0	116.6	107.0	9.0	97	PASS	
2.	24" RCP Headwall #2, East Most Side	-1'-0	-	110.0	11.0	111.8	107.1	4.4	97	PASS	
3.	24" RCP Headwall #1, North Side	-1'-0	-	115.0	9.0	126.5	115.3	9.7	100	PASS	

Technician: AR/lm

UNIVERSAL

ENGINEERING SCIENCES

**Consultants In: Geotechnical Engineering •
Environmental Sciences • Construction Materials Testing**

REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

CLIENT: Comanco

PROJECT: Celine Co. land

AREA TESTED: 5-8-2002 PK

COURSE: 4 DEPTH OF TEST: 0.1

TYPE OF TEST: ACM 100910 DATE TESTED: 1-7-11

NOTE: The below tests ~~DO/DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

[illegible][illegible]

TECH. AL



UNIVERSAL ENGINEERING SCIENCES

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.: 1810.1000071.0000
Date: January 10, 2011

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

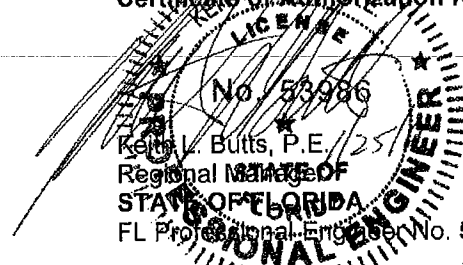
As requested, a representative of Universal Engineering Sciences, Inc. (UES) was at the referenced project to provide construction materials testing services.

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





UNIVERSAL ENGINEERING SCIENCES

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.: 1810.1000071.0000
Report No.: 876623
Date: 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.

Technician: DI/lm



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: 876625
DATE: 01/10/11

Certificate of Authorization No. 549

REPORT ON LIMEROCK BEARING RATIO (FM5-515)

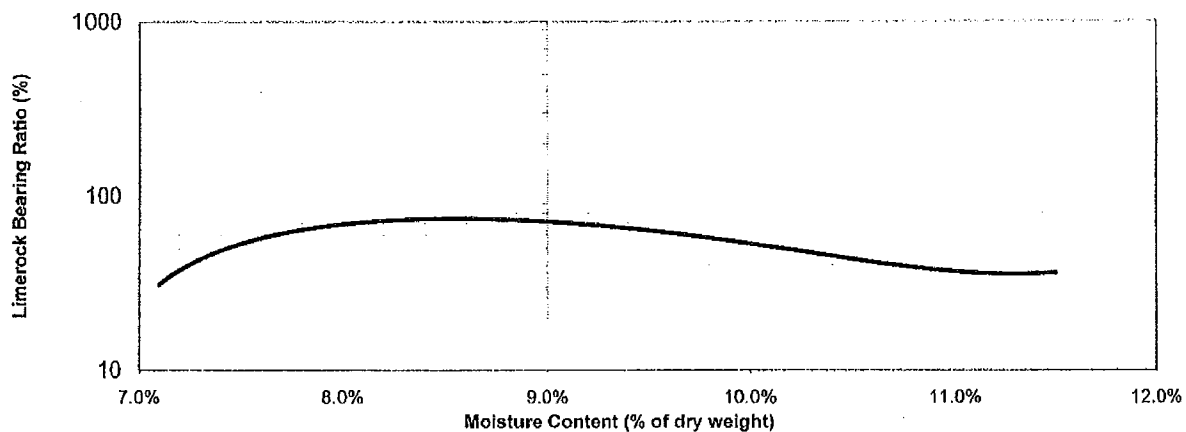
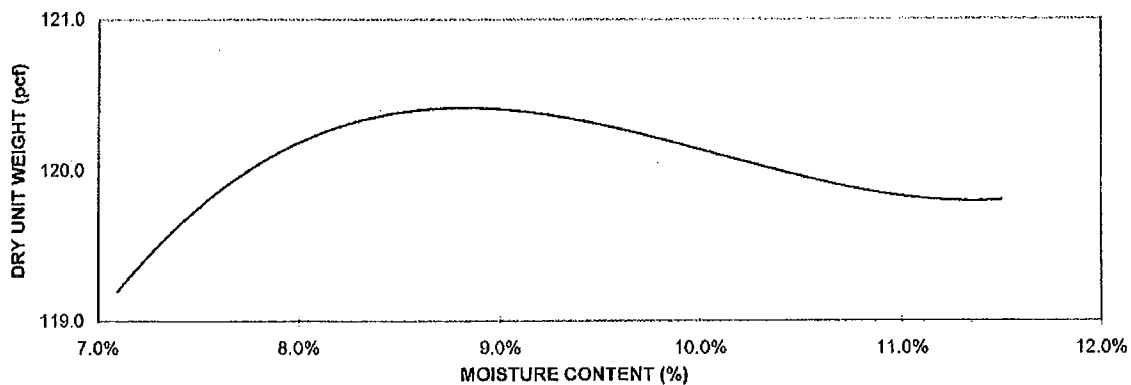
CLIENT Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566

