1565454 ①

SOUTHEAST COUNTY LANDFILL

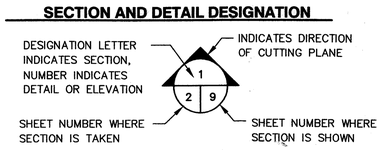
SECTION 8
CAPACITY EXPANSION
CONSTRUCTION DRAWINGS

FEBRUARY 28, 2006

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT

TAMPA, FLORIDA

SECTION AND DETAIL DESIGNATION

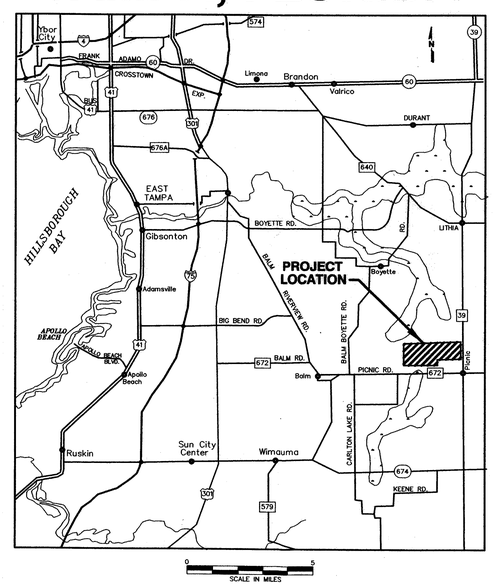


LEGEND

- SHEET FLOW DRAINAGE DIRECTION
- CONCENTRATED DRAINAGE FLOW DIRECTION
- FILL PROGRESSION
- DAILY PROGRESSION
- ZONE/PHASE BOUNDARY
- CENTERLINE OF SWALE
- CENTERLINE OF TEMPORARY SWALE
- 55 — EXISTING CONTOUR
- 55 — PROPOSED CONTOUR
- 55 — PROJECTED EXISTING CONTOUR
- REINFORCED CONCRETE PIPE
- DOWNCHUTE
- LIMITS OF EXCAVATION OF ORGANIC MATERIAL
- PROPERTY LINE
- FENCELINE
- LFG-1 — LANDFILL GAS MONITORING WELL
- PP — EXISTING POWER POLE
- MW-6A — EXISTING GROUNDWATER MONITORING WELL
- PMW-10 — PROPOSED GROUNDWATER MONITORING WELL
- SB-1 — SOIL BORING
- VEGETATION

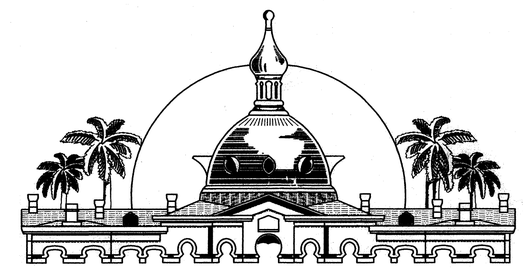
ABBREVIATIONS

APPROX.	APPROXIMATE
CTRD	CENTERED
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
ELEV.	ELEVATION
I.E.	INVERT ELEVATION
LF	LINEAR FEET
EXIST.	EXISTING
SCH.	SCHEDULE
TYP.	TYPICAL
ø	DIAMETER
CONC.	CONCRETE
W/	WITH
CMP	CORRUGATED METAL PIPE
MIN.	MINIMUM
MAX.	MAXIMUM
HDPE	HIGH DENSITY POLYETHYLENE
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
NO.	NUMBER



LOCATION MAP

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703



BOARD OF COUNTY COMMISSIONERS

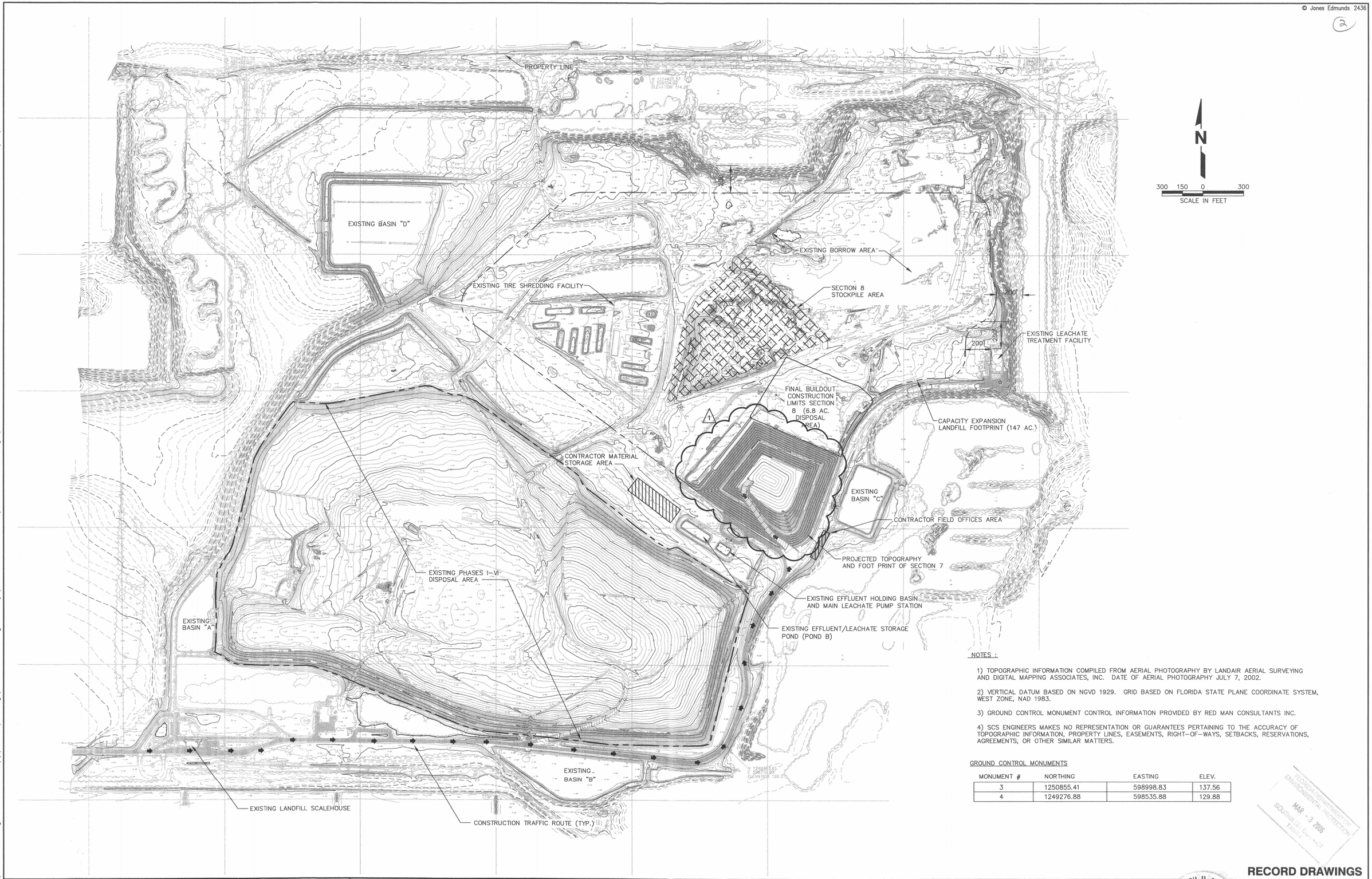
KATHY CASTOR, Commissioner
KEN HAGAN, Commissioner
THOMAS SCOTT, Commissioner
RONDA STORMS, Commissioner
JIM NORMAN, Commissioner
PAT FRANK, Commissioner
JAN PLATT, Commissioner

RECORD DRAWINGS
JONES EDMUNDS HAS PREPARED THESE RECORD DRAWINGS BASED UPON INFORMATION SUPPLIED BY THE CONTRACTOR DURING THE CONSTRUCTION OF THE PROJECT. THE ORIGINAL DESIGN DRAWINGS WERE PREPARED BY SCS ENGINEERS. JONES EDMUNDS REVIEW OF THE RECORD DRAWINGS INDICATES THAT THE CONSTRUCTION WAS COMPLETED AS PER THE ORIGINAL DESIGN.

FILE

Edited: 12/09/05 11:16 JWilliams \\Tpa-srv\Drafting\08449 Hillsborough County\020-SELF Section 8\Certification Drawings\0844902001-C-01-COVER.dwg Plotted: 2/28/06 12:53pm rdemint

(2)



NOTES :

1) TOPOGRAPHIC INFORMATION COMPILED FROM AERIAL PHOTOGRAPHY BY LANDAIR AERIAL SURVEYING AND DIGITAL MAPPING ASSOCIATES, INC. DATE OF AERIAL PHOTOGRAPHY JULY 7, 2002.

2) VERTICAL DATUM BASED ON NGVD 1929. GRID BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD 1983.

3) GROUND CONTROL MONUMENT CONTROL INFORMATION PROVIDED BY RED MAN CONSULTANTS INC.

4) SCS ENGINEERS MAKES NO REPRESENTATION OR GUARANTEES PERTAINING TO THE ACCURACY OF TOPOGRAPHIC INFORMATION, PROPERTY LINES, EASEMENTS, RIGHT-OF-WAYS, SETBACKS, RESERVATIONS, AGREEMENTS, OR OTHER SIMILAR MATTERS.

GROUND CONTROL MONUMENTS

MONUMENT #	NORTHING	EASTING	ELEV.
3	1250855.41	598998.83	137.56
4	1249276.88	598535.88	129.88

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT TAMPA MAR - 3 2006

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1	2/28/06	RECORD DRAWING ADDITIONS / REVISIONS	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
FACILITY SITE PLAN & EXISTING TOPOGRAPHY
CONSTRUCTION DRAWINGS

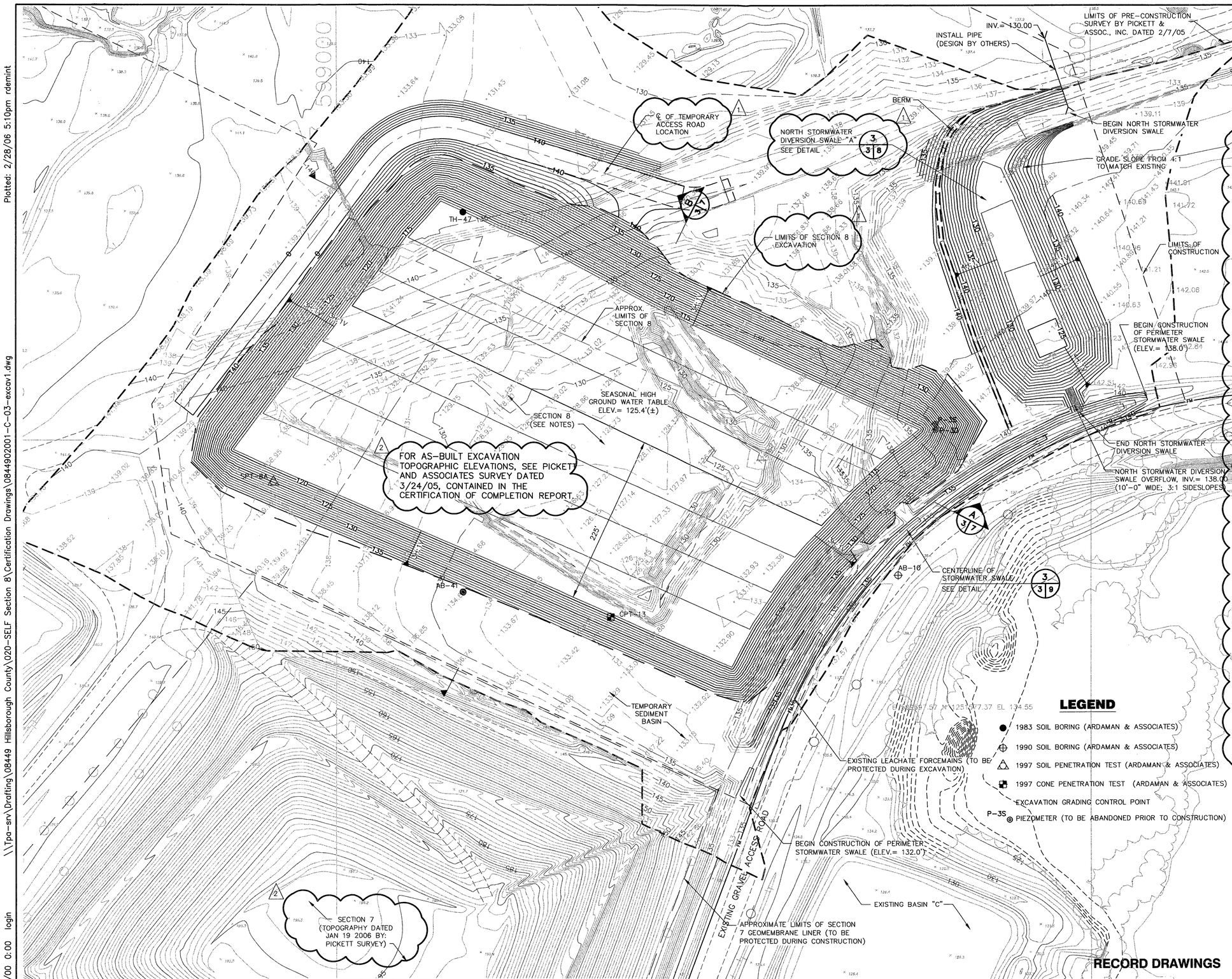
CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY
JOSEPH H. OJNEILE P.E.
P.E. # 052049 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	2

Plotted: 2/28/06 11:06am rdemint

\\Tpa-srv\Drafting\08449 Hillsborough County\020-SELF Section 8\Certification Drawings\0844902001-C-02-site1.DWG

Edited: 00/00/00 0:00 login



HORIZONTAL GRADING CONTROL TABLE			
POINT NO.	NORTHING	EASTING	ELEV. (FT)
1	1252430.52	599972.57	130.00
2	1252315.59	599895.77	127.00
3	1252017.44	599893.09	141.00
4	1252039.52	599901.74	–
5	1252016.46	599783.82	113.00
6	1252388.42	599123.20	–
7	1252320.28	599136.93	113.00
8	1251956.74	598775.47	–
9	1251987.41	598863.64	119.00
10	1251904.20	598864.93	132.00
11	1251866.46	598836.27	132.00
12	1251631.14	599507.80	129.00
13	1251573.14	599482.29	129.00
14	1251645.19	599553.65	–
15	1251701.92	599523.71	119.00
16	1251752.23	599547.41	118.00
17	1251799.86	599576.19	117.00
18	1251845.67	599607.59	116.00
19	1251888.54	599642.96	115.00
20	1251817.79	598999.83	131.00
21	1251753.69	599147.74	130.00
22	1251691.64	599289.65	129.00
23	1251533.28	599534.24	132.00
24	1251569.30	599550.24	132.00
25	1251747.05	599641.67	133.00
26	1251897.27	599772.82	134.00
27	1252004.65	599940.82	135.00
28	1252054.20	600074.87	138.00
29	1251888.54	599642.96	114.00
30	1251888.54	599642.96	113.00
31	1252298.10	599854.83	127.00
32	1252128.12	599848.02	142.00
33	1252160.54	599953.35	125.00
34	1252145.21	599916.66	125.00
35	1252123.61	599968.77	125.00
36	1252108.46	599932.46	125.00
37	1252037.73	599984.28	138.00
38	1252329.67	599523.86	138.89
39	1252320.58	599449.74	140.00
40	1252405.86	599173.44	140.00
41	1252367.52	599050.48	140.00
42	1252041.43	598798.32	140.00
43	1252262.76	599802.72	142.00
44	1252323.82	599797.42	141.00
45	1252384.10	599806.16	140.00
46	1252430.98	599844.03	139.00
47	1252366.77	599857.32	128.00
48	1252357.64	599880.68	128.00
49	1252418.19	599902.71	129.00
50	1252396.34	599914.99	129.00
E 51	1252022.25	599891.07	141.00

NOTES:

1. EXCAVATION CONTOURS WERE ASSUME A CONTIGUOUS PHOSPHATIC CLAY LAYER. THE BOTTOM OF PHOSPHATIC CLAY SHALL BE FIELD-VERIFIED, THEREFORE EXCAVATION LIMITS, ELEVATIONS AND GRADING CONTROL ARE SUPPLIED FOR REFERENCE ONLY.
2. THE EXCAVATED SOILS CANNOT BE USED AS BACKFILL AND MUST BE STOCKPILED.
3. EXISTING TOPOGRAPHY COMPILED FROM AERIAL SURVEY BY PICKETT AERIAL SURVEYS FOR WASTE MANAGEMENT INC, OF FLORIDA DATED JULY 5, 2004 AND (WERE INDICATED) FROM PRE-CONSTRUCTION FIELD SURVEY BY PICKETT AND ASSOC., INC. DATED FEBRUARY 7, 2005.
4. NORTH STORMWATER DIVERSION SWALE, STORMWATER SWALE AND SEDIMENT BASIN TO BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF EXCAVATION.
5. SEE DRAWING NO. 7 OF 9 FOR EXISTING SOIL BORING PROFILES.

