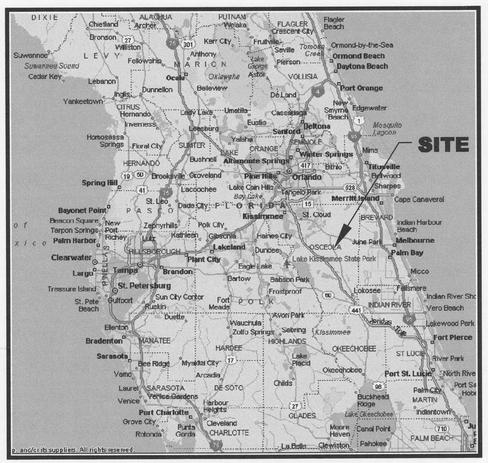
OMNI WASTE OF OSCEOLA COUNTY LLC
ST. CLOUD, FLORIDA

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

SEPTEMBER 2006

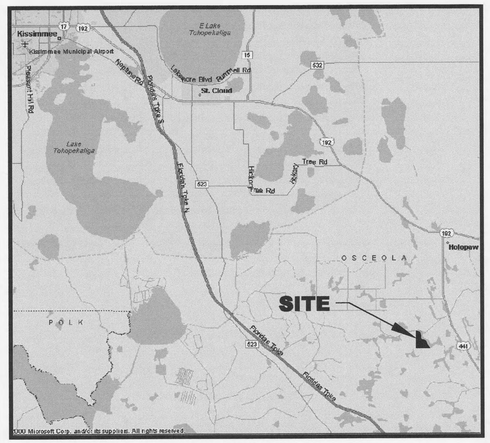


LOCATION MAP

0 32

SCALE: 1" = 32 MILES

LIST OF SHEETS		
SHEET NO.	SHEET TITLE	REVISION
1	TITLE SHEET	0
2	PARCEL SURVEY AND LEGAL DESCRIPTION	0
3	GENERAL SITE AND SURROUNDING AREA INFORMATION	0
3A	EXISTING SITE CONDITIONS AND RECENT AERIAL PHOTOGRAPH	0
4	MISCELLANEOUS SITE INFORMATION	0
5	SITE CHARACTERIZATION PLAN I	0
6	SITE CHARACTERIZATION PLAN II	0
7	SITE DEVELOPMENT PLAN	0
8	BASE GRADING PLAN - PHASE 2	0
9	BASE GRADING PLAN - PHASE 3	0
10	LEACHATE COLLECTION SYSTEM LAYOUT PLAN I	0
11	LEACHATE COLLECTION SYSTEM LAYOUT PLAN II	0
12	LANDFILL CROSS SECTIONS	0
13	PERIMETER BERM TYPICAL SECTIONS	0
14	LINER SYSTEM DETAILS I	0
15	LINER SYSTEM DETAILS II	0
16	LEACHATE SUMP PLAN	0
17	LEACHATE SUMP CROSS SECTIONS I	0
18	LEACHATE SUMP CROSS SECTIONS II	0
19	LEACHATE COLLECTION SYSTEM DETAILS	0
20	LEACHATE STORAGE FACILITY PLAN	0
21	LEACHATE STORAGE FACILITY CROSS SECTIONS	0
22	LEACHATE MANAGEMENT SYSTEM SCHEMATIC DIAGRAM I	0
23	LEACHATE MANAGEMENT SYSTEM SCHEMATIC DIAGRAM II	0
24	GROUNDWATER MONITORING NETWORK	0
25	PHASE 2 CONSTRUCTION SEQUENCING	0
26	PHASE 3 CONSTRUCTION SEQUENCING	0
27	WASTE FILL SEQUENCING PLAN I	0
28	WASTE FILL SEQUENCING PLAN II	0
29	GAS MANAGEMENT PLAN	0
30	GAS MANAGEMENT DETAILS I	0
31	GAS MANAGEMENT DETAILS II	0
32	GAS MANAGEMENT DETAILS III	0
33	FINAL COVER SYSTEM GRADING PLAN I	0
34	FINAL COVER SYSTEM GRADING PLAN II	0
35	FINAL COVER SYSTEM DETAILS	0
36	STORM WATER MANAGEMENT PLAN I	0
37	STORM WATER MANAGEMENT PLAN II	0
38	STORM WATER MANAGEMENT DETAILS I	0
39	STORM WATER MANAGEMENT DETAILS II	0
40	STORM WATER MANAGEMENT DETAILS III	0