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: 9.0
MAX DENSITY: 120.0

LBR Value: 75

Attachment 4-4

Woven Geotextile MQC Certificates

Product : M440-180

ROLL # ASTM METHOD UNITS TARGET	WEIGHT* D5261 oz/sq yd 15.00	MD TENSILE D4632 lbs. 600	MD ELONG D4632 % 15	XMD TENSILE D4632 lbs 500	XMD ELONG D4632 % 15	MD TRAP D4533 lbs. 250	XMD TRAP D4533 lbs 250	PUNCTURE D4833 lbs. 180	CBR PUNCTURE D6241 lbs. 900	MULLEN D3786 psi 1350	AOS D4751 US Sieve 30	WATER FLOW D4491 gpm/ft ² 10	PERMITTIVITY D4491 sec ⁻¹ 0.15
410103171	15.33	611	20	502	24	252	273	192	913	1350	30	13	0.18
410103173	15.33	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



August 9, 2010

Mail To:

Dominique H. Bramlett
SCS Engineers
4041 Park Oaks Blvd, Suite 100
Tampa, Florida 33610

Bill To:

<= 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



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 REPLICATE NUMBER										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 4833)												
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)												
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	
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.



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 REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Wide Width Tensile Properties (ASTM 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					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
TD Break Elongation (%)	24.5	21.9	23.8	21.9	22.8	23.7					23.1	1.1
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.

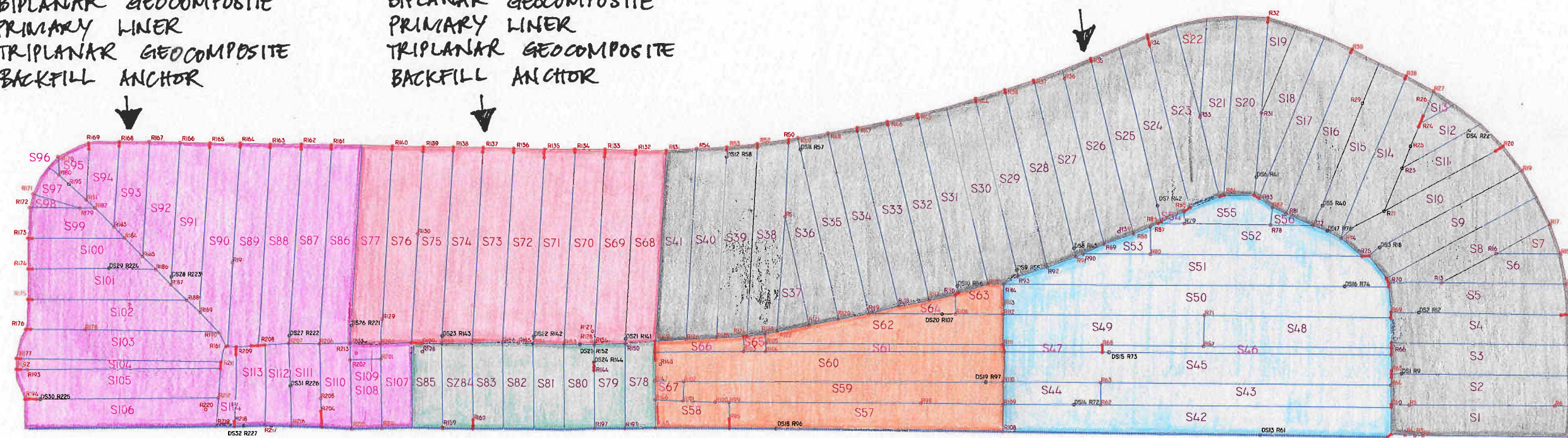
Attachment 5-1
Proposed Panel Placement



PHASE VI
BIAXIAL GEODGRID
SECONDARY LINER
BIPLANAR GEOCOMPOSITE
PRIMARY LINER
TRIPLANAR GEOCOMPOSITE
BACKFILL ANCHOR

PHASE IV
BIAXIAL GEODGRID
SECONDARY LINER
BIPLANAR GEOCOMPOSITE
PRIMARY LINER
TRIPLANAR GEOCOMPOSITE
BACKFILL ANCHOR

PHASE I
BIAXIAL GEODGRID
SECONDARY LINER
BIPLANAR GEOCOMPOSITE
PRIMARY LINER
TRIPLANAR GEOCOMPOSITE
BACKFILL ANCHOR



PHASE II
BIAXIAL GEODGRID
GCL
SECONDARY LINER
BIPLANAR GEOCOMPOSITE
PRIMARY LINER
TRIPLANAR GEOCOMPOSITE

PHASE III
BIAXIAL GEODGRID
GCL
SECONDARY LINER
BIPLANAR GEOCOMPOSITE
PRIMARY LINER
TRIPLANAR GEOCOMPOSITE

PHASE II
BIAXIAL GEODGRID
GCL
SECONDARY LINER
BIPLANAR GEOCOMPOSITE
PRIMARY LINER
TRIPLANAR GEOCOMPOSITE

NOTES:

- 1) UPON COMPLETION OF ALL PHASES, THE UNIAXIAL GEODGRID WAS PLACED ON PHASES I AND IV AND ON THE SLOPE OF PHASE VI.
- 2) THE TWO-FOOT PROTECTIVE SAND COVER WAS PLACED ON THE BOTTOM OF THE CELL SIMULTANEOUSLY WITH THE UNIAXIAL GEODGRID.
- 3) AFTER PLACEMENT OF THE UNIAXIAL GEODGRID AND THE TWO-FOOT PROTECTIVE SAND COVER, THE RAIN TARP WAS PLACED ON ALL PHASES EXCEPT PHASE II.

