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

CITRUS COUNTY, FLORIDA
AUGUST 2008

BOARD OF COUNTY COMMISSIONERS

Dennis Damato, Chairman, District 1
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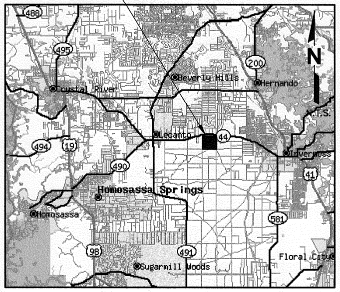
PUBLIC WORKS DEPARTMENT

Ken Frink, Director

SOLID WASTE MANAGEMENT DIRECTOR

Casey Stephens

PROJECT LOCATION



LOCATION MAP

DRAWING INDEX

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

NOTE

DRAWINGS IN THIS RECORD DRAWING SET CONTAIN INFORMATION CONCERNING OPERATION CONCEPTS INCLUDING CLOSURE OF THE DISPOSAL UNIT. THIS IS AN ACTIVE LANDFILL AND SUCH ADDITIONAL INFORMATION INCLUDED ARE PROPOSED FUTURE ACTIVITIES.

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
4041 PARK OAKS BLVD., SUITE 100
TAMPA, FLORIDA 33610
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WWW.SCSENGINEERS.COM
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

SCS PROJECT NO. 09207049.02

RECORD DRAWING SET

THIS RECORD DRAWING 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.

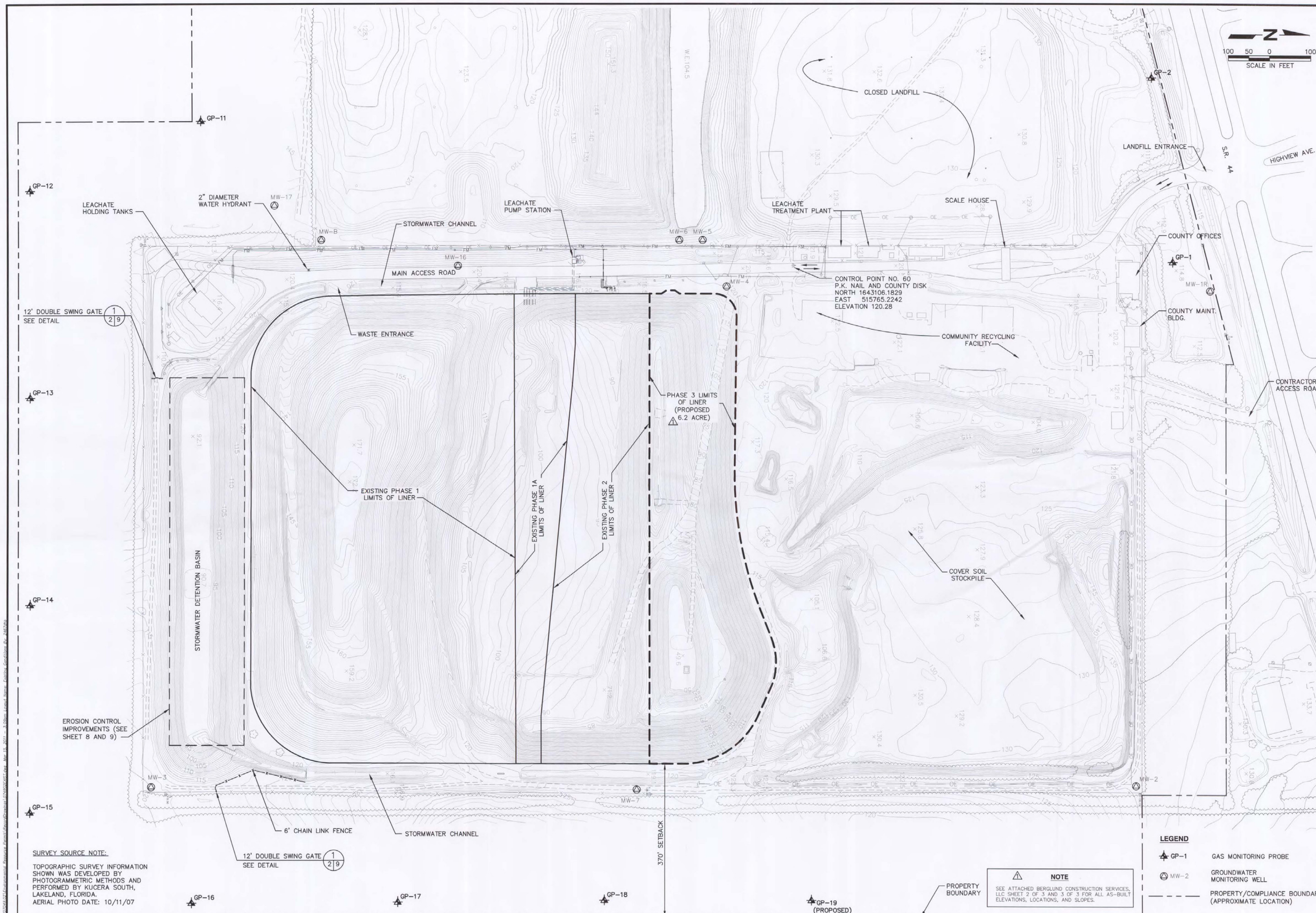
SCS ENGINEERS Date: MARCH 2011

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT
TAMPA

RECORD DRAWING SET

DATE: MARCH 16, 2011

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



RECORD DRAWING SET

DATE: MARCH 16, 2011

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

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

REV	DATE	DESCRIPTION	BY
1	3/16/11	REVISED FOR THE RECORD	DHB

DRAWING TITLE: EXISTING FACILITY SITE PLAN (TOPOGRAPHIC SURVEY DATE 10/11/07)

PROJECT TITLE: CENTRAL LANDFILL ENVIRONMENTAL RESOURCE PERMIT DRAWINGS

CLIENT: CITRUS COUNTY SOILD WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA

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FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

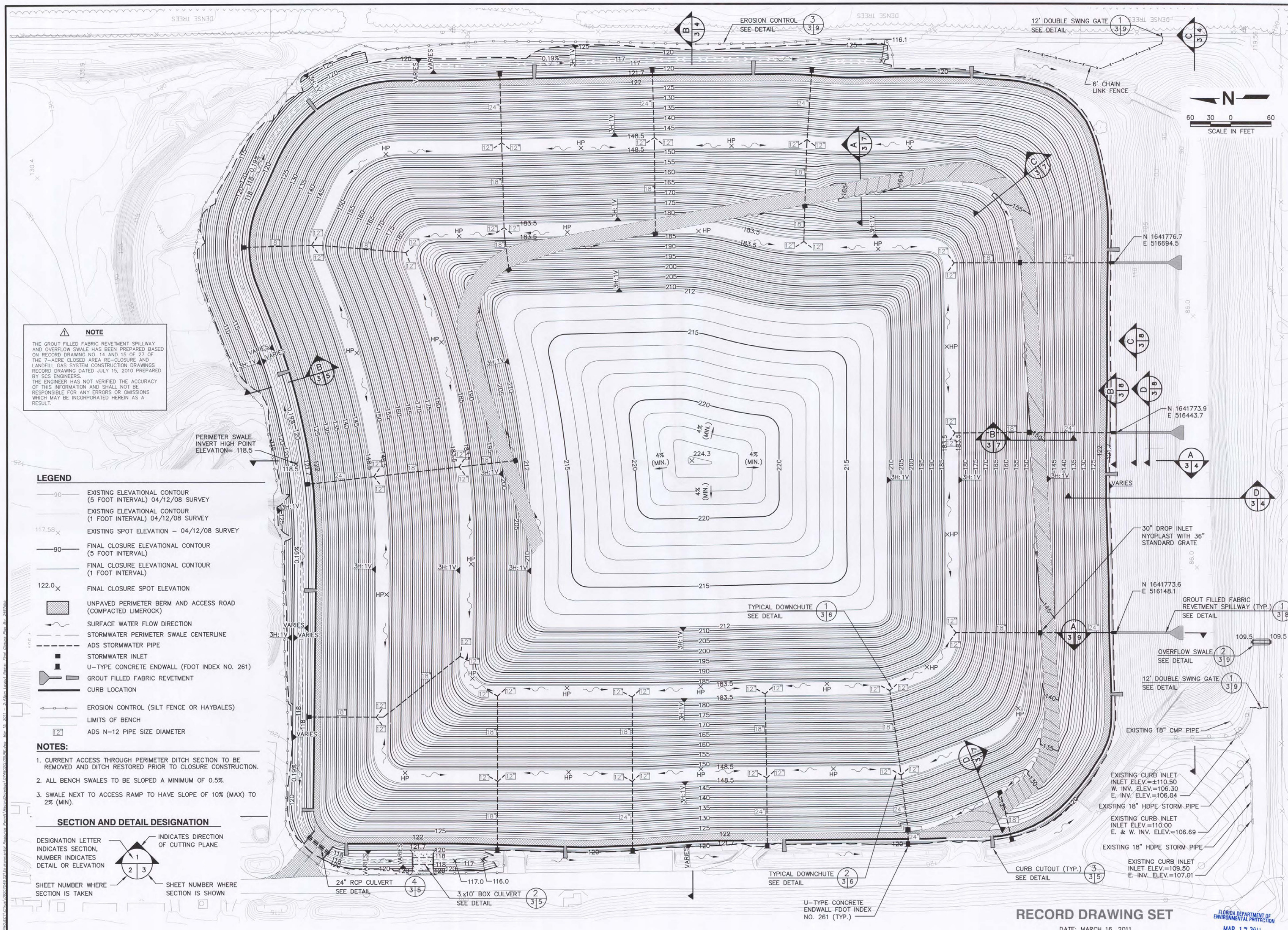
PROJ. NO.	DWN. BY:	Q/A RVW BY:
09207049.02	SDA/CTN	CEH
DSN. BY: DHB	CHK. BY: DHB	APP. BY: RJD

CADD FILE: 074902EXIST

DATE: AUGUST 2008

SCALE: AS SHOWN

DRAWING NO. 2 of 10



NOTE

THE GROUT FILLED FABRIC REVETMENT SPILLWAY AND OVERFLOW SWALE HAS BEEN PREPARED BASED ON RECORD DRAWING NO. 14 AND 15 OF 27 OF THE 7-ACRE CLOSED AREA RE-CLOSURE AND LANDFILL GAS SYSTEM CONSTRUCTION DRAWINGS RECORD DRAWING DATED JULY 15, 2010 PREPARED BY SCS ENGINEERS.
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.

LEGEND

90	EXISTING ELEVATIONAL CONTOUR (5 FOOT INTERVAL) 04/12/08 SURVEY
	EXISTING ELEVATIONAL CONTOUR (1 FOOT INTERVAL) 04/12/08 SURVEY
117.58×	EXISTING SPOT ELEVATION – 04/12/08 SURVEY
90	FINAL CLOSURE ELEVATIONAL CONTOUR (5 FOOT INTERVAL)
	FINAL CLOSURE ELEVATIONAL CONTOUR (1 FOOT INTERVAL)
122.0×	FINAL CLOSURE SPOT ELEVATION
	UNPAVED PERIMETER BERM AND ACCESS ROAD (COMPACTED LIMEROCK)
	SURFACE WATER FLOW DIRECTION
	STORMWATER PERIMETER SWALE CENTERLINE
	ADS STORMWATER PIPE
	STORMWATER INLET
	U-TYPE CONCRETE ENDWALL (FDOT INDEX NO. 261)
	GROUT FILLED FABRIC REVETMENT
	CURB LOCATION
	EROSION CONTROL (SILT FENCE OR HAYBALES)
	LIMITS OF BENCH
12"	ADS N-12 PIPE SIZE DIAMETER

NOTES:

1. CURRENT ACCESS THROUGH PERIMETER DITCH SECTION TO BE REMOVED AND DITCH RESTORED PRIOR TO CLOSURE CONSTRUCTION.
2. ALL BENCH SWALES TO BE SLOPED A MINIMUM OF 0.5%.
3. SWALE NEXT TO ACCESS RAMP TO HAVE SLOPE OF 10% (MAX) TO 2% (MIN).

SECTION AND DETAIL DESIGNATION

DESIGNATION LETTER INDICATES SECTION, NUMBER INDICATES DETAIL OR ELEVATION
INDICATES DIRECTION OF CUTTING PLANE
SHEET NUMBER WHERE SECTION IS TAKEN
SHEET NUMBER WHERE SECTION IS SHOWN

RECORD DRAWING SET

DATE: MARCH 16, 2011

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

REV	DATE	DESCRIPTION	BY
1	3/16/11	REVISED FOR THE RECORD	DHB

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

DRAWING TITLE: FINAL CLOSURE PLAN

PROJECT TITLE: CENTRAL LANDFILL ENVIRONMENTAL RESOURCE PERMIT DRAWINGS

CLIENT: CITRUS COUNTY SOILD WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA

SCS ENGINEERS
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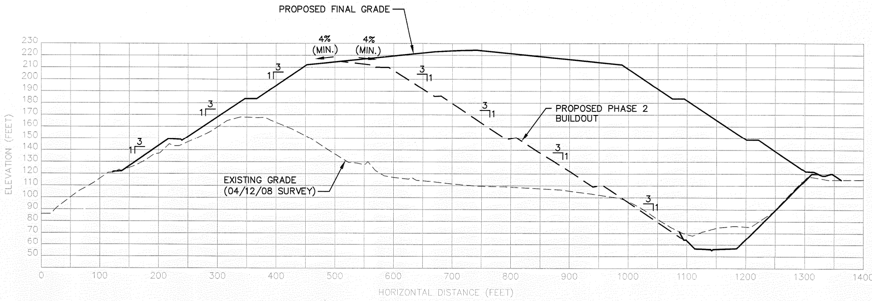
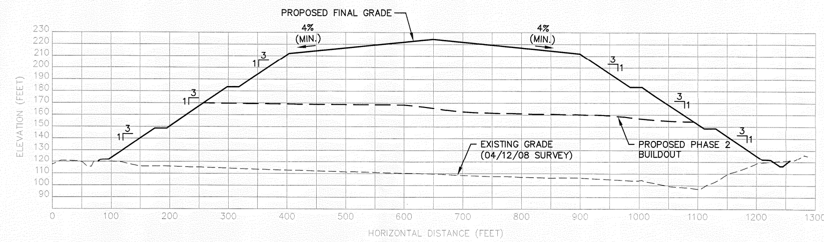
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

PROJ. NO. 09207049.02 | DWN. BY: SDA | Q/A RVW BY: CEH
DSN. BY: DHB | CHK. BY: DHB | APP. BY: RJD

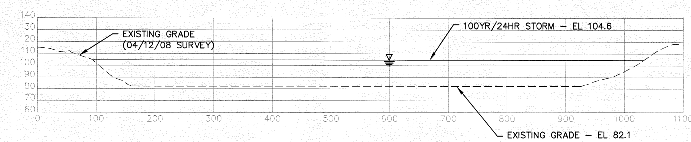
CADD FILE: 074902CLOSURE
DATE: AUGUST 2008
SCALE: AS SHOWN
DRAWING NO. 3 of 10



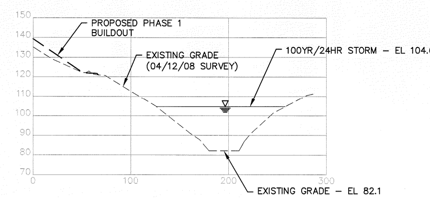
SECTION A 3|4
SCALE: 1" = 100' HORIZ.
1" = 50' VERT.



SECTION B 3|4
SCALE: 1" = 100' HORIZ.
1" = 50' VERT.



SECTION C 3|4
SCALE: 1" = 100' HORIZ.
1" = 50' VERT.



SECTION D 3|4
SCALE: 1" = 60' HORIZ.
1" = 30' VERT.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

RECORD DRAWING SET
DATE: MARCH 16, 2011

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DOMINIC H. BRAMLETT, P.E.
CERTIFICATE NO. 61829

DRAWING TITLE
SECTIONS

PROJECT TITLE
CENTRAL LANDFILL
ENVIRONMENTAL RESOURCE
PERMIT DRAWINGS

CLIENT
CITRUS COUNTY
SOILD WASTE MANAGEMENT DIVISION
CITRUS COUNTY, FLORIDA

SCS ENGINEERS
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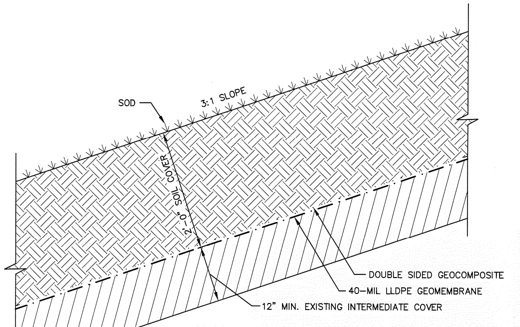
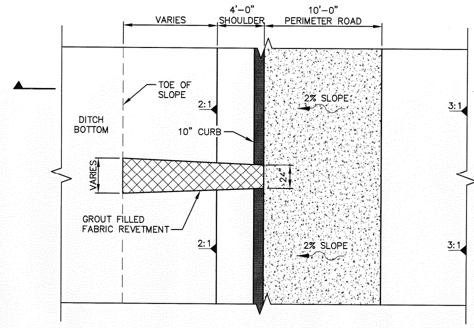
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

PROJ. NO. 092070049.02 | DWN. BY: SDA/CTN | Q/A RVW BY: CEH
DSN. BY: DHB | CHK. BY: DHB | APP. BY: RJD

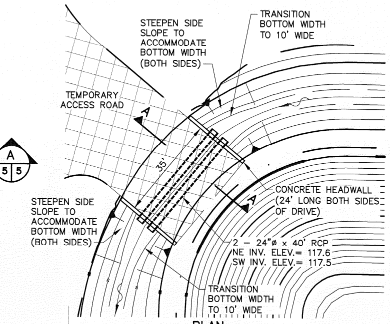
CADD FILE: 074902SECTIONS
DATE: AUGUST 2008
SCALE: AS SHOWN
DRAWING NO. **4** of **10**

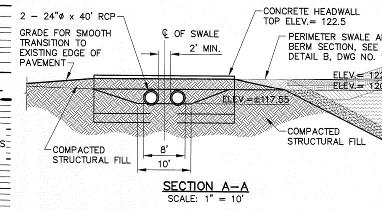


TYPICAL GEOSYNTHETIC CAP SYSTEM DETAIL 1 / 5|5
SCALE: 1" = 1'

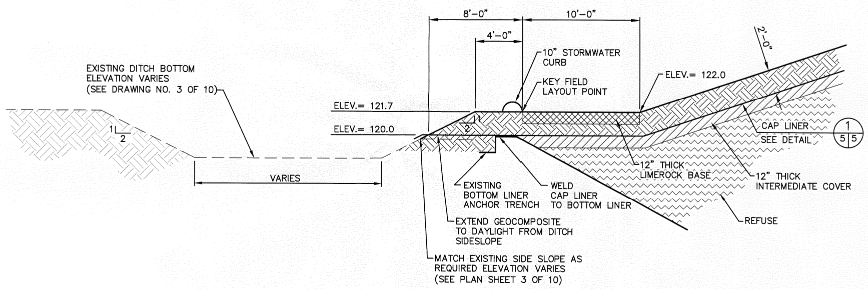


CURB CUTOUT (TYPICAL) DETAIL 3 / 4|5
SCALE: 1" = 5'

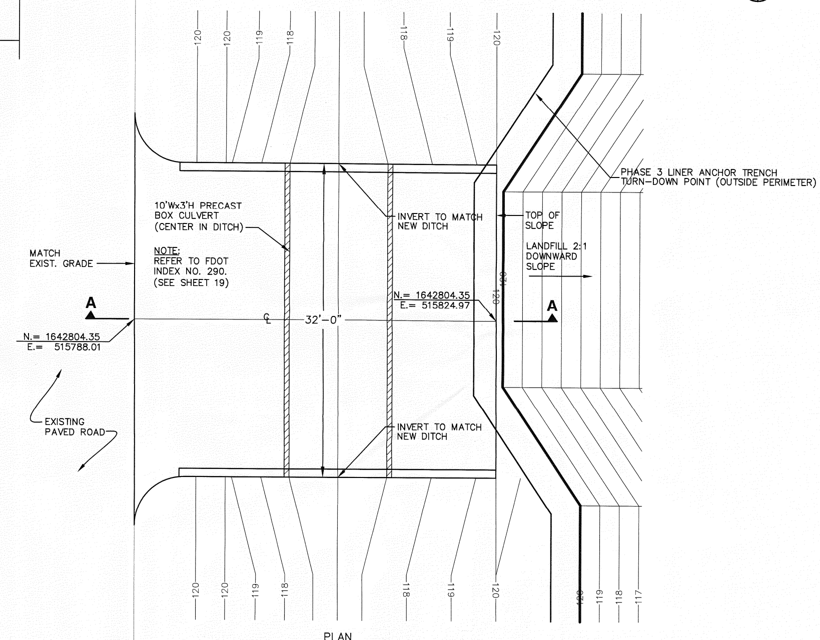


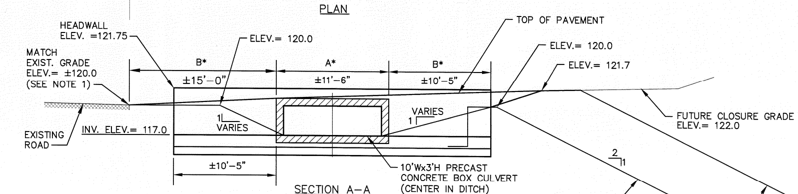


⚠ **24" RCP CULVERT DETAIL** 4 / 3|5
SCALE: 1" = 20'



PERIMETER ROAD AND CURB SECTION A / 3,5|5
SCALE: 1" = 5'





NOTE:

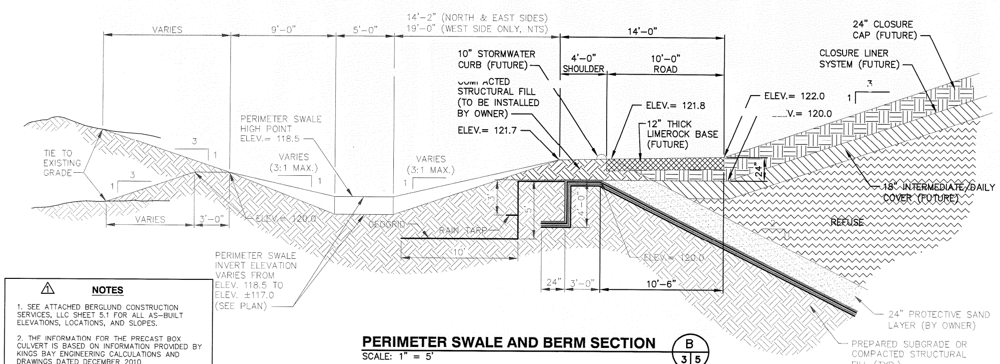
1. CONTRACTOR SHALL VERIFY EXISTING GRADES AND MAKE ADJUSTMENT AS NEEDED IN FILL PLACEMENT AND APPLICATION OF PAVEMENT SO THAT TRANSITION FROM NEW SURFACE TO EXISTING SURFACE IS FLUSH.