VICINITY MAP

0 4

SCALE: 1" = 4 MILES

SEQUENTIAL DETAIL NUMBER

26 / 39

SHEET ON WHICH THE ABOVE DETAIL IS PRESENTED

DETAIL REFERENCE KEY

DETAIL NUMBER

26 / 8

SHEET ON WHICH THE ABOVE DETAIL IS FIRST REFERENCED

DETAIL (TYPICAL)
GAS HEADER CONTROL VALVE

SCALE: NTS

XREF: FL0916.02X0079.DWG

DETAIL BAR REFERENCE KEY

EXAMPLE: DETAIL 26 WHICH IS PRESENTED ON SHEET 39 WAS FIRST REFERENCED ON SHEET 8.

T / 39

SEQUENTIAL SECTION LETTER

SHEET ON WHICH THE ABOVE SECTION IS PRESENTED

SECTION REFERENCE KEY

SECTION LETTER

T / 8

SHEET ON WHICH THE ABOVE SECTION IS FIRST REFERENCED

SECTION (TYPICAL)
BORROW AREA EXCAVATION

SCALE: 1" = 10

XREF: FL0916.02X0099.DWG

SECTION BAR REFERENCE KEY

EXAMPLE: SECTION T WHICH IS PRESENTED ON SHEET 39 WAS FIRST REFERENCED ON SHEET 8.

PERMIT DRAWING

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
TITLE SHEET

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

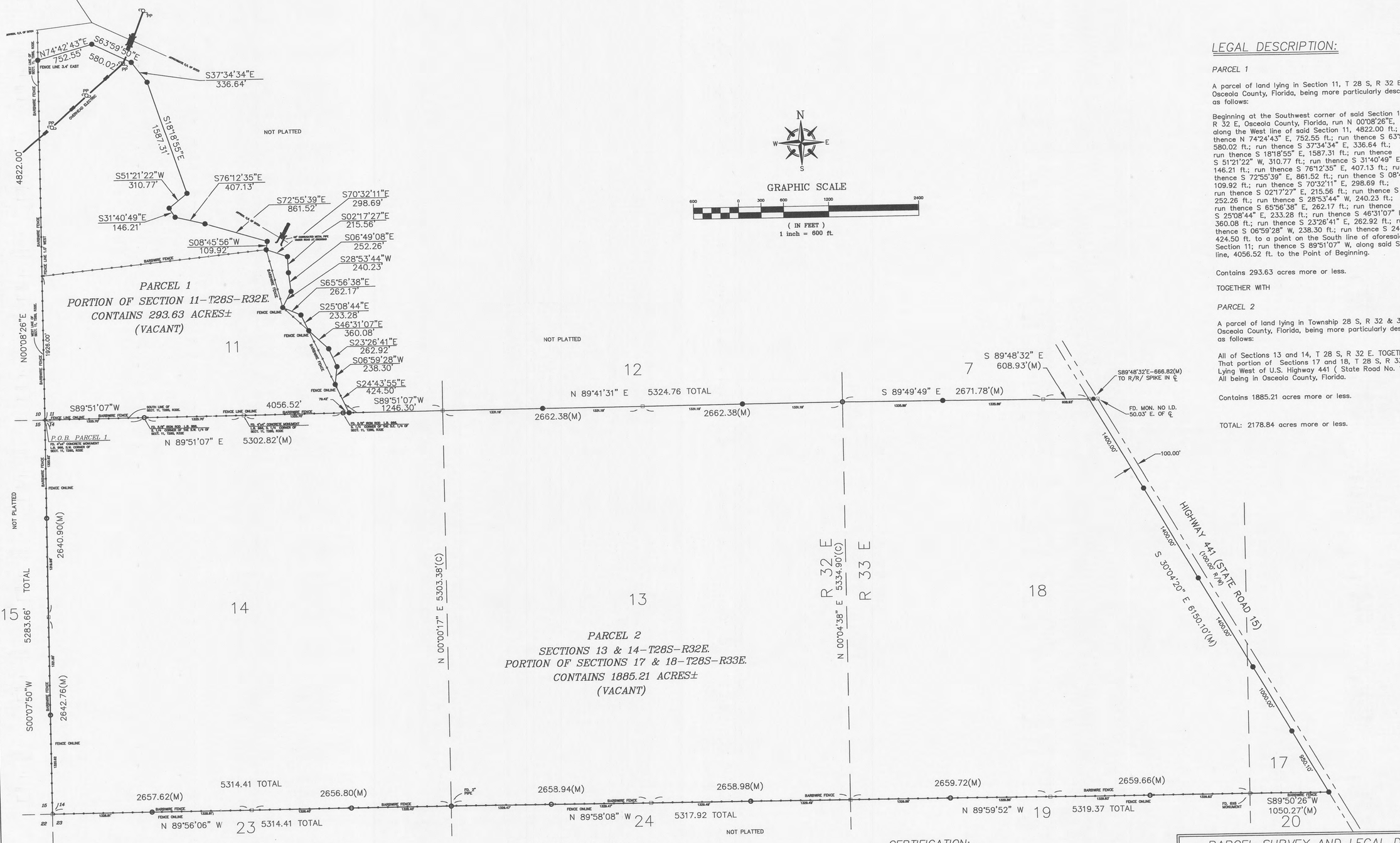
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
Omni Waste of Osceola County LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300, TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P010
PDF DOC NO.: GEAG-06-12
SHEET NO.: 1 OF 40