LEGEND	
S SECONDARY PANEL NUMBER	CAF
H REPAIR NUMBER	PATCH
DS DESTRUCTIVE SECONDARY TEST NUMBER	DESTRUCTIVE TEST
WELD	EXTRUSION WELD

CENTRAL LANDFILL
SHASE 3 EXANSION SROJECT
SECONDARY
AS BUILT

CITRUS COUNTY
SOLID WASTE
MANAGEMENT DIVISION
CITRUS COUNTY,FLORIDA

COMANCO		4301 STERLING COMMERCE DR. SLANT CITY, FL 33566-7372 TELEPHONE: (813) 988-8829 FAX: (813) 496-7305
DESIGNED BY: WDS	CHECKED BY: RL	DWG. NO. 1
DATE: 1-8-11	APPROVED BY: RL	
SLOT SCALE: 1" = 40'	FILE NAME: CITRUS COUNTY	
PROJECT NO.: 07104101	PHASE 3 EXANSION SECONDARY	

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 Biaxial Geogrid Properties

Parameter	Specification	Range of MQC Test Results ¹
Mass/Unit Weight (oz/yd ³)	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/yd ³)	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

5XTBD

MIRAGRID TEST DATA

18-Aug-10

Style	ROLL#	Wide Width @5%MD 1710 lbs/ft	Wide Width Ult MD 4300 lbs/ft	Wide Width @5%XMD 1710 lbs/ft	Wide Width Ult XMD 4300 lbs/ft
5XTBD	032191658	2434.8 ✓	5162 ✓	2020.4 ✓	6848 ✓
5XTBD	032191659	2988.4 ✓	5189 ✓	1991 ✓	7607 ✓
5XTBD	032191660	2931.2 ✓	5168 ✓	1955 ✓	7231 ✓
5XTBD	032191661	3083.2 ✓	5208 ✓	1950.4 ✓	7497 ✓
5XTBD	032191662	3083.2 ✓	5208 ✓	1950.4 ✓	7497 ✓
5XTBD	032191663	3540 ✓	5169 ✓	1964 ✓	7341 ✓
5XTBD	032191664	3353 ✓	5163 ✓	2068 ✓	7666 ✓
5XTBD	032191665	2953 ✓	5160 ✓	1930 ✓	7195 ✓
5XTBD	032191666	2895 ✓	5212 ✓	1932 ✓	7210 ✓
5XTBD	032191667	3257 ✓	5232 ✓	2006 ✓	7326 ✓
5XTBD	032191668	3280 ✓	5240 ✓	2032 ✓	7135 ✓
5XTBD	032191669	3098 ✓	5188 ✓	2137 ✓	7354 ✓
5XTBD	032191670	3189 ✓	5099 ✓	2078 ✓	7254 ✓
5XTBD	032191671	3119 ✓	5141 ✓	2025 ✓	7445 ✓
5XTBD	032191672	3044 ✓	5193 ✓	2008 ✓	7243 ✓
5XTBD	032191673	3044 ✓	5193 ✓	2008 ✓	7243 ✓

TENCATE

MIRAGRID 5XTBD Certification

TENCATE GEOSYNTHETICS
NORTH AMERICA

Page: 1

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.

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 ✓	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

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-LAP-25-1997

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365 South Holland Dr.
Pendergrass, GA 30567

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Tel 888 795 0808

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www.tencate.com



Attachment 6-2

Uniaxial Geogrid MQC Certificates

MIRAGRID TEST DATA

15-Oct-10

Style	ROLL#	Wide Width @5%MD 6 5 10 lbs/ft	Wide Width Ult MD lbs/ft
22XT	031115225	7189.8 ✓	20655 ✓
22XT	031115234	7219 ✓	20035 ✓
22XT	031123885	8155.5 ✓	22412 ✓
22XT	031123886	8155.5 ✓	22412 ✓
22XT	031123887	7777.6 ✓	22561 ✓
22XT	031123888	7252.5 ✓	22941 ✓
22XT	031123889	7252.5 ✓	22941 ✓
22XT	031123890	7252.5 ✓	22941 ✓
22XT	031123891	7252.5 ✓	22941 ✓
22XT	031123892	7363 ✓	22594 ✓
22XT	031123893	7292.5 ✓	21368 ✓
22XT	031123894	7292.5 ✓	21368 ✓
22XT	031123895	7888.6 ✓	23362 ✓
22XT	031123896	7888.6 ✓	23362 ✓
22XT	031123899	7888.6 ✓	23362 ✓

14350



MIRAGRID 22XT Certification

ATTN: MATT

R.H. MOORE & ASSOCIATES

P.O. BOX 16549

TAMPA, FL 33687

EMAIL: MATTH@RHMOOREASSOCIATES.COM

QTY: 15 ROLLS

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 acids.

Mechanical Properties	Test Code	Test Method	Minimum Average Roll 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	Typical Value			
APERTURE SIZE (MD)	APERMD		3.2	IN	81.3	MM
APERTURE SIZE (CD)	APERCD		.3	IN	7.6	MM
MASS/UNIT WEIGHT	WEIGHT	ASTM D 5261	23.0	OZ/YD2	779.7	G/M2

ASTM D 5262 and GRI 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-LAP-25-1997

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365 South Holland Dr.
Pendergrass, GA 30567

Tel 706 693 2226
Tel 888 795 0808

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Attachment 6-3

Biaxial Geogrid CQA Conformance Test Results



September 16, 2010

Mail To:

Dominique Bramlett
SCS Engineers
4041 Park Oaks Blvd., Suite 100
Tampa, Florida 33610-9501

email: dbramlett@scsengineers.com
cc:email: ehilton@scsengineers.com

Bill To:

<= Same

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



GEOGRID TEST RESULTS

TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: 5XTBD Tencate Geogrid
Sample Identification: 032191658
TRI Log #: E2348-04-06

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density/Specific Gravity (ASTM D 792, Method A)												
Density (g/cm3)	1.216	1.219	1.225								1.220	0.005
Wide Width Tensile Properties (ASTM D 6637, Method 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												

MD - Machine Direction TD - Transverse/Cross Machine Direction

The testing herein 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.