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISION – ALIGNMENT OF ROAD CHANGED; TOPOGRAPHIC SURVEY INSERTED, NORTH SWALE MODIFIED; EXCAVATION MODIFIED		
2	2/28/06	RECORD DRAWING ADDITIONS / TOPOGRAPHY REVISIONS	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

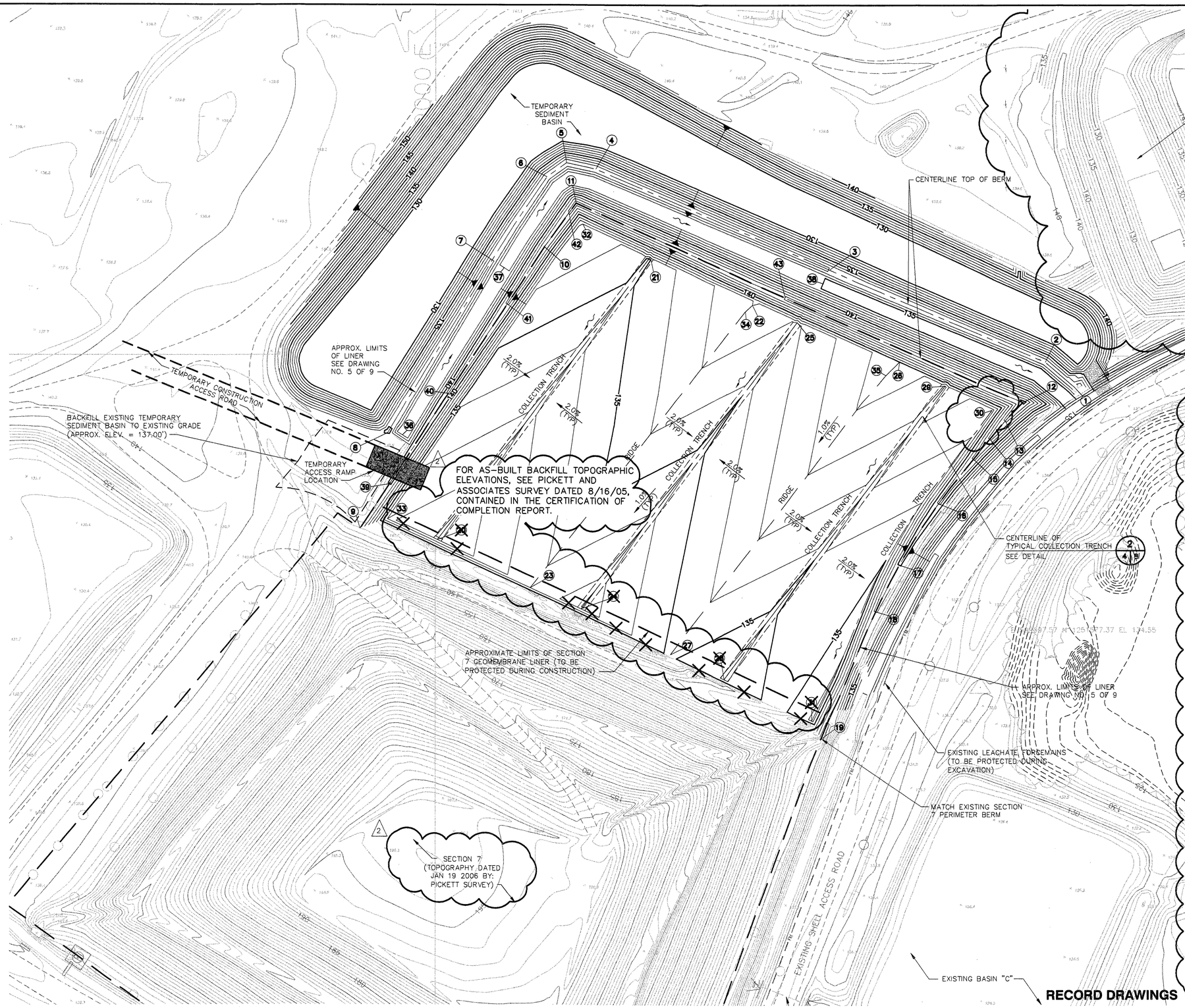
JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
EXCAVATION PLAN
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY: 10/02/07
JOSEPH H. O'NEILL, P.E.
STATE OF FLORIDA
P.E. # 052049
LICENSED PROFESSIONAL ENGINEER

DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	3



RECORD DRAWINGS

* = REVISED POINT

HORIZONTAL GRADING CONTROL TABLE

	POINT NO.	NORTHING	EASTING	ELEV. (FT)
	1	1,251,961.78	599,816.59	137.00
*	2	1,251,992.30	599,780.60	137.41
*	3	1,252,109.21	599,504.61	138.00
*	4	1,252,236.43	599,204.97	138.55
	5	1,252,244.14	599,167.44	138.59
*	6	1,252,226.32	599,142.31	138.64
	7	1,252,120.57	599,072.37	139.00
	8	1,251,900.62	598,938.75	140.00
	9	1,251,778.20	598,903.47	139.50
	10	1,252,137.25	599,139.32	142.63
	11	1,252,192.69	599,179.68	143.11
	12	1,251,940.06	599,751.92	145.00
*	13	1,251,916.78	599,729.35	144.00
*	14	1,251,894.18	599,709.65	143.00
	15	1,251,868.74	599,688.70	142.00
	16	1,251,812.41	599,644.24	141.00
	17	1,251,733.39	599,593.88	140.00
	18	1,251,673.31	599,563.79	139.00
	19	1,251,512.01	599,494.34	139.20
	20	1,251,764.42	599,002.74	132.00
	21	1,252,124.93	599,274.54	136.00
	22	1,252,064.94	599,405.75	138.00
	23	1,251,702.59	599,121.40	134.00
	24	1,251,675.58	599,186.56	133.00
	25	1,252,043.04	599,463.33	137.00
*	26	1,251,992.54	599,594.27	140.00
	27	1,251,618.07	599,300.73	135.18
*	28	1,251,586.97	599,369.90	134.00
	29	1,251,961.97	599,652.63	138.00
*	30	1,251,930.57	599,712.54	137.42
*	31	1,251,534.93	599,481.73	134.00
	32	1,252,166.49	599,188.08	137.00
*	33	1,251,791.02	598,938.47	133.00
	34	1,252,056.84	599,396.86	137.85
	35	1,251,975.34	599,576.84	139.51
	36	1,251,897.76	598,957.73	137.00
	37	1,252,110.97	599,087.74	136.00
	38	1,252,092.66	599,496.22	135.00
	39	1,251,835.65	598,941.12	140.00
	40	1,251,950.56	599,016.40	141.00
	41	1,252,065.47	599,091.69	142.00
*	42	1,252,180.30	599,170.42	143.00
*	43	1,252,074.42	599,447.53	144.00
*	44	(DELETED)	(DELETED)	–

W.B.
121.6

RECEIVED
SOLID WASTE DEPARTMENT
ENVIRONMENTAL PROTECTION
MAR 3 2006
SOUTHWEST COLLECTION DISTRICT

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISION – REGRADE OF SLOPE, RIPRAP OVERFLOW REMOVED, GRADING POINTS MODIFIED	JHV	JHO
2	2/28/06	RECORD DRAWING – OMISSIONS AND TOPOGRAPHY MODIFIED		

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

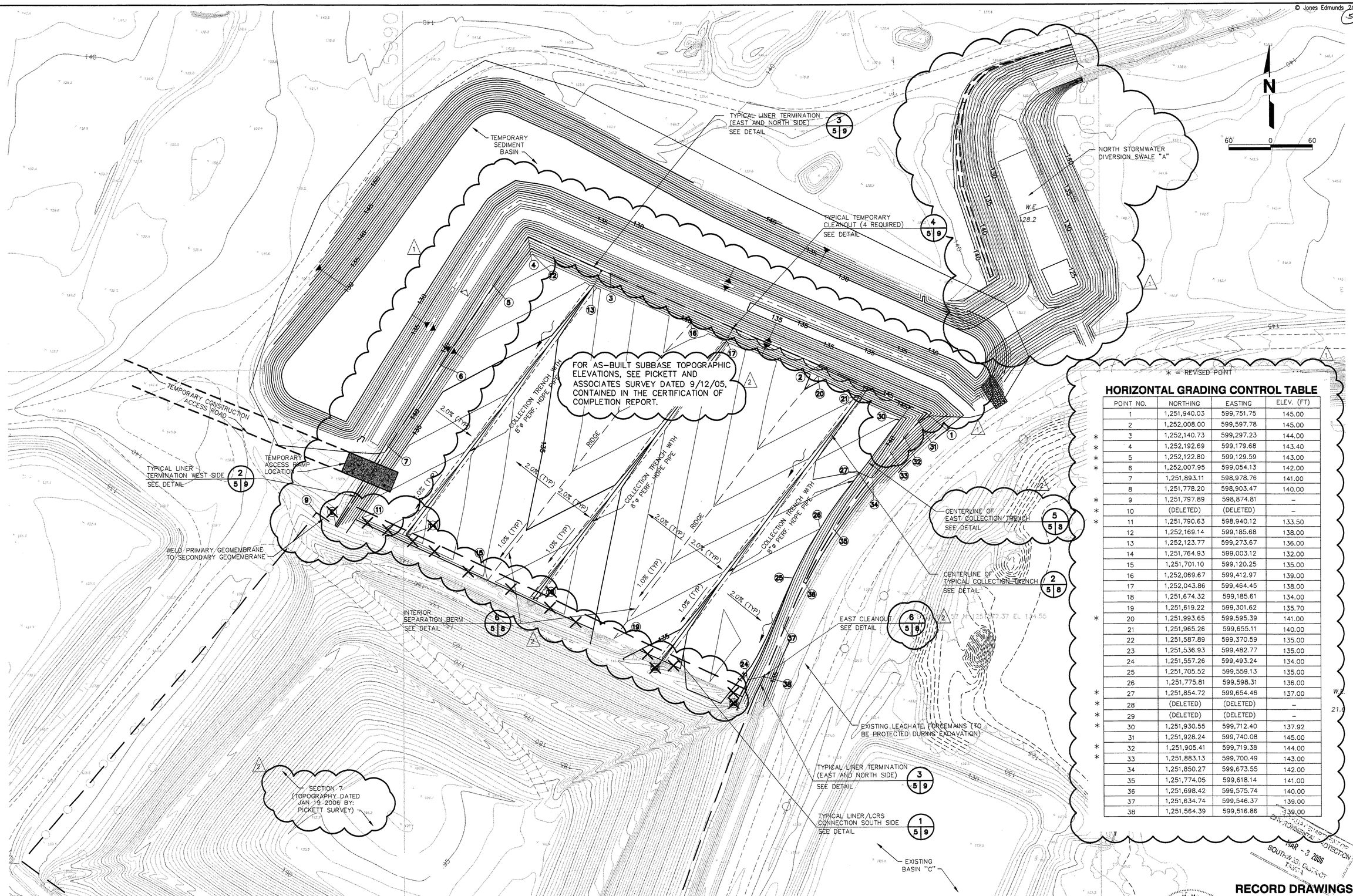
HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
BACKFILL PLAN
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION #3814
APPROVED BY
JOSEPH H. O'NEILL P.E.
P.E. # 052049

DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	4

Edited: 00/00/00 0:00 login \\Tpa-srv\Drafting\08449 Hillsborough County\020-SELF Section 8\Certification Drawings\0844902001-C-04-fill2.dwg Plotted: 3/02/06 6:58am rdemint



* = REVISED POINT

HORIZONTAL GRADING CONTROL TABLE

	POINT NO.	NORTHING	EASTING	ELEV. (FT)
	1	1,251,940.03	599,751.75	145.00
	2	1,252,008.00	599,597.78	145.00
*	3	1,252,140.73	599,297.23	144.00
*	4	1,252,192.69	599,179.68	143.40
*	5	1,252,122.80	599,129.59	143.00
*	6	1,252,007.95	599,054.13	142.00
	7	1,251,893.11	598,978.76	141.00
	8	1,251,778.20	598,903.47	140.00
*	9	1,251,797.89	598,874.81	–
*	10	(DELETED)	(DELETED)	–
*	11	1,251,790.63	598,940.12	133.50
	12	1,252,169.14	599,185.68	138.00
	13	1,252,123.77	599,273.67	136.00
	14	1,251,764.93	599,003.12	132.00
	15	1,251,701.10	599,120.25	135.00
	16	1,252,069.67	599,412.97	139.00
	17	1,252,043.86	599,464.45	138.00
	18	1,251,674.32	599,185.61	134.00
	19	1,251,619.22	599,301.62	135.70
*	20	1,251,993.65	599,595.39	141.00
	21	1,251,965.26	599,655.11	140.00
	22	1,251,587.89	599,370.59	135.00
	23	1,251,536.93	599,482.77	135.00
	24	1,251,557.26	599,493.24	134.00
	25	1,251,705.52	599,559.13	135.00
	26	1,251,775.81	599,598.31	136.00
*	27	1,251,854.72	599,654.46	137.00
*	28	(DELETED)	(DELETED)	–
*	29	(DELETED)	(DELETED)	–
*	30	1,251,930.55	599,712.40	137.92
	31	1,251,928.24	599,740.08	145.00
*	32	1,251,905.41	599,719.38	144.00
*	33	1,251,883.13	599,700.49	143.00
	34	1,251,850.27	599,673.55	142.00
	35	1,251,774.05	599,618.14	141.00
	36	1,251,698.42	599,575.74	140.00
	37	1,251,634.74	599,546.37	139.00
	38	1,251,564.39	599,516.86	139.00

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISION –ALIGNMENT OF TOP OF BERM MODIFIED; NORTH SWALE MODIFIED; GRADING POINTS MODIFIED		
2	2/28/06	RECORD DRAWING TOPOGRAPHY MODIFIED	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

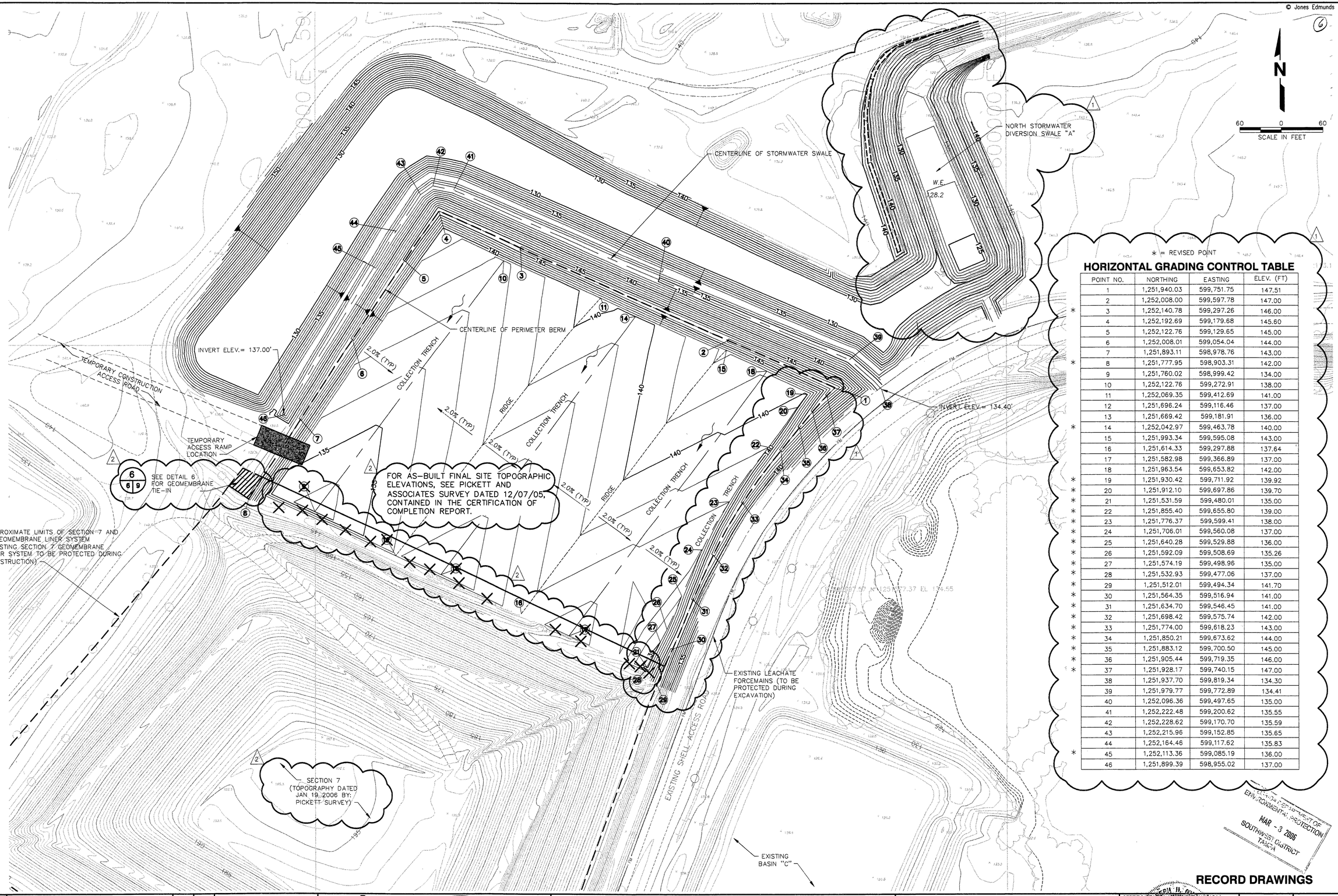
JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
LCR GRADING PLAN (TOP OF CLAY SUBBASE)
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY: AS NOTED 3/2/06
JOSEPH J. O'NEILL P.E.
P.E. # 052049