N74°42'43"E
752.55'
S63°59'50"E
580.02'
S37°34'34"E
336.64'
S18°18'55"E
1587.31'
4822.00'
NOT PLATTED
S51°21'22"W
310.77'
S76°12'35"E
407.13'
S31°40'49"E
146.21'
S72°55'39"E
861.52'
S70°32'11"E
298.69'
S02°17'27"E
215.56'
S08°45'56"W
109.92'
S06°49'08"E
252.26'
S28°53'44"W
240.23'
S65°56'38"E
262.17'
S25°08'44"E
233.28'
S46°31'07"E
360.08'
S23°26'41"E
262.92'
S06°59'28"W
238.30'
S24°43'55"E
424.50'
S89°51'07"W
1246.30'
PARCEL 1
PORTION OF SECTION 11-T28S-R32E.
CONTAINS 293.63 ACRES±
(VACANT)
11
12
7
N00°08'26"E
1926.00'
S89°51'07"W
4056.52'
N 89°51'07" E
5302.82'(M)
P.O.B. PARCEL 1
N 89°41'31" E
5324.76 TOTAL
2662.38(M)
2662.38(M)
S 89°49'49" E
2671.78'(M)
S 89°48'32" E
608.93'(M)
S89°48'32"E-666.82(M)
TO R/R/ SPIKE IN ℄
FD. MON. NO I.D.
50.03' E. OF ℄
1400.00'
100.00'
HIGHWAY 441 (STATE ROAD 15)
(100.00' R/W)
S 30°04'20" E 6150.10'(M)
1400.00'
1000.00'
950.10'
NOT PLATTED
2640.90(M)
15
5283.66' TOTAL
S00°07'50"W
2642.76(M)
14
13
18
17
N 00°00'17" E 5303.38'(C)
N 00°04'38" E 5334.90'(C)
R 32 E
R 33 E
PARCEL 2
SECTIONS 13 & 14-T28S-R32E.
PORTION OF SECTIONS 17 & 18-T28S-R33E.
CONTAINS 1885.21 ACRES±
(VACANT)
5314.41 TOTAL
2657.62(M)
2656.80(M)
N 89°56'06" W
23
5314.41 TOTAL
2658.94(M)
2658.98(M)
N 89°58'08" W
24
5317.92 TOTAL
NOT PLATTED
2659.72(M)
2659.66(M)
N 89°59'52" W
19
5319.37 TOTAL
S89°50'26"W
1050.27'(M)
20
FD. 2" PIPE
FD. 6X6 MONUMENT
FENCE ONLINE
BARBWIRE FENCE
FENCE LINE 3.4' EAST
FENCE LINE 1.0' WEST
OSCEOLA CO. LINE
SOUTH LINE OF SECT. 11, T28S, R32E.
WEST LINE OF SECT. 11, T28S, R32E.
FD. 4"x4" CONCRETE MONUMENT
S.W. COR. SEC. 11, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
FD. 5/8" IRON ROD, L.B. #966
S. 1/4 CORNER OF SEC. 11, T28S, R32E
FD. 5/8" IRON ROD, L.B. #966
E. 1/4 CORNER OF SEC. 11, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, S. 1/4 CORNER OF SECT. 11, T28S, R32E
FD. 5/8" IRON ROD, L.B. #966
S.W. COR. OF NE. 1/4 OF SECT. 11, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, E. 1/4 CORNER OF SECT. 11, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 11, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 11, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 11, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 12, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 12, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 12, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 13, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 13, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 13, T28S, R32E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 18, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 18, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 18, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 17, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 17, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 17, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 16, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 16, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 16, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 15, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 15, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 15, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 14, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 14, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 14, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 23, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 23, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 23, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 24, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 24, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 24, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 19, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 19, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 19, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 20, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 20, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 20, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 21, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 21, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 21, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 22, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 22, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 22, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 27, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 27, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 27, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 26, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 26, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 26, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 25, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 25, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 25, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 30, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 30, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 30, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 29, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 29, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 29, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.W. COR. OF SECT. 28, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N. 1/4 CORNER OF SECT. 28, T28S, R33E
FD. 4"x4" CONCRETE MONUMENT
L.B. #966, N.E. COR. OF SECT. 28