GEOGRID TEST RESULTS

TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: 5XTBD Tencate Geogrid
Sample Identification: 032191662
TRI Log #: E2348-04-06

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density/Specific Gravity (ASTM D 792, Method A)												
Density (g/cm3)	1.222	1.215	1.217								1.218	0.004
Wide Width Tensile Properties (ASTM D 6637, Method B)												
MD Number of Ribs per Specimen:	5											
MD Number of Ribs per foot:	10.8											
MD Ultimate Strength (lbs)	2346	2363	2381	2215	2308						2323	66
MD Ultimate Strength (lbs/ft)	5046	5083	5123	4765	4964						4996	142
MD Ultimate Strength (kN/m)	73.7	74.2	74.8	69.6	72.5						72.9	2.1
MD Strength @ 2% Strain (lbs)	533	526	559	544	564						545	16
MD Strength @ 2% Strain (lbs/ft)	1147	1132	1203	1169	1213						1173	35
MD Strength @ 2% Strain (kN/m)	16.8	16.5	17.6	17.1	17.7						17.1	0.5
MD Strength @ 5% Strain (lbs)	1280	1193	1251	1259	1243						1245	32
MD Strength @ 5% Strain (lbs/ft)	2754	2566	2690	2709	2674						2678	69
MD Strength @ 5% Strain (kN/m)	40.2	37.5	39.3	39.5	39.0						39.1	1.0
MD Strength @ 10% Strain (lbs)		2359.54	2365.7								2363	4
MD Strength @ 10% Strain (lbs/ft)		5076	5089								5082	9
MD Strength @ 10% Strain (kN/m)		74.11	74.30								74.20	0.14
MD Break Elongation (%)	9.42	10.3	10.3	8.71	9.79						9.70	0.7
TD Number of Ribs per Specimen:	5											
TD Number of Ribs per foot:	12.8											
TD Ultimate Strength (lbs)	2952	2991	2978	2900	2928						2950	37
TD Ultimate Strength (lbs/ft)	7538	7638	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	1243	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	2105	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												

The testing herein 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.



GEOGRID TEST RESULTS

TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: 5XTBD Tencate Geogrid
Sample Identification: 032191666
TRI Log #: E2348-04-06

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
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, Method 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
TD 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
TD Strength @ 5% Strain (lbs/ft)	1973	1980	1967	1972	1929						1964	20
TD Strength @ 5% Strain (kN/m)	28.8	28.9	28.7	28.8	28.2						28.7	0.3
TD Strength @ 10% Strain (lbs)	2125	2110	2032	2075	2064						2081	37
TD 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

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GEOGRID TEST RESULTS

TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: 5XTBD Tencate Geogrid
Sample Identification: 032191670
TRI Log #: E2348-04-06

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density/Specific Gravity (ASTM D 792, Method A)												
Density (g/cm3)	1.206	1.207	1.208								1.207	0.001
Wide Width Tensile Properties (ASTM D 6637, Method 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 (lbs/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 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
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											
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
TD Strength @ 10% Strain (lbs)	2039	2111	2184	2160	2073						2113	60
TD Strength @ 10% Strain (lbs/ft)	5167	5350	5535	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												

MD - Machine Direction TD - Transverse/Cross Machine Direction

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Attachment 6-4

Uniaxial Geogrid CQA Conformance Test Results



October 7, 2010

Mail To:

Dominique Bramlett
SCS Engineers
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



GEOGRID TEST RESULTS

TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: Tencate 22XT Geogrid
Sample Identification: 031123885
TRI Log #: E2348-29-07

TEST REPLICATE NUMBER											MEAN	STD. DEV.
PARAMETER	1	2	3	4	5	6	7	8	9	10		
Density/Specific Gravity (ASTM D 792, Method A)												
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:	1											
MD Number of Ribs per foot:	12.4											
MD Ultimate Strength (lbs)	1981	2012	1918	1948	1924	1958	1971	1962	1951	1951	1958	27
MD Ultimate Strength (lbs/ft)	24496	24884	23723	24089	23800	24214	24380	24271	24125	24135	24212	334
MD Ultimate Strength (kN/m)	358	363	346	352	347	354	356	354	352	352	353	5
MD Strength @ 2% Strain (lbs)	405	408	372	368	401	365	364	364	338	382	377	22
MD Strength @ 2% Strain (lbs/ft)	5011	5045	4598	4548	4964	4518	4506	4508	4178	4722	4660	276
MD Strength @ 2% Strain (kN/m)	73.2	73.7	67.1	66.4	72.5	66.0	65.8	65.8	61.0	68.9	68.0	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)	660	666	647	631	672	613	621	609	595	638	635	26
MD Strength @ 5% Strain (lbs/ft)	8159	8241	7998	7806	8310	7580	7686	7531	7362	7894	7857	321
MD Strength @ 5% Strain (kN/m)	119	120	117	114	121	111	112	110	107	115	115	5
MD Strength @ 10% Strain (lbs)	1658	1618	1657	1630	1691	1577	1550	1598	1537	1615	1613	49
MD Strength @ 10% Strain (lbs/ft)	20501	20009	20496	20165	20908	19499	19165	19759	19003	19968	19947	607
MD Strength @ 10% Strain (kN/m)	299	292	299	294	305	285	280	288	277	292	291	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.