* CULVERT PAVEMENT GUIDE

A = 2" ASPHALT ONLY

B = 2" ASPHALT OVER 8" LIMEROCK BASE

BOX CULVERT DETAIL 2 / 3|5
NOT TO SCALE



PERIMETER SWALE AND BERM SECTION B / 3|5
SCALE: 1" = 5'

⚠ **NOTES**

1. SEE ATTACHED BERGLUND CONSTRUCTION SERVICES, LLC SHEET 5.1 FOR ALL AS-BUILT ELEVATIONS, LOCATIONS, AND SLOPES.

2. THE INFORMATION FOR THE PRECAST BOX CULVERT IS BASED ON INFORMATION PROVIDED BY KINGS BAY ENGINEERING CALCULATIONS AND DRAWINGS DATED DECEMBER 2010.

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.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

RECORD DRAWING SET
DATE: MARCH 16, 2011

DOMINICK H. BRAMLETT, P.E. CERTIFICATE NO. 61829

REV	DATE	DESCRIPTION	BY
⚠	3/16/11	REVISED FOR THE RECORD	DHB

DRAWING TITLE: **DETAILS - 1**

PROJECT TITLE: **CENTRAL LANDFILL ENVIRONMENTAL RESOURCE PERMIT DRAWINGS**

CLIENT: **CITRUS COUNTY SOILD WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA**

SCS ENGINEERS
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FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

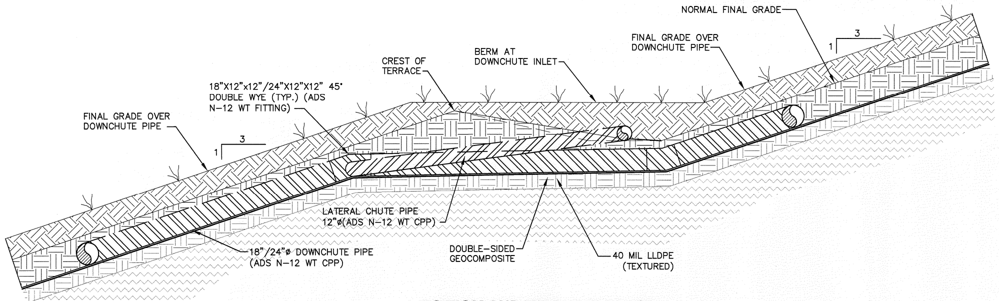
PROJ. NO. 09207049.02 | DSN. BY: DHB | DWN. BY: SDA/CTN | CHK. BY: DHB | Q/A RVW BY: CEH | APP. BY: RJD

CADD FILE: 074902DTLS1

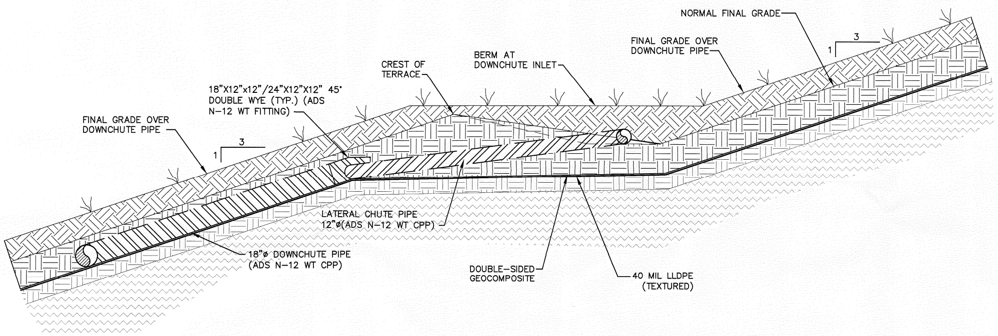
DATE: AUGUST 2008

SCALE: AS SHOWN

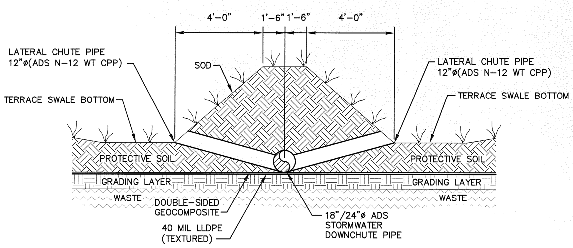
DRAWING NO. **5** of **10**



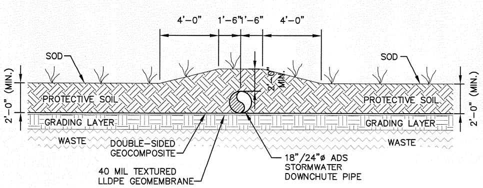
BOTTOM AND MIDDLE TERRACE INLET DOWNCHUTE PIPES SECTION (A 6|6)
SCALE: 1" = 4'-0"



TOP TERRACE INLET AND DOWNCHUTE PIPES SECTION (B 6|6)
SCALE: 1" = 4'-0"

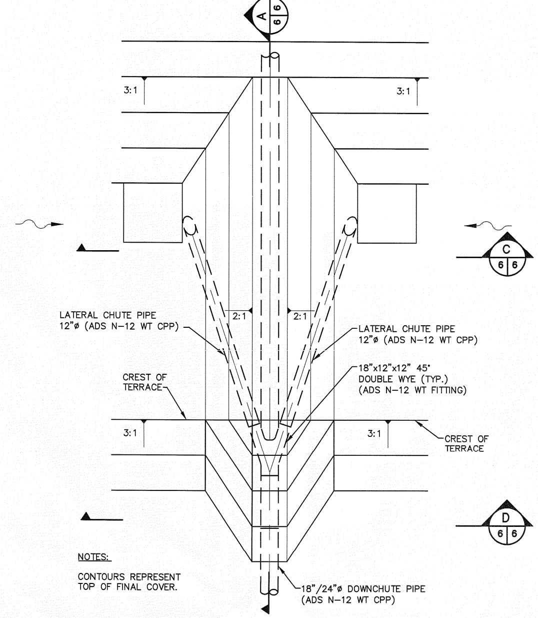


DOWNCHUTE INLET AND DOWNCHUTE PIPE SECTIONS (C 6|6)
SCALE: 1" = 2'-0"



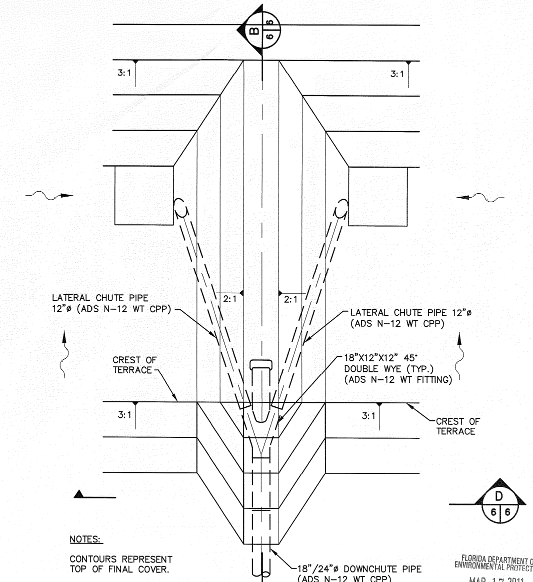
DOWNCHUTE INLET AND DOWNCHUTE PIPE SECTIONS (D 6|6)
SCALE: 1" = 2'-0"

RECORD DRAWING SET
DATE: MARCH 16, 2011



NOTES:
CONTOURS REPRESENT TOP OF FINAL COVER.

BOTTOM AND MIDDLE TERRACE INLET DOWNCHUTE PIPES (1 3|6)
SCALE: 1" = 4'-0"



NOTES:
CONTOURS REPRESENT TOP OF FINAL COVER.

TOP TERRACE INLET AND DOWNCHUTE PIPES (2 3|6)
SCALE: 1" = 4'-0"

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

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

REV	DATE	DESCRIPTION	BY
1	3/16/11	REVISED FOR THE RECORD	DHB

DRAWING TITLE: **DETAILS - 2**
PROJECT TITLE: **CENTRAL LANDFILL ENVIRONMENTAL RESOURCE PERMIT DRAWINGS**
CLIENT: **CITRUS COUNTY SOILD WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA**

SCS ENGINEERS
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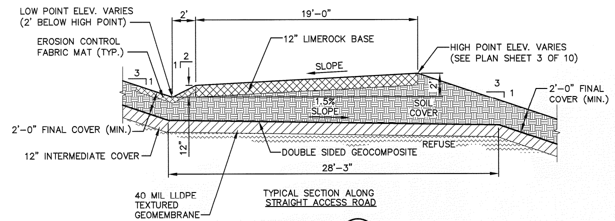
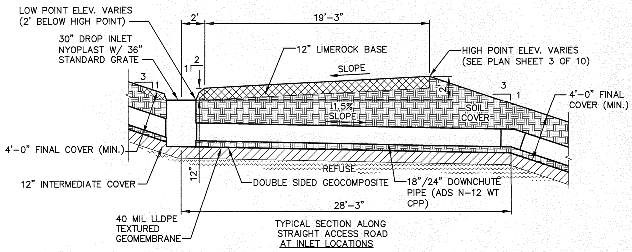
DSN. BY: DHB | CHK. BY: DHB | APP. BY: RJD

CADD FILE: 074902DETL2
DATE: AUGUST 2008
SCALE: AS SHOWN
DRAWING NO. **6** of 10



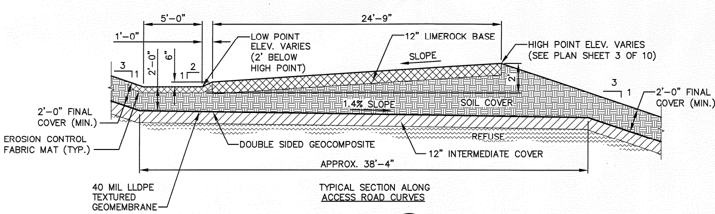
TYPICAL SECTION ALONG STRAIGHT ACCESS ROAD

SECTION A 3/7
SCALE: 1" = 5'



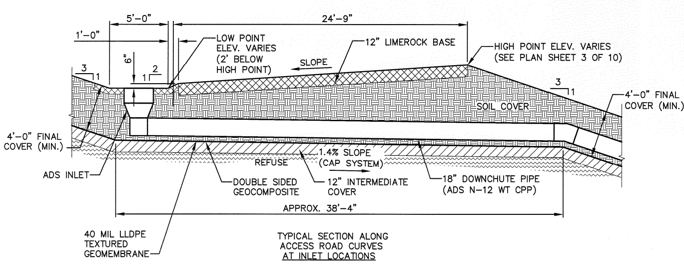
TYPICAL SECTION ALONG STRAIGHT ACCESS ROAD AT INLET LOCATIONS

SECTION B 3/7
SCALE: 1" = 5'



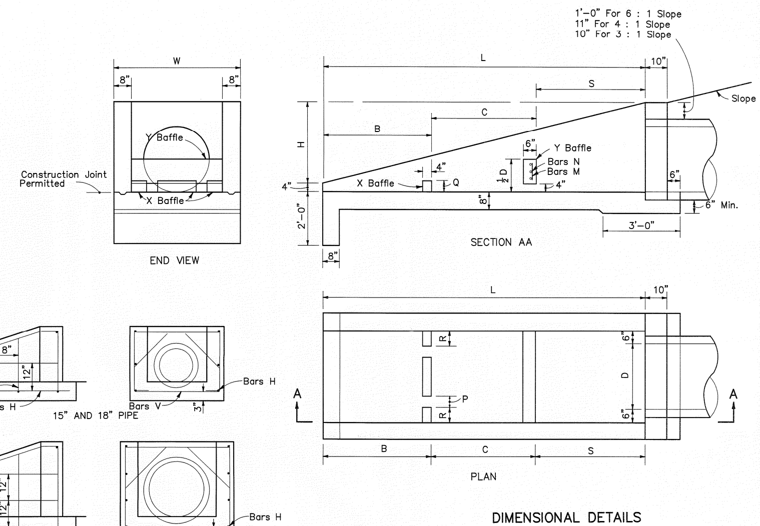
TYPICAL SECTION ALONG ACCESS ROAD CURVES

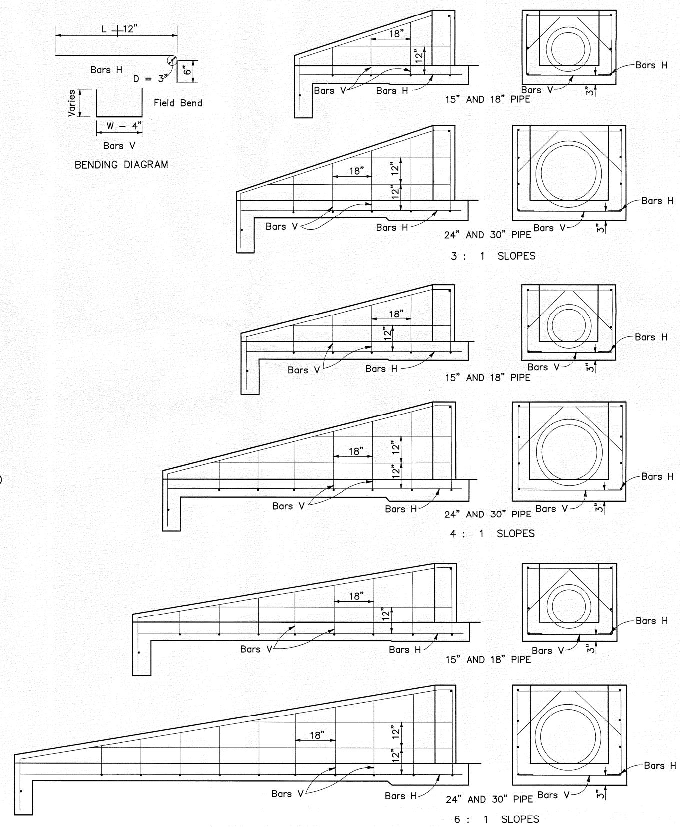
SECTION C 3/7
SCALE: 1" = 5'



TYPICAL SECTION ALONG ACCESS ROAD CURVES AT INLET LOCATIONS

SECTION D 3/7
SCALE: 1" = 5'





SIDE VIEWS AND BACKWALL SECTIONS
REINFORCING DETAILS

DIMENSIONS AND QUANTITIES FOR ONE U-ENDWALL										
Rate Of Slope	Pipe Size		L	H	W	Baffle Locations (When Required)			Concrete Class ~ Cu. Yd.	Reinf. Steel Lbs.
	D	Area Sq. Ft.				S	B	C		
3 : 1	15"	1.23	5'-3"	1'-9"	3'-7"	1'-9"	1'-9"	1'-9"	1.19	51
	18"	1.77	6'-0"	2'-0"	3'-10"	2'-0"	2'-0"	2'-0"	1.42	56
	24"	3.14	7'-6"	2'-6"	4'-4"	2'-6"	2'-6"	2'-6"	1.94	77
	30"	4.91	9'-0"	3'-0"	4'-10"	3'-0"	3'-0"	3'-0"	2.54	96
4 : 1	15"	1.23	7'-4"	1'-10"	3'-7"	2'-6"	2'-6"	2'-4"	1.54	64
	18"	1.77	8'-4"	2'-1"	3'-10"	2'-10"	2'-10"	2'-8"	1.84	71
	24"	3.14	10'-4"	2'-7"	4'-4"	3'-6"	3'-6"	3'-4"	2.53	92
	30"	4.91	12'-4"	3'-1"	4'-10"	4'-2"	4'-2"	4'-0"	3.34	124
6 : 1	15"	1.23	11'-6"	1'-11"	3'-7"	3'-10"	3'-10"	3'-10"	2.19	89
	18"	1.77	13'-0"	2'-2"	3'-10"	4'-4"	4'-4"	4'-4"	2.63	103
	24"	3.14	16'-0"	2'-8"	4'-4"	5'-4"	5'-4"	5'-4"	3.59	143
	30"	4.91	19'-0"	3'-2"	4'-10"	6'-4"	6'-4"	6'-4"	4.81	180

DIMENSIONS AND QUANTITIES FOR BAFFLES							
Pipe Size D	X Baffle			Y Baffle Reinf. Steel		Concrete Class ~ Cu. Yd.	Reinf. Steel Lbs.
	P Width	Q Height	R Length	Bar M	Bar N		
15"	4"	4"	4"	2-# 4	1-# 4	0.10	4
18"	4"	4"	5"	3-# 4	2-# 4		8
24"	5"	5"	6"	4-# 4	3-# 4		12
30"	5"	5"	7"	4-# 4	4-# 4		16

ENDWALLS WITH AND WITHOUT BAFFLES FOR 3 : 1, 4 : 1 AND 6 : 1 SLOPES

U-TYPE CONCRETE ENDWALLS
BAFFLES AND GRATE OPTIONAL
15" TO 30" PIPE

FDOT INDEX NO. 261

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

RECORD DRAWING SET
DATE: MARCH 16, 2011

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

REV	DATE	DESCRIPTION	BY
1	3/16/11	REVISED FOR THE RECORD	DHB

DRAWING TITLE: **DETAILS - 3**

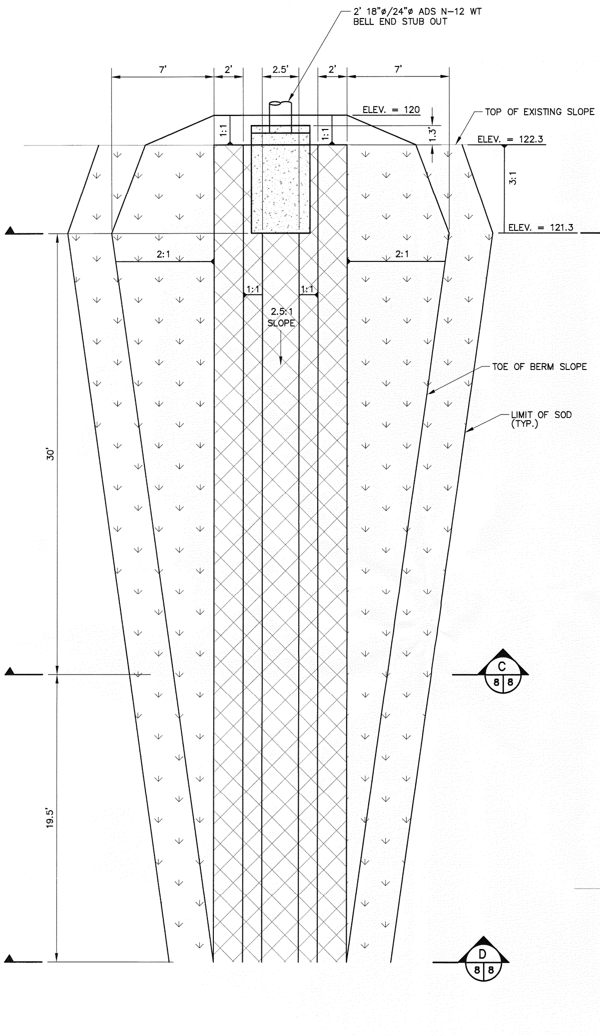
PROJECT TITLE: **CENTRAL LANDFILL ENVIRONMENTAL RESOURCE PERMIT DRAWINGS**

CLIENT: **CITRUS COUNTY SOILD WASTE MANAGEMENT DIVISION CITRUS COUNTY, FLORIDA**

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
3012 U.S. HWY. 301 NORTH, SUITE 700, TAMPA, FL 33619
PH (813) 621-0080 FAX NO. (813) 623-6757
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

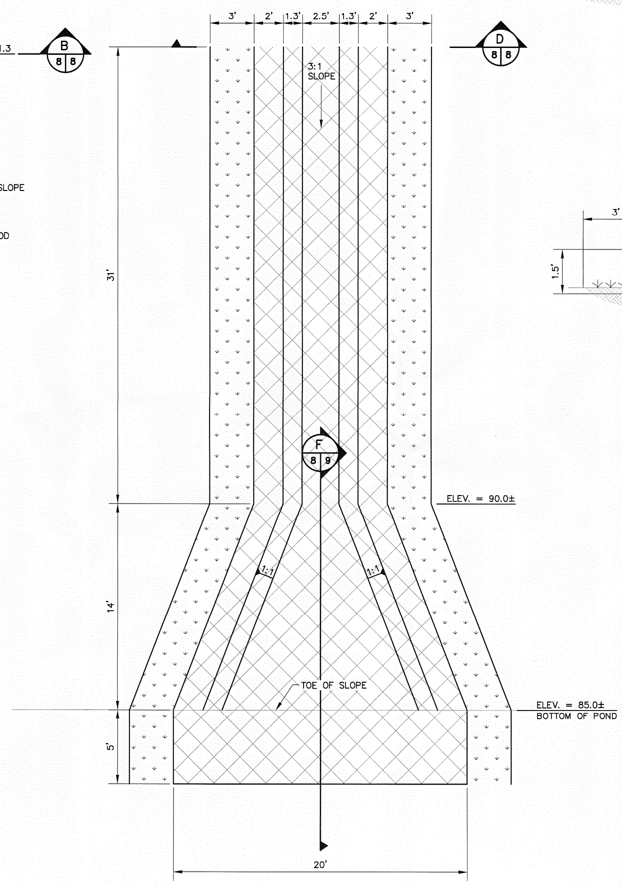
PROJ. NO. 09207049.02 | DWN. BY: CTN | Q/A RVW BY: CEH
DSN. BY: DHB | CHK. BY: DHB | APP. BY: RJD

CADD FILE: 074902DRNDETL
DATE: AUGUST 2008
SCALE: AS SHOWN
DRAWING NO.