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
3. ALL PROPERTY SHOWN ON THIS AERIAL ARE ZONED AC (AGRICULTURAL DEVELOPMENT AND CONSERVATION DISTRICT) PER AN AUTOCAD DRAWING FILE "HOLOPAW1.DWG" OBTAINED FROM OSCEOLA COUNTY PLANNING DEPARTMENT DATED FEBRUARY 14, 2002.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
GENERAL SITE AND SURROUNDING AREA INFORMATION

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

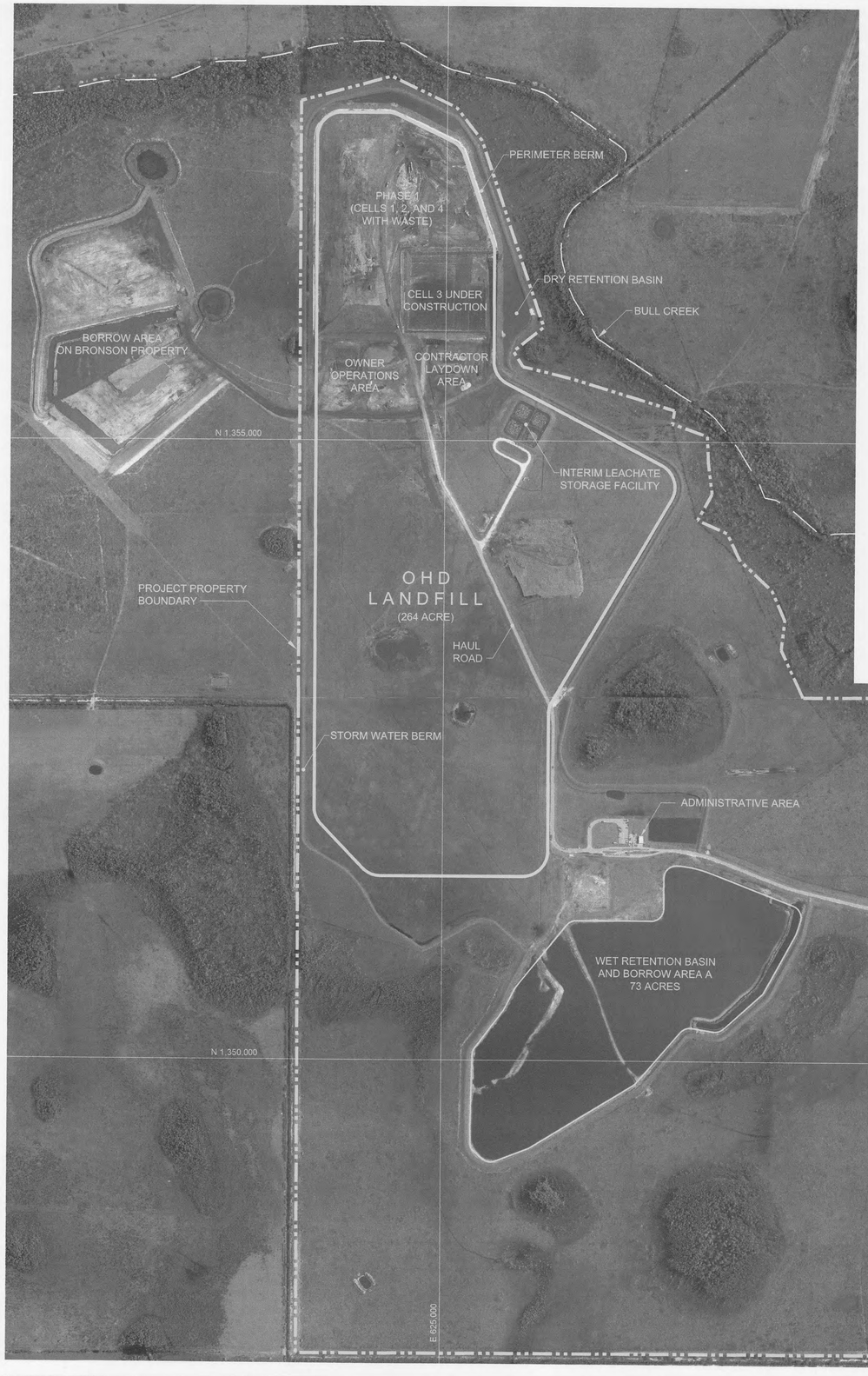
A Gupta
8 SEP 2006
AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
Omni Waste of Osceola County JLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 20
SCALE: 1" = 10
PROJECT NO.: FL09
FILE NO.: FL0916.02P0
PDF DOC NO.: GEAG-06
SHEET NO.: 3 OF 40

PERMIT DRAWING



NORTH

SCALE: 0 250' 500' 1000' — 1" = 500'

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF INTERMITTENT STREAM

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
3. AERIAL PHOTOGRAPH DATED 31 JULY 2006 WAS PROVIDED BY BULLSEYE DESIGN SERVICES, INC.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