DATE 2/28/06
PROJECT NO. 08449-020-01
SCALE AS SHOWN
DWG. NO. 5



* = REVISED POINT

HORIZONTAL GRADING CONTROL TABLE

	POINT NO.	NORTHING	EASTING	ELEV. (FT)
	1	1,251,940.03	599,751.75	147.51
	2	1,252,008.00	599,597.78	147.00
*	3	1,252,140.78	599,297.26	146.00
	4	1,252,192.69	599,179.68	145.60
	5	1,252,122.76	599,129.65	145.00
	6	1,252,008.01	599,054.04	144.00
	7	1,251,893.11	598,978.76	143.00
*	8	1,251,777.95	598,903.31	142.00
	9	1,251,760.02	598,999.42	134.00
	10	1,252,122.76	599,272.91	138.00
	11	1,252,069.35	599,412.69	141.00
	12	1,251,696.24	599,116.46	137.00
	13	1,251,669.42	599,181.91	136.00
*	14	1,252,042.97	599,463.78	140.00
	15	1,251,993.34	599,595.08	143.00
	16	1,251,614.33	599,297.88	137.64
	17	1,251,582.98	599,366.89	137.00
	18	1,251,963.54	599,653.82	142.00
*	19	1,251,930.42	599,711.92	139.92
*	20	1,251,912.10	599,697.86	139.70
*	21	1,251,531.59	599,480.01	135.00
*	22	1,251,855.40	599,655.80	139.00
*	23	1,251,776.37	599,599.41	138.00
*	24	1,251,706.01	599,560.08	137.00
*	25	1,251,640.28	599,529.88	136.00
*	26	1,251,592.09	599,508.69	135.26
*	27	1,251,574.19	599,498.96	135.00
*	28	1,251,532.93	599,477.06	137.00
*	29	1,251,512.01	599,494.34	141.70
*	30	1,251,564.35	599,516.94	141.00
*	31	1,251,634.70	599,546.45	141.00
*	32	1,251,698.42	599,575.74	142.00
*	33	1,251,774.00	599,618.23	143.00
*	34	1,251,850.21	599,673.62	144.00
*	35	1,251,883.12	599,700.50	145.00
*	36	1,251,905.44	599,719.35	146.00
*	37	1,251,928.17	599,740.15	147.00
	38	1,251,937.70	599,819.34	134.30
	39	1,251,979.77	599,772.89	134.41
	40	1,252,096.36	599,497.65	135.00
	41	1,252,222.48	599,200.62	135.55
	42	1,252,228.62	599,170.70	135.59
	43	1,252,215.96	599,152.85	135.65
	44	1,252,164.46	599,117.62	135.83
*	45	1,252,113.36	599,085.19	136.00
	46	1,251,899.39	598,955.02	137.00

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISION – ALIGNMENT OF TOP OF BERM		
		MODIFIED; NORTH SWALE MODIFIED; GRADING POINTS MODIFIED		
2	2/28/06	RECORD DRAWING EXCESS GEOMEMBRANE		
		REMOVED FROM SECTION 7 AND TOPOGRAPHY MODIFIED	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

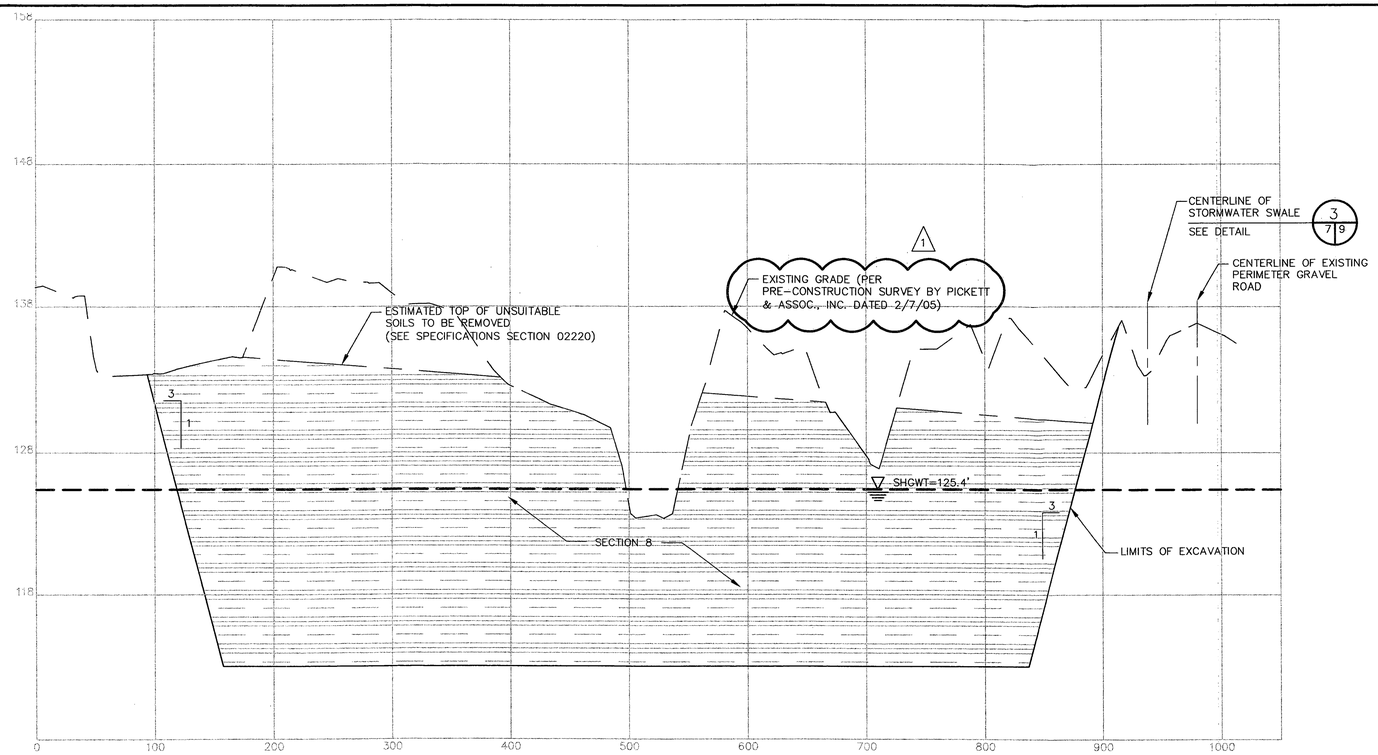
JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

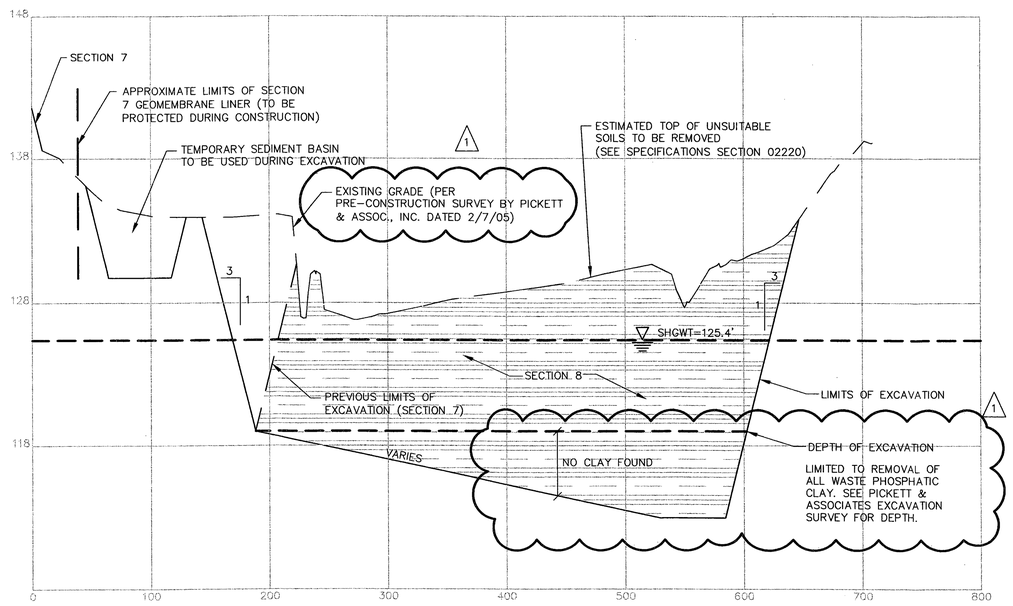
SECTION 8 CAPACITY EXPANSION
TOP OF PROTECTIVE LAYER GRADING PLAN
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY: JOSEPH H. O'NEILL P.E. P.E. # 052045 2/28/06

DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	6



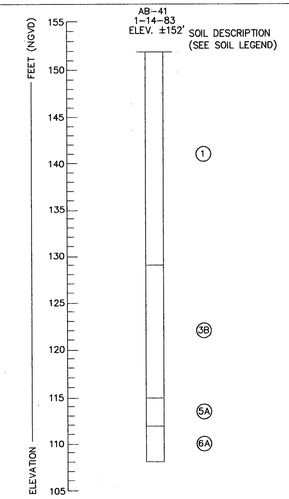
EXCAVATION SECTION A 3/7
SCALE 1" = 60' HORIZ
1" = 5' VERT



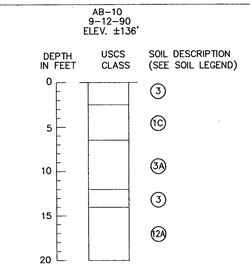
EXCAVATION SECTION B 3/7
SCALE 1" = 60' HORIZ
1" = 5' VERT

SOIL LEGEND

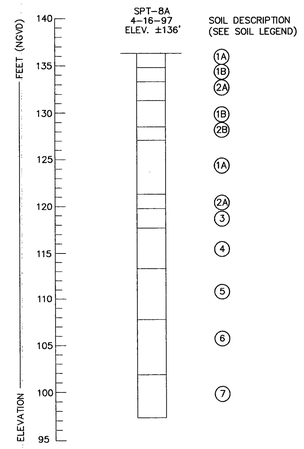
1	SAND TAILINGS	5	LIGHT BROWN SAND WITH SILT TO SILTY SAND OCCASIONALLY CEMENTED (SP-SM TO SM)
1A	GRAYISH BROWN SAND WITH SILT TO SILTY SAND WITH CLAY (SP-SM TO SM-SC) TAILING SAND	5A	LIGHT TO DARK GRAY SLIGHTLY SILTY TO SILTY FINE SANDS WITH OCCASIONAL TRACES OF ROOTS AND OTHER ORGANIC MATTER
1B	GRAYISH BROWN CLAYEY SAND (SC) TAILING SAND AND PHOSPHATIC WASTE CLAY MIX	6	GRAY SAND WITH CEMENTED SAND PARTICLES (SP)
1C	BROWN SAND	6A	LIGHT TO DARK BROWN SLIGHTLY SILTY TO SILTY FINE SANDS WITH OCCASIONAL SEAMS OF CEMENTED SANDS (HARDPAN)
2A	GREENISH GRAY PHOSPHATIC WASTE CLAY (CH)	7	GRAY SANDY CLAY WITH PHOSPHATE (CH)
2B	GREENISH GRAY SANDY PHOSPHATIC WASTE CLAY (CH-CL) PHOSPHATIC WASTE CLAY AND TAILING SAND MIX	9	GRAY CLAYEY SAND WITH PHOSPHATE (SC)
3	BROWNISH GRAY SAND WITH SILT (SP-SM)	10	LIGHT BROWN CLAYEY SAND WITH SILT AND PHOSPHATE, CEMENTED (SC)
3A	DARK BROWN SAND WITH SILT AND GRAY CLAY LAYER	12	GRAY CLAYEY SAND (SC)
3B	SAND TAILINGS MIXED WITH WASTE PHOSPHATIC CLAYS	12A	BROWN AND ORANGISH-BROWN CLAYEY SAND
4	DARK BROWN SILTY SAND (SM) HARD PAN		



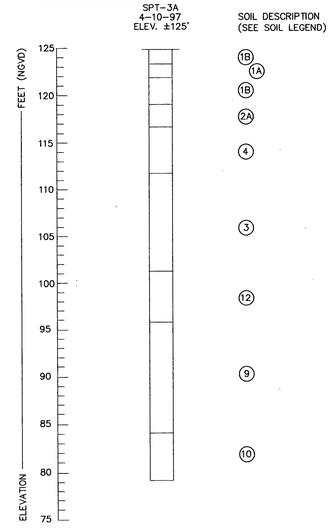
BORING PROFILE
AUGER BORING (AB-41)
NTS



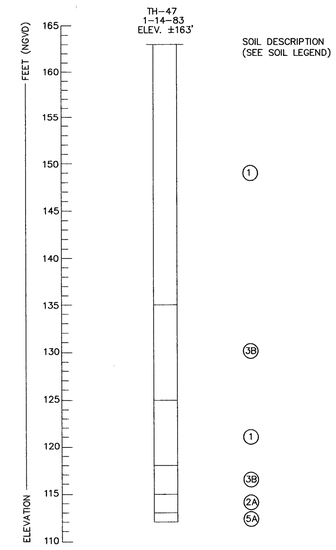
BORING PROFILE
AUGER BORING (AB-10)
NTS



BORING PROFILE
STANDARD PENETRATION TEST (SPT-8A)
NTS



BORING PROFILE
STANDARD PENETRATION TEST (SPT-3A)
NTS



BORING PROFILE
STANDARD PENETRATION TEST (TH-47)
NTS

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISION – EXCAVATION DEPTH MODIFIED; EXISTING TOPOGRAPHY INSERTED		

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

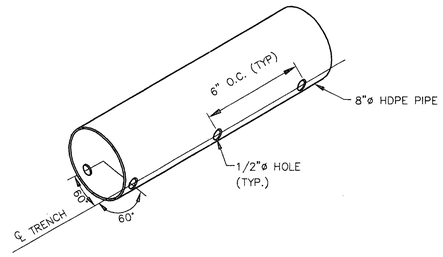
JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
SECTIONS & SOIL BORING PROFILES
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY
STATE OF FLORIDA
JOSEPH P. O'NEILL, P.E.
P.E. # 052049

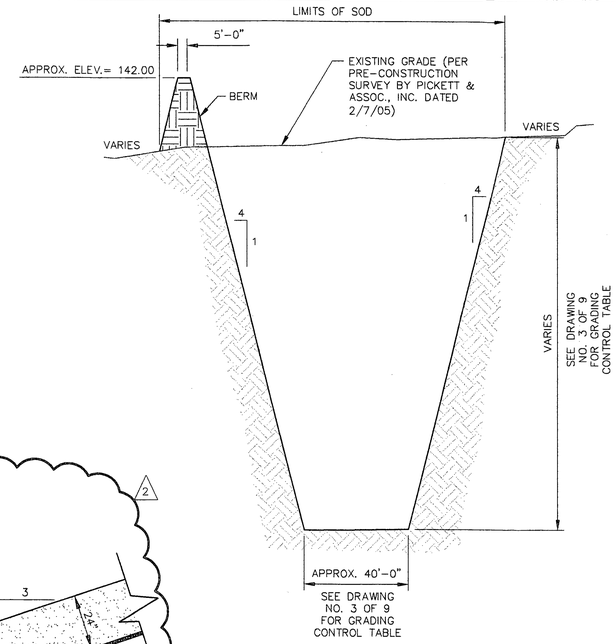
DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	7



NOTE: CONTRACTOR SHALL PLACE PERFORATED PIPE AS SHOWN (HOLES TOWARDS BOTTOM OF TRENCH).