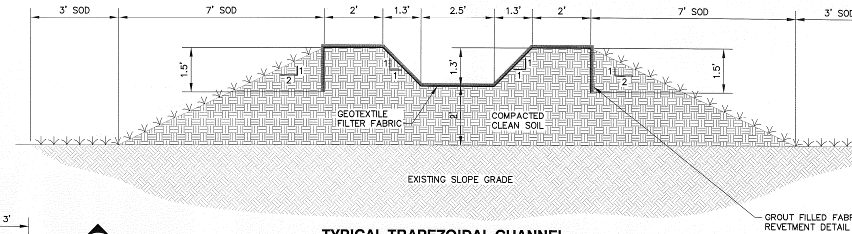
U-TYPE CONCRETE ENDWALL, TRAPEZOIDAL CHANNEL, BERM AND EXTENSION OF GEOTEXTILE FILTER FABRIC AND GROUT FILLED FABRIC REVETMENT DETAIL 1/3|8

SCALE: 1" = 4'



U-TYPE CONCRETE ENDWALL, TRAPEZOIDAL CHANNEL, BERM AND EXTENSION OF GEOTEXTILE FILTER FABRIC AND GROUT FILLED FABRIC REVETMENT DETAIL 1/3|8

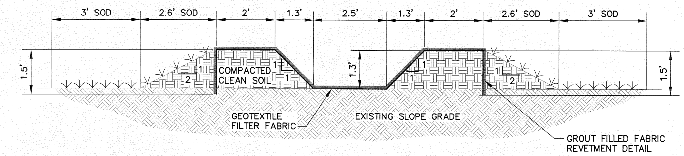
SCALE: 1" = 4'



TYPICAL TRAPEZOIDAL CHANNEL SECTION AT SOUTH DRA B/8

SCALE: 1" = 2'

3,8,9



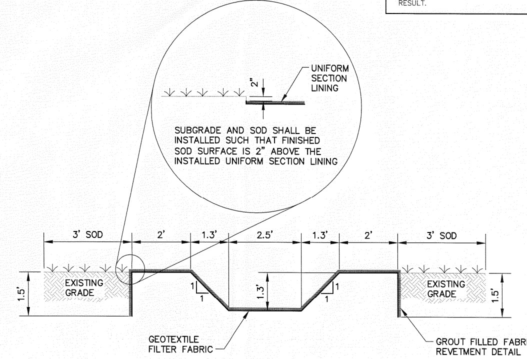
TYPICAL TRAPEZOIDAL CHANNEL SECTION AT SOUTH DRA C/8

SCALE: 1" = 2'

3,8,9

NOTE

THIS RECORD DRAWING HAS BEEN PREPARED BASED ON RECORD DRAWING NO. 14 OF 27 OF THE 7-ACRE CLOSED AREA RE-CLOSURE AND LANDFILL GAS SYSTEM CONSTRUCTION DRAWINGS RECORD DRAWING DATED JULY 15, 2010 PREPARED BY SCS. 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.



TYPICAL TRAPEZOIDAL CHANNEL SECTION AT SOUTH DRA D/8

SCALE: 1" = 2'

3,8,9

LEGEND

[crosshatch]	UNIFORM SECTION MAT
[dots]	SOD

RECORD DRAWING SET

DATE: MARCH 16, 2011

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION MAR 17 2011 SOUTHWEST DISTRICT TAMPA

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

REV	DATE	DESCRIPTION	BY
1	3/16/11	REVISED FOR THE RECORD	DHB

DRAWING TITLE: DETAILS - 4

PROJECT TITLE: CENTRAL LANDFILL ENVIRONMENTAL RESOURCE PERMIT DRAWINGS

CLIENT: CITRUS COUNTY SOILD 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 813 623-6757
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

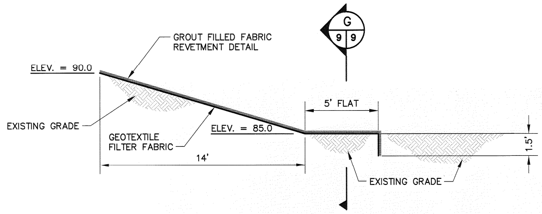
PROJ. NO. 09207049.02 | DWN. BY: SDA/CTN | Q/A RVW BY: CEH
CHK. BY: DHB | APP. BY: RJD | DSN. BY: DHB

CADD FILE: 074902ERODTLS1

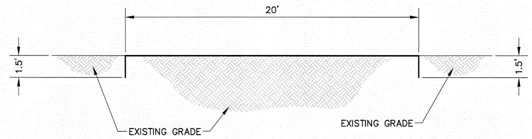
DATE: AUGUST 2008

SCALE: AS SHOWN

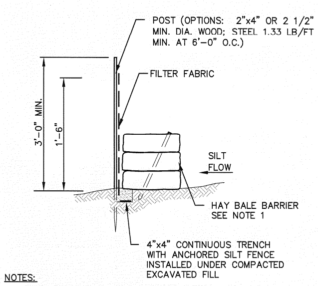
DRAWING NO. 8 of 10



FLARE OUT, 5' FLAT AREA, AND 1.5' ANCHOR TRENCH SECTION F 8|9
SCALE: 1" = 4'



5' FLAT AREA AND 1.5' ANCHOR TRENCH SECTION G 9|9
SCALE: 1" = 4'



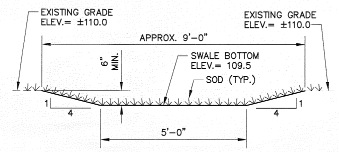
NOTES:

1. WHEN INSTALLING BOTH HAY BALE AND SILT FENCE, IT IS NOT NECESSARY TO EXCAVATE FOR HAY BALES.
2. EROSION CONTROL FEATURES TO BE INSTALLED BY CONTRACTOR PRIOR TO ANY OTHER WORK BEING CONDUCTED ON SITE.
3. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
4. REMOVE SEDIMENT SHALL BE DEPOSITED TO AN AREA AS DIRECTED BY THE OWNER.
5. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

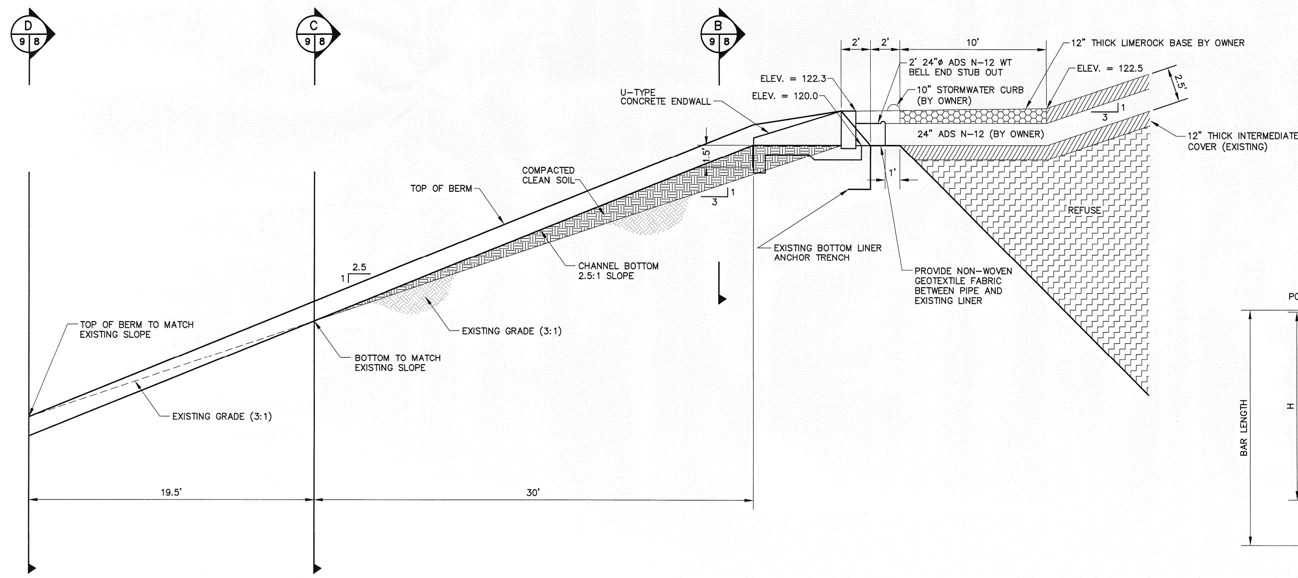
TYPICAL HAY BALE/SILT FENCE BARRIER DETAIL 3 3|9
NOT TO SCALE

NOTE

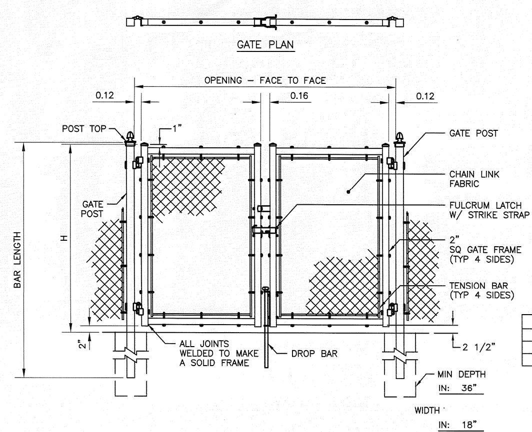
THE OVERFLOW SWALE HAS BEEN PREPARED BASED ON RECORD DRAWING NO. 15 OF 27 OF THE 7-ACRE CLOSED AREA RE-CLOSURE AND LANDFILL GAS SYSTEM CONSTRUCTION DRAWINGS RECORD DRAWING DATED JULY 15, 2010 PREPARED BY SCS. THE ENGINEER HAS NOT VERIFIED THE ACCURACY OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.



OVERFLOW SWALE DETAIL 2 3|9
SCALE: 1" = 2'



PERIMETER ROAD, CURB, AND U-TYPE CONCRETE ENDWALL SECTION A 3|9
SCALE: 1" = 4'



NOM HEIGHT (H)
6'-0"
OPENING (F/F)
14'-0"

DOUBLE SWING GATE DETAIL 1 2,3|9
NOT TO SCALE

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

RECORD DRAWING SET
DATE: MARCH 16, 2011

DOMINIC R. BRAMLETT, P.E.
LICENSE NO. 61829

REV	DATE	DESCRIPTION	BY
1	3/16/11	REVISED FOR THE RECORD	DHB

DRAWING TITLE: **DETAILS - 5**

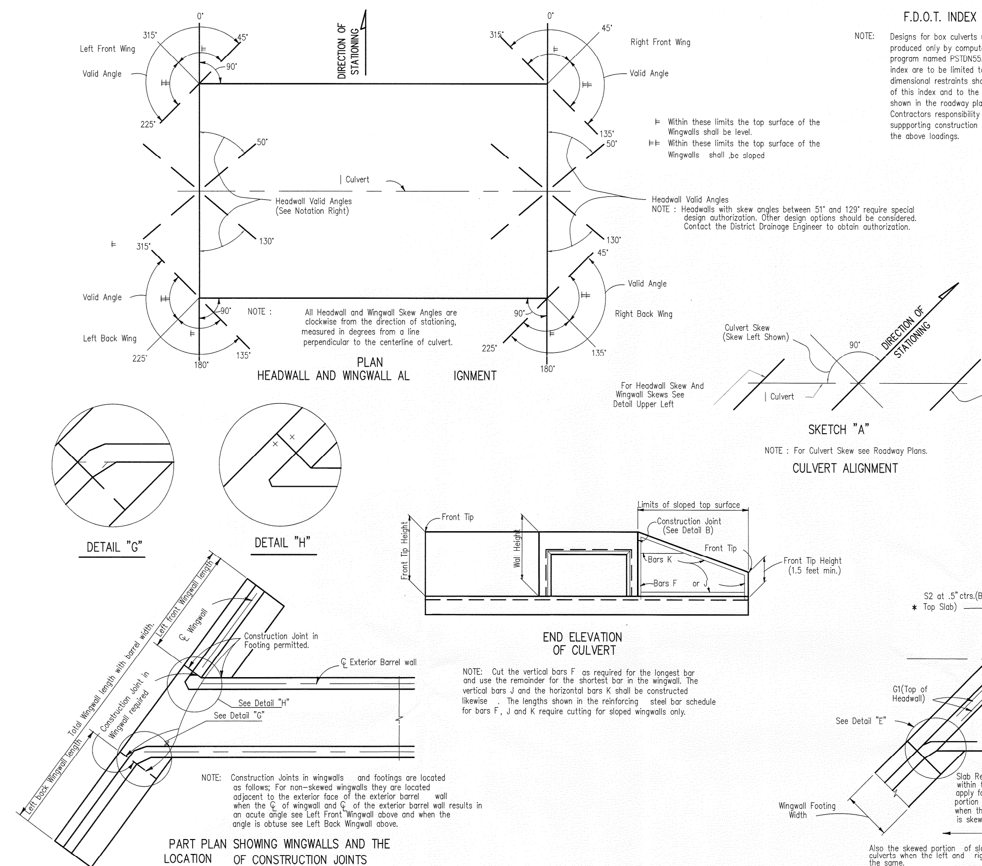
PROJECT TITLE: **CENTRAL LANDFILL ENVIRONMENTAL RESOURCE PERMIT DRAWINGS**

CLIENT: **CITRUS COUNTY SOILD 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 813 623-6757
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

PROJ. NO.: 09207049.02 | DWN. BY: SDA/CTN | Q/A RVW BY: CEH
CHK. BY: DHB | APP. BY: RJD | DSN. BY: DHB

CADD FILE: 074902ERODTLS2
DATE: AUGUST 2008
SCALE: AS SHOWN
DRAWING NO. **9** of 10



PLAN
HEADWALL AND WINGWALL ALIGNMENT

SKETCH "A"
CULVERT ALIGNMENT

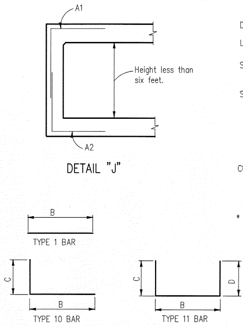
DETAIL "G"
DETAIL "H"

END ELEVATION OF CULVERT

PART PLAN SHOWING WINGWALLS AND THE LOCATION OF CONSTRUCTION JOINTS

F.D.O.T. INDEX 290

NOTE: Designs for box culverts under this index are to be produced only by computer analysis, utilizing the program named PSTDN55. Designs under this index are to be limited to the live loads and dimensional restraints shown in the General Notes of this index and to the fill on the barrel(s) as shown in the roadway plans. It is the construction Contractors responsibility to provide for suppporting construction loads that exceed the above loadings.



DETAIL "J"

TABLE OF MINIMUM BAR SPLICE LENGTHS

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"

GENERAL NOTES

DESIGN SPECIFICATIONS: A.A.S.H.T.O. 1983.

LOADING: HS20-44, Modified for Military Loading as Required

SURFACE FINISH: The Class Surface finish for all concrete surfaces shall be a general surface finish.

SKEWED CONSTRUCTION JOINTS: Construction joints in barrels of culverts with skewed wingwalls may be placed parallel to the headwalls and the reinforcing steel, in the slabs may be cut provided that the cut reinforcing steel extends beyond the construction joint enough for splices to be made in accordance with the table (lower right) this sheet. The cost of construction joints shall be at the expense of the contractor.

CULVERT EXTENTIONS: For cut backs and ties into existing concrete box culverts see Index No. 280

* REINFORCING BAR SCHEDULE:

A. When the depth is less than or equal to 2.0 feet, Bars C2 are utilized in the bottom of the top slab. In all other cases, Bars C2 are replaced with Bars C1 spaced at 18 inches on centers.

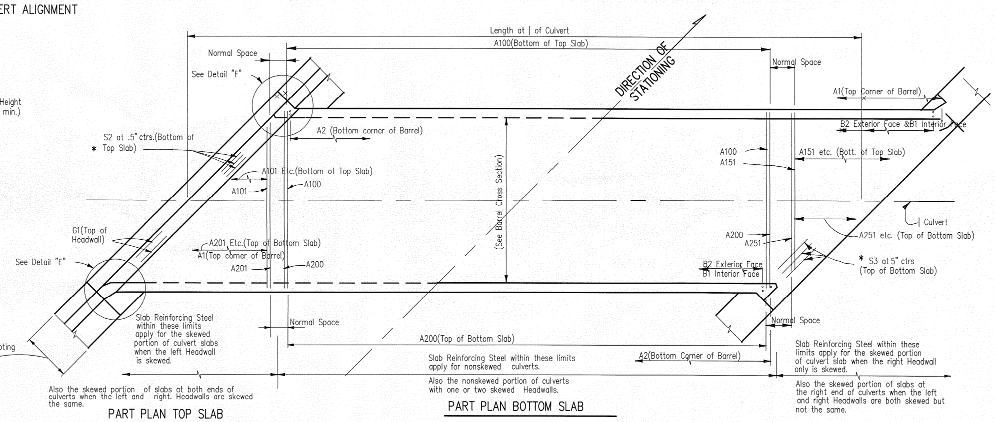
B. When the skew angle for a headwall equals 0 degrees plus or minus 11 degrees the respective S Bars (S2 or S3) will not be utilized.