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GEOGRID TEST RESULTS

TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: Tencate 22XT Geogrid
Sample Identification: 031123888
TRI Log #: E2348-29-07

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
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:	1											
MD Number of Ribs per foot:	12.2											
MD Ultimate Strength (lbs)	1832	1948	1962	1967	1958	1950	1948	1965	1897	1930	1936	42
MD Ultimate Strength (lbs/ft)	22436	23856	24026	24084	23975	23874	23859	24058	23228	23628	23702	512
MD Ultimate Strength (kN/m)	328	348	351	352	350	349	348	351	339	345	346	7
MD Strength @ 2% Strain (lbs)	384	335	361	369	359	350	361	351	304	389	356	24
MD Strength @ 2% Strain (lbs/ft)	4696	4096	4420	4515	4392	4291	4425	4303	3722	4767	4363	298
MD Strength @ 2% Strain (kN/m)	68.6	59.8	64.5	65.9	64.1	62.7	64.6	62.8	54.3	69.6	63.7	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)	621	578	611	605	590	587	608	595	553	627	598	22
MD Strength @ 5% Strain (lbs/ft)	7608	7077	7481	7405	7228	7193	7449	7286	6768	7683	7318	270
MD Strength @ 5% Strain (kN/m)	111	103	109	108	106	105	109	106	99	112	107	4
MD Strength @ 10% Strain (lbs)	1604	1462	1537	1517	1496	1506	1556	1493	1335	1564	1507	73
MD Strength @ 10% Strain (lbs/ft)	19641	17907	18825	18573	18321	18439	19050	18281	16352	19147	18454	892
MD Strength @ 10% Strain (kN/m)	287	261	275	271	267	269	278	287	239	280	269	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.

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GEOGRID TEST RESULTS

TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: Tencate 22XT Geogrid
Sample Identification: 031123892
TRI Log #: E2348-29-07

TEST REPLICATE NUMBER												MEAN	STD. DEV.
PARAMETER	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:	1												
MD Number of Ribs per foot:	12.3												
MD Ultimate Strength (lbs)	1976	1984	1991	1995	2024	1948	1982	1960	1959	1986		1980	22
MD Ultimate Strength (lbs/ft)	24392	24498	24575	24635	24982	24047	24467	24192	24189	24519		24450	267
MD Ultimate Strength (kN/m)	356	358	359	360	365	351	357	353	353	358		357	4
MD Strength @ 2% Strain (lbs)	358	335	370	341	400	375	390	370	337	362		364	22
MD Strength @ 2% Strain (lbs/ft)	4418	4141	4568	4211	4939	4630	4816	4566	4158	4469		4492	270
MD Strength @ 2% Strain (kN/m)	64.5	60.5	66.7	61.5	72.1	67.6	70.3	66.7	60.7	65.2		65.6	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)	601	565	612	583	644	605	613	612	572	600		601	23
MD Strength @ 5% Strain (lbs/ft)	7425	6971	7557	7200	7950	7463	7570	7551	7058	7406		7415	283
MD Strength @ 5% Strain (kN/m)	108	102	110	105	116	109	111	110	103	108		108	4
MD Strength @ 10% Strain (lbs)	1499	1462	1540	1458	1592.1	1528.2	1524	1574	1419	1511		1511	54
MD Strength @ 10% Strain (lbs/ft)	18508	18053	19018	17999	19655	18867	18812	19435	17513	18650		18651	661
MD Strength @ 10% Strain (kN/m)	270	264	278	263	287	275	275	284	256	272		272	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.

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GEOGRID TEST RESULTS

TRI Client: SCS Engineers
Project: Citrus County Landfill

Material: Tencate 22XT Geogrid
Sample Identification: 031123895
TRI Log #: E2348-29-07

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density/Specific Gravity (ASTM D 792, Method A)												
Density (g/cm3)	1.209	1.204	1.205								1.206	0.003
Single Rib Tensile (GRI GG1-87)												
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.

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Attachment 6-5

Geogrid CQA Interface Friction Test Reports



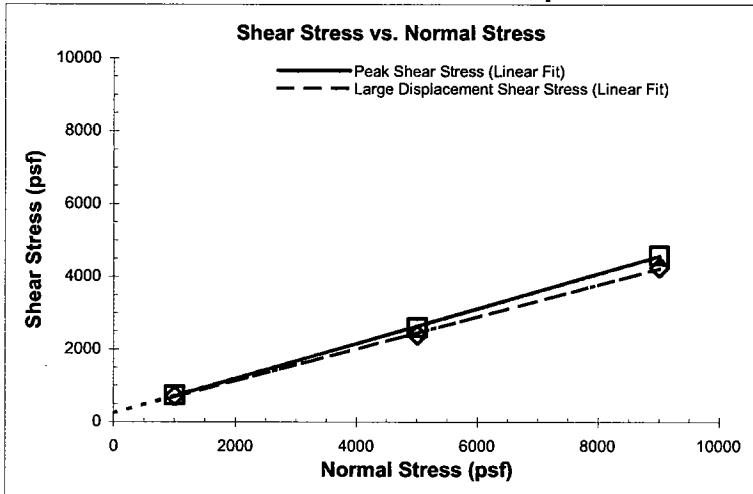
Interface Friction Test Report

Client: **SCS Engineers**
Project: **Citrus County Central Landfill Phase 3**
Test Date: 10/18/10-10/20/10