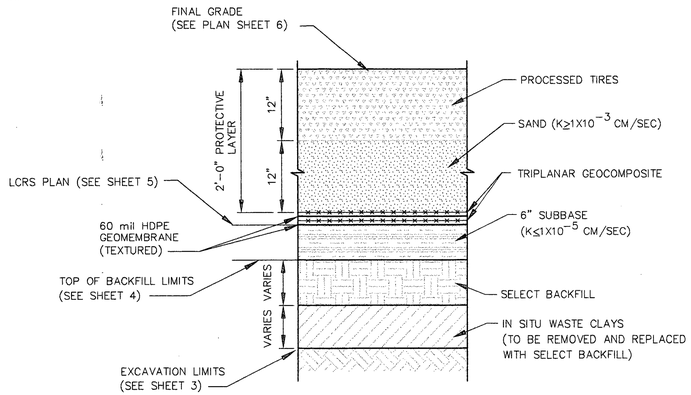
PIPE PERFORATION DETAIL 4 | 8 8

NOT TO SCALE



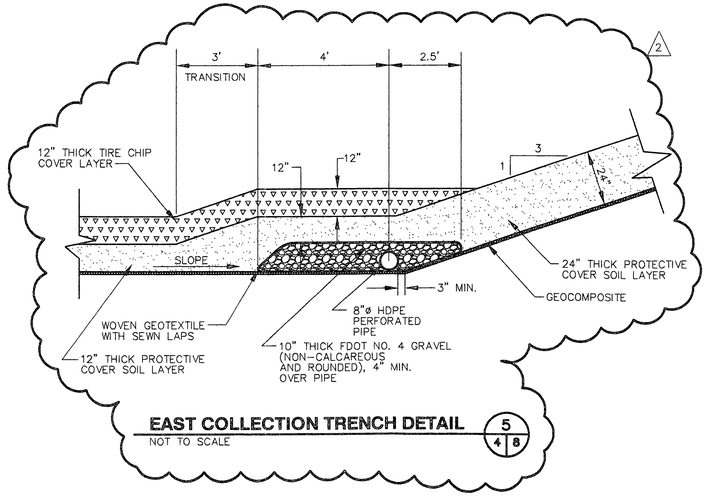
NORTH STORMWATER DIVERSION SWALE "A" DETAIL 3 | 3 8

NOT TO SCALE



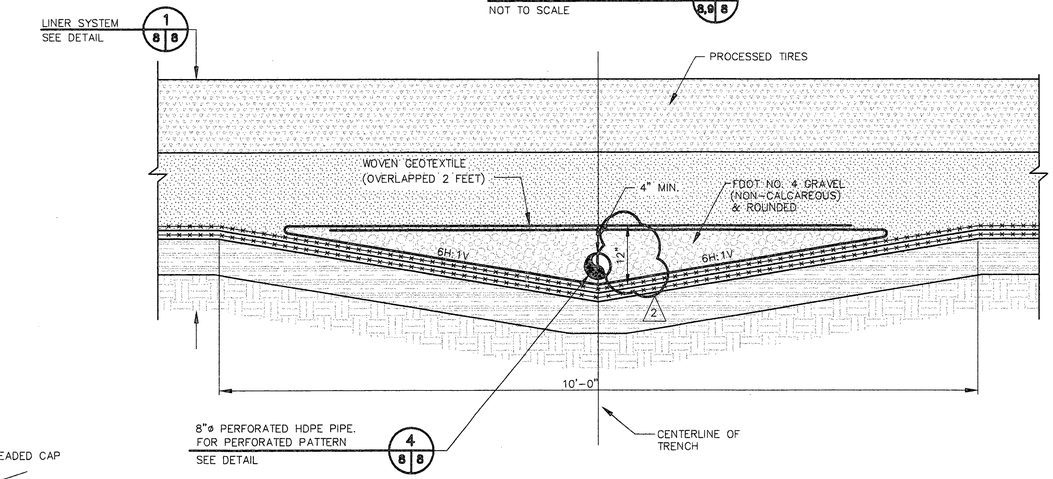
LINER SYSTEM DETAIL 1 | 8,9 8

NOT TO SCALE



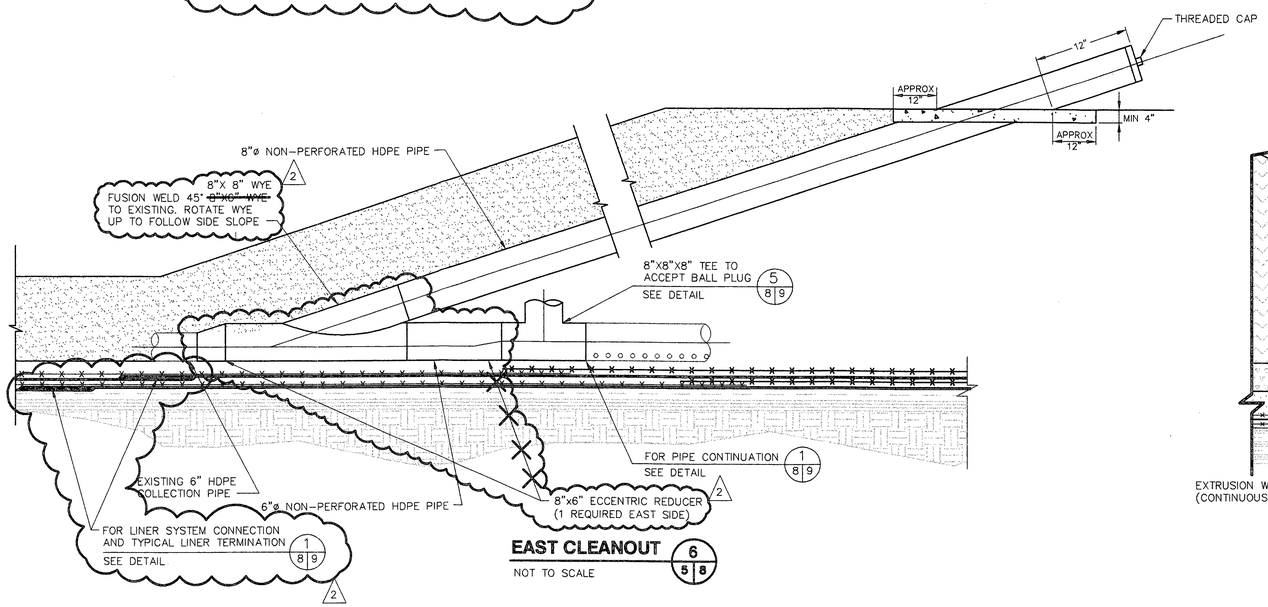
EAST COLLECTION TRENCH DETAIL 5 | 4 8

NOT TO SCALE



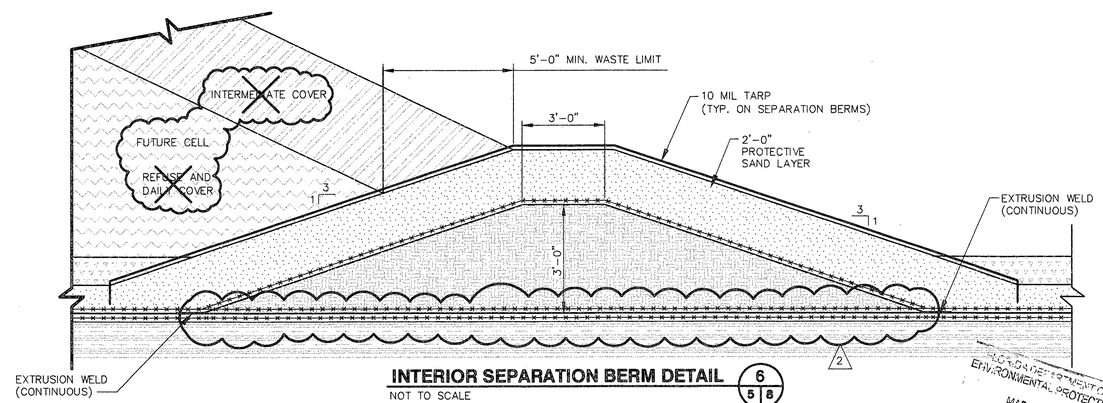
TYPICAL COLLECTION TRENCH DETAIL 2 | 4 8

NOT TO SCALE



EAST CLEANOUT 6 | 5 8

NOT TO SCALE



INTERIOR SEPARATION BERM DETAIL 6 | 5 8

NOT TO SCALE

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISIONS – NORTH SWALE MODIFIED		
2	2/28/06	EAST COLLECTION TRENCH DETAIL ADDED;		
		ADDITIONAL ROCK PLACED OVER PIPES;		
		8x8 WYE ADDED; GEOCOMPOSITE ADDED	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

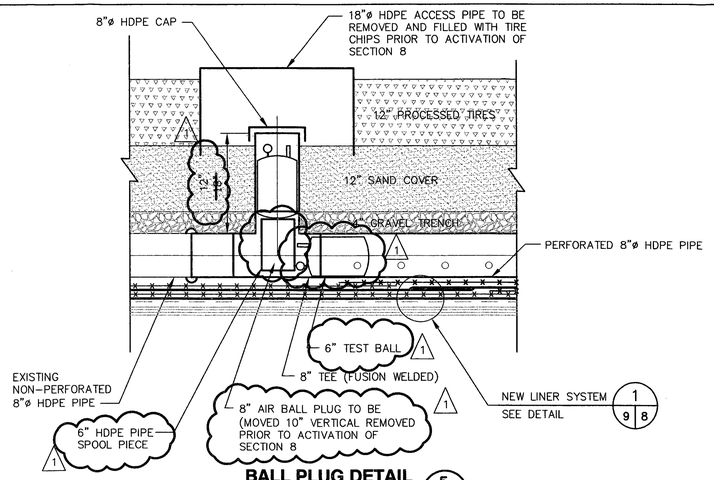
JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
DETAILS -1
CONSTRUCTION DRAWINGS

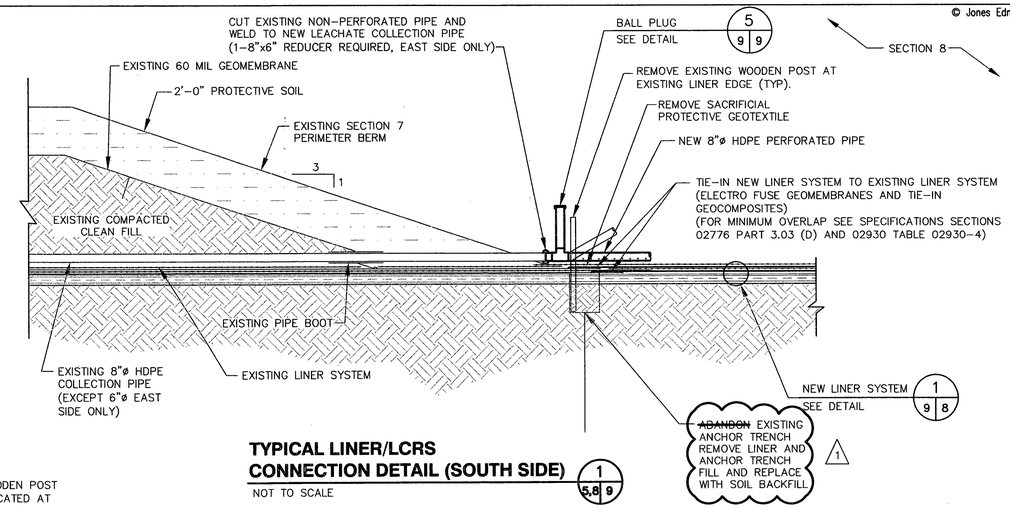
CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY 3/3/06
JOSEPH H. O'NEILL, P.E.
P.E. # 052049, FLORIDA LICENSED PROFESSIONAL ENGINEER

DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	8



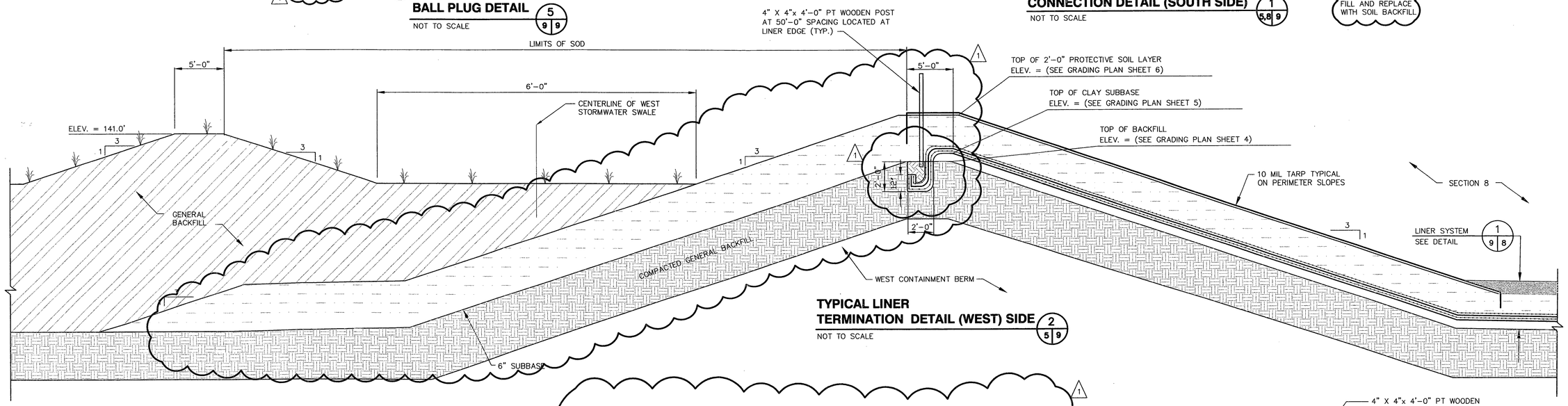
BALL PLUG DETAIL 5 / 9 9

NOT TO SCALE



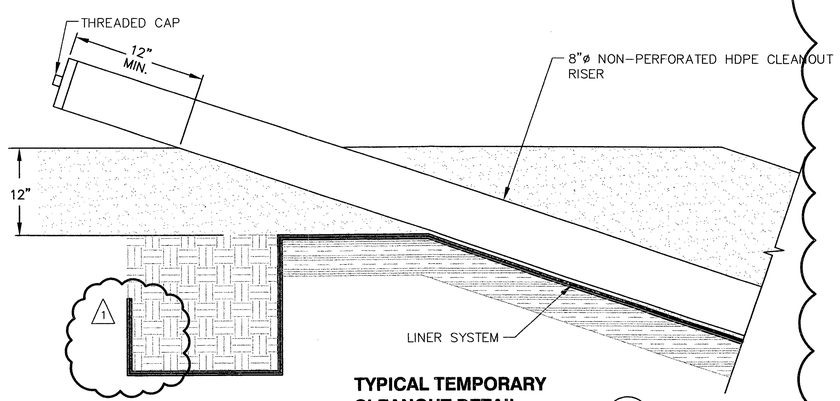
TYPICAL LINER/LCRS CONNECTION DETAIL (SOUTH SIDE) 1 / 5,8 9

NOT TO SCALE



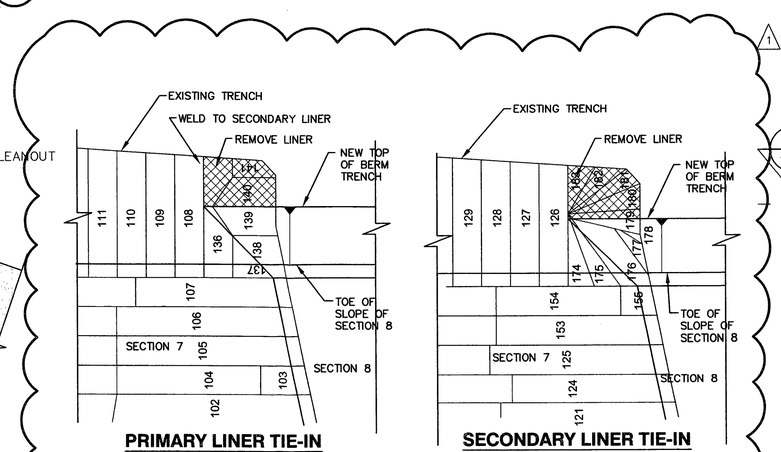
TYPICAL LINER TERMINATION DETAIL (WEST) SIDE 2 / 5 9

NOT TO SCALE



TYPICAL TEMPORARY CLEANOUT DETAIL 4 / 5 9

NOT TO SCALE



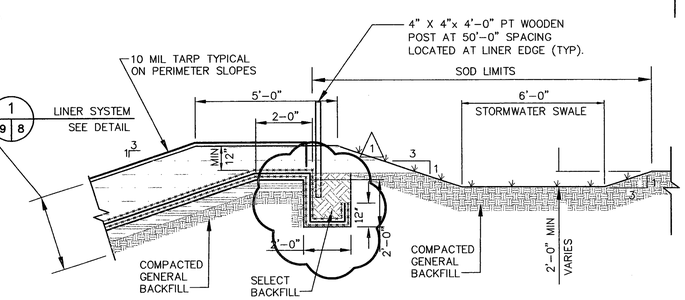
PRIMARY LINER TIE-IN

NOT TO SCALE

SECONDARY LINER TIE-IN

NOT TO SCALE

GEOMEMBRANE TIE-IN DETAIL 6 / 6 9



TYPICAL LINER TERMINATION DETAIL (NORTH, EAST & WEST) SIDE 3 / 3,5,7 9

NOT TO SCALE

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1	2/28/06	PLUG VALVE PLACEMENT CHANGED; ADDITIONAL MATERIAL ADDED TO ANCHOR TRENCH; GEOMEMBRANE REMOVED FROM WEST BERM; EXCESS GEOMEMBRANE REMOVED FROM SECTION 7	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
DETAILS - 2
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY JOSEPH H. O'NEILL, P.E. P.E. #052049 3/2/06

DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	9

RECEIVED MAR - 3 2006 SOUTHWEST DISTRICT TAMPA

Plotted: 2/28/06 5:26pm rdemint

N:\08449 Hillsborough County\020-SELF Section 8\Certification Drawings\0844902001-C-09-Det2a.DWG

Edited: 00/00/00 0:00 login

(10)