C. When the barrel height is less than 6 Feet, Bars B2 will be eliminated as shown in Detail J.

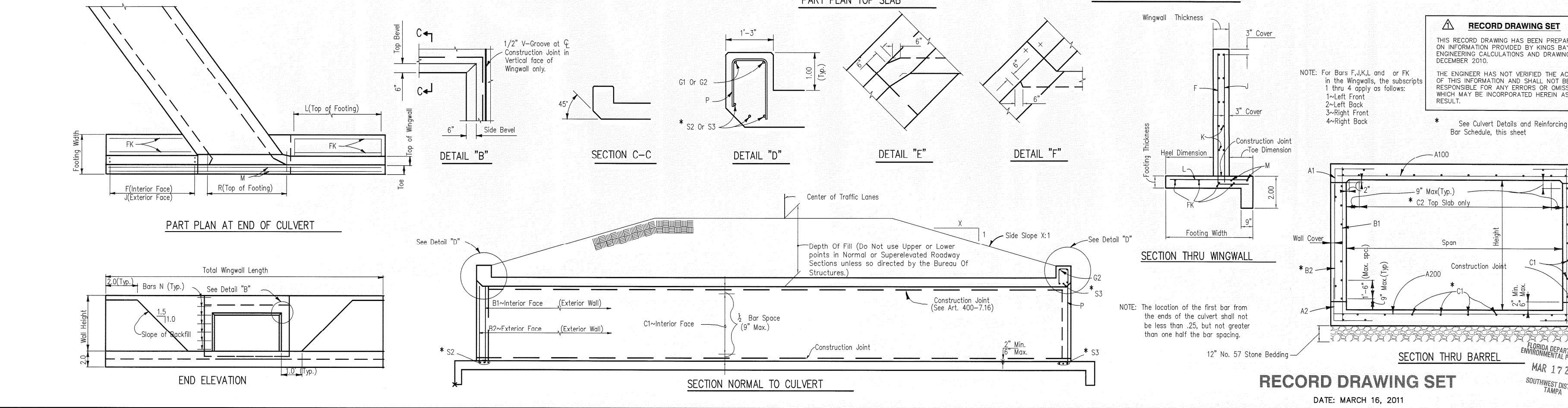
D. If the span is less than five feet, Bars A1 and A2 will be Type II Bars.

E. The portions of Bars "N" that extend thru Construction Joints into wingwalls above footings shall be given one coat of approved zinc rich paint and shall be encased in approved capped plastic (PVC) pipes filled with durable lubricant or cut back asphalt. The length and inside diameter of the plastic pipe shall be approximately 1/4" larger than those of the bar.

F. For culvert extensions Bar C1 is redesignated Bar C3 in the botton slab.



PART PLAN TOP SLAB
PART PLAN BOTTOM SLAB



PART PLAN AT END OF CULVERT
END ELEVATION
DETAIL "B"
SECTION C-C
DETAIL "D"
DETAIL "E"
DETAIL "F"
SECTION THRU WINGWALL
SECTION NORMAL TO CULVERT
SECTION THRU BARREL

RECORD DRAWING SET (1)

THIS RECORD DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY KINGS BAY ENGINEERING CALCULATIONS AND DRAWINGS DATED DECEMBER 2010.

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.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

RECORD DRAWING SET
DATE: MARCH 16, 2011

REV	DATE	DESCRIPTION	BY
1	3/16/11	REVISED FOR THE RECORD	DHB

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

DRAWING TITLE: STORMWATER BOX CULVERT DETAILS

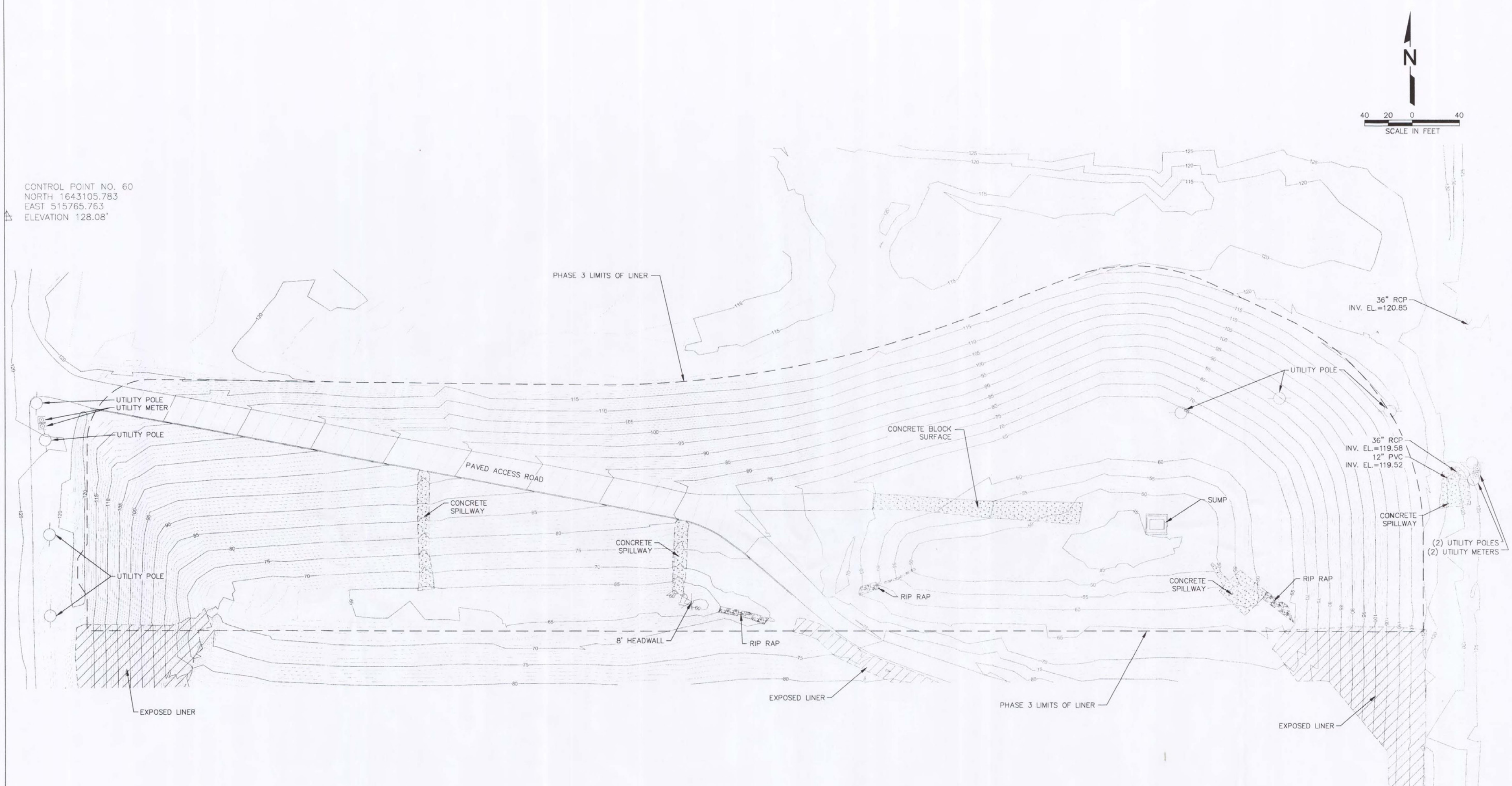
PROJECT TITLE: CENTRAL LANDFILL ENVIRONMENTAL RESOURCE PERMIT DRAWINGS

CLIENT: CITRUS COUNTY
SOILD 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 813 623-6757
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

PROJ. NO.: 09207049.02 | DWN. BY: SDA/CTN | Q/A RVW BY: CEH
DSN. BY: DHB | CHK. BY: DHB | APP. BY: RJD

CADD FILE: 074902SMPDTLS
DATE: AUGUST 2008
SCALE: AS SHOWN
DRAWING NO. 10 of 10



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. THIS DOCUMENT IS NOT INTENDED TO REPRESENT A BOUNDARY SURVEY.
3. 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 61G17-6, Florida Administrative Code.

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

Last Survey Date: 07/20/10

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

REV	DATE	DESCRIPTION	BY
	07/20/10	AS-BUILT INFORMATION	JB

DRAWING TITLE
EXISTING SITE AS-BUILT PLAN

PROJECT TITLE
CENTRAL LANDFILL
PHASE 3 EXPANSION PROJECT

PREPARED FOR
COMANCO ENVIRONMENTAL CORPORATION
PLANT CITY, FLORIDA

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

PROJ. NO.: 0920749.06 | DWN. BY: JB | CHK. BY: CN | Q/A RVW BY: | APP. BY:

CADD FILE: ASB_074906EXIST
DATE: JULY 2010
SCALE: AS SHOWN
DRAWING NO. 1 of 3

SURVEY CONTROL POINTS:

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

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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. THIS DOCUMENT IS NOT INTENDED TO REPRESENT A BOUNDARY SURVEY.
3. THIS DOCUMENT MEETS COMMERCIAL/HIGH RISK LINEAR: 1:10,000.

LEGEND

RIP-RAP

CONCRETE SURFACE

EXPOSED LINER

+127 HORIZONTAL AND VERTICAL CONTROL POINT AND IDENTIFICATION NUMBER (SEE DRAWING NO. 3 FOR COORDINATE LOCATIONS AND ELEVATIONS)

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 61G17-6, Florida Administrative Code.

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

Last Survey Date: 07/20/10

REV	DATE	DESCRIPTION	BY
1	07/20/10	AS-BUILT INFORMATION	JB

DRAWING TITLE
EXISTING SITE AS-BUILT CONTROL POINT PLAN

PROJECT TITLE
CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT

PREPARED FOR
COMANCO ENVIRONMENTAL CORPORATION PLANT CITY, FLORIDA

BERGLUND CONSTRUCTION SERVICES, LLC
PINELLAS COUNTY, FLORIDA
P: 727-639-1241 F: 727-475-5979

PROJ. NO.: 0920749.06 | DWN. BY: JB | CHK. BY: CN | Q/A RVW BY: | APP. BY:

CADD FILE: ASB_074906EXIST
DATE: JULY 2010
SCALE: AS SHOWN
DRAWING NO. 2 of 3

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

POINT NO.	NOTHING	EASTING	ELEV. (FT.)	POINT NO.	NOTHING	EASTING	ELEV. (FT.)
1	1642707.24	515768.97	120.20	161	1642733.79	516640.34	68.47
2	1642708.13	515790.01	119.88	162	1642725.25	516659.82	70.81
3	1642708.66	515800.19	119.12	163	1642718.99	516673.51	73.22
4	1642707.86	515808.97	115.17	164	1642731.99	516680.22	69.35
5	1642708.40	515815.27	114.98	165	1642757.08	516640.20	66.85
6	1642708.64	515821.33	119.08	166	1642742.75	516615.51	67.76
7	1642708.71	515825.84	119.36	167	1642757.45	516609.35	67.04
8	1642708.41	515831.50	119.03	168	1642757.67	516578.86	67.23
9	1642734.80	515831.47	119.06	169	1642749.30	516577.89	68.20
10	1642734.62	515823.52	119.64	170	1642759.92	516541.11	67.99
11	1642734.85	515820.68	119.30	171	1642757.10	516541.40	68.61
12	1642735.06	515815.05	115.98	172	1642762.36	516519.62	69.66
13	1642733.59	515806.57	115.85	173	1642764.82	516511.05	69.48
14	1642733.09	515794.88	119.52	174	1642766.25	516508.48	69.74
15	1642733.26	515789.13	119.89	175	1642764.79	516507.52	69.45
16	1642732.92	515768.23	120.12	176	1642769.87	516494.10	69.56
17	1642782.53	515767.04	120.10	177	1642773.86	516495.26	69.48
18	1642783.06	515787.91	119.83	178	1642774.56	516487.44	69.70
19	1642782.60	515794.27	119.34	179	1642781.54	516479.10	69.37
20	1642783.38	515803.41	116.88	180	1642786.48	516467.05	69.76
21	1642783.39	515812.91	116.88	181	1642787.37	516464.34	69.43
22	1642783.10	515823.27	121.58	182	1642791.59	516460.19	69.78

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 61G17-6, Florida Administrative Code.

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

Last Survey Date: 07/20/10

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

REV	DATE	DESCRIPTION	BY
1	07/20/10	AS-BUILT INFORMATION	JB

DRAWING TITLE
EXISTING SITE AS-BUILT CONTROL POINT TABLE

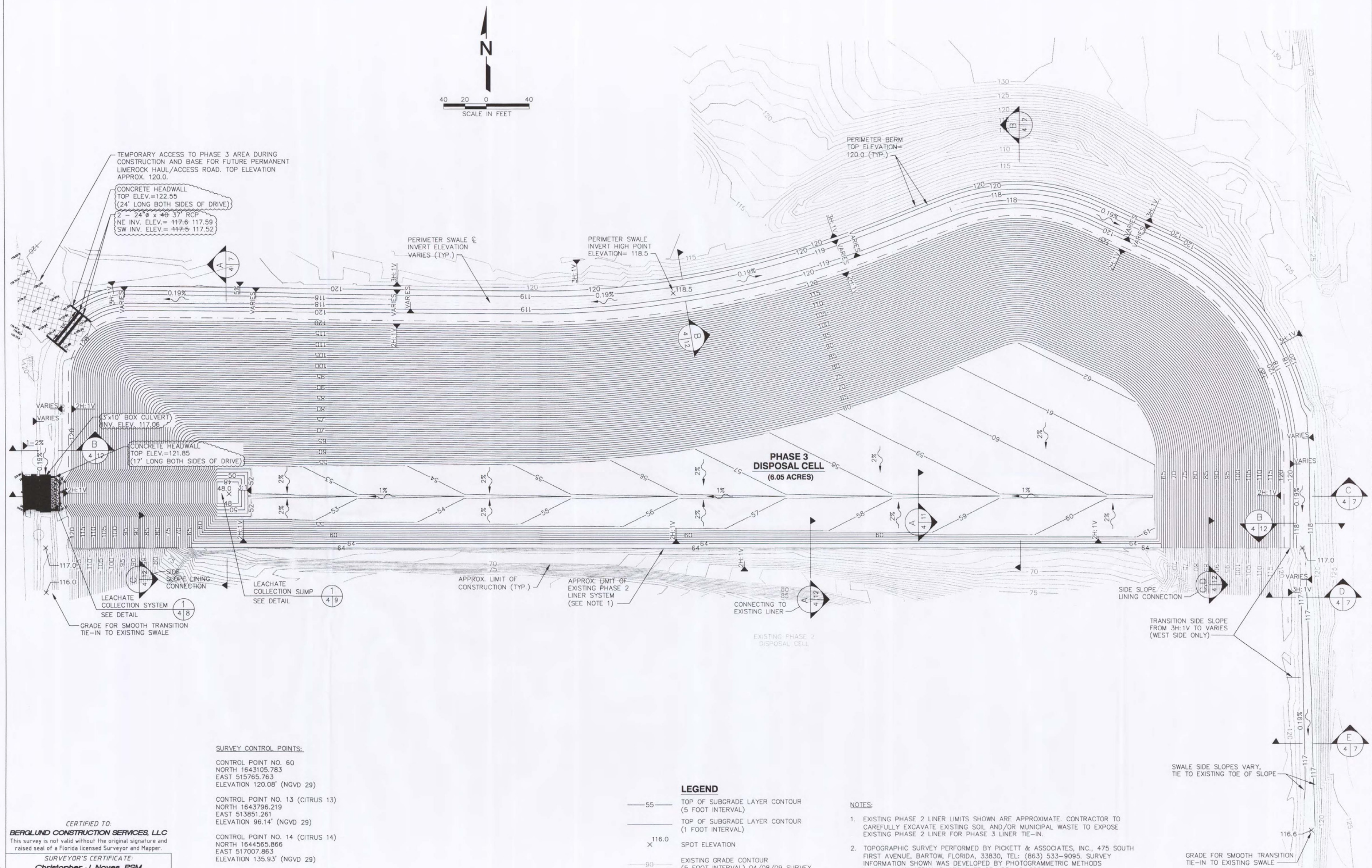
PROJECT TITLE
CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT

PREPARED FOR
COMANCO ENVIRONMENTAL CORPORATION PLANT CITY, FLORIDA

BERGLUND CONSTRUCTION SERVICES, LLC
PINELLAS COUNTY, FLORIDA
P: 727-639-1241 F: 727-475-0079

PROJ. NO. 09207049.06 | DWN. BY: JB | Q/A RVW BY:
DSN. BY: | CHK. BY: CN | APP. BY:

CADD FILE: ASB_074906EXIST
DATE: JULY 2010
SCALE: AS SHOWN
DRAWING NO. **3** of 3



SURVEY CONTROL POINTS:

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

CONTROL POINT NO. 13 (CITRUS 13)
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ELEVATION 96.14' (NGVD 29)

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CERTIFIED TO:
BERGLUND CONSTRUCTION SERVICES, LLC
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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 61G17-6, Florida Administrative Code.

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

Last Survey Date: 12/21/10

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

—55—	TOP OF SUBGRADE LAYER CONTOUR (5 FOOT INTERVAL)
——	TOP OF SUBGRADE LAYER CONTOUR (1 FOOT INTERVAL)
× 116.0	SPOT ELEVATION
—90—	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:

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.

REV	DATE	DESCRIPTION	BY
1	12/21/10	AS-BUILT INFORMATION	JB

DRAWING TITLE: **SITE GRADING AND DRAINAGE AS-BUILT PLAN**

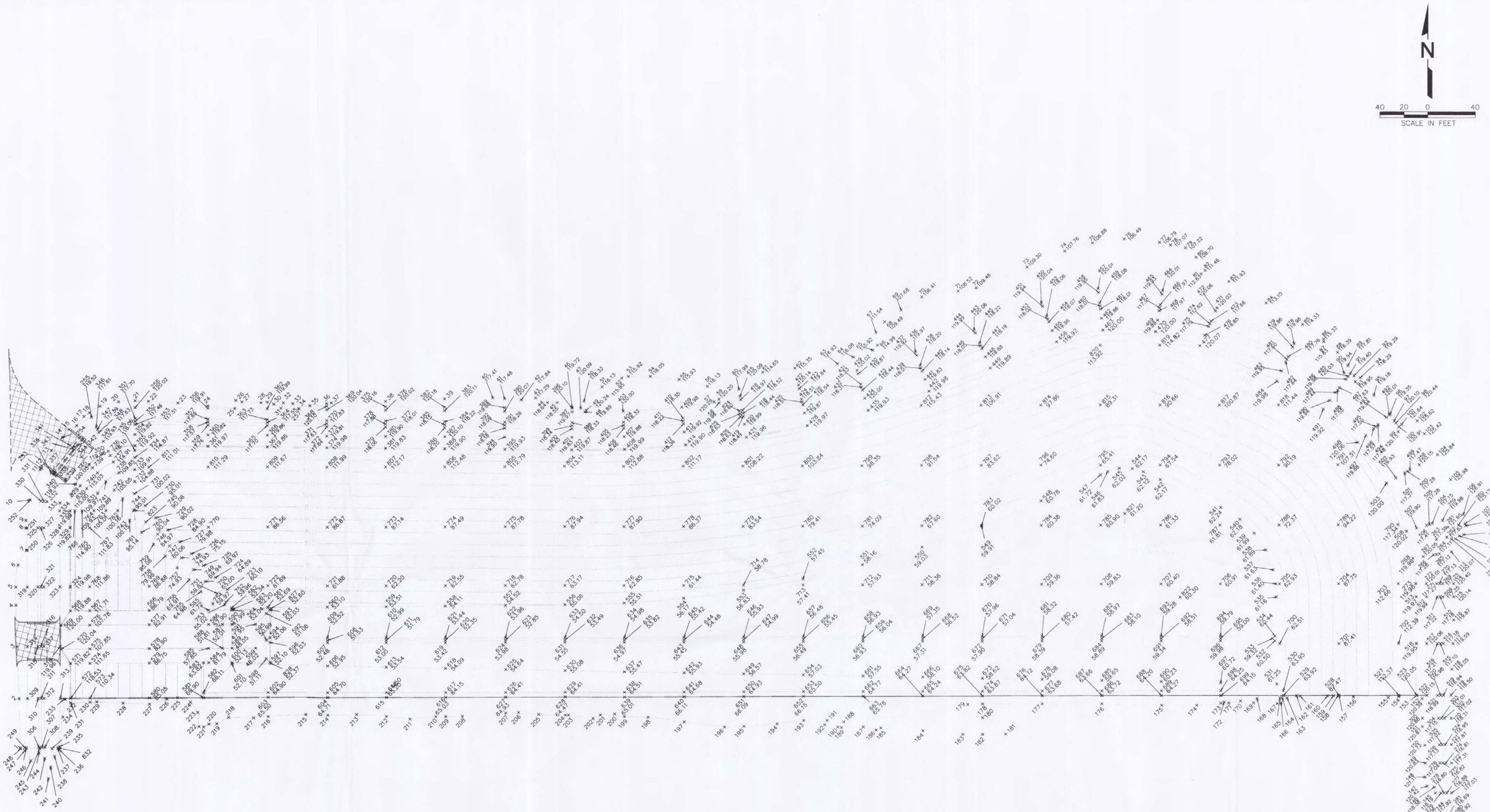
PROJECT TITLE: **CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT**

PREPARED FOR: **COMANCO ENVIRONMENTAL CORPORATION PLANT CITY, FLORIDA**

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

PROJ. NO.	DWN. BY:	Q/A RVW BY:
09207049.06	JB	
DSN. BY:	CHK. BY: CN	APP. BY:

CADD FILE: ASB_074906GRADING
DATE: APRIL 2010
SCALE: AS SHOWN
DRAWING NO. **4**



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.

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 61G17-6, Florida Administrative Code.