TRI Log#: E2337-95-02
Test Method: ASTM D 5321

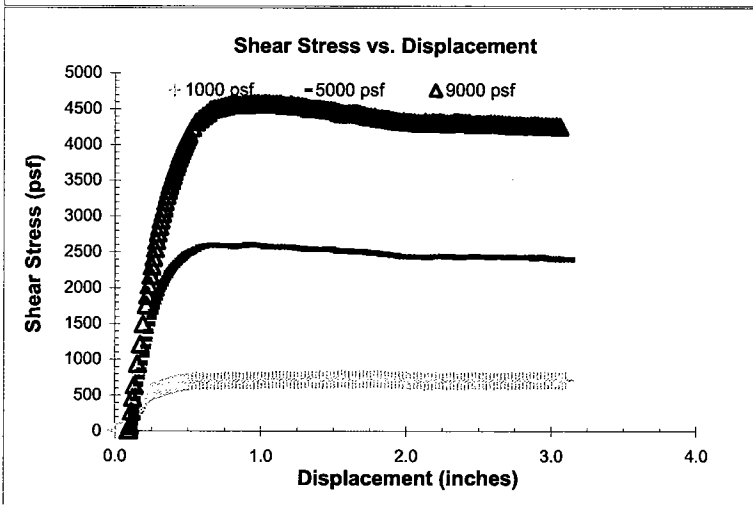
John M. Allen, P.E., 10/21/2010
Quality Review/Date

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 Lower Box	Marifi 5XT Geogrid Agru 60 mil HDPE Microspike Geomembrane (shiny side)
Box Dimensions: 12"x12"x4"	
Interface Conditioning:	Interface soaked and loading applied for 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

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Interface Friction Test Report

Client: **SCS Engineers**

Project: **Citrus County Central Landfill Phase 3**

Test Date: 10/20/10-10/21/10

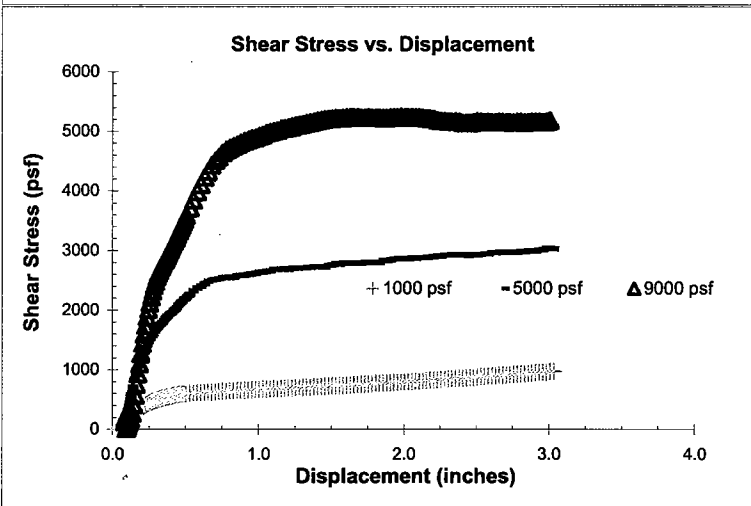
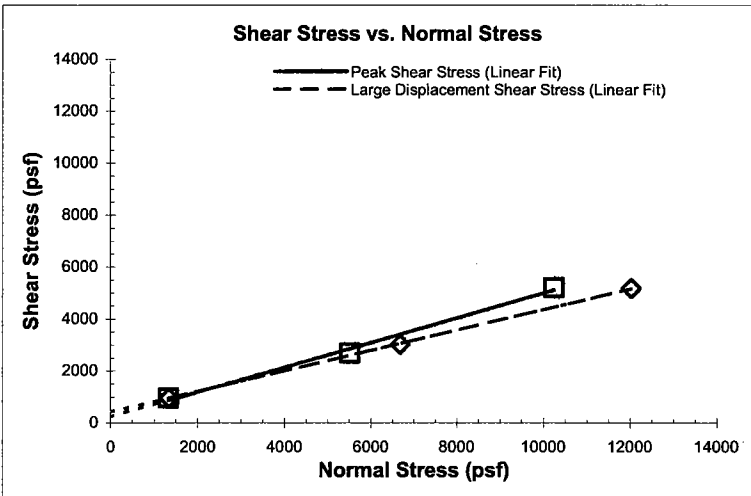
TRI Log#: E2337-95-02

Test Method: ASTM D 6243

John M. Allen, P.E., 10/21/2010

Quality Review/Date

Tested Interface: Bentomat ST GCL (7911) vs. Marifi 5XT Geogrid (32191666) vs. Subbase Soil



Test Results		
	Peak	Large Displacement (@ 3.0 in.)
Friction Angle (degrees):	25.5	21.6
Y-intercept or Adhesion (psf):	234	422

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.