SOUTHEAST COUNTY LANDFILL

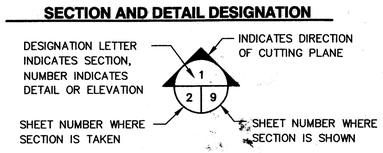
SECTION 8
CAPACITY EXPANSION
CONSTRUCTION DRAWINGS

FEBRUARY 28, 2006

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT

TAMPA, FLORIDA

SECTION AND DETAIL DESIGNATION

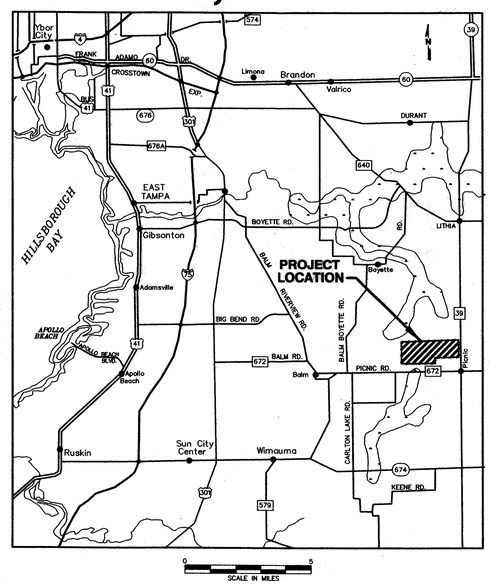


LEGEND

- SHEET FLOW DRAINAGE DIRECTION
- CONCENTRATED DRAINAGE FLOW DIRECTION
- FILL PROGRESSION
- DAILY PROGRESSION
- ZONE/PHASE BOUNDARY
- CENTERLINE OF SWALE
- CENTERLINE OF TEMPORARY SWALE
- 55 — EXISTING CONTOUR
- 55 — PROPOSED CONTOUR
- 55 — PROJECTED EXISTING CONTOUR
- REINFORCED CONCRETE PIPE
- DOWNCHUTE
- LIMITS OF EXCAVATION OF ORGANIC MATERIAL
- PROPERTY LINE
- FENCELINE
- LFG-1 △ LANDFILL GAS MONITORING WELL
- PP EXISTING POWER POLE
- MW-6A EXISTING GROUNDWATER MONITORING WELL
- PMW-10 PROPOSED GROUNDWATER MONITORING WELL
- SB-1 SOIL BORING
- VEGETATION

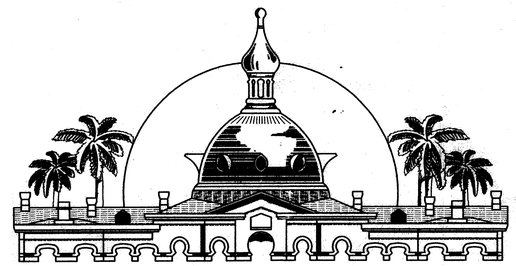
ABBREVIATIONS

APPROX.	APPROXIMATE
CTRD	CENTERED
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
ELEV.	ELEVATION
I.E.	INVERT ELEVATION
LF	LINEAR FEET
EXIST.	EXISTING
SCH.	SCHEDULE
TYP.	TYPICAL
ø	DIAMETER
CONC.	CONCRETE
W/	WITH
CMP	CORRUGATED METAL PIPE
MIN.	MINIMUM
MAX.	MAXIMUM
HDPE	HIGH DENSITY POLYETHYLENE
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
NO.	NUMBER



LOCATION MAP

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

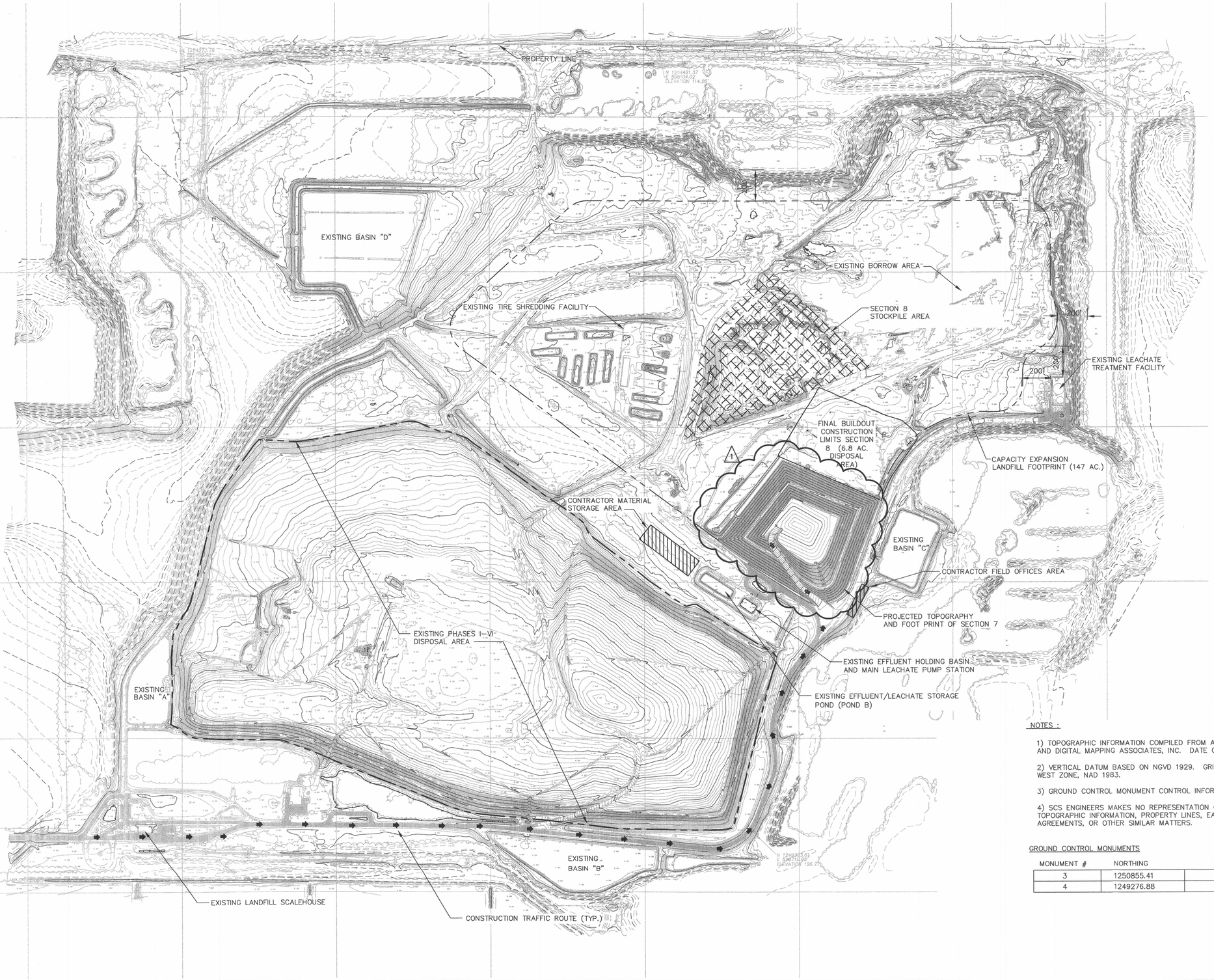


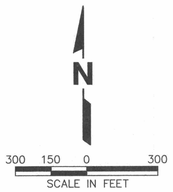
BOARD OF COUNTY COMMISSIONERS

KATHY CASTOR, Commissioner
KEN HAGAN, Commissioner
THOMAS SCOTT, Commissioner
RONDA STORMS, Commissioner
JIM NORMAN, Commissioner
PAT FRANK, Commissioner
JAN PLATT, Commissioner

RECORD DRAWINGS
JONES EDMUNDS HAS PREPARED THESE RECORD DRAWINGS BASED UPON INFORMATION SUPPLIED BY THE CONTRACTOR DURING THE CONSTRUCTION OF THE PROJECT. THE ORIGINAL DESIGN DRAWINGS WERE PREPARED BY SCS ENGINEERS. JONES EDMUNDS REVIEW OF THE RECORD DRAWINGS INDICATES THAT THE CONSTRUCTION WAS COMPLETED AS PER THE ORIGINAL DESIGN.

(11)





NOTES :

1) TOPOGRAPHIC INFORMATION COMPILED FROM AERIAL PHOTOGRAPHY BY LANDAIR AERIAL SURVEYING AND DIGITAL MAPPING ASSOCIATES, INC. DATE OF AERIAL PHOTOGRAPHY JULY 7, 2002.

2) VERTICAL DATUM BASED ON NGVD 1929. GRID BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD 1983.

3) GROUND CONTROL MONUMENT CONTROL INFORMATION PROVIDED BY RED MAN CONSULTANTS INC.

4) SCS ENGINEERS MAKES NO REPRESENTATION OR GUARANTEES PERTAINING TO THE ACCURACY OF TOPOGRAPHIC INFORMATION, PROPERTY LINES, EASEMENTS, RIGHT–OF–WAYS, SETBACKS, RESERVATIONS, AGREEMENTS, OR OTHER SIMILAR MATTERS.

GROUND CONTROL MONUMENTS

MONUMENT #	NORTHING	EASTING	ELEV.
3	1250855.41	598998.83	137.56
4	1249276.88	598535.88	129.88

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1	2/28/06	RECORD DRAWING ADDITIONS / REVISIONS	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

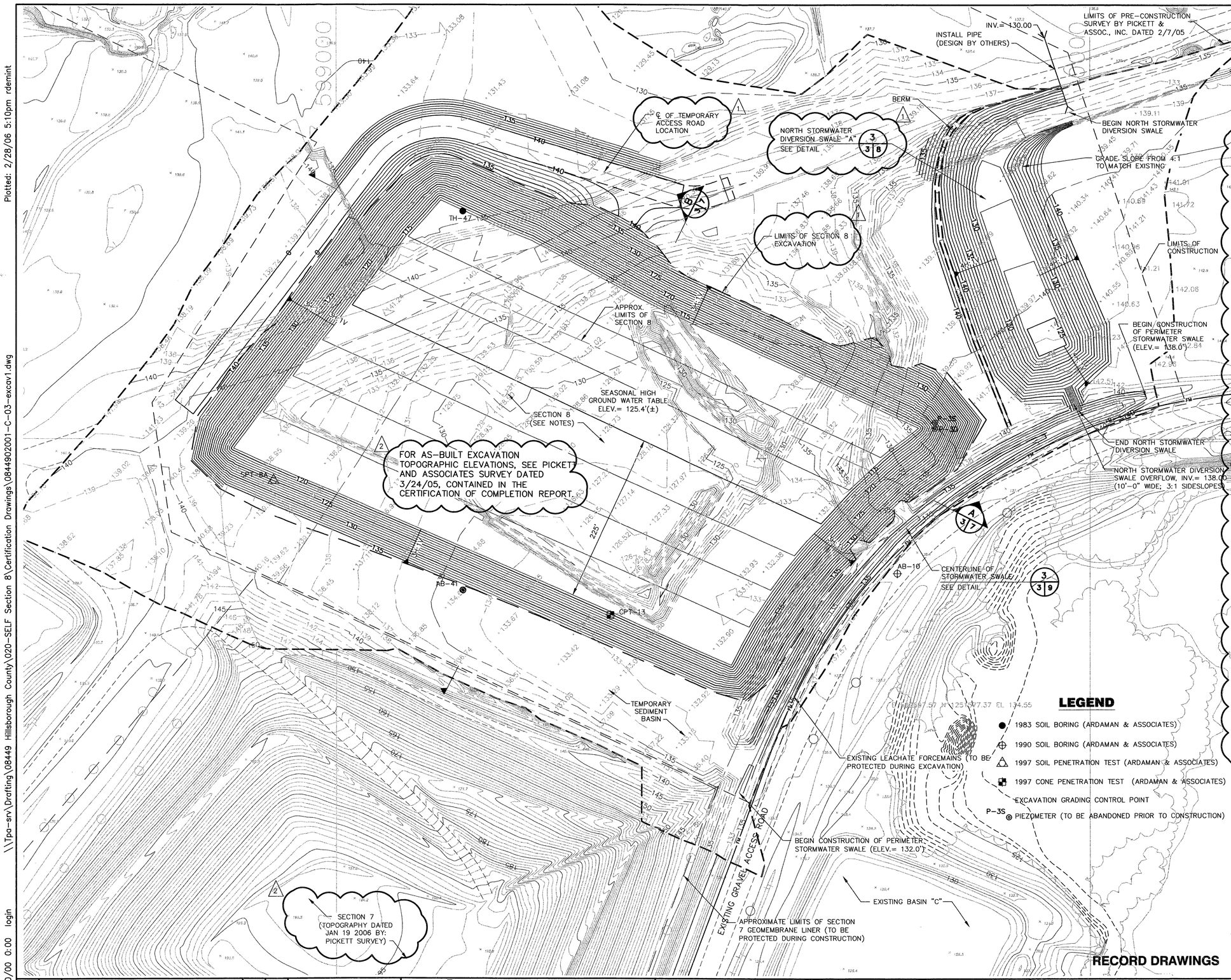
JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
FACILITY SITE PLAN & EXISTING TOPOGRAPHY
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY: 3/6/06
JOSEPH P. O'NEILL P.E.
P.E. # 052049

DATE	PROJECT NO.
2/28/06	08449–020–01
SCALE	DWG. NO.
AS SHOWN	2



RECORD DRAWINGS

HORIZONTAL GRADING CONTROL TABLE			
POINT NO.	NORTHING	EASTING	ELEV. (FT)
1	1252430.52	599972.57	130.00
2	1252315.59	599895.77	127.00
3	1252017.44	599893.09	141.00
4	1252039.52	599901.74	–
5	1252016.46	599783.82	113.00
6	1252388.42	599123.20	–
7	1252320.28	599136.93	113.00
8	1251956.74	598775.47	–
9	1251987.41	598863.64	119.00
10	1251904.20	598864.93	132.00
11	1251866.46	598836.27	132.00
12	1251631.14	599507.80	129.00
13	1251573.14	599482.29	129.00
14	1251645.19	599553.65	–
15	1251701.92	599523.71	119.00
16	1251752.23	599547.41	118.00
17	1251799.86	599576.19	117.00
18	1251845.67	599607.59	116.00
19	1251888.54	599642.96	115.00
20	1251817.79	598999.83	131.00
21	1251753.69	599147.74	130.00
22	1251691.64	599289.65	129.00
23	1251533.28	599534.24	132.00
24	1251569.30	599550.24	132.00
25	1251747.05	599641.67	133.00
26	1251897.27	599772.82	134.00
27	1252004.65	599940.82	135.00
28	1252054.20	600074.87	138.00
29	1251888.54	599642.96	114.00
30	1251888.54	599642.96	113.00
31	1252298.10	599854.83	127.00
32	1252128.12	599848.02	142.00
33	1252160.54	599953.35	125.00
34	1252145.21	599916.66	125.00
35	1252123.61	599968.77	125.00
36	1252108.46	599932.46	125.00
37	1252037.73	599984.28	138.00
38	1252329.67	599523.86	138.89
39	1252320.58	599449.74	140.00
40	1252405.86	599173.44	140.00
41	1252367.52	599050.48	140.00
42	1252041.43	598798.32	140.00
43	1252262.76	599802.72	142.00
44	1252323.82	599797.42	141.00
45	1252384.10	599806.16	140.00
46	1252430.98	599844.03	139.00
47	1252366.77	599857.32	128.00
48	1252357.64	599880.68	128.00
49	1252418.19	599902.71	129.00
50	1252396.34	599914.99	129.00
E 51	1252022.25	599891.07	141.00

NOTES:

1. EXCAVATION CONTOURS ASSUME A CONTIGUOUS PHOSPHATIC CLAY LAYER. THE BOTTOM OF PHOSPHATIC CLAY SHALL BE FIELD-VERIFIED, THEREFORE EXCAVATION LIMITS, ELEVATIONS AND GRADING CONTROL ARE SUPPLIED FOR REFERENCE ONLY.
2. THE EXCAVATED SOILS CANNOT BE USED AS BACKFILL AND MUST BE STOCKPILED.
3. EXISTING TOPOGRAPHY COMPILED FROM AERIAL SURVEY BY PICKETT AERIAL SURVEYS FOR WASTE MANAGEMENT INC, OF FLORIDA DATED JULY 5, 2004 AND (WERE INDICATED) FROM PRE-CONSTRUCTION FIELD SURVEY BY PICKETT AND ASSOC., INC. DATED FEBRUARY 7, 2005.
4. NORTH STORMWATER DIVERSION SWALE, STORMWATER SWALE AND SEDIMENT BASIN TO BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF EXCAVATION.
5. SEE DRAWING NO. 7 OF 9 FOR EXISTING SOIL BORING PROFILES.