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

Last Survey Date: 12/21/10

LEGEND

×127 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)

NOTES:

1. PERIMETER CONTROL POINTS NUMBERS 1 THROUGH 248 ARE APPROXIMATE LOCATIONS WHERE THE NEW CONSTRUCTION GRADING TIES TO EXISTING GRADE. CONTRACTOR TO MAINTAIN SET DESIGN SLOPES AS SHOWN ON PLANS, THEREFORE ACTUAL HORIZONTAL AND VERTICAL TIE-IN LOCATIONS OF NEW GRADING TO EXISTING GRADE MAY VARY BASED ON EXISTING GRADE CONDITIONS AT THE TIME OF CONSTRUCTION.
2. CONTROL POINTS SHOWN ON OR INSIDE THE LIMIT OF PHASE 3 DISPOSAL CELL BOUNDARY REPRESENT THE TOP OF SUBGRADE LAYER ON WHICH THE LINER SYSTEM IS PLACED (SEE DETAIL B, DRAWING NO. 12).
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.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

REV	DATE	DESCRIPTION	BY
△			
△			
△			
△			
△			
1	12/21/10	AS-BUILT INFORMATION	JB

DRAWING TITLE
SITE GRADING CONTROL POINTS AS-BUILT PLAN

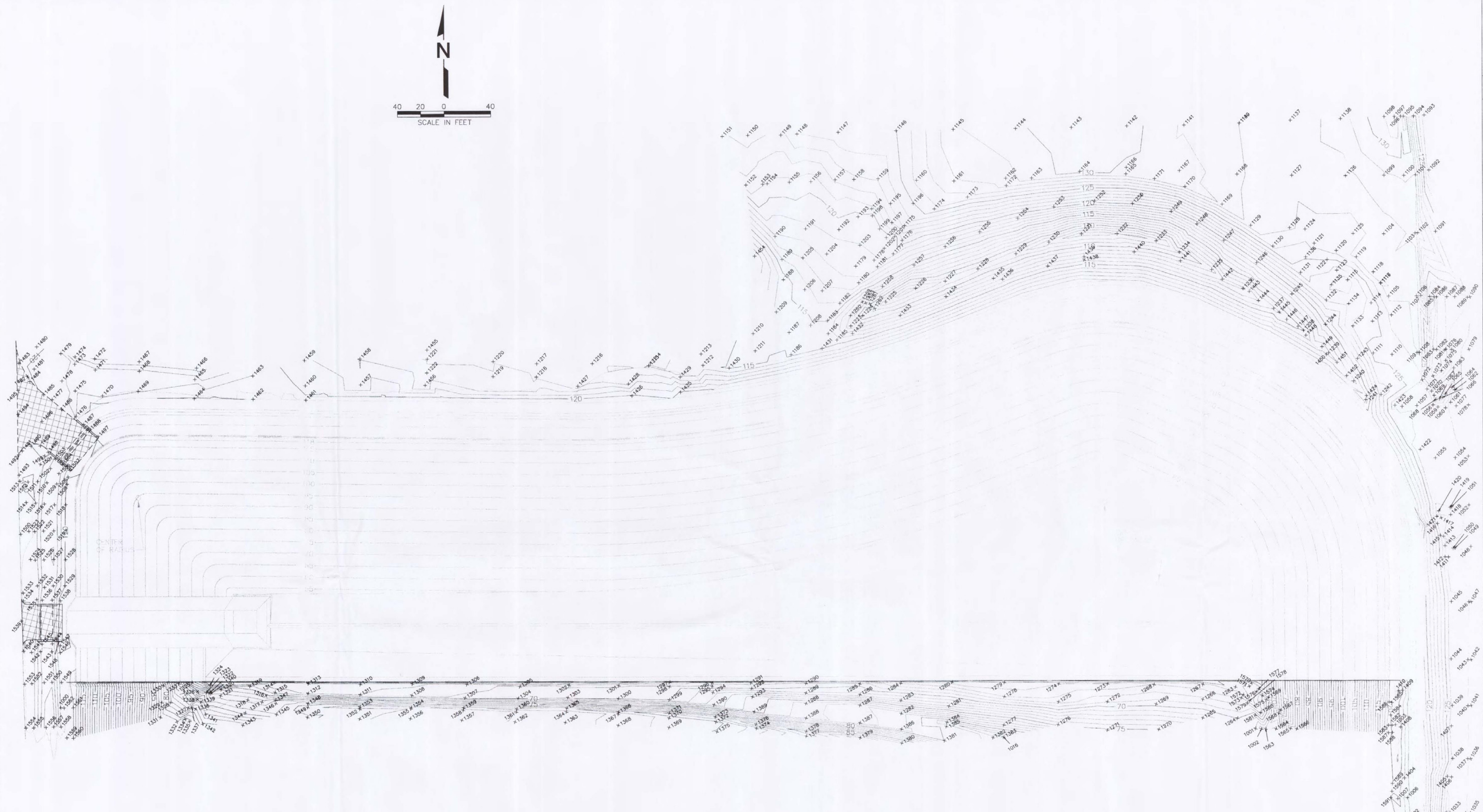
PROJECT TITLE
CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT

PREPARED FOR
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 RVW BY:
DSN. BY:	CHK. BY: CN	APP. BY:

CADD FILE: ASB_074906GRAD-CNTRL
DATE: APRIL 2010
SCALE: AS SHOWN
DRAWING NO. **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.

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 61G17-6, Florida Administrative Code.

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

Last Survey Date; 12/21/10

LEGEND

×127 HORIZONTAL AND VERTICAL CONTROL POINT AND IDENTIFICATION NUMBER (SEE DRAWING NO. 6 FOR COORDINATE LOCATIONS AND ELEVATIONS)

VERTICAL GRADE BREAK/TRANSITION LINE

110 TOP OF SUBGRADE LAYER CONTOUR

LIMIT OF PHASE 3 DISPOSAL CELL (SEE NOTE 2)

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

REV	DATE	DESCRIPTION	BY
1	12/21/10	AS-BUILT INFORMATION	JB

DRAWING TITLE
OFF-SITE GRADING CONTROL POINTS AS-BUILT PLAN

PROJECT TITLE
CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT

PREPARED FOR
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 RVW BY:
DSN. BY:	CHK. BY: CN	APP. BY:

CADD FILE: ASB_0749060SGRAD-CNTRL
DATE: APRIL 2010
SCALE: AS SHOWN
DRAWING NO.
5.1

SITE AS-BUILT GRADING TABLE

POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)
1	1642715.33	515790.65	120.20	
2	1642786.67	515790.12	120.04	
3	1642800.00	515788.70	120.15	
4	1642834.80	515787.72	120.00	
5	1642850.00	515787.68	120.18	
6	1642866.57	515788.58	120.18	
7	1642883.15	515796.72	120.26	
8	1642900.00	515796.16	120.39	
9	1642906.39	515786.22	120.42	
10	1642923.30	515799.82	120.06	
11	1642948.39	515808.27	120.28	
12	1642951.42	515809.78	119.73	
13	1642964.12	515817.92	119.91	
14	1642975.31	515827.13	119.82	
15	1642981.64	515833.67	119.57	
16	1642984.83	515839.48	120.01	
17	1642992.47	515845.58	121.13	
18	1642998.65	515850.10	121.41	
19	1643001.03	515859.10	121.98	
20	1643004.72	515874.69	122.00	
21	1643003.47	515888.63	121.94	
22	1643003.03	515900.00	121.84	
23	1643003.35	515924.75	121.38	
24	1643000.93	515950.00	120.67	
25	1642998.65	515972.75	120.00	
26	1643006.51	515973.51	120.34	
27	1643004.13	515978.74	120.28	
28	1643003.39	515984.73	120.25	
29	1643003.81	516000.00	120.27	
30	1643002.19	516005.72	120.00	
31	1642998.72	516011.68	120.03	
32	1643003.23	516013.73	120.28	
33	1643002.53	516021.72	120.22	
34	1642998.21	516026.87	120.00	
35	1643000.91	516035.94	120.00	
36	1643002.84	516050.00	119.30	
37	1643004.48	516059.57	119.07	
38	1643004.57	516099.99	118.53	
39	1643006.56	516150.00	117.69	
40	1643007.20	516190.03	~~117.30~~	117.41 (T)
41	1643005.47	516200.00	~~117.50~~	117.48 (T)
42	1643005.49	516214.01	~~117.77~~	117.84 (T)
43	1643007.11	516226.03	~~117.18~~	117.29 (T)
44	1643003.17	516235.98	~~118.16~~	118.64 (T)
45	1643003.06	516243.98	~~118.46~~	118.55 (T)
46	1642999.27	516256.55	~~119.68~~	119.72 (T)
47	1642998.24	516263.78	~~120.00~~	120.09 (T)
48	1642995.24	516267.47	~~120.00~~	119.89 (T)
49	1642996.52	516268.50	~~120.43~~	120.24 (T)
50	1643004.23	516266.64	~~123.00~~	118.33 (T)
51	1643016.31	516282.11	~~126.98~~	116.13 (T)
52	1643023.60	516298.61	~~129.25~~	115.95 (T)
53	1643024.86	516304.19	~~129.59~~	115.92 (T)
54	1643024.82	516322.60	~~129.24~~	116.05 (T)
55	1643022.09	516346.70	~~127.68~~	115.93 (T)
56	1643016.52	516370.41	~~124.98~~	116.13 (T)
57	1643003.51	516376.04	~~120.44~~	120.29 (T)
58	1643002.71	516380.18	~~120.00~~	119.96 (T)
59	1643005.72	516380.03	~~120.00~~	120.20 (T)
60	1643004.86	516396.91	~~118.07~~	117.99 (T)
61	1643010.59	516416.81	~~114.53~~	114.65 (T)
62	1643028.07	516416.81	~~114.53~~	114.65 (T)
63	1643031.28	516443.98	~~115.24~~	115.35 (T)
64	1643034.77	516479.86	~~116.85~~	116.93 (T)
65	1643040.31	516493.17	~~116.21~~	116.13 (T)
66	1643046.08	516509.50	~~115.87~~	115.92 (T)
67	1643050.23	516513.39	~~114.92~~	114.99 (T)
68	1643060.79	516512.20	~~111.44~~	111.54 (T)
69	1643069.78	516519.51	~~109.31~~	109.49 (T)
70	1643079.47	516533.37	~~107.69~~	107.68 (T)
71	1643090.35	516550.90	~~106.23~~	106.41 (T)
72	1643095.18	516581.21	~~108.37~~	108.52 (T)
73	1643097.87	516596.38	~~109.39~~	109.46 (T)
74	1643115.34	516638.96	~~109.16~~	109.30 (T)
75	1643128.94	516670.62	~~107.92~~	107.76 (T)
76	1643135.83	516693.87	~~106.95~~	106.88 (T)
77	1643139.16	516720.29	~~106.34~~	106.49 (T)
78	1643136.30	516750.00	~~106.63~~	106.79 (T)
79	1643134.04	516759.31	~~106.30~~	107.07 (T)
80	1643131.70	516771.84	~~106.82~~	107.22 (T)
81	1643123.79	516780.90	~~108.62~~	108.70 (T)
82	1643109.51	516784.95	~~112.74~~	112.63 (T)
83	1643112.63	516788.35	~~111.44~~	111.46 (T)
84	1643103.32	516808.50	~~111.85~~	111.93 (T)
85	1643085.19	516839.80	~~113.00~~	113.10 (T)
86	1643067.21	516870.52	~~114.20~~	114.33 (T)
87	1643055.01	516888.26	~~115.13~~	115.35 (T)
88	1643052.99	516888.33	~~115.71~~	115.83 (T)
89	1643043.92	516900.00	~~116.26~~	116.39 (T)
90	1643032.76	516908.74	~~117.65~~	117.81 (T)
91	1643026.64	516905.47	~~120.00~~	119.94 (T)
92	1643025.96	516910.63	~~120.92~~	119.40 (T)
93	1643024.32	516913.87	~~121.16~~	119.29 (T)
94	1643019.35	516915.02	~~119.89~~	119.35 (T)
95	1643022.75	516919.16	~~118.14~~	118.29 (T)
96	1643008.05	516930.55	~~119.24~~	119.19 (T)
97	1642992.12	516943.87	~~119.65~~	119.35 (T)
98	1642986.45	516947.24	~~120.00~~	120.10 (T)
99	1642984.71	516948.64	~~120.00~~	120.44 (T)
100	1642977.38	516950.52	~~120.00~~	120.13 (T)
100	1642981.64	516951.10	~~121.00~~	120.91 (T)

SITE AS-BUILT GRADING TABLE

POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)
101	1642983.49	516953.50	~~122.00~~	121.64 (T)
102	1642986.53	516966.55	~~126.11~~	125.62 (T)
103	1642975.75	516972.66	~~125.72~~	125.42 (T)
104	1642958.38	516983.65	~~125.86~~	125.84 (T)
105	1642937.38	516994.58	~~126.06~~	125.98 (T)
106	1642908.47	517005.18	~~126.13~~	126.91 (T)
107	1642900.75	517006.47	~~125.87~~	127.29 (T)
108	1642899.05	517007.32	~~126.00~~	127.16 (T)
109	1642891.38	517005.29	~~126.00~~	126.17 (T)
110	1642890.42	517001.52	~~124.00~~	124.22 (T)
111	1642888.00	516998.51	~~122.00~~	121.95 (T)
112	1642887.81	516995.10	~~120.00~~	119.24 (T)
113	1642876.94	516994.97	~~118.79~~	120.07 (T)
114	1642850.00	516996.62	~~118.98~~	120.40 (T)
115	1642838.95	516996.68	~~119.01~~	120.14 (T)
116	1642819.59	516996.47	~~118.95~~	119.87 (T)
117	1642800.00	516995.81	~~118.73~~	119.59 (T)
118	1642778.52	516994.82	~~118.43~~	119.05 (T)
119	1642756.64	516994.03	~~118.28~~	118.50 (T)
120	1642737.50	516994.01	~~118.18~~	118.40 (T)
121	1642715.53	516994.05	~~117.81~~	117.87 (T)
122	1642700.00	516994.08	~~117.54~~	117.31 (T)
123	1642675.00	516993.92	~~117.59~~	117.03 (T)
124	1642650.00	516993.91	~~117.40~~	117.00 (T)
125	1642625.00	516995.10	~~117.18~~	116.53 (T)
126	1642600.00	516996.10	~~117.20~~	116.70 (T)
127	1642589.00	516996.48	~~117.43~~	116.89 (T)
128	1642575.00	516996.66	~~117.46~~	117.10 (T)
129	1642550.00	516996.87	~~117.46~~	117.31 (T)
130	1642525.00	516996.94	~~117.39~~	117.37 (T)
131	1642504.56	516997.01	~~117.35~~	117.42 (T)
132	1642488.96	516995.36	116.63	
133	1642492.91	516990.24	~~116.64~~	116.48 (T)
134	1642508.96	516986.61	~~116.87~~	116.86 (T)
135	1642525.00	516986.11	~~117.05~~	117.03 (T)
136	1642550.00	516986.12	~~117.20~~	117.00 (T)
137	1642575.00	516986.11	~~117.35~~	116.96 (T)
138	1642600.00	516985.56	~~117.15~~	117.05 (T)
139	1642625.00	516985.12	~~117.18~~	117.13 (T)
140	1642650.00	516984.89	~~117.25~~	117.07 (T)
141	1642636.93	516983.47	~~117.71~~	117.55 (T)
142	1642642.95	516984.11	~~117.45~~	117.45 (T)
143	1642650.00	516983.64	~~117.55~~	117.45 (T)
144	1642657.90	516982.01	~~118.02~~	117.92 (T)
145	1642675.00	516980.33	~~118.45~~	118.19 (T)
146	1642679.84	516979.56	~~118.67~~	118.38 (T)
147	1642680.66	516973.46	~~120.70~~	120.42 (T)
148	1642688.31	516971.74	~~121.24~~	121.11 (T)
149	1642700.00	516972.12	~~120.99~~	120.83 (T)
150	1642714.89	516971.80	~~120.97~~	120.73 (T)
151	1642730.58	516969.70	~~121.54~~	120.87 (T)
152	1642753.79	516969.52	~~121.41~~	120.39 (T)
153	1642756.41	516969.10	119.90	
154	1642755.45	516950.00	113.04	
155	1642754.81	516947.17	108.94	
156	1642758.26	516912.17	94.21	
157	1642756.51	516900.00	87.50	
158	1642756.60	516899.17	87.04	
159	1642756.21	516888.17	84.83	
160	1642756.06	516880.17	82.26	
161	1642756.09	516866.17	70.77	
162	1642756.57	516864.17	69.58	
163	1642754.09	516856.10	65.52	
164	1642754.40	516852.01	68.00	
165	1642754.35	516850.07	65.02	
166	1642750.58	516851.00	67.00	
167	1642745.90	516847.67	65.76	
168	1642754.09	516830.67	65.26	
169	1642750.89	516837.67	67.07	
170	1642745.91	516816.67	67.41	
171	1642750.26	516808.67	67.18	
172	1642751.13	516802.67	66.75	
173	1642750.21	516800.00	67.21	
174	1642748.78	516784.67	66.83	
175	1642748.51	516750.00	65.05	
176	1642749.61	516700.00	67.40	
177	1642749.88	516650.00	67.34	
178	1642749.94	516600.00	67.34	
179	1642749.56	516587.67	67.53	
180	1642738.49	516500.00	73.06	
181	1642740.42	516619.13	80.00	
182	1642724.51	516600.00	80.06	
183	1642724.62	516583.43	80.00	
184	1642727.67	516550.00	78.47	
185	1642730.15	516481.67	77.23	
186	1642728.46	516450.67	78.08	
187	1642730.94	516500.00	76.84	
188	1642735.27	516483.67	74.87	
189	1642730.53	516483.67	77.74	
190	1642731.00	516478.67	76.81	
191	1642736.17	516469.67	74.03	
192	1642732.84	516467.67	75.89	
193	1642738.58	516450.00	74.02	
194	1642733.76	516427.67	75.43	
195	1642731.68	516400.00	76.37	
196	1642731.34	516383.67	76.84	
197	1642735.59	516380.00	74.51	
198	1642739.61	516319.67	72.50	
199	1642740.22	516300.00	72.79	
200	1642742.48	516291.67	71.07	

SITE AS-BUILT GRADING TABLE

POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)
201	1642741.67	516279.67	71.47	
202	1642738.76	516273.67	72.93	
203	1642741.45	516252.67	71.58	
204	1642741.41	516250.00	71.81	
205	1642742.14	516227.67	71.24	
206	1642743.49	516210.67	71.44	
207	1642743.39	516200.00	70.82	
208	1642740.71	516163.67	71.95	
209	1642740.56	516150.00	72.03	
210	1642740.52	516141.67	72.05	
211	1642738.37	516119.67	73.12	
212	1642740.73	516100.00	71.95	
213	1642742.37	516074.67	71.12	
214	1642743.67	516050.00	71.37	
215	1642742.26	516031.67	71.26	
216	1642740.48	516000.00	72.07	
217	1642739.21	515987.67	72.57	
218	1642739.91	515966.47	72.36	
219	1642734.28	515956.67	74.91	
220	1642734.54	515950.00	75.04	
221	1642732.03	515945.67	76.29	
222	1642732.41	515941.87	78.10	
223	1642744.17	515940.67	72.72	
224	1642782.63	515934.67	75.00	
225	1642758.61	515923.67	75.60	
226	1642755.89	515914.87	78.99	
227	1642751.40	515900.00	84.23	
228	1642752.12	515837.67	85.85	
229	1642756.35	515855.67	107.42	
230	1642753.26	515850.00	110.17	
231	1642752.91	515833.67	118.18	
232	1642786.01	515828.17	119.70	
233	1642705.57	515826.26	118.68	
234	1642740.89	515827.08	119.65	
235	1642716.00	515824.08	119.72	
236	1642735.42	515824.00	119.70	
237	1642755.00	515821.47	119.64	
238	1642707.90	515819.91	119.85	
239	1642714.40	515817.70	119.08	
240	1642698.93	515818.51	118.18	
241	1642698.43	515819.89	114.73	
242	1642706.24	515811.59	115.07	
243	1642714.67	515807.25	115.80	
244	1642723.94	515802.79	116.44	
245	1642738.63	515799.86	119.43	
246	1642715.13	515796.25	119.48	
247	1642712.79	515797.77	119.74	
248	1642745.50	515790.50	120.08	
249	1642715.36	515794.75	120.00	
250	1642681.15	515797.31	120.00	
251	1642900.00	515797.31	120.00	
252	1642923.28	515880.50	120.00	
253	1642949.22	515880.15	120.00	
254	1642974.94	515827.50	119.99	
255	1642991.85	515831.96	~~120.02~~	119.52 (T)
256	1642999.65	515888.60	~~120.00~~	120.02
257	1642998.02	516026.67	120.00	
258	1642949.92	516968.24	~~120.00~~	120.15
259	1642923.00	516968.24	~~120.00~~	119.98
260	1642899.64	517000.98	~~124.00~~	125.17 (T)
261	1642887.85	516992.15	~~121.00~~	121.65 (T)
262	1642889.38	516991.11	~~120.00~~	117.83 (T)
263	1642887.39	516984.34	~~117.24~~	117.39
264	1642875.19	516984.71	~~117.22~~	117.11
265	1642874.78	516982.25	~~117.22~~	117.12
266	1642874.36	516979.78	~~117.22~~	117.28
267	1642850.00	516971.15	~~120.00~~	120.00
268	1642871.42	516962.43	~~120.00~~	119.96
269	1642850.00	516987.42	~~120.00~~	119.69
270	1642850.00	516984.91	~~117.37~~	117.13
271	1642850.00	516982.41	~~117.17~~	117.27
272	1642850.00	516973.59	~~120.00~~	120.01
273	1642850.00	516964.79	~~120.00~~	119.98
274	1642725.00	516986.82	~~116.92~~	116.81
275	1642700.00	516986.82	~~116.92~~	116.88
276	1642700.00	516984.31	~~116.92~~	117.04
277	1642675.00	516990.03	~~116.89~~	116.88
278	1642675.00	516987.53	~~116.89~~	116.80
279	1642675.00	516985.03	~~116.89~~	116.76
280	1642650.00	516990.74	~~116.85~~	116.92
281	1642650.00	516988.24	~~116.85~~	116.69
282	1642650.00	516985.74	~~116.85~~	116.78
283	1642625.00	516991.46	~~116.82~~	116.63
284	1642625.00	516988.96	~~116.82~~	116.64
285	1642625.00	516986.45	~~116.82~~	116.77
286	1642600.00	516992.17	~~116.78~~	116.63
287	1642600.00	516989.67	~~116.78~~	116.60
288	1642600.00	516987.17	~~116.78~~	116.60
289	1642575.00	516992.88	~~116.75~~	116.77
290	1642575.00	516990.38	~~116.75~~	116.64
291	1642575.00	516987.88	~~116.75~~	116.62
292	1642550.00	516993.60	~~116.71~~	116.72
293	1642550.00	516991.09	~~116.71~~	116.66
294	1642550.00	516988.59	~~116.71~~	116.57
295	1642525.00	516994.31	~~116.68~~	116.71
296	1642525.00	516991.81	~~116.68~~	116.79
297	1642525.00	516989.31	~~116.68~~	116.70
298	1642509.05	516989.77	~~116.66~~	116.70
299	1642493.00	516994.91	~~116.64~~	116.80
300	1642493.06	516995.24	~~116.64~~	116.67