Test Conditions	
Upper Box & Floating	Bentomat ST GCL (white side) Marifi 5XT geogrid
Lower Box	Subbase Soil remolded to 102.7 pcf at 14.6% moisture content
Box Dimensions:	12"x12"x4"
Interface Conditioning:	Interface soaked and loading applied for 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

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Interface Friction Test Report

Client: **SCS Engineers**

TRI Log#: E2337-95-02

John M. Allen, P.E., 10/19/2010

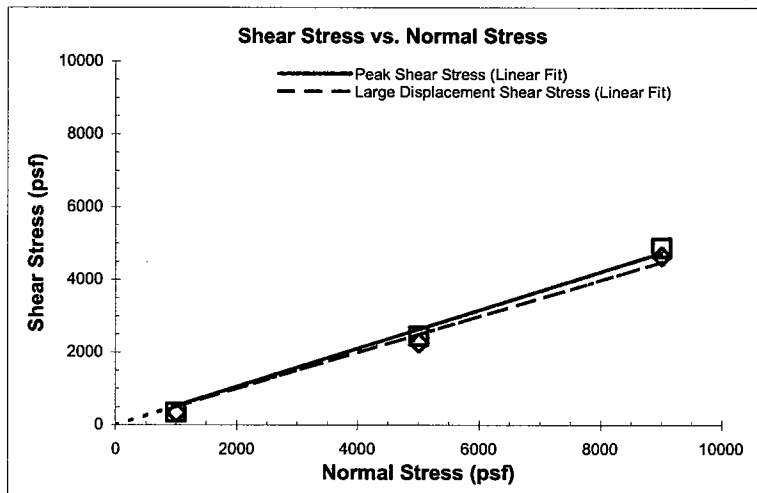
Project: **Citrus County Central Landfill Phase 3**

Test Method: ASTM D 5321

Quality Review/Date

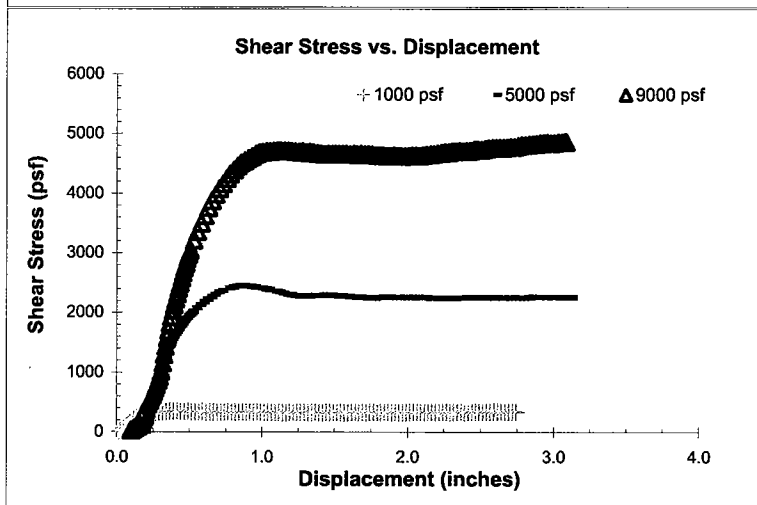
Test Date: 10/18/10-10/19/10

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.



Test Conditions	
Upper Box &	Protective Cover Soil remolded to 100.4 pcf at 13.9% moisture content
Floating	22ST Geogrid
Lower Box	Syntec TenDrain 770-2 double-sided geocomposite (circular aperture 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)	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

The testing herein 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.

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Attachment 6-6

Biaxial Geogrid Panel Placement Logs

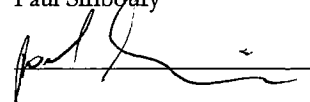
GEOGRID PLACEMENT LOG

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

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PROJECT TITLE

Central Landfill Phase 3 Expansion

PROJECT NO.

09207049.06

DATE

10/5/10

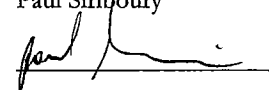
GEOGRID PLACEMENT LOG

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
P-42	032191672	41	12		N-S	0950	10/6/10

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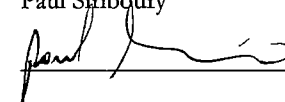
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GEOGRID PLACEMENT LOG					PROJECT TITLE <u>Central Landfill Phase 3 Expansion</u>		
					PROJECT NO. <u>09207049.06</u>		
					DATE <u>10/6/10</u>		

PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK-NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS
P-43	032191667	154	12		N-S	0954	NORTH SLOPE
P-44	032191667	154	12		N-S	0959	NORTH SLOPE
P-45	032191667	155	12		N-S	1004	NORTH SLOPE
P-46	032191667	155	12		N-S	1008	NORTH SLOPE
P-47	032191667	155	12		N-S	1013	NORTH SLOPE
P-48	032191667	156	12		N-S	1017	NORTH SLOPE
P-49	032191667	156	12		N-S	1022	NORTH SLOPE
P-50	032191667	156	12		N-S	1026	NORTH SLOPE
P-51	032191667	157	12		N-S	1030	NORTH SLOPE
P-52	032191667	157	12		N-S	1038	NORTH SLOPE
P-53	032191667	158	12		N-S	1042	NORTH SLOPE
P-54	032191668	158	12		N-S	0800	10/7/10
P-55	032191668	158	12		N-S	0805	10/7/10
P-56	032191668	158	12		N-S	0811	10/7/10
P-57	032191668	160	12		N-S	0816	10/7/10
P-58	032191668	160	12		N-S	0824	10/7/10
P-59	032191668	160	12		N-S	0836	10/7/10
P-60	032191668	160	12		N-S	0842	10/7/10
P-61	032191668	116	12		N-S	0847	10/7/10
P-62	032191668	64	12		N-S	0853	10/7/10
P-63	032191668	164	12		N-S	0900	10/7/10