INSCRIBED INTO OCULUS 571175 MAY 05 2011 INITIALS

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT TAMPA MAR - 3 2006

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISION – ALIGNMENT OF ROAD CHANGED; TOPOGRAPHIC SURVEY INSERTED, NORTH SWALE MODIFIED; EXCAVATION MODIFIED		
2	2/28/06	RECORD DRAWING ADDITIONS / TOPOGRAPHY REVISIONS	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

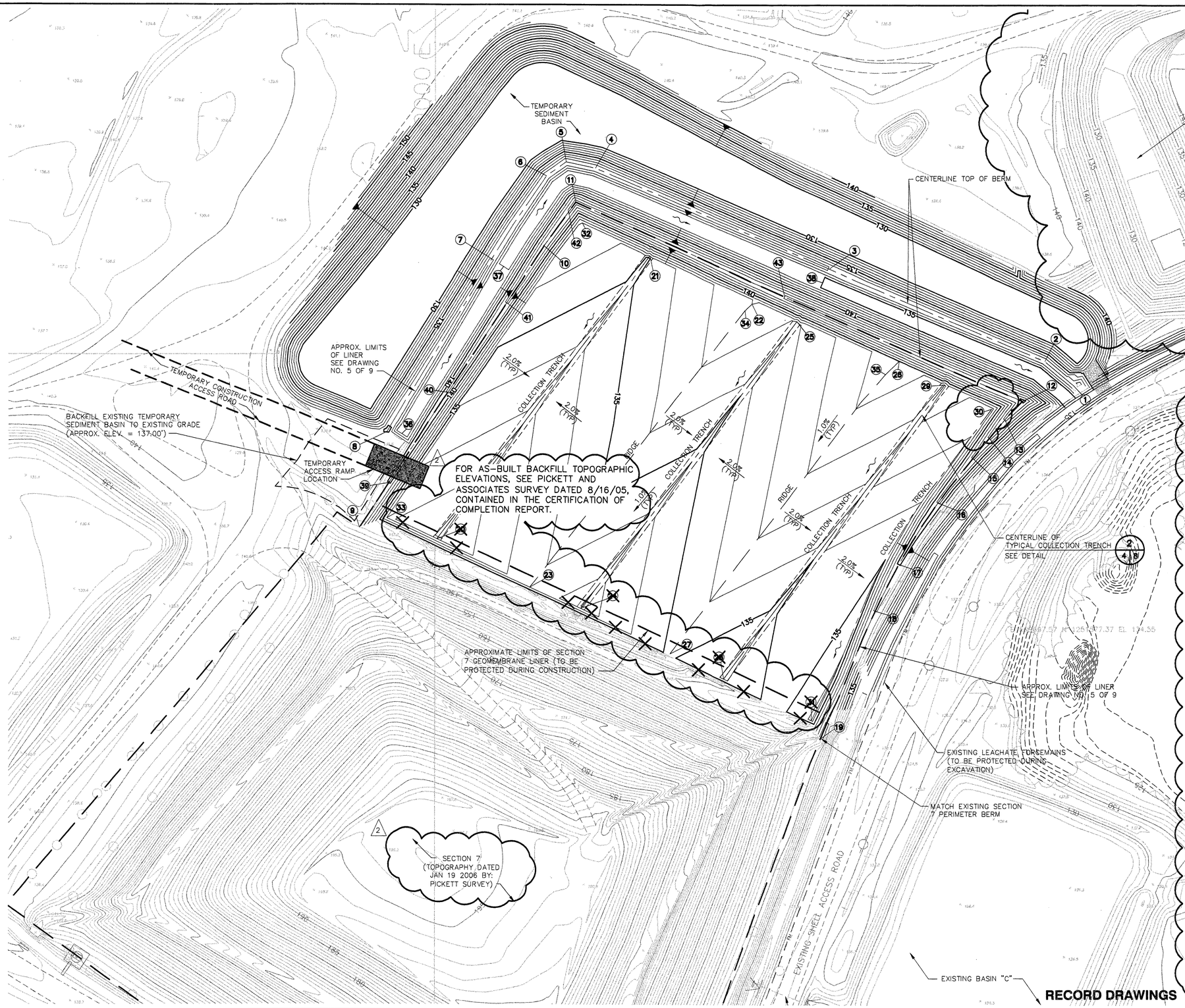
JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
EXCAVATION PLAN
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION 11814
APPROVED BY MA 53049
JOSEPH H. POWELL, P.E.
P.E. # 052049

DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	3



* = REVISED POINT

HORIZONTAL GRADING CONTROL TABLE

	POINT NO.	NORTHING	EASTING	ELEV. (FT)
	1	1,251,961.78	599,816.59	137.00
*	2	1,251,992.30	599,780.60	137.41
*	3	1,252,109.21	599,504.61	138.00
*	4	1,252,236.43	599,204.97	138.55
	5	1,252,244.14	599,167.44	138.59
*	6	1,252,226.32	599,142.31	138.64
	7	1,252,120.57	599,072.37	139.00
	8	1,251,900.62	598,938.75	140.00
	9	1,251,778.20	598,903.47	139.50
	10	1,252,137.25	599,139.32	142.63
	11	1,252,192.69	599,179.68	143.11
	12	1,251,940.06	599,751.92	145.00
*	13	1,251,916.78	599,729.35	144.00
*	14	1,251,894.18	599,709.65	143.00
	15	1,251,868.74	599,688.70	142.00
	16	1,251,812.41	599,644.24	141.00
	17	1,251,733.39	599,593.88	140.00
	18	1,251,673.31	599,563.79	139.00
	19	1,251,512.01	599,494.34	139.20
	20	1,251,764.42	599,002.74	132.00
	21	1,252,124.93	599,274.54	136.00
	22	1,252,064.94	599,405.75	138.00
	23	1,251,702.59	599,121.40	134.00
	24	1,251,675.58	599,186.56	133.00
	25	1,252,043.04	599,463.33	137.00
*	26	1,251,992.54	599,594.27	140.00
	27	1,251,618.07	599,300.73	135.18
*	28	1,251,586.97	599,369.90	134.00
	29	1,251,961.97	599,652.63	138.00
*	30	1,251,930.57	599,712.54	137.42
*	31	1,251,534.93	599,481.73	134.00
	32	1,252,166.49	599,188.08	137.00
*	33	1,251,791.02	598,938.47	133.00
	34	1,252,056.84	599,396.86	137.85
	35	1,251,975.34	599,576.84	139.51
	36	1,251,897.76	598,957.73	137.00
	37	1,252,110.97	599,087.74	136.00
	38	1,252,092.66	599,496.22	135.00
	39	1,251,835.65	598,941.12	140.00
	40	1,251,950.56	599,016.40	141.00
	41	1,252,065.47	599,091.69	142.00
*	42	1,252,180.30	599,170.42	143.00
*	43	1,252,074.42	599,447.53	144.00
*	44	(DELETED)	(DELETED)	–

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISION – REGRADE OF SLOPE, RIPRAP OVERFLOW REMOVED, GRADING POINTS MODIFIED	JHV	JHO
2	2/28/06	RECORD DRAWING – OMISSIONS AND TOPOGRAPHY MODIFIED		

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

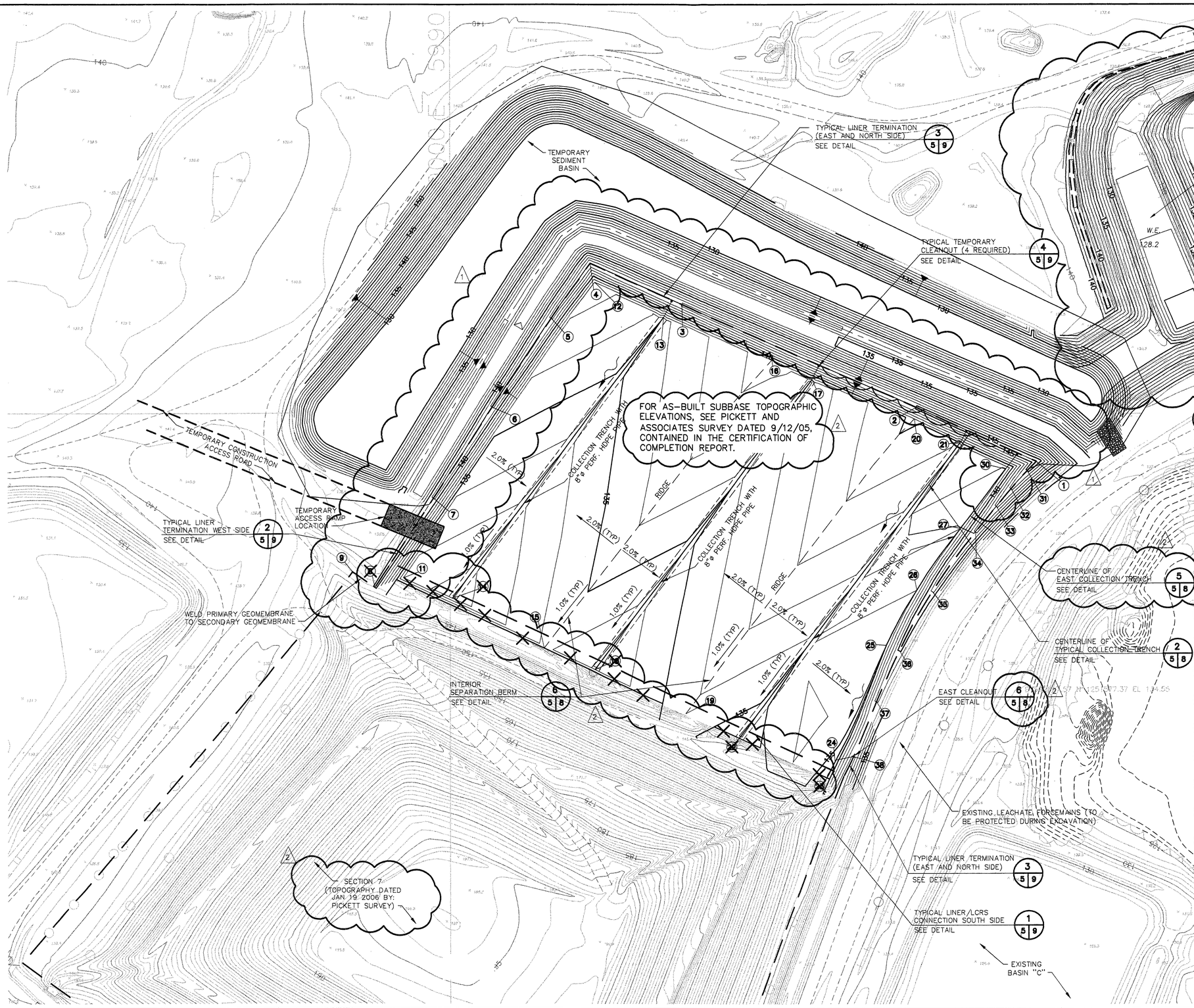
HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
BACKFILL PLAN
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY: STATE OF FLORIDA NO. 52049 3/4/06 JOSEPH HOFFNEILL, P.E.
P.E. # 052049

DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	4

(14)



* = REVISED POINT

HORIZONTAL GRADING CONTROL TABLE

	POINT NO.	NORTHING	EASTING	ELEV. (FT)
	1	1,251,940.03	599,751.75	145.00
	2	1,252,008.00	599,597.78	145.00
*	3	1,252,140.73	599,297.23	144.00
*	4	1,252,192.69	599,179.68	143.40
*	5	1,252,122.80	599,129.59	143.00
*	6	1,252,007.95	599,054.13	142.00
	7	1,251,893.11	598,978.76	141.00
	8	1,251,778.20	598,903.47	140.00
*	9	1,251,797.89	598,874.81	–
*	10	(DELETED)	(DELETED)	–
*	11	1,251,790.63	598,940.12	133.50
	12	1,252,169.14	599,185.68	138.00
	13	1,252,123.77	599,273.67	136.00
	14	1,251,764.93	599,003.12	132.00
	15	1,251,701.10	599,120.25	135.00
	16	1,252,069.67	599,412.97	139.00
	17	1,252,043.86	599,464.45	138.00
	18	1,251,674.32	599,185.61	134.00
	19	1,251,619.22	599,301.62	135.70
*	20	1,251,993.65	599,595.39	141.00
	21	1,251,965.26	599,655.11	140.00
	22	1,251,587.89	599,370.59	135.00
	23	1,251,536.93	599,482.77	135.00
	24	1,251,557.26	599,493.24	134.00
	25	1,251,705.52	599,559.13	135.00
	26	1,251,775.81	599,598.31	136.00
*	27	1,251,854.72	599,654.46	137.00
*	28	(DELETED)	(DELETED)	–
*	29	(DELETED)	(DELETED)	–
*	30	1,251,930.55	599,712.40	137.92
	31	1,251,928.24	599,740.08	145.00
*	32	1,251,905.41	599,719.38	144.00
*	33	1,251,883.13	599,700.49	143.00
	34	1,251,850.27	599,673.55	142.00
	35	1,251,774.05	599,618.14	141.00
	36	1,251,698.42	599,575.74	140.00
	37	1,251,634.74	599,546.37	139.00
	38	1,251,564.39	599,516.86	139.00

INSERTED INTO OCULUS 5/11/15 MAY 05 2011 INITIAL

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION MAR - 3 2006 SOUTHWEST DISTRICT TAMPA

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISION –ALIGNMENT OF TOP OF BERM MODIFIED; NORTH SWALE MODIFIED; GRADING POINTS MODIFIED		
2	2/28/06	RECORD DRAWING TOPOGRAPHY MODIFIED	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
LCR GRADING PLAN (TOP OF CLAY SUBBASE)
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION 4814
APPROVED BY: JOSEPH H. O'NEILL P.E.
P.E. # 052049 STATE OF FLORIDA

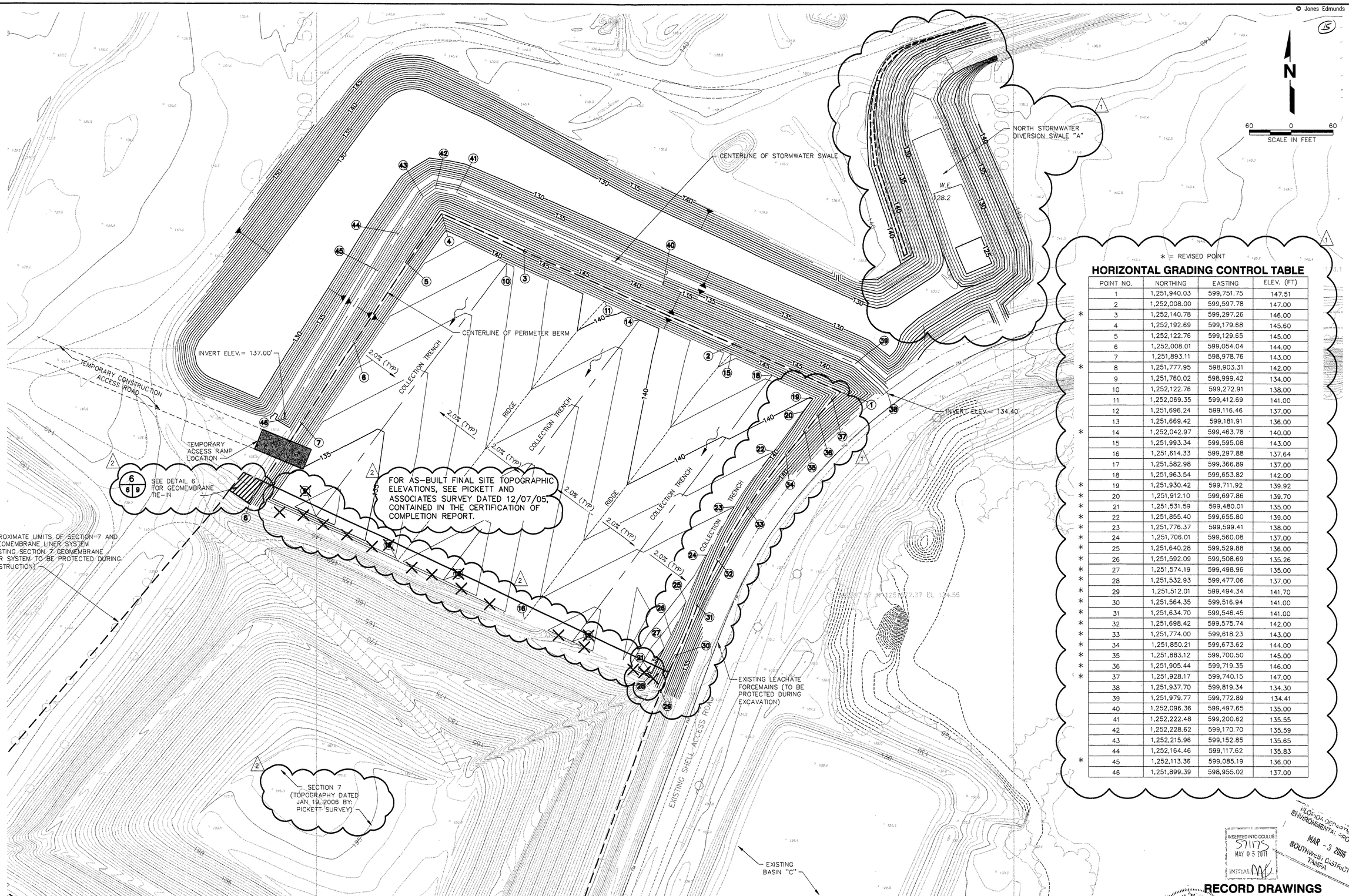
DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	5

Plotted: 3/02/06 7:37am rdemint

\\Tpa-srv\Drafting\08449 Hillsborough County\020-SELF Section 8\Certification Drawings\0844902001-C-05-LCRS2.dwg