SITE AS-BUILT GRADING TABLE

POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)
301	1642492.99	516992.74	~~116.64~~	116.57
302	1642737.50	516988.25	~~116.97~~	117.02
303	1642737.50	516985.75	~~116.97~~	117.01
304	1642737.50	516983.24	~~116.97~~	117.15
305	1642737.50	516969.79	~~121.46~~	120.88 (T)
306	1642715.49	515806.74	116.00	
307	1642715.52	515809.24	116.00	
308	1642715.54	515811.74	116.00	
309	1642756.57	515797.31	120.00	
310	1642756.72	515806.31	117.00	
311	1642756.73	515808.81	117.00	
312	1642758.75	515811.31	117.00	
313	1642758.62	515825.07	120.00	
314	1642800.00	515797.31	120.00	
315	1642800.00	515806.31	117.08	
316	1642800.00	515808.81	117.08	
317	1642800.00	515811.31	117.08	
318	1642800.00	515824.98	~~120.00~~	119.96
319	1642850.00	515797.31	120.00	
320	1642850.00	515806.31	117.18	
321	1642850.00	515808.81	117.18	
322	1642850.00	515811.31	117.18	
323	1642850.00	515824.87	120.00	
324	1642850.00	515833.67	~~120.00~~	119.98
325	1642900.00	515806.31	117.27	
326	1642900.00	515808.81	117.27	
327	1642900.00	515811.31	117.27	
328	1642900.00	515824.75	120.00	
329	1642900.00	515833.67	~~120.00~~	119.82
330	1642922.33	515809.03	117.31	
331	1642922.06	515811.53	117.32	
332	1642921.80	515814.04	117.32	
333	1642920.41	515825.26	120.00	
334	1642914.08	515824.72	120.00	
335	1642914.05	515833.67	~~120.00~~	119.99
336	1642948.43	515827.79	119.90	
337	1642948.08	515830.51	117.36	
338	1642943.32	515822.37	117.36	
339	1642929.96	515816.14	120.00	
340	1642936.09	515838.37	~~120.00~~	119.92
341	1642958.95	515833.85	117.41	
342	1642966.78	515835.59	117.41	
343	1642964.98	515837.34	117.41	
344	1642961.16	515846.97	120.00	
345	1642952.46	515849.71	~~120.00~~	120.05
346	1642983.75	515855.91	~~117.46~~	117.61
347	1642981.51	515857.01	~~117.46~~	117.59
348	1642979.27	515858.11	~~117.46~~	117.63
349	1642971.67	515861.81	~~120.00~~	119.93
350	1642963.44	515865.83	~~120.00~~	119.91
351	1642990.65	515888.58	~~117.53~~	117.70
352	1642988.15	515888.53	~~117.53~~	117.46
353	1642985.65	515888.52	~~117.53~~	117.51
354	1642977.29	515888.42	~~120.00~~	119.82
355	1642968.05	515888.18	~~120.00~~	119.92
356	1642998.92	515950.00	~~120.00~~	119.91
357	1642989.92	515950.00	~~117.64~~	117.69
358	1642987.42	515950.00	~~117.64~~	117.57
359	1642984.92	515950.00	~~117.64~~	117.42
360	1642976.73	515950.00	~~120.00~~	119.82
361	1642967.32	515950.00	~~120.00~~	119.97
362	1642998.33	516000.00	~~120.00~~	119.99
363	1642989.33	516000.00	~~117.74~~	117.73
364	1642986.83	516000.00	~~117.74~~	117.55
365	1642984.33	516000.00	~~117.74~~	117.70
366	1642976.28	516000.00	~~120.00~~	119.86
367	1642967.01	516000.00	~~120.00~~	119.80
368	1643000.74	516050.00	~~120.00~~	120.10
369	1642997.74	516050.00	~~120.00~~	120.04
370	1642988.74	516050.00	~~117.83~~	117.83
371	1642986.24	516050.00	~~117.83~~	117.63
372	1642983.74	516050.00	~~117.83~~	117.84
373	1642975.84	516050.00	~~120.00~~	119.81
374	1642962.08	516050.00	~~120.00~~	119.91
375	1643000.15	516100.00	~~120.00~~	120.16
376	1642997.15	516100.00	~~120.00~~	120.02
377	1642988.15	516100.00	~~117.93~~	118.01
378	1642985.65	516100.00	~~117.93~~	117.88
379	1642983.15	516100.00	~~117.93~~	118.06
380	1642975.40	516100.00	~~120.00~~	119.93
381	1642965.15	516100.00	~~120.00~~	119.83
382	1642999.56	516150.00	~~120.00~~	120.18
383	1642996.56	516150.00	~~120.00~~	120.11
384	1642987.56	516150.00	~~118.03~~	118.22
385	1642985.06	516150.00	~~118.03~~	118.15
386	1642982.56	516150.00	~~118.03~~	118.15
387	1642974.98	516150.00	~~120.00~~	120.10
388	1642964.95	516150.00	~~120.00~~	119.90
389	1642998.97	516200.00	~~120.00~~	119.98
390	1642995.96	516200.00	~~120.00~~	120.07
391	1642986.96	516200.00	~~118.12~~	118.26
392	1642984.46	516200.00	~~118.12~~	118.09
393	1642981.96	516200.00	~~118.12~~	118.18
394	1642974.56	516200.00	~~120.00~~	119.93
395	1642964.36	516200.00	~~120.00~~	119.93
396	1642998.30	516256.53	~~120.00~~	119.91
397	1642995.30	516256.44	~~120.00~~	119.92
398	1642986.30	516256.18	~~118.23~~	118.33
399	1642983.80	516256.26	~~118.23~~	118.33
400	1642981.30	516256.33	~~118.23~~	118.40

SITE AS-BUILT GRADING TABLE

POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)
401	1642974.10	516256.24	~~120.00~~	119.83
402	1642963.70	516256.12	~~120.00~~	119.87
403	1642995.86	516299.67	~~120.00~~	120.02
404	1642986.87	516300.00	~~118.31~~	118.32
405	1642984.37	516300.11	~~118.31~~	118.23
406	1642981.87	516300.20	~~118.31~~	118.46
407	1642974.86	516300.47	~~120.00~~	119.88
408	1642964.29	516300.87	~~119.97~~	119.90
409	1642999.15	516348.89	~~119.97~~	119.98
410	1642990.19	516349.75	~~118.41~~	118.35
411	1642987.70	516349.99	~~118.41~~	118.22
412	1642985.21	516350.23	~~118.41~~	118.36
413	1642978.43	516350.87	~~120.00~~	119.92
414	1642967.69	516351.90	~~119.96~~	119.90
415	1643008.27	516397.79	~~120.00~~	120.09
416	1643005.30	516398.25	~~119.96~~	119.97
417	1642996.41	516399.62	~~118.50~~	118.52
418	1642993.94	516400.00	~~118.50~~	118.49
419	1642991.46	516400.38	~~118.50~~	118.49
420	1642984.92	516401.39	~~120.00~~	119.99
421	1642974.07	516403.06	~~119.88~~	119.96
422	1643017.30	516446.97	~~120.00~~	120.14
423	1643014.37	516447.59	~~119.96~~	119.84
424	1643005.57	516449.48	~~118.40~~	118.51
425	1643003.13	516450.00	~~118.40~~	118.61
426	1643000.68	516450.52	~~118.40~~	118.54
427	1642994.00	516451.95	~~120.00~~	119.87
428	1642983.47	516454.21	~~119.90~~	119.90
429	1643029.36	516496.19	~~120.00~~	120.02
430	1643026.47	516496.99	~~119.96~~	119.87
431	1643017.80	516499.39	~~118.31~~	118.33
432	1643015.39	516500.06	~~118.31~~	118.31
433	1643012.98	516500.72	~~118.31~~	118.44
434	1643006.20	516502.60	~~120.00~~	120.00
435	1642996.01	516505.41	~~119.98~~	119.93
436	1643045.13	516545.13	~~120.00~~	119.97
437	1643041.65	516546.28	~~119.96~~	119.97
438	1643033.18	516549.19	~~118.21~~	118.28
439	1643030.81	516550.00	~~118.21~~	118.18
440	1643028.44	516550.81	~~118.21~~	118.14
441	1643021.69	516553.13	~~120.00~~	119.83
442	1643011.79	516556.50	~~119.91~~	119.98
443	1643062.92	516594.48	~~120.00~~	120.06
444	1643060.14	516595.62	~~120.00~~	119.99
445	1643051.82	516599.05	~~118.11~~	118.22
446	1643049.50	516600.00	~~118.11~~	118.05
447	1643047.19	516600.95	~~118.11~~	118.19
448	1643040.30	516603.79	~~120.00~~	119.88
449	1643030.91	516607.65	~~120.00~~	119.89
450	1643085.09	516650.86	~~120.00~~	120.04
451	1643082.29	516651.96	~~120.00~~	119.94
452	1643073.92	516655.25	~~118.00~~	118.06
453	1643071.59	516656.17	~~118.00~~	118.02
454	1643069.27	516657.08	~~118.00~~	118.07
455	1643062.18	516659.87	~~120.00~~	119.96
456	1643052.89	516663.52	~~120.00~~	119.92
457	1643096.94	516698.34	~~119.92~~	120.01
458	1643093.96	516698.69	~~120.00~~	119.95
459	1643085.01	516699.76	~~117.92~~	118.08
460	1643082.51	516700.00	~~117.92~~	118.01
461	1643080.05	516700.35	~~117.92~~	118.01
462	1643072.33	516701.17	~~120.00~~	119.86
463	1643062.56	516702.30	~~120.00~~	120.00
464	1643095.33	516752.51	~~119.93~~	120.01
465	1643092.37	516751.99	~~120.00~~	119.93
466	1643083.51	516750.43	~~117.83~~	117.97
467	1643081.04	516750.00	~~117.83~~	117.91
468	1643078.58	516749.57	~~117.83~~	117.97
469	1643070.79	516748.20	~~120.00~~	119.88
470	1643061.25	516746.52	~~120.00~~	120.00
471	1643081.08	516798.33	~~120.00~~	120.03
472	1643078.35	516797.08	~~120.00~~	120.06
473	1643070.17	516793.34	~~117.74~~	117.66
474	1643067.90	516792.30	~~117.74~~	117.62
475	1643065.62	516791.26	~~117.74~~	117.75
476	1643058.31	516787.92	~~120.00~~	119.85
477	1643049.62	516783.94	~~120.00~~	120.07
478	1643051.38	516863.26	~~120.00~~	119.96
479	1643048.65	516862.01	~~120.00~~	119.86
480	1643040.47	516858.27	~~117.61~~	117.76
481	1643038.20	516857.23	~~117.61~~	117.60
482	1643035.92	516856.19	~~117.61~~	117.64
483	1643028.43	516852.77	~~120.00~~	119.95
484	1643019.92	516848.87	~~120.00~~	119.98
485	1643023.78	516908.94	~~119.97~~	120.03
486	1643021.41	516907.11	~~120.00~~	119.98
487	1643014.29	516901.61	~~117.52~~	117.63
488	1643012.31	516900.08	~~117.52~~	117.55
489	1643010.33	516898.55	~~117.52~~	117.44
490	1643003.71	516893.43	~~120.00~~	119.94
491	1642996.41	516887.79	~~120.00~~	119.92
492	1642991.43	516943.07	~~119.96~~	120.01
493	1642989.47	516940.79	~~120.00~~	119.94
494	1642983.60	516933.98	~~117.44~~	117.48
495	1642981.96	516932.08	~~117.44~~	117.50
496	1642980.33	516930.19	~~117.44~~	117.57
497	1642974.80	516923.77	~~120.00~~	119.88
498	1642968.84	516916.85	~~120.00~~	120.06
499	1642945.59	516960.35	~~117.35~~	117.47
500	1642944.39	516958.16	~~117.35~~	117.28

SITE AS-BUILT GRADING TABLE

POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)
501	1642943.18	516955.97	~~117.35~~	117.37
502	1642939.05	516948.44	~~120.00~~	119.93
503	1642934.71	516940.54	~~120.00~~	120.00
504	1642900.82	516978.88	~~117.27~~	117.15
505	1642900.13	516976.48	~~117.27~~	117.28
506	1642899.43	516974.08	~~117.27~~	117.41
507	1642897.00	516965.73	~~120.00~~	119.90
508	1642894.51	516957.18	~~120.00~~	120.02
509	1642838.95	516987.70	~~117.15~~	117.25
510	1642838.95	516985.20	~~117.15~~	117.18
511	1642838.94	516982.70	~~117.15~~	117.22
512	1642838.95	516973.86	~~120.00~~	119.99
513	1642838.95	516965.10	~~120.00~~	119.97
514	1642800.00	516987.70	~~117.08~~	117.18
515	1642800.00	516985.20	~~117.08~~	117.10
516	1642800.00	516982.70	~~117.08~~	117.21
517	1642800.00	516973.78	~~120.00~~	120.06
518	1642800.00	516965.10	~~120.00~~	119.95
519	1642756.65	516987.70	~~117.00~~	116.94
520	1642756.62	516985.20	~~117.00~~	116.98
521	1642756.58	516982.70	~~117.00~~	116.99
522	1642756.62	516973.70	~~120.00~~	120.15
523	1642756.62	516965.10	~~120.00~~	120.05
524	1642715.38	516988.88	~~116.94~~	116.95
525	1642715.31	516986.38	~~116.94~~	117.02
526	1642715.24	516983.88	~~116.94~~	117.13
527	1642756.62	516950.00	~~112.45~~	112.37
528	1642756.62	516900.00	~~87.45~~	87.47
529	1642756.62	516853.10	~~64.00~~	63.92
530	1642760.62	516853.10	~~64.00~~	63.95
531	1642766.26	516847.46	~~61.18~~	61.25
532	1642802.39	516845.98	~~60.44~~	60.50
533	1642804.39	516843.94	~~59.42~~	59.32
534	1642806.39	516845.98	~~60.44~~	60.44
535	1642838.94	516847.31	~~61.11~~	61.16
536	1642850.00	516846.99	~~61.44~~	61.40
537	1642861.87	516844.91	~~61.54~~	61.63
538	1642878.71	516838.53	~~61.81~~	61.89
539	1642893.14	516828.99	~~62.01~~	61.99
540	1642904.81	516817.00	~~62.12~~	62.18
541	1642914.71	516800.75	~~62.16~~	62.24
542	1642937.83	516750.00	~~62.11~~	62.17
543	1642944.31	516735.77	~~62.10~~	62.12
544	1642947.12	516726.48	~~62.06~~	62.17
545	1642947.23	516715.55	~~61.96~~	62.02
546	1642944.58	516706.12	~~61.81~~	61.83
547	1642941.93	516700.00	~~61.69~~	61.72
548	1642920.26	516650.00	~~60.76~~	60.78
549	1642899.53	516600.00	~~59.85~~	59.91
550	1642881.83	516550.00	~~58.99~~	59.03
551	1642867.07	516500.00	~~58.20~~	58.16
552	1642855.14	516450.00	~~57.46~~	57.45
553	1642845.91	516400.00	~~56.77~~	56.83
554	1642839.31	516350.00	~~56.14~~	56.17
555	1642835.30	516300.00	~~55.56~~	55.51
556	1642833.83	516250.00	~~55.03~~	55.06
557	1642833.40	516200.00	~~54.52~~	54.52
558	1642832.97	516150.00	~~54.01~~	54.11
559	1642832.55	516100.00	~~53.51~~	53.51
560	1642832.12	516050.00	~~53.00~~	53.10
561	1642831.70	516000.00	~~52.49~~	52.67
562	1642831.44	515969.31	~~52.18~~	52.34
563	1642830.11	515969.65	~~52.15~~	52.20
564	1642829.65	515969.67	~~52.00~~	52.04
565	1642829.65	515950.00	~~61.83~~	61.72
566	1642829.65	515900.00	~~86.83~~	86.79
567	1642829.65	515850.00	~~111.83~~	111.71
568	1642829.65	515833.67	~~120.00~~	119.88
569	1642817.65	515825.67	~~120.00~~	120.00
570	1642797.65	515825.67	~~120.00~~	120.04
571	1642785.65	515833.67	~~120.00~~	119.82
572	1642756.62	515833.67	~~120.00~~	118.53 (T)
573	1642756.62	515850.00	~~111.83~~	110.34 (T)
574	1642785.65	515850.00	~~111.83~~	111.65
575	1642797.65	515850.00	~~107.83~~	107.85
576	1642817.65	515850.00	~~107.83~~	107.78
577	1642817.65	515900.00	~~82.83~~	82.91
578	1642797.65	515900.00	~~82.83~~	82.90
579	1642785.65	515900.00	~~86.83~~	86.75
580	1642756.62	515900.00	~~86.83~~	85.05 (T)
581	1642756.62	515945.67	~~64.00~~	69.90 (T)
582	1642760.62	515945.67	~~64.00~~	66.11 (T)
583	1642785.65	515945.67	~~64.00~~	63.82
584	1642785.65	515950.00	~~61.83~~	61.79
585	1642797.65	515950.00	~~57.83~~	57.85
586	1642817.65	515950.00	~~57.83~~	57.90
587	1642817.65	515961.67	~~52.00~~	52.01
588	1642797.65	515961.67	~~52.00~~	51.81
589	1642797.65	515969.67	~~48.00~~	48.10
590	1642817.65	515969.67	~~48.00~~	47.99
591	1642817.65	515989.67	~~48.00~~	47.95
592	1642826.57	515998.59	~~50.97~~	51.06
593	1642829.65	516001.67	~~52.00~~	52.03
594	1642806.39	516001.67	~~52.00~~	52.06
595	1642804.39	515998.59	~~50.97~~	50.99
596	1642802.39	516001.67	~~52.00~~	52.03
597	1642785.65	516001.67	~~52.00~~	52.10
598	1642788.73	515998.59	~~50.97~~	51.11
599	1642797.65	515989.67	~~48.00~~	48.02
600	1642785.65	515969.67	~~52.00~~	52.13