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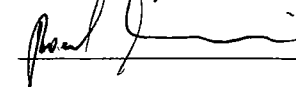


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					PROJECT NO. <u>09207049.06</u>		
					DATE <u>10/7/10</u>		
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK-NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS
P-64	032191668	164	12		N-S	0909	NORTH SLOPE
P-65	032191668	164	12		N-S	0914	NORTH SLOPE
P-66	032191662	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

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PROJECT TITLE

Central Landfill Phase 3 Expansion

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09207049.06

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GEOGRID PLACEMENT LOG

PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICKNESS	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

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DATE

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GEOGRID PLACEMENT LOG

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

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PROJECT TITLE

Central Landfill Phase 3 Expansion

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09207049.06

DATE

10/27/10

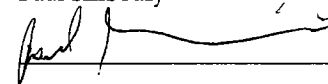
GEOGRID PLACEMENT LOG

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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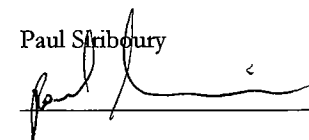
SCS Engineers (BIAXIAL)	SHEET	8	of	10
GEOGRID PLACEMENT LOG	PROJECT TITLE	Central Landfill Phase 3 Expansion		
	PROJECT NO.	09207049.06		
	DATE	10/27/10		

PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICKNESS	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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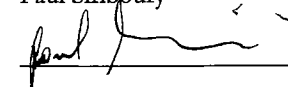
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SHEET	9 of 10								
PROJECT TITLE	Central Landfill Phase 3 Expansion								
PROJECT NO.	09207049.06								
DATE	10/28/10								

PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK-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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10/28/10_

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Attachment 6-7

Uniaxial Geogrid Panel Placement Logs

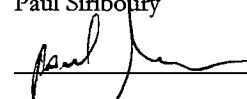
GEOGRID PLACEMENT LOG

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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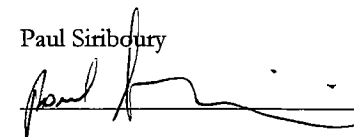
SCS Engineers (Tensar UX1700HS) - (22xT Uniaxial) GEOGRID PLACEMENT LOG	SHEET <u>2</u> of <u>10</u> PROJECT TITLE <u>Central Landfill Phase 3 Expansion</u> PROJECT NO. <u>09207049.06</u> DATE <u>11/2/10</u>
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PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICKNESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS
P-22	31123899	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

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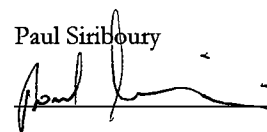
GEOGRID PLACEMENT LOG

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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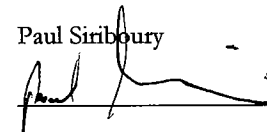
GEOGRID PLACEMENT LOG

PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK-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 Engineers (Tensar UX1700HS) (22 x 7 uniaxial)					SHEET <u>5</u> of <u>10</u>		
GEOGRID PLACEMENT LOG					PROJECT TITLE <u>Central Landfill Phase 3 Expansion</u>		
					PROJECT NO. <u>09207049.06</u>		
					DATE <u>11/15/10</u>		
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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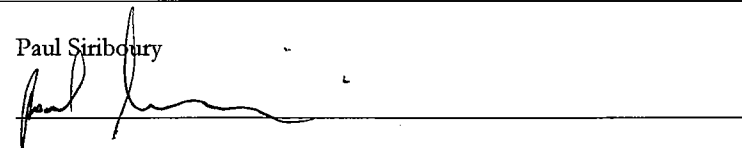


SCS Engineers (Tensar UX1700HS) (22XT uniaxial)					SHEET <u>6</u> of <u>10</u>		
GEOGRID PLACEMENT LOG					PROJECT TITLE <u>Central Landfill Phase 3 Expansion</u>		
					PROJECT NO. <u>09207049.06</u>		
					DATE <u>11/16/10</u>		
PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICK-NESS	ORIENTATION	TIME	WEATHER/CONDITIONS/COMMENTS
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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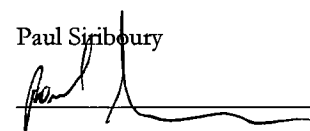
GEOGRID PLACEMENT LOG

PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICKNESS	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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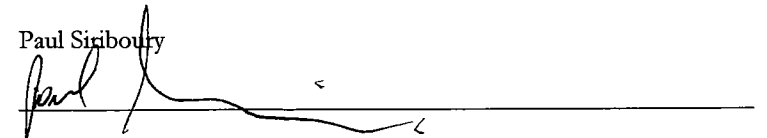
GEOGRID PLACEMENT LOG

PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICKNESS	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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GEOGRID PLACEMENT LOG

PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICKNESS	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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GEOGRID PLACEMENT LOG

PANEL NO.	ROLL NO.	LENGTH	WIDTH	THICKNESS	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
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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