Edited: 00/00/00 0:00 login

15



* = REVISED POINT

HORIZONTAL GRADING CONTROL TABLE

	POINT NO.	NORTHING	EASTING	ELEV. (FT)
	1	1,251,940.03	599,751.75	147.51
	2	1,252,008.00	599,597.78	147.00
*	3	1,252,140.78	599,297.26	146.00
	4	1,252,192.69	599,179.68	145.60
	5	1,252,122.76	599,129.65	145.00
	6	1,252,008.01	599,054.04	144.00
	7	1,251,893.11	598,978.76	143.00
*	8	1,251,777.95	598,903.31	142.00
	9	1,251,760.02	598,999.42	134.00
	10	1,252,122.76	599,272.91	138.00
	11	1,252,069.35	599,412.69	141.00
	12	1,251,696.24	599,116.46	137.00
	13	1,251,669.42	599,181.91	136.00
*	14	1,252,042.97	599,463.78	140.00
	15	1,251,993.34	599,595.08	143.00
	16	1,251,614.33	599,297.88	137.64
	17	1,251,582.98	599,366.89	137.00
	18	1,251,963.54	599,653.82	142.00
*	19	1,251,930.42	599,711.92	139.92
*	20	1,251,912.10	599,697.86	139.70
*	21	1,251,531.59	599,480.01	135.00
*	22	1,251,855.40	599,655.80	139.00
*	23	1,251,776.37	599,599.41	138.00
*	24	1,251,706.01	599,560.08	137.00
*	25	1,251,640.28	599,529.88	136.00
*	26	1,251,592.09	599,508.69	135.26
*	27	1,251,574.19	599,498.96	135.00
*	28	1,251,532.93	599,477.06	137.00
*	29	1,251,512.01	599,494.34	141.70
*	30	1,251,564.35	599,516.94	141.00
*	31	1,251,634.70	599,546.45	141.00
*	32	1,251,698.42	599,575.74	142.00
*	33	1,251,774.00	599,618.23	143.00
*	34	1,251,850.21	599,673.62	144.00
*	35	1,251,883.12	599,700.50	145.00
*	36	1,251,905.44	599,719.35	146.00
*	37	1,251,928.17	599,740.15	147.00
	38	1,251,937.70	599,819.34	134.30
	39	1,251,979.77	599,772.89	134.41
	40	1,252,096.36	599,497.65	135.00
	41	1,252,222.48	599,200.62	135.55
	42	1,252,228.62	599,170.70	135.59
	43	1,252,215.96	599,152.85	135.65
	44	1,252,164.46	599,117.62	135.83
*	45	1,252,113.36	599,085.19	136.00
	46	1,251,899.39	598,955.02	137.00

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR - 3 2006
SOUTHWEST DISTRICT TAMPA

INSERTED INTO OCULUS 571175 MAY 05 2011 INITIAL

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISION – ALIGNMENT OF TOP OF BERM MODIFIED; NORTH SWALE MODIFIED; GRADING POINTS MODIFIED		
2	2/28/06	RECORD DRAWING EXCESS GEOMEMBRANE REMOVED FROM SECTION 7 AND TOPOGRAPHY MODIFIED	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

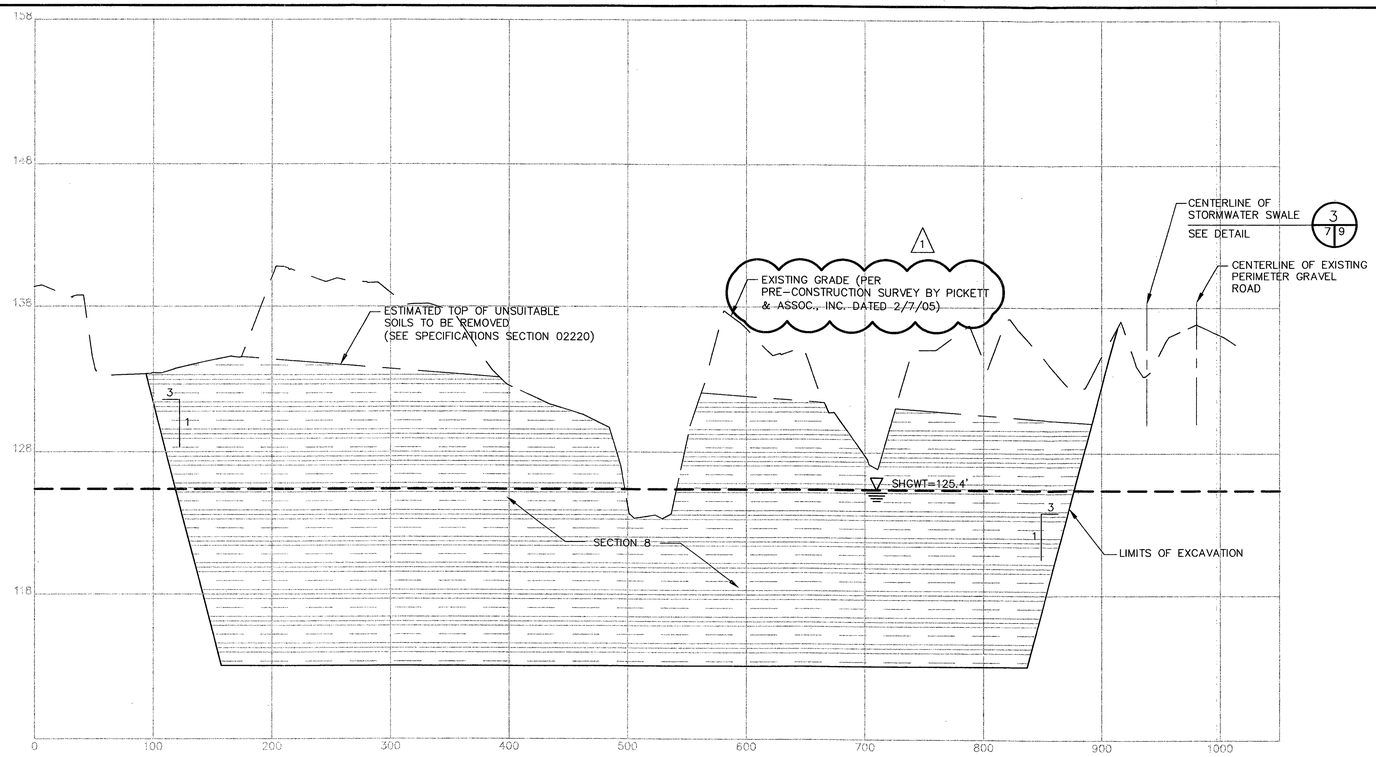
HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
TOP OF PROTECTIVE LAYER GRADING PLAN
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION 26814
APPROVED BY: STATE OF FLORIDA JOSEPH P. O'NEILL P.E. P.E. # 052042 PROFESSIONAL ENGINEER

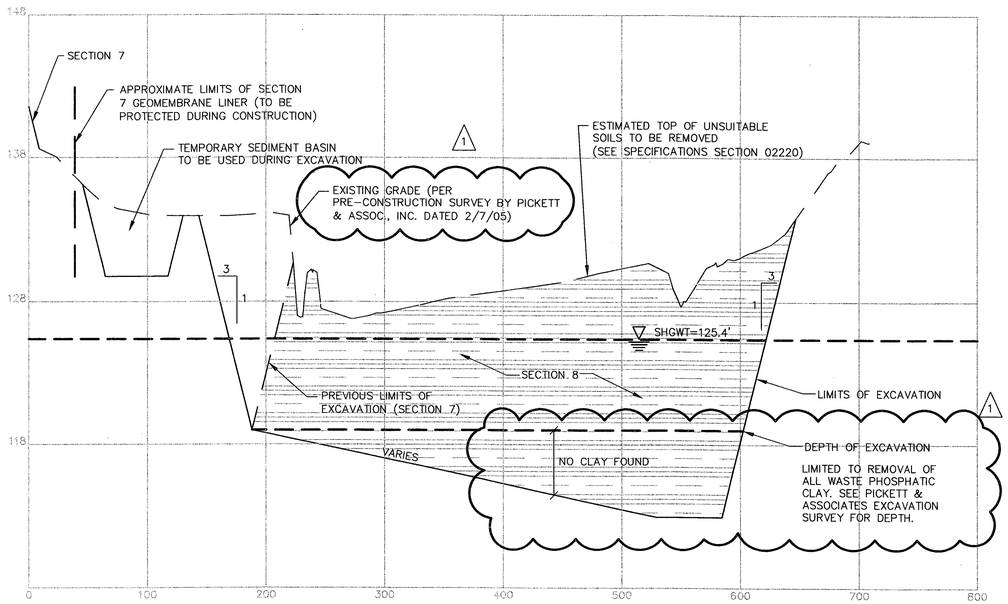
DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	6

(16)



EXCAVATION SECTION A (3/7)

SCALE 1" = 60' HORIZ
1" = 5' VERT

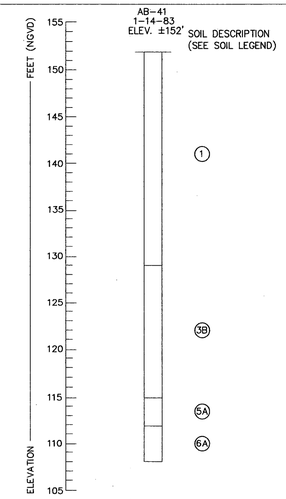


EXCAVATION SECTION B (3/7)

SCALE 1" = 60' HORIZ
1" = 5' VERT

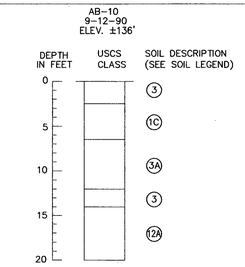
SOIL LEGEND

1	SAND TAILINGS	5	LIGHT BROWN SAND WITH SILT TO SILTY SAND OCCASIONALLY CEMENTED (SP-SM TO SM)
1A	GRAYISH BROWN SAND WITH SILT TO SILTY SAND WITH CLAY (SP-SM TO SM-SC) TAILING SAND	5A	LIGHT TO DARK GRAY SLIGHTLY SILTY TO SILTY FINE SANDS WITH OCCASIONAL TRACES OF ROOTS AND OTHER ORGANIC MATTER
1B	GRAYISH BROWN CLAYEY SAND (SC) TAILING SAND AND PHOSPHATIC WASTE CLAY MIX	6	GRAY SAND WITH CEMENTED SAND PARTICLES (SP)
1C	BROWN SAND	6A	LIGHT TO DARK BROWN SLIGHTLY SILTY TO SILTY FINE SANDS WITH OCCASIONAL SEAMS OF CEMENTED SANDS (HARDPAN)
2A	GREENISH GRAY PHOSPHATIC WASTE CLAY (CH)	7	GRAY SANDY CLAY WITH PHOSPHATE (CH)
2B	GREENISH GRAY SANDY PHOSPHATIC WASTE CLAY (CH-CL) PHOSPHATIC WASTE CLAY AND TAILING SAND MIX	9	GRAY CLAYEY SAND WITH PHOSPHATE (SC)
3	BROWNISH GRAY SAND WITH SILT (SP-SM)	10	LIGHT BROWN CLAYEY SAND WITH SILT AND PHOSPHATE, CEMENTED (SC)
3A	DARK BROWN SAND WITH SILT AND GRAY CLAY LAYER	12	GRAY CLAYEY SAND (SC)
3B	SAND TAILINGS MIXED WITH WASTE PHOSPHATIC CLAYS	12A	BROWN AND ORANGISH-BROWN CLAYEY SAND
4	DARK BROWN SILTY SAND (SM) HARD PAN		



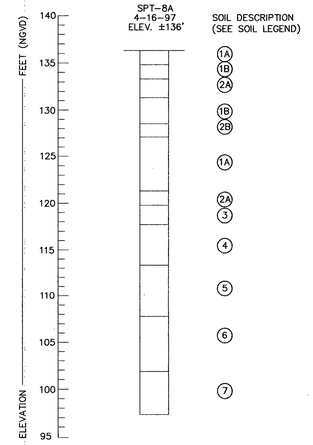
BORING PROFILE AUGER BORING (AB-41)

NTS



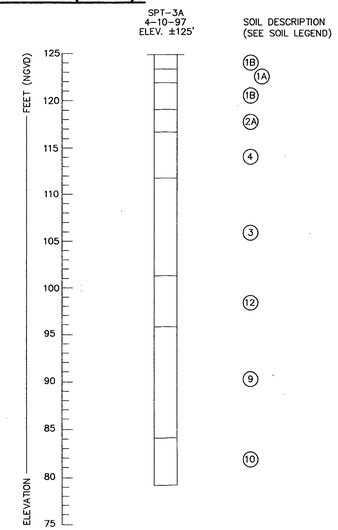
BORING PROFILE AUGER BORING (AB-10)

NTS



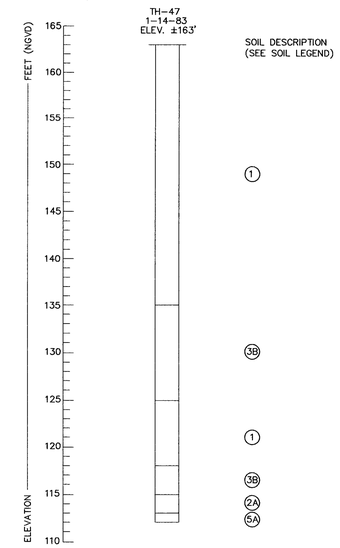
BORING PROFILE STANDARD PENETRATION TEST (SPT-8A)

NTS



BORING PROFILE STANDARD PENETRATION TEST (SPT-3A)

NTS



BORING PROFILE STANDARD PENETRATION TEST (TH-47)

NTS

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISION – EXCAVATION DEPTH MODIFIED; EXISTING TOPOGRAPHY INSERTED		

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

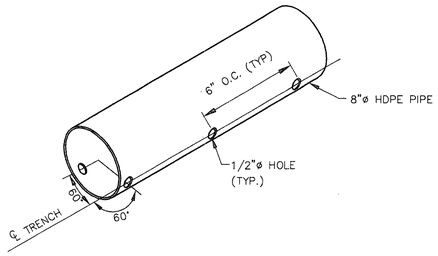
HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
SECTIONS & SOIL BORING PROFILES
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY
JOSEPH H. O'NEILL, P.E.
P.E. # 062049
3/2/06

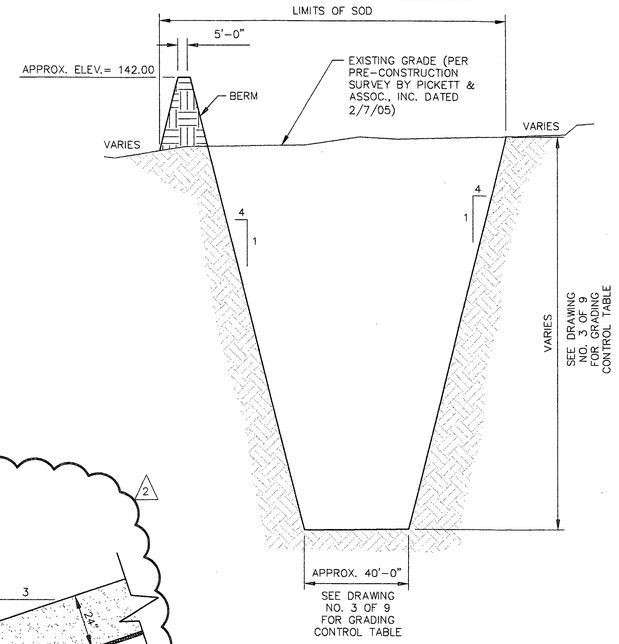
DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	7

(17)

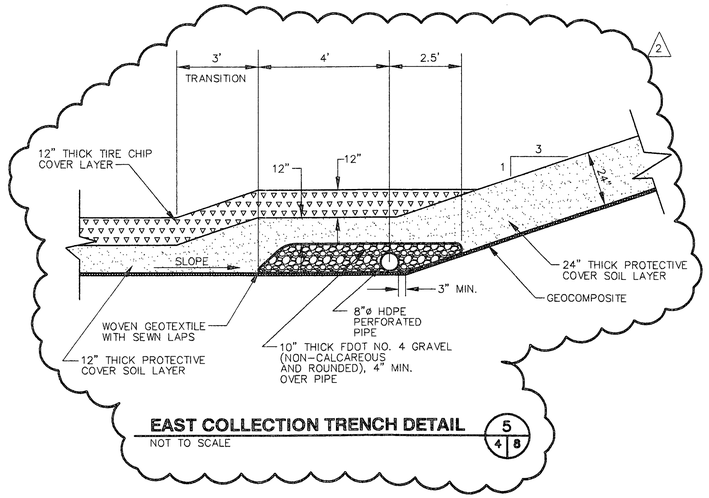


NOTE: CONTRACTOR SHALL PLACE PERFORATED PIPE AS SHOWN (HOLES TOWARDS BOTTOM OF TRENCH).