SITE AS-BUILT GRADING TABLE

POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)
601	1642784.62	515969.60	~~52.03~~	52.10
602	1642760.62	516000.00	~~64.00~~	64.90 (T)
603	1642756.62	516000.00	~~64.00~~	65.50 (T)
604	1642756.62	516050.00	~~64.00~~	64.71 (T)
605	1642760.62	516050.00	~~64.00~~	64.70 (T)
606	1642782.87	516050.00	~~52.87~~	52.95
607	1642802.39	516050.00	~~52.48~~	52.48
608	1642804.39	516050.00	~~51.48~~	51.53
609	1642806.39	516050.00	~~52.48~~	52.52
610	1642806.39	516100.00	~~52.98~~	52.99
611	1642804.39	516100.00	~~51.98~~	51.79
612	1642802.39	516100.00	~~52.98~~	53.00
613	1642781.83	516100.00	~~53.39~~	53.54
614	1642760.62	516100.00	~~64.00~~	64.50 (T)
615	1642756.62	516100.00	~~64.00~~	65.20 (T)
616	1642756.62	516150.00	~~64.00~~	65.03 (T)
617	1642760.62	516150.00	~~64.00~~	64.15 (T)
618	1642780.79	516150.00	~~53.92~~	54.09
619	1642802.39	516150.00	~~53.48~~	53.42
620	1642804.39	516150.00	~~52.48~~	52.35
621	1642806.39	516150.00	~~53.48~~	53.44
622	1642806.39	516200.00	~~53.98~~	53.96
623	1642804.39	516200.00	~~52.98~~	52.85
624	1642802.39	516200.00	~~53.98~~	53.98
625	1642779.74	516200.00	~~54.44~~	54.61
626	1642760.62	516200.00	~~64.00~~	64.41 (T)
627	1642756.62	516200.00	~~64.00~~	64.93 (T)
628	1642756.62	516250.00	~~64.00~~	64.47 (T)
629	1642760.62	516250.00	~~64.00~~	64.41 (T)
630	1642778.70	516250.00	~~54.96~~	55.08
631	1642802.39	516250.00	~~54.48~~	54.55
632	1642804.39	516250.00	~~53.48~~	53.49
633	1642806.39	516250.00	~~54.48~~	54.50
634	1642806.39	516300.00	~~54.98~~	54.98
635	1642804.39	516300.00	~~53.98~~	53.82
636	1642802.39	516300.00	~~54.98~~	54.97
637	1642777.66	516300.00	~~55.48~~	55.47
638	1642760.62	516300.00	~~64.00~~	64.51 (T)
639	1642756.62	516300.00	~~64.00~~	65.01 (T)
640	1642756.62	516350.00	~~64.00~~	66.11 (T)
641	1642760.62	516350.00	~~64.00~~	64.68 (T)
642	1642776.62	516350.00	~~56.00~~	55.93
643	1642802.39	516350.00	~~55.48~~	55.45
644	1642804.39	516350.00	~~54.48~~	54.48
645	1642806.39	516350.00	~~55.48~~	55.42
646	1642806.39	516400.00	~~55.98~~	55.93
647	1642804.39	516400.00	~~54.98~~	54.99
648	1642802.39	516400.00	~~55.98~~	55.98
649	1642775.58	516400.00	~~56.52~~	56.57
650	1642760.62	516400.00	~~64.00~~	64.93 (T)
651	1642756.62	516400.00	~~64.00~~	66.09 (T)
652	1642756.62	516450.00	~~64.00~~	66.15 (T)
653	1642760.62	516450.00	~~64.00~~	65.60 (T)
654	1642774.54	516450.00	~~57.04~~	57.03
655	1642802.39	516450.00	~~56.48~~	56.49
656	1642804.39	516450.00	~~55.48~~	55.45
657	1642806.39	516450.00	~~56.48~~	56.48
658	1642806.39	516500.00	~~56.98~~	56.93
659	1642804.39	516500.00	~~55.98~~	56.04
660	1642802.39	516500.00	~~56.98~~	56.93
661	1642773.49	516500.00	~~57.56~~	57.55
662	1642760.62	516500.00	~~64.00~~	64.77 (T)
663	1642756.62	516500.00	~~64.00~~	65.78 (T)
664	1642756.62	516550.00	~~64.00~~	64.27 (T)
665	1642760.62	516550.00	~~64.00~~	64.24 (T)
666	1642772.45	516550.00	~~58.08~~	58.10
667	1642802.39	516550.00	57.48	57.31
668	1642804.39	516550.00	~~56.48~~	56.52
669	1642806.39	516550.00	~~57.48~~	57.35
670	1642806.39	516600.00	~~57.98~~	57.96
671	1642804.39	516600.00	~~56.98~~	57.04
672	1642802.39	516600.00	~~57.98~~	57.90
673	1642771.41	516600.00	~~58.60~~	58.62
674	1642760.62	516600.00	~~64.00~~	63.87 (T)
675	1642756.62	516600.00	~~64.00~~	63.82 (T)
676	1642756.62	516650.00	~~64.00~~	64.12 (T)
677	1642760.62	516650.00	~~64.00~~	63.68 (T)
678	1642770.37	516650.00	~~59.12~~	59.08
679	1642802.39	516650.00	~~58.48~~	58.39
680	1642804.39	516650.00	~~57.48~~	57.42
681	1642806.39	516650.00	~~58.48~~	58.32
682	1642806.39	516700.00	~~58.98~~	58.97
683	1642804.39	516700.00	~~57.98~~	58.10
684	1642802.39	516700.00	~~58.98~~	58.89
685	1642769.33	516700.00	~~59.64~~	59.65
686	1642760.62	516700.00	~~64.00~~	63.72 (T)
687	1642756.62	516700.00	~~64.00~~	63.66 (T)
688	1642756.62	516750.00	~~64.00~~	64.20 (T)
689	1642760.62	516750.00	~~64.00~~	64.27 (T)
690	1642768.29	516750.00	~~60.17~~	60.23
691	1642802.39	516750.00	~~59.48~~	59.34
692	1642804.39	516750.00	~~58.48~~	58.51
693	1642806.39	516750.00	~~59.48~~	59.28
694	1642806.39	516800.00	~~59.98~~	59.79
695	1642804.39	516800.00	~~58.98~~	59.00
696	1642802.39	516800.00	~~59.98~~	59.98
697	1642767.24	516800.00	~~60.69~~	60.72
698	1642760.62	516800.00	~~64.00~~	64.25 (T)
699	1642756.62	516800.00	~~64.00~~	64.15 (T)
700	1642800.00	516850.00	~~62.45~~	62.51

SITE AS-BUILT GRADING TABLE

POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)
701	1642800.00	516900.00	~~87.45~~	87.41
702	1642800.00	516950.00	~~112.45~~	112.39
703	1642850.00	516950.00	~~112.70~~	112.66
704	1642850.00	516900.00	~~87.74~~	87.75
705	1642850.00	516850.00	~~62.84~~	62.93
706	1642850.00	516800.00	~~60.86~~	60.91
707	1642850.00	516750.00	~~60.36~~	60.40
708	1642850.00	516700.00	~~59.86~~	59.83
709	1642850.00	516650.00	~~59.36~~	59.36
710	1642850.00	516600.00	~~58.86~~	58.84
711	1642850.00	516550.00	~~58.36~~	56.36
712	1642850.00	516500.00	~~57.86~~	57.93
713	1642850.00	516450.00	~~57.36~~	57.41
714	1642850.00	516400.00	~~58.77~~	58.78
715	1642850.00	516350.00	~~61.42~~	61.44
716	1642850.00	516300.00	~~62.90~~	62.85
717	1642850.00	516250.00	~~63.12~~	63.17
718	1642850.00	516200.00	~~62.82~~	62.78
719	1642850.00	516150.00	~~62.53~~	62.55
720	1642850.00	516100.00	~~62.23~~	62.20
721	1642850.00	516050.00	~~61.94~~	61.88
722	1642850.00	516000.00	~~61.64~~	61.69
723	1642847.12	515965.81	~~60.00~~	60.10
724	1642857.24	515955.81	~~65.00~~	64.89
725	1642867.36	515945.81	~~70.00~~	69.97
726	1642877.48	515935.81	~~75.00~~	75.15
727	1642887.60	515925.81	~~80.00~~	79.98
728	1642897.72	515915.81	~~85.00~~	84.90
729	1642907.84	515905.81	~~90.00~~	90.02
730	1642917.95	515896.82	~~95.00~~	95.01
731	1642928.05	515887.83	~~100.00~~	100.02
732	1642938.05	515887.95	~~105.00~~	104.88
733	1642948.05	515888.07	~~110.00~~	109.91
734	1642958.05	515888.19	~~115.00~~	114.87
735	1642964.05	515888.26	~~118.00~~	118.06
736	1642959.84	515867.59	~~118.00~~	118.10
737	1642954.42	515870.16	~~115.00~~	114.91
738	1642945.50	515874.74	~~110.00~~	109.85
739	1642949.62	515852.52	~~118.00~~	118.11
740	1642945.35	515856.74	~~115.00~~	115.03
741	1642938.24	515863.77	~~110.00~~	109.89
742	1642931.12	515870.80	~~105.00~~	105.05
743	1642924.01	515877.83	~~100.00~~	100.15
744	1642914.49	515887.23	~~95.00~~	95.01
745	1642904.37	515897.23	~~90.00~~	90.06
746	1642894.26	515907.23	~~85.00~~	84.97
747	1642884.14	515917.23	~~80.00~~	80.06
748	1642874.02	515927.23	~~75.00~~	74.93
749	1642863.90	515937.23	~~70.00~~	69.94
750	1642853.78	515947.23	~~65.00~~	65.00
751	1642843.66	515957.23	~~60.00~~	59.87
752	1642836.25	515964.56	~~55.00~~	55.08
753	1642834.11	515963.67	~~55.00~~	55.02
754	1642835.13	515953.67	~~60.00~~	59.97
755	1642845.24	515943.67	~~65.00~~	64.98
756	1642855.36	515933.67	~~70.00~~	69.91
757	1642865.48	515923.67	~~75.00~~	74.93
758	1642875.60	515913.67	~~80.00~~	79.96
759	1642885.72	515903.67	~~85.00~~	85.08
760	1642895.84	515893.67	~~90.00~~	90.04
761	1642905.96	515883.67	~~95.00~~	95.14
762	1642914.05	515873.67	~~100.00~~	100.16
763	1642914.05	515863.67	~~105.00~~	105.01
764	1642914.05	515853.67	~~110.00~~	109.93
765	1642914.05	515843.67	~~115.00~~	114.90
766	1642914.05	515837.67	~~118.00~~	117.94
767	1642900.00	515850.00	~~111.83~~	111.83
768	1642850.00	515850.00	~~111.83~~	111.86
769	1642850.00	515900.00	~~86.83~~	86.88
770	1642900.00	515950.00	86.34	
771	1642900.00	516000.00	~~86.64~~	86.56
772	1642900.00	516050.00	~~86.93~~	86.87
773	1642900.00	516100.00	~~87.23~~	87.14
774	1642900.00	516150.00	~~87.53~~	87.49
775	1642900.00	516200.00	~~87.82~~	87.78
776	1642900.00	516250.00	~~88.12~~	87.94
777	1642900.00	516300.00	~~87.88~~	87.90
778	1642900.00	516350.00	~~86.31~~	86.37
779	1642900.00	516400.00	~~83.48~~	83.54
780	1642900.00	516450.00	~~79.39~~	79.41
781	1642900.00	516500.00	~~74.09~~	74.09
782	1642900.00	516550.00	~~67.61~~	67.60
783	1642900.00	516600.00	~~59.99~~	60.02
784	1642900.00	516650.00	~~60.36~~	60.38
785	1642900.00	516700.00	~~60.86~~	60.90
786	1642900.00	516750.00	~~61.36~~	61.33
787	1642900.00	516800.00	~~61.86~~	61.81
788	1642900.00	516850.00	~~72.47~~	72.37
789	1642900.00	516900.00	~~94.14~~	94.22
790	1642900.00	516950.00	~~117.42~~	117.34
791	1642950.00	516900.00	~~107.55~~	170.51
792	1642950.00	516850.00	~~90.17~~	90.19
793	1642950.00	516800.00	~~78.05~~	78.02
794	1642950.00	516750.00	~~67.65~~	67.54
795	1642950.00	516700.00	~~65.45~~	65.41
796	1642950.00	516650.00	~~74.60~~	74.60
797	1642950.00	516600.00	~~83.61~~	83.62
798	1642950.00	516550.00	~~91.58~~	91.54
799	1642950.00	516500.00	~~98.36~~	98.35
800	1642950.00	516450.00	~~103.92~~	103.84

SITE AS-BUILT GRADING TABLE

POINT NO.	NORTHING	EASTING	ELEV. (FT.)	A.B. ELEV. (FT.)
801	1642950.00	516400.00	~~108.21~~	108.22
802	1642950.00	516350.00	~~111.20~~	111.17
803	1642950.00	516300.00	~~112.86~~	112.88
804	1642950.00	516250.00	~~113.11~~	113.11
805	1642950.00	516200.00	~~112.82~~	112.79
806	1642950.00	516150.00	~~112.52~~	112.48
807	1642950.00	516100.00	~~112.23~~	112.17
808	1642950.00	516050.00	~~111.93~~	111.99
809	1642950.00	516000.00	~~111.64~~	111.67
810	1642950.00	515950.00	~~111.34~~	111.29
811	1642950.00	515900.00	~~111.05~~	111.01
812	1643000.00	516550.00	~~115.43~~	115.43
813	1643000.00	516600.00	~~107.00~~	106.91
814	1643000.00	516650.00	~~97.87~~	97.86
815	1643000.00	516700.00	~~89.33~~	89.31
816	1643000.00	516750.00	~~90.73~~	90.66
817	1643000.00	516800.00	~~100.78~~	100.87
818	1643000.00	516850.00	~~111.42~~	111.44
819	1643050.00	516750.00	~~114.82~~	114.82
820	1643050.00	516700.00	~~113.93~~	113.92
821	1642909.57	516719.88	~~61.25~~	61.20
822	1642838.95	516766.10	~~60.30~~	60.30
823	1642914.06	515887.67	94.79	
824	1642996.04	516397.25	~~118.50~~	118.60
825	1642993.57	516397.62	~~118.50~~	118.63
826	1642991.10	516397.99	~~118.50~~	118.63
827	1642830.70	516002.72	~~52.50~~	52.60
828	1642784.89	516002.43	~~52.36~~	52.37
829	1642934.69	515842.13	~~118.00~~	118.06
830	1642932.38	515847.67	~~115.00~~	115.00
831	1642928.43	515856.86	~~110.00~~	109.97
832	1642715.03	515823.18	119.80	

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 61G17-6, Florida Administrative Code.

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

Last Survey Date, 12/21/10

LEGEND

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

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

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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

REV	DATE	DESCRIPTION	BY
1	12/21/10	AS-BUILT INFORMATION	JB

DRAWING TITLE
SITE GRADING CONTROL POINTS AS-BUILT TABLE

PROJECT TITLE
CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT

PREPARED FOR
COMANCO ENVIRONMENTAL CORPORATION PLANT CITY, FLORIDA

BERGLUND CONSTRUCTION SERVICES, LLC
PINELLAS COUNTY, FLORIDA
P: 727-535-1241 F: 727-475-9979

PROJ. NO. 09207049.06 | DWN. BY: JB | CHK. BY: CN | Q/A RVW BY: | APP. BY:

CADD FILE: ASB_074906GRAD-CNTRL
DATE: APRIL 2010
SCALE: AS SHOWN
DRAWING NO. **6**

POINT NO.	NORTHING	EASTING	ELEV. (FT.)
1001	1642715.18	516849.42	72.15
1002	1642714.95	516854.52	73.62
1003	1642718.43	516969.91	120.95
1004	1642440.42	516967.18	121.22
1005	1642438.82	516971.83	120.42
1006	1642655.66	516980.07	118.04
1007	1642654.81	516971.74	120.49
1008	1642615.89	516969.31	120.55
1009	1642616.75	516977.21	119.44
1010	1642563.67	516975.36	119.81
1011	1642564.93	516970.26	121.13
1012	1642515.60	516969.05	120.62
1013	1642514.82	516974.72	120.65
1014	1642466.19	516975.70	119.70
1015	1642465.48	516970.37	120.15
1016	1642707.81	516632.28	83.31
1017	1642450.83	517006.04	123.14
1018	1642450.42	517018.38	123.69
1019	1642451.11	517026.50	123.87
1020	1642451.30	517033.81	125.31
1021	1642499.76	517033.19	125.54
1022	1642498.99	517026.96	124.82
1023	1642498.97	517011.20	124.28
1024	1642545.97	517010.59	125.58
1025	1642546.29	517014.44	125.25
1026	1642546.12	517027.89	126.00
1027	1642546.12	517032.83	126.24
1028	1642595.46	517034.20	126.75
1029	1642595.68	517030.08	126.44
1030	1642596.44	517015.53	125.81
1031	1642596.36	517011.91	126.60
1032	1642642.95	517013.79	127.54
1033	1642642.82	517016.58	126.71
1034	1642642.33	517030.24	126.85
1035	1642642.26	517034.69	127.33
1036	1642688.78	517034.70	127.54
1037	1642688.90	517032.10	126.80
1038	1642689.19	517019.16	126.33
1039	1642734.92	517019.06	126.32
1040	1642734.73	517032.53	127.00
1041	1642734.85	517035.37	127.53
1042	1642773.81	517035.44	127.64
1043	1642773.94	517032.53	126.83
1044	1642774.64	517018.06	126.65
1045	1642823.88	517018.54	126.82
1046	1642823.57	517033.66	126.92
1047	1642823.47	517035.68	127.69
1048	1642870.47	517035.65	126.78
1049	1642869.16	517021.96	126.93
1050	1642869.08	517020.33	127.58
1051	1642904.61	517019.19	126.70
1052	1642906.04	517034.12	126.92
1053	1642947.72	517033.80	125.75
1054	1642946.48	517022.45	126.44
1055	1642946.40	517005.31	126.33
1056	1642991.81	517003.26	126.52
1057	1642991.33	516989.47	126.22
1058	1642990.69	516976.73	126.36
1059	1642990.01	517007.59	126.48
1060	1642989.27	517014.18	126.25
1061	1642993.88	517018.62	125.60
1062	1643004.48	517022.15	124.99
1063	1643023.01	517021.28	124.62
1064	1643008.55	517019.66	128.15
1065	1643002.60	517013.96	128.87
1066	1642998.23	517011.81	128.91
1067	1642996.98	517008.93	128.91
1068	1642996.50	517005.27	128.24
1069	1642999.90	517004.33	128.15
1070	1643005.37	517002.10	127.63
1071	1643003.27	516998.14	126.01
1072	1643013.06	516994.00	125.94
1073	1643016.35	517003.48	127.17
1074	1643020.78	517010.62	121.89
1075	1643022.48	517014.35	122.63
1076	1643039.19	517014.35	122.89
1077	1642990.98	517023.35	125.31
1078	1642997.68	517033.97	125.31
1079	1643029.00	517034.36	125.42
1080	1643038.91	517019.51	124.46
1081	1643038.27	517013.16	123.43
1082	1643038.69	517006.43	121.65
1083	1643039.22	517003.89	121.67
1084	1643084.52	517000.62	123.47
1085	1643084.07	517004.43	123.36
1086	1643084.17	517006.47	121.92
1087	1643084.19	517015.39	123.22
1088	1643084.18	517022.28	123.53
1089	1643083.67	517033.12	123.44
1090	1643083.47	517035.57	124.36
1091	1643140.11	517005.86	122.03
1092	1643183.01	517000.35	122.48
1093	1643240.50	516996.39	122.47
1094	1643239.62	516987.52	125.70
1095	1643239.42	516978.57	125.13
1096	1643239.47	516974.09	130.31
1097	1643239.34	516970.66	132.11
1098	1643235.17	516961.90	130.93
1099	1643188.81	516961.55	128.67
1100	1643188.45	516978.77	129.11