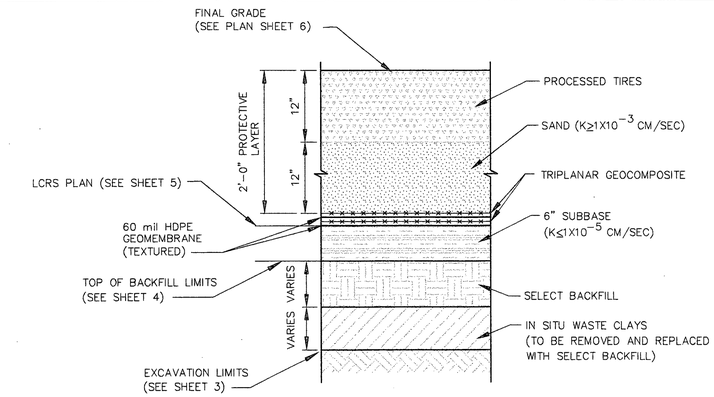
PIPE PERFORATION DETAIL 4 (8|8)
NOT TO SCALE



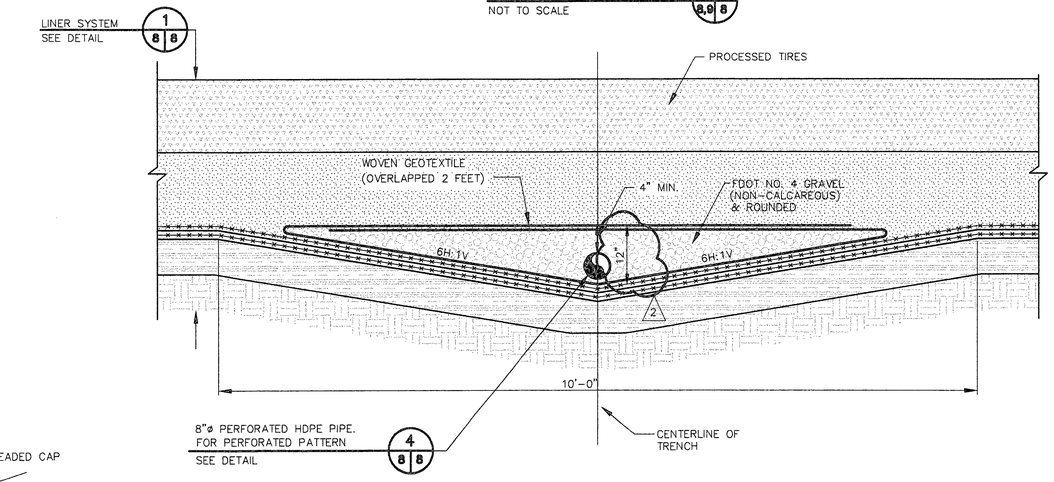
NORTH STORMWATER DIVERSION SWALE "A" DETAIL 3 (3|8)
NOT TO SCALE



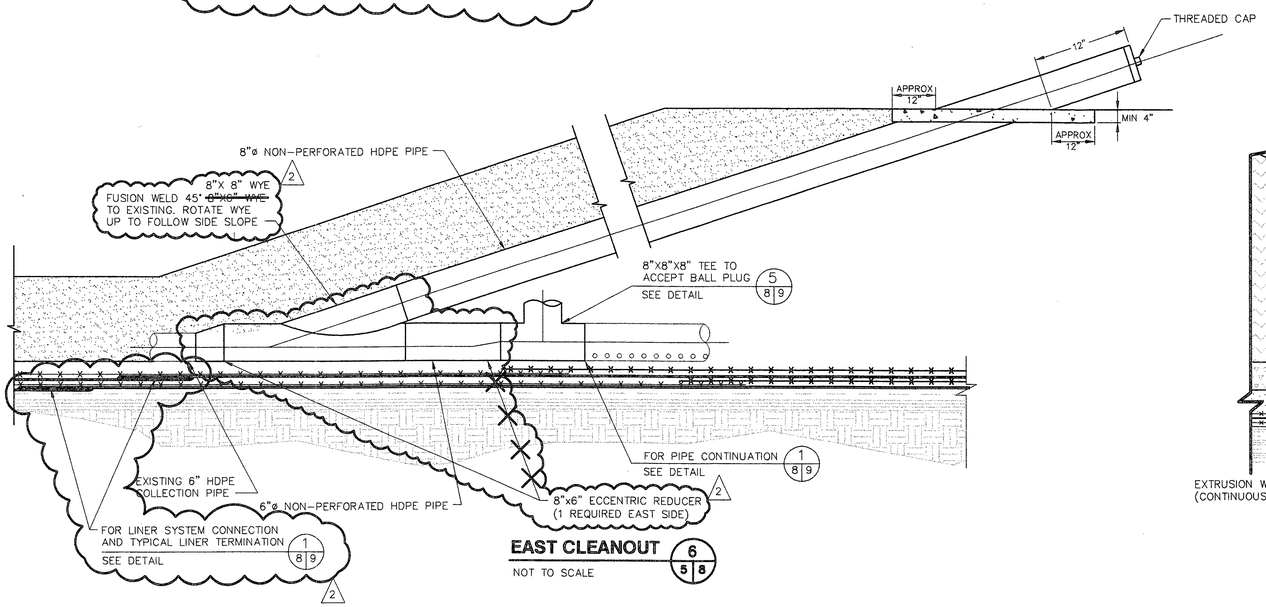
EAST COLLECTION TRENCH DETAIL 5 (4|8)
NOT TO SCALE



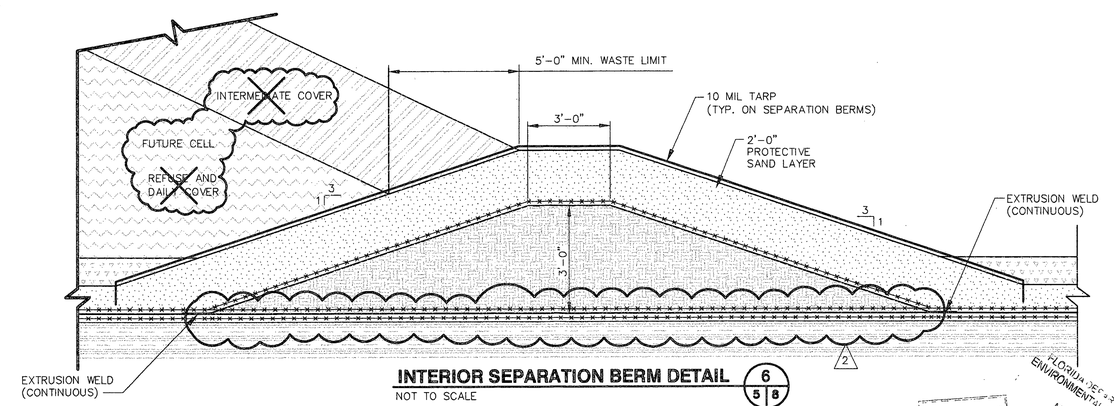
LINER SYSTEM DETAIL 1 (8,9|8)
NOT TO SCALE



TYPICAL COLLECTION TRENCH DETAIL 2 (4|8)
NOT TO SCALE



EAST CLEANOUT 6 (5|8)
NOT TO SCALE



INTERIOR SEPARATION BERM DETAIL 6 (5|8)
NOT TO SCALE

INSERTED INTO OCULUS 57195 MAY 05 2011 INITIAL

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION MAR - 3 2006 SOUTHWEST DISTRICT TAMPA

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1		SCS REVISIONS – NORTH SWALE MODIFIED		
2	2/28/06	EAST COLLECTION TRENCH DETAIL ADDED;		
		ADDITIONAL ROCK PLACED OVER PIPES;		
		8x8 WYE ADDED; GEOCOMPOSITE ADDED	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

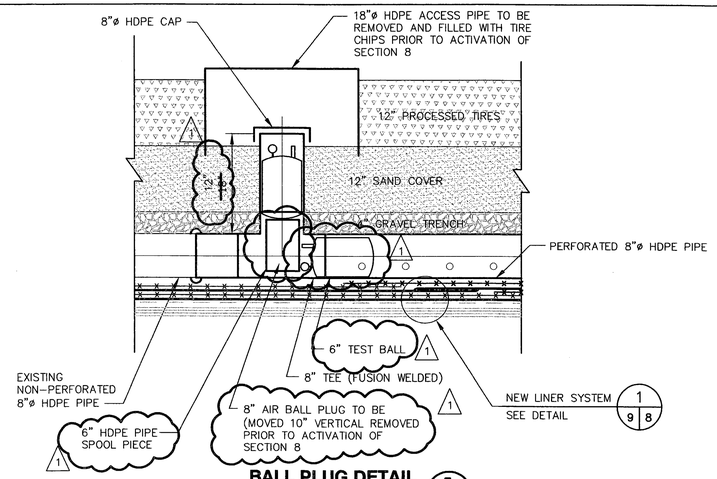
JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
DETAILS -1
CONSTRUCTION DRAWINGS

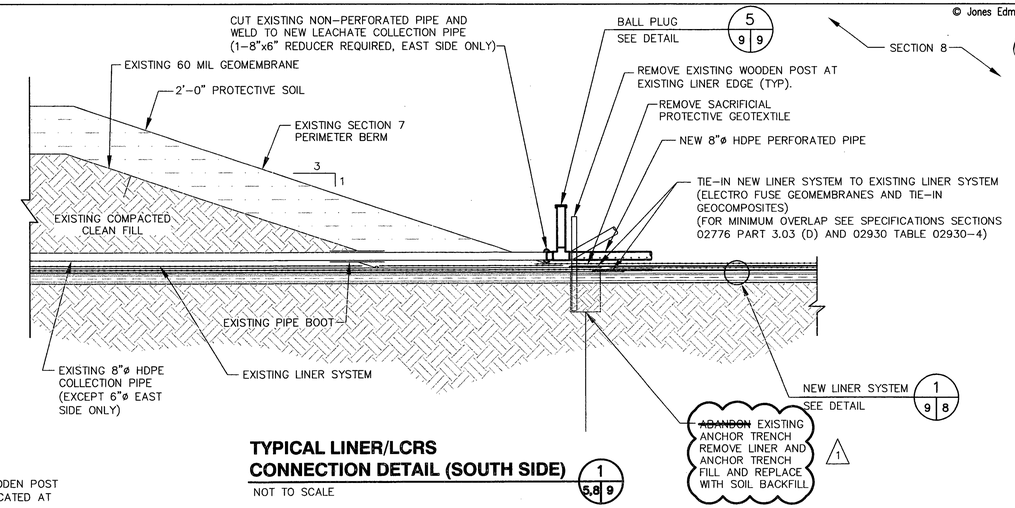
CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY JOSEPH W. O'NEILL, P.E. P.E. #052049 STATE OF FLORIDA
DATE 2/28/06
PROJECT NO. 08449-020-01
SCALE AS SHOWN
DWG. NO. 8

Plotted: 3/02/06 6:59am rdemint
\\Tpa-srv\Drafting\08449 Hillsborough County\020-SELF Section 8\Certification Drawings\0844902001-C-08-Det1a.dwg
Edited: 00/00/00 0:00 login



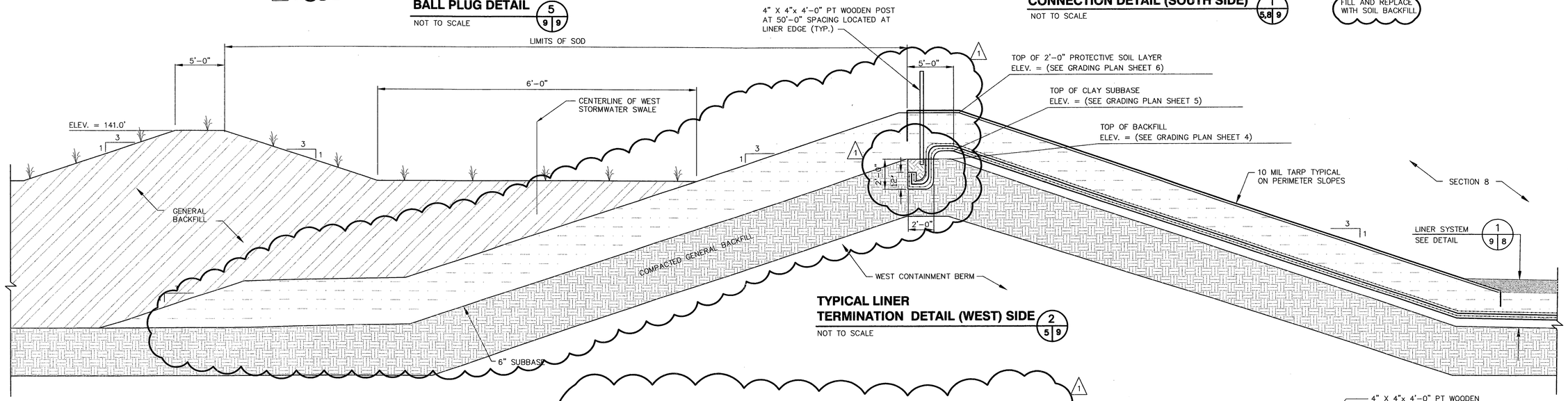
BALL PLUG DETAIL 5 (9 9)

NOT TO SCALE



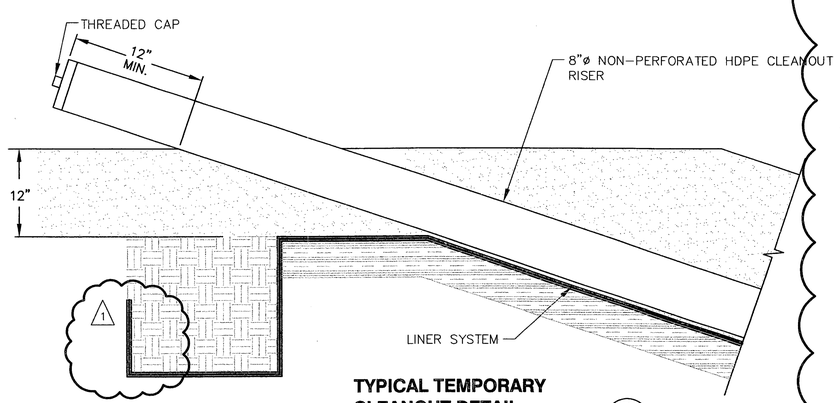
TYPICAL LINER/LCRS CONNECTION DETAIL (SOUTH SIDE) 1 (5,8 9)

NOT TO SCALE



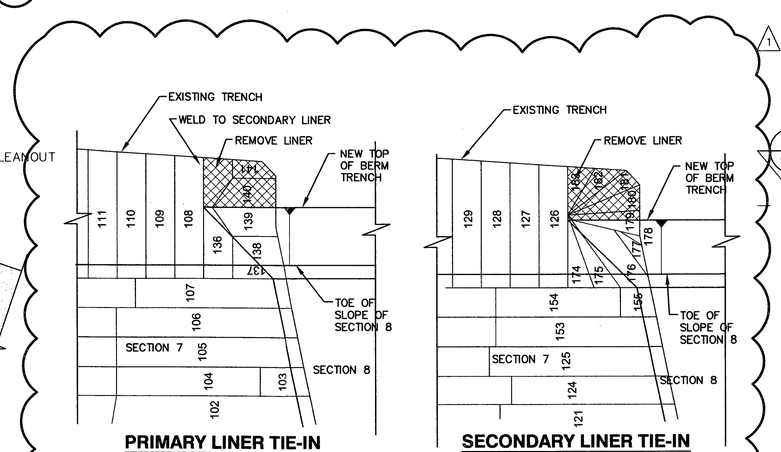
TYPICAL LINER TERMINATION DETAIL (WEST) SIDE 2 (5 9)

NOT TO SCALE



TYPICAL TEMPORARY CLEANOUT DETAIL 4 (5 9)

NOT TO SCALE



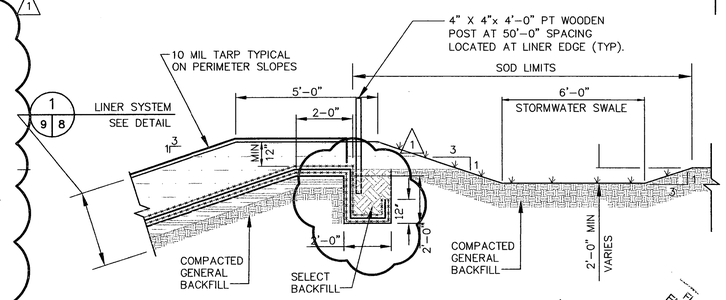
PRIMARY LINER TIE-IN

NOT TO SCALE

SECONDARY LINER TIE-IN

NOT TO SCALE

GEOMEMBRANE TIE-IN DETAIL 6 (6 9)



TYPICAL LINER TERMINATION DETAIL (NORTH, EAST & WEST) SIDE 3 (3,5,7 9)

NOT TO SCALE

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT TAMPA MAR - 3 2006

INSERTED INTO OCULUS 571175 MAY 05 2011

RECORD DRAWINGS

LTR.	DATE	REVISIONS	BY	APPRD.
1	2/28/06	PLUG VALVE PLACEMENT CHANGED; ADDITIONAL MATERIAL ADDED TO ANCHOR TRENCH; GEOMEMBRANE REMOVED FROM WEST BERM; EXCESS GEOMEMBRANE REMOVED FROM SECTION 7	JHV	JHO

DESIGNED SCS ENGINEERS
DRAWN GRD
CHECKED JHO/JPA

JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
324 S HYDE PARK AVE, TAMPA, FLORIDA 33606 / (813) 258-0703

HILLSBOROUGH COUNTY
SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL

SECTION 8 CAPACITY EXPANSION
DETAILS - 2
CONSTRUCTION DRAWINGS

CERTIFICATE OF AUTHORIZATION #1814
APPROVED BY JOSEPH H. O'NEILL, P.E. P.E. # 52049 3/4/06

DATE	PROJECT NO.
2/28/06	08449-020-01
SCALE	DWG. NO.
AS SHOWN	9