POINT NO.	NORTHING	EASTING	ELEV. (FT.)
1101	1643188.74	516988.80	128.97
1102	1643138.95	516990.51	129.67
1103	1643138.77	516988.18	128.19
1104	1643138.20	516961.25	127.51
1105	1643084.90	516965.34	127.25
1106	1643085.05	516989.15	127.31
1107	1643085.27	516992.95	128.94
1108	1643036.42	516991.35	127.16
1109	1643036.36	516989.59	126.23
1110	1643034.81	516968.10	125.55
1111	1643036.16	516951.96	125.42
1112	1643068.80	516967.71	126.27
1113	1643063.66	516951.36	124.53
1114	1643079.25	516950.12	124.27
1115	1643098.94	516930.14	122.70
1116	1643096.03	516958.60	126.92
1117	1643096.07	516958.35	126.95
1118	1643105.47	516952.18	127.78
1119	1643118.53	516937.60	127.21
1120	1643124.18	516920.58	126.50
1121	1643130.24	516901.54	126.53
1122	1643116.35	516912.67	125.03
1123	1643107.30	516920.97	123.49
1124	1643142.40	516893.68	126.73
1125	1643138.58	516934.88	126.64
1126	1643188.40	516928.79	127.68
1127	1643188.77	516882.43	127.26
1128	1643143.68	516880.33	127.15
1129	1643145.84	516846.75	127.70
1130	1643127.88	516865.84	126.17
1131	1643105.28	516889.77	124.48
1132	1643081.83	516911.86	123.13
1133	1643059.54	516934.61	124.20
1134	1643078.63	516931.03	123.21
1135	1643094.81	516916.44	122.94
1136	1643118.54	516894.13	125.08
1137	1643236.23	516881.30	127.22
1138	1643237.65	516924.67	128.50
1139	1643233.86	516837.21	127.99
1140	1643233.86	516837.07	127.99
1141	1643232.34	516789.23	128.82
1142	1643231.53	516739.97	130.47
1143	1643230.31	516692.28	130.44
1144	1643229.25	516644.40	129.88
1145	1643228.91	516590.97	128.86
1146	1643227.85	516542.00	124.97
1147	1643226.65	516492.11	124.70
1148	1643225.09	516456.72	123.93
1149	1643224.27	516442.85	122.62
1150	1643224.22	516414.35	123.44
1151	1643223.38	516392.36	122.83
1152	1643181.36	516412.53	121.69
1153	1643182.02	516426.86	121.10
1154	1643182.37	516430.91	120.77
1155	1643183.58	516449.94	120.82
1156	1643184.09	516468.46	120.40
1157	1643185.67	516489.39	122.18
1158	1643185.98	516505.50	122.81
1159	1643186.33	516526.38	123.12
1160	1643184.09	516552.39	126.24
1161	1643184.33	516591.39	127.91
1162	1643186.47	516635.82	128.99
1163	1643186.78	516658.01	125.57
1164	1643192.44	516699.44	129.42
1165	1643190.74	516739.02	129.78
1166	1643195.77	516739.38	129.85
1167	1643193.13	516785.13	129.74
1168	1643189.50	516810.08	129.16
1169	1643164.05	516832.03	128.95
1170	1643179.29	516789.98	129.36
1171	1643185.43	516748.86	129.50
1172	1643180.22	516636.31	128.54
1173	1643170.29	516602.88	126.66
1174	1643160.23	516574.56	125.79
1175	1643145.04	516548.09	123.27
1176	1643133.35	516528.64	120.86
1177	1643121.73	516539.20	119.33
1178	1643116.47	516522.60	118.87
1179	1643111.50	516505.85	118.80
1180	1643097.37	516509.34	117.54
1181	1643110.89	516525.49	118.59
1182	1643079.91	516403.11	115.94
1183	1643066.07	516482.56	115.04
1184	1643053.89	516482.97	114.66
1185	1643048.34	516490.47	114.35
1186	1643035.83	516451.04	114.62
1187	1643054.56	516449.31	114.36
1188	1643100.14	516444.52	114.56
1189	1643117.29	516443.47	115.97
1190	1643137.34	516437.58	117.05
1191	1643143.48	516463.87	118.71
1192	1643142.80	516492.52	119.35
1193	1643149.25	516509.02	119.69
1194	1643160.57	516520.62	120.77
1195	1643164.98	516537.01	123.20
1196	1643164.98	516558.44	124.97
1197	1643148.61	516538.67	122.00
1198	1643154.50	516521.22	119.72
1199	1643143.14	516527.38	119.78
1200	1643135.73	516533.23	119.44

POINT NO.	NORTHING	EASTING	ELEV. (FT.)
1201	1643136.63	516540.21	119.53
1202	1643126.53	516531.37	119.40
1203	1643129.30	516510.40	118.96
1204	1643121.83	516481.92	118.38
1205	1643118.61	516461.41	117.02
1206	1643091.59	516462.88	115.61
1207	1643090.65	516477.94	116.67
1208	1643061.14	516467.89	114.76
1209	1643072.61	516438.32	114.28
1210	1643054.07	516418.23	114.69
1211	1643039.14	516420.07	114.64
1212	1643026.87	516375.01	115.18
1213	1643036.52	516373.48	115.66
1214	1643028.98	516329.98	116.22
1215	1643026.67	516328.40	115.89
1216	1643028.66	516280.04	116.11
1217	1643028.48	516231.88	116.56
1218	1643017.28	516231.57	116.81
1219	1643017.77	516194.41	117.03
1220	1643030.45	516194.45	116.94
1221	1643032.67	516138.04	116.93
1222	1643021.02	516137.64	117.13
1223	1643060.35	516502.44	111.41
1224	1643069.30	516512.61	108.84
1225	1643080.98	516532.57	107.42
1226	1643092.43	516558.29	106.84
1227	1643098.51	516583.68	108.18
1228	1643108.65	516611.66	108.52
1229	1643121.56	516644.40	108.26
1230	1643131.64	516672.68	107.40
1231	1643138.65	516700.65	106.44
1232	1643138.73	516731.25	107.03
1233	1643132.54	516764.84	107.32
1234	1643122.95	516784.76	108.74
1235	1643107.88	516812.81	110.54
1236	1643091.92	516839.89	111.77
1237	1643074.87	516866.33	113.76
1238	1643055.82	516892.07	114.93
1239	1643036.51	516913.69	116.74
1240	1643012.36	516935.07	117.72
1241	1642996.45	516945.41	118.49
1242	1643000.73	516958.63	123.48
1243	1643031.46	516938.35	121.50
1244	1643061.03	516911.10	120.00
1245	1643086.92	516882.13	118.66
1246	1643113.79	516851.77	119.53
1247	1643133.02	516823.39	119.57
1248	1643147.16	516800.39	119.34
1249	1643157.86	516777.96	119.27
1250	1643164.57	516744.58	120.14
1251	1643164.57	516744.58	120.14
1252	1643166.69	516711.93	120.63
1253	1643161.84	516677.00	120.37
1254	1643152.13	516646.09	118.56
1255	1643140.33	516613.30	117.44
1256	1643127.93	516583.64	116.37
1257	1643112.13	516556.94	114.64
1258	1643094.16	516529.81	113.52
1259	1643081.10	516512.48	112.06
1260	1643069.34	516502.18	111.98
1261	1643079.40	516518.74	110.31
1262	1643075.28	516523.16	108.57
1263	1642750.97	516832.06	65.35
1264	1642724.18	516833.67	69.93
1265	1642724.48	516803.71	71.56
1266	1642740.40	516803.86	68.28
1267	1642753.19	516803.98	66.38
1268	1642753.05	516761.59	67.04
1269	1642736.52	516763.38	69.61
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	65.96
1275	1642738.37	516679.44	67.46
1276	1642718.67	516678.96	74.69
1277	1642718.29	516632.44	78.05
1278	1642742.85	516632.82	67.02
1279	1642754.90	516633.00	65.11
1280	1642755.47	516588.28	65.53
1281	1642734.82	516585.58	72.99
1282	1642728.58	516544.54	78.72
1283	1642739.93	516544.39	72.45
1284	1642754.62	516544.20	66.92
1285	1642754.02	516509.00	69.66
1286	1642745.03	516509.04	71.43
1287	1642735.71	516509.07	77.81
1288	1642737.35	516462.78	76.49
1289	1642746.36	516462.72	71.21
1290	1642754.62	516462.68	69.15
1291	1642755.18	516415.31	68.55
1292	1642750.38	516415.89	70.11
1293	1642743.25	516416.76	74.36
1294	1642747.10	516382.79	71.71
1295	1642752.36	516382.27	69.24
1296	1642755.22	516381.98	68.69
1297	1642755.93	516345.60	67.25
1298	1642752.09	516345.56	69.42
1299	1642741.03	516345.43	69.94
1300	1642742.14	516301.77	69.85

POINT NO.	NORTHING	EASTING	ELEV. (FT.)
1301	1642753.23	516301.90	68.88
1302	1642753.31	516259.13	68.86
1303	1642742.95	516258.03	69.56
1304	1642742.43	516215.30	69.67
1305	1642752.30	516216.66	69.36
1306	1642754.30	516171.07	68.49
1307	1642743.01	516169.52	69.27
1308	1642745.17	516123.96	68.45
1309	1642754.72	516124.56	67.81
1310	1642754.54	516079.45	67.67
1311	1642745.73	516079.26	68.01
1312	1642746.92	516034.08	67.82
1313	1642755.22	516034.34	66.96
1314	1642755.48	516004.95	67.13
1315	1642747.45	516005.55	68.53
1316	1642744.69	515997.91	70.32
1317	1642739.04	515994.31	72.60
1318	1642741.04	515981.89	72.77
1319	1642752.70	515984.04	69.23
1320	1642749.97	515959.25	70.92
1321	1642744.72	515958.73	72.45
1322	1642747.18	515949.21	72.21
1323	1642747.41	515946.25	74.17
1324	1642753.84	515949.76	65.74
1325	1642755.99	515933.74	68.69
1326	1642748.34	515938.45	71.72
1327	1642734.30	515930.33	76.88
1328	1642738.97	515915.37	78.29
1329	1642738.86	515907.64	81.90
1330	1642753.46	515909.04	81.31
1331	1642728.12	515906.80	81.91
1332	1642722.21	515920.90	81.32
1333	1642754.84	515922.67	73.71
1334	1642724.47	515928.05	82.45
1335	1642722.50	515931.57	82.51
1336	1642733.23	515936.90	79.21
1337	1642734.56	515933.95	78.74
1338	1642741.48	515938.64	76.44
1339	1642730.45	515941.83	76.80
1340	1642746.57	515950.32	71.91
1341	1642728.48	515945.54	77.26
1342	1642720.34	515942.98	79.22
1343	1642719.15	515977.85	78.62
1344	1642729.97	515979.85	74.61
1345	1642728.34	516006.98	74.12
1346	1642737.83	516006.27	73.30
1347	1642740.65	516006.06	73.00
1348	1642738.08	516033.82	74.43
1349	1642734.78	516033.72	75.73
1350	1642726.22	516033.46	74.78
1351	1642724.84	516078.79	75.85
1352	1642733.19	516078.98	75.53
1353	1642735.15	516079.02	76.72
1354	1642734.59	516123.29	76.66
1355	1642733.49	516123.22	76.03
1356	1642725.01	516122.68	76.53
1357	1642723.58	516166.85	76.44
1358	1642732.10	516168.02	76.21
1359	1642734.13	516168.30	77.58
1360	1642733.20	516214.02	78.55
1361	1642730.67	516213.68	77.02
1362	1642722.05	516212.49	77.10
1363	1642721.25	516255.74	77.55
1364	1642730.53	516256.72	77.56
1365	1642733.65	516257.05	78.90
1366	1642730.45	516301.64	79.45
1367	1642728.57	516301.62	78.13
1368	1642718.99	516301.51	78.33
1369	1642717.09	516345.15	79.39
1370	1642725.26	516345.24	79.36
1371	1642729.57	516345.29	81.21
1372	1642721.64	516385.33	79.70
1373	1642725.84	516384.92	81.68
1374	1642715.95	516420.07	81.38
1375	1642713.26	516386.17	80.07
1376	1642719.50	516419.64	83.87
1377	1642709.20	516462.94	84.12
1378	1642713.27	516462.91	85.73
1379	1642707.61	516509.19	88.80
1380	1642702.96	516544.88	86.92
1381	1642705.05	516581.70	80.02
1382	1642707.31	516623.07	81.33
1383	1642707.81	516632.28	83.31
1384	1642720.82	516583.76	81.64
1385	1642717.25	516583.29	80.23
1386	1642715.15	516544.72	78.66
1387	1642720.61	516509.14	77.48
1388	1642724.90	516462.85	76.63
1389	1642730.47	516418.31	74.62
1390	1642736.66	516383.84	72.44
1391	1642450.98	516993.36	116.30
1392	1642452.37	516986.08	116.10
1393	1642443.99	516986.40	117.91
1394	1642443.75	516982.64	118.35
1395	1642443.48	516979.72	119.92
1396	1642444.04	516977.17	120.63
1397	1642444.83	516971.33	120.19
1398	1642492.21	516975.12	120.09
1399	1642527.41	516977.00	119.65
1400	1642570.16	516977.30	119.22

POINT NO.	NORTHING	EASTING	ELEV. (FT.)
1401	1642516.43	516978.11	119.19
1402	1642638.65	516980.58	118.27
1403	1642637.06	516977.37	119.27
1404	1642672.54	516977.59	118.79
1405	1642673.80	517014.51	126.66
1406	1642673.23	517018.05	126.37
1407	1642717.24	517018.16	126.54
1408	1642716.40	516974.23	120.58
1409	1642748.14	516975.97	120.27
1410	1642747.49	516972.78	121.16
1411	1642861.47	517016.27	127.60
1412	1642861.67	517013.10	126.97
1413	1642871.13	517013.37	126.83
1414	1642879.18	517012.07	126.95
1415	1642880.13	517009.24	125.72
1416	1642880.24	517006.90	126.03
1417	1642895.12	517010.19	126.44
1418	1642897.78	517018.33	127.28
1419	1642904.05	517017.87	127.15
1420	1642901.02	517008.11	127.63
1421	1642906.38	517006.38	127.11
1422	1642953.67	516992.30	126.93
1423	1642991.35	516970.56	126.87
1424	1642999.79	516945.97	118.95
1425	1643004.05	516355.78	120.47
1426	1643001.00	516313.96	120.15
1427	1643000.52	516282.16	119.41
1428	1643011.70	516310.94	116.71
1429	1643017.16	516355.53	116.05
1430	1643024.56	516397.62	115.73
1431	1643041.09	516477.76	114.95
1432	1643053.89	516503.90	113.63
1433	1643069.44	516545.01	111.93
1434	1643085.39	516584.27	111.72
1435	1643100.65	516624.95	111.32
1436	1643099.74	516632.80	113.33
1437	1643111.10	516671.66	113.85
1438	1643118.25	516703.02	113.77
1439	1643109.22	516702.82	112.80
1440	1643123.10	516745.88	111.25
1441	1643115.39	516785.70	110.71
1442	1643099.49	516821.50	111.88
1443	1643089.25	516845.13	112.46
1444	1643081.46	516853.19	112.54
1445	1643071.56	516871.15	113.98
1446	1643065.29	516877.59	114.11
1447	1643059.22	516887.37	114.68
1448	1643051.57	516894.17	115.27
1449	1643041.57	516908.04	116.42
1450	1643035.22	516911.78	117.03
1451	1643028.37	516920.98	117.02
1452	1643016.88	516929.26	117.42
1453	1643028.01	516015.46	[illegible]
1454	1643120.16	516419.74	110.39
1455	1643040.44	516137.94	117.06
1456	1643010.40	516136.23	117.66
1457	1643010.93	516080.48	118.09
1458	1643033.06	516079.88	117.95
1459	1643031.71	516031.47	119.19
1460	1643032.11	516032.11	119.13
1461	1642997.95	516032.57	120.14
1462	1642998.48	515987.11	120.24
1463	1643016.36	515986.94	120.94
1464	1642999.08	515936.38	[illegible]
1465	1643015.46	515936.83	121.31
1466	1643025.25	515936.38	123.44
1467	1643030.88	515886.90	123.69
1468	1643022.79	515888.91	121.76
1469	1643000.44	515887.88	123.07
1470	1643001.73	515857.11	121.20
1471	1643024.02	515850.24	122.72
1472	1643033.82	515850.47	124.13
1473	1643029.03	515833.28	121.17
1474	1643035.42	515833.67	123.48
1475	1643008.04	515833.63	121.18
1476	1642984.43	515834.25	121.02
1477	1642998.65	515813.69	120.39
1478	1643014.65	515822.18	120.91
1479	1643028.18	515801.35	120.87
1480	1643044.13	515800.45	119.75
1481	1643024.94	515796.21	120.29
1482	1643018.53	515792.44	119.75
1483	1643029.97	515785.08	119.65
1484	1643014.44	515794.45	119.78
1485	1643000.85	515806.40	120.15
1486	1642990.70	515821.70	120.85
1487	1642977.28	515840.80	117.55
1488	1642972.67	515846.12	117.55
1489	1642959.20	515803.25	120.53
1490	1642959.02	515799.37	119.84
1491	1642954.81	515787.59	119.65
1492	1642951.62	515784.75	119.72
1493	1642953.99	515784.98	119.75
1494	1642966.24	515784.30	119.71
1495	1643006.74	515784.28	119.75
1496	1642980.27	515804.84	120.46
1497	1642983.09	515803.12	120.19
1498	1643029.24	515810.15	120.94
1499	1642950.50	515806.86	120.35
1500	1642883.34	515786.35	119.83

POINT NO.	NORTHING	EASTING	ELEV. (FT.)
1501	1642943.22	515803.42	119.53
1502	1642939.49	515812.06	117.73
1503	1642947.88	515816.32	117.61
1504	1642943.02	515822.49	117.58
1505	1642935.14	515819.33	117.55
1506	1642932.21	515827.28	119.93
1507	1642936.10	515828.93	119.58
1508	1642905.97	515836.46	120.28
1509	1642926.22	515817.52	117.36
1510	1642927.24	515803.05	117.42
1511	1642928.31	515800.87	119.63
1512	1642927.98	515792.65	120.38
1513	1642928.73	515785.63	119.74
1514	1642910.43	515781.13	119.58
1515	1642909.02	515793.19	119.96
1516	1642903.05	515806.74	117.34
1517	1642908.45	515815.51	117.36
1518	1642908.53	515825.37	120.12
1519	1642886.56	515825.57	120.24
1520	1642888.14	515814.84	117.09
1521	1642886.08	515806.00	117.13
1522	1642885.71	515798.38	119.73
1523	1642866.80	515783.39	119.65
1524	1642861.75	515794.74	119.72
1525	1642861.34	515808.71	119.59
1526	1642861.81	515806.25	117.24
1527	1642861.87	515814.75	119.37
1528	1642861.47	515824.93	120.18
1529	1642839.22	515824.49	119.98
1530	1642823.10	515814.25	117.24
1531	1642837.93	515805.44	117.22
1532	1642838.16	515800.52	119.58
1533	1642833.05	515788.28	119.91
1534	1642826.29	515788.48	119.92
1535	1642827.47	515800.03	119.79
1536	1642826.90	515804.67	117.24
1537	1642826.93	515813.25	117.09
1538	1642826.28	515820.23	120.55
1539	1642808.91	515786.66	119.93
1540	1642783.06	515788.71	119.89
1541	1642782.09	515795.58	119.82
1542	1642782.69	515803.37	117.08
1543	1642782.48	515813.01	116.94
1544	1642789.32	515813.45	117.08
1545	1642788.96	515804.61	117.00
1546	1642780.69	515820.25	120.01
1547	1642787.71	515820.45	120.35
1548	1642730.98	515818.86	120.19
1549	1642756.47	515812.58	119.68
1550	1642756.82	515803.07	116.08
1551	1642756.46	515806.31	116.45
1552	1642755.56	515795.67	119.70
1553	1642756.70	515793.46	119.88
1554	1642717.40	515790.52	119.54
1555	1642717.41	515797.21	119.29
1556	1642737.80	515807.86	115.40
1557	1642718.22	515814.38	115.35
1558	1642718.19	515820.84	119.18
1559	1642708.21	515825.84	119.38
1560	1642709.41	515823.83	119.03
1561	1642734.80	515831.47	119.06
1562	1642734.62	515823.52	119.64
1563	1642714.79	515858.22	73.42
1564	1642715.00	515907.73	72.87
1565	1642733.59	515878.72	80.00
1566	1642714.89	515885.02	79.69
1567	1642731.31	515871.08	72.44
1568	1642728.69	515869.28	74.98
1569	1642742.31	515860.62	67.66
1570	1642754.25	515846.19	66.40
1571	1642755.87	515844.02	66.56
1572	1642744.59	515838.85	65.60
1573	1642741.76	515837.11	67.00
1574	1642743.92	515855.10	68.84
1575	1642740.25	515854.83	70.04
1576	1642747.10	515850.07	66.88
1577	1642749.34	515852.11	66.91
1578	1642739.95	515844.48	66.11
1579	1642715.17	515842.34	67.66
1580	1642729.17	515853.85	67.46
1581	1642726.80	515848.92	70.64
1582	1642717.92	515966.97	120.19
1583	1642717.52	515963.97	119.67
1584	1642726.79	515965.74	119.82
1585	1642737.65	515966.98	120.08
1586	1642738.27	515964.55	119.97
1587	1642711.45	515963.90	119.69
1588	1642711.53	515967.24	120.05
1589	1642687.84	515967.10	119.89
1590	1642681.14	515966.66	119.83
1591	1642655.40	515965.59	120.02
1592	1642615.67	515966.94	120.94
1593	1642565.47	515967.15	121.40
1594	1642515.46	515964.94	120.25
1595	1642485.30	515965.68	121.49
1596	1642440.64	515965.07	120.49

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 5J-17, Florida Administrative Code.

Christopher J. Noyes
Florida Surveyor and Mapper No. 6381

Last Survey Date: 12/21/10

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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 17 2011
SOUTHWEST DISTRICT TAMPA

REV	DATE	DESCRIPTION	BY
1	12/21/10	AS-BUILT INFORMATION	JB

DRAWING TITLE: OFF-SITE GRADING CONTROL POINTS AS-BUILT TABLE

PROJECT TITLE: CENTRAL LANDFILL PHASE 3 EXPANSION PROJECT

PREPARED FOR: COMANCO ENVIRONMENTAL CORPORATION, PLANT CITY, FLORIDA

BERGLUND CONSTRUCTION SERVICES, LLC
PINELLAS COUNTY, FLORIDA

PROJ. NO. 09207049.06 | DWN. BY: JB | CHK. BY: CN

CADD FILE: ASB_0749060SGRAD-CNTRL
DATE: APRIL 2010
SCALE: AS SHOWN
DRAWING NO. 6.1