EXISTING SITE CONDITIONS AND
RECENT AERIAL PHOTOGRAPH

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

Agupta
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

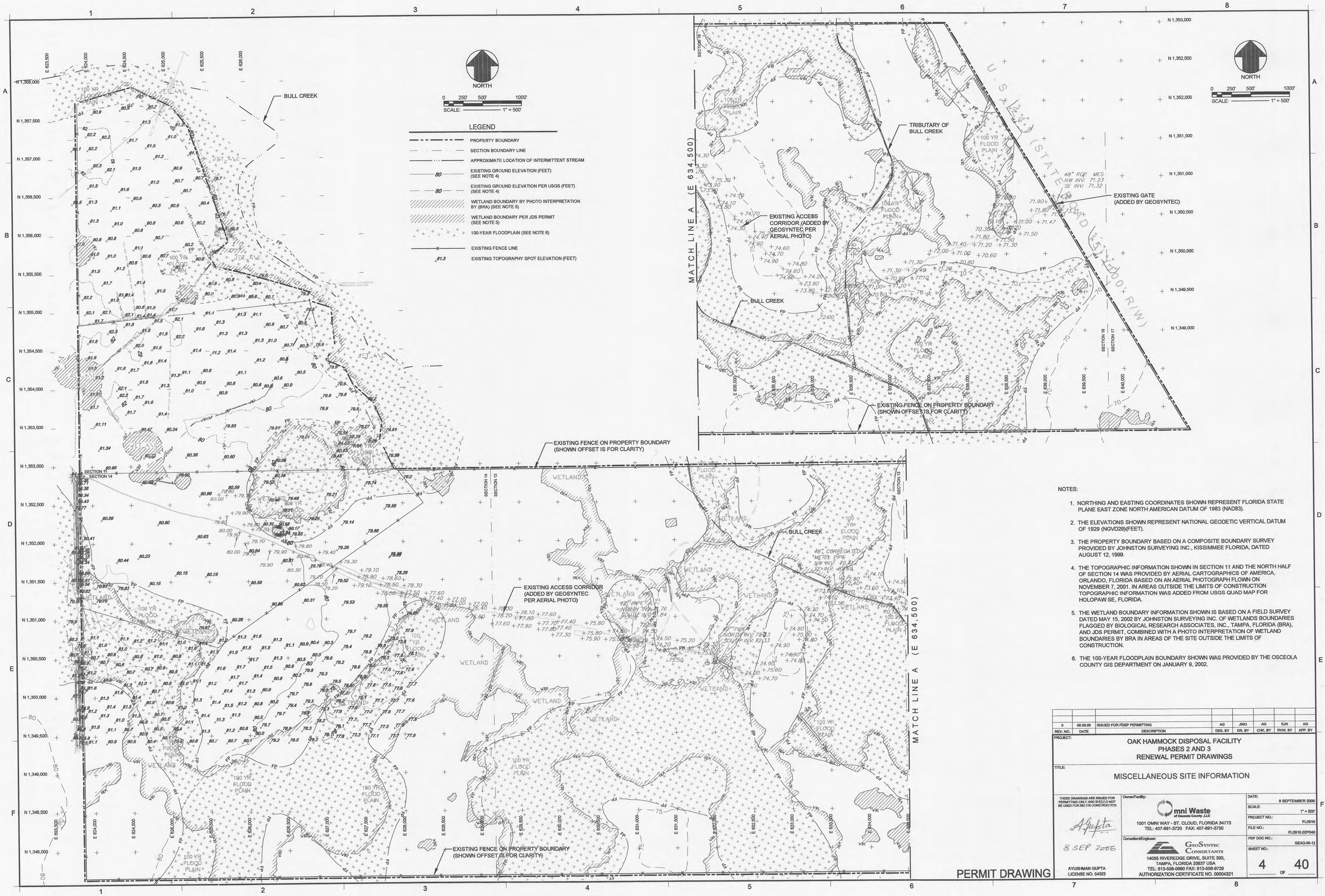
Owner/Facility:
Omni Waste of Osceola County ,LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 500'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P03A0
PDF DOC NO.: GEAG-06-12
SHEET NO.: 3A OF 40

PERMIT DRAWING

autocad PlotDate:8/29/2006 PageSetup:ANSI B (17.00 x 11.00 Inches) Plotted By:Ayushman Gupta FILE:P:\Projects\2006\FL0916\02P03A0\CAD\Figures\FL0916-02P03A0-SHEET-3A.dwg LAY:1



NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

MISCELLANEOUS SITE INFORMATION

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:

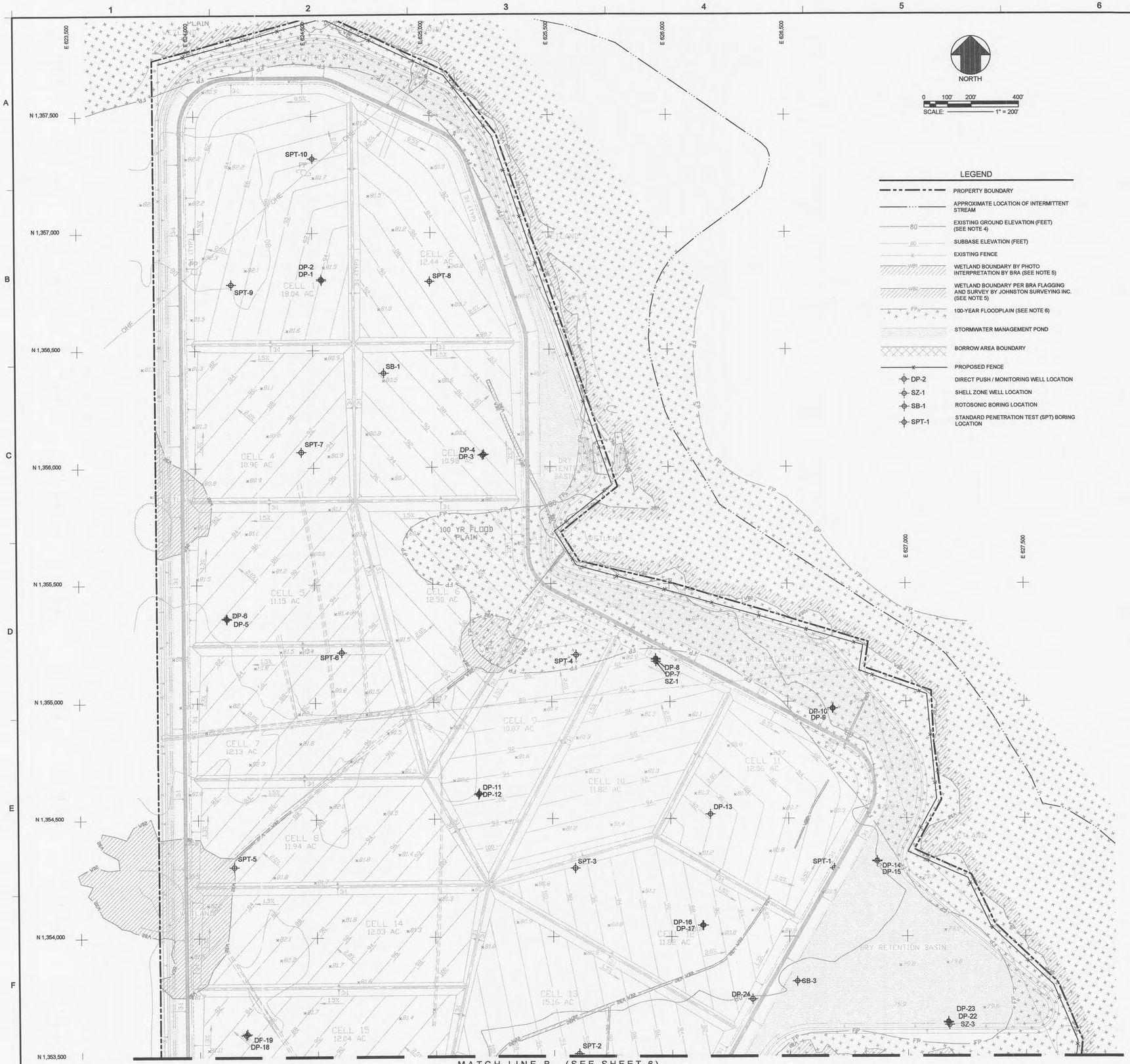
omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:

GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE:	8 SEPTEMBER 2006
SCALE:	1" = 500'
PROJECT NO.:	FL0916
FILE NO.:	FL0916.02P040
PDF DOC NO.:	GEAG-06-12
SHEET NO.:	4 OF 40

PERMIT DRAWING



NORTH

0 100' 200' 400'

SCALE: 1" = 200'

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF INTERMITTENT STREAM
- 80 — EXISTING GROUND ELEVATION (FEET) (SEE NOTE 4)
- 80 — SUBBASE ELEVATION (FEET)
- EXISTING FENCE
- WBR — WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- WBA — WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING INC. (SEE NOTE 5)
- FP — 100-YEAR FLOODPLAIN (SEE NOTE 6)
- STORMWATER MANAGEMENT POND
- BORROW AREA BOUNDARY
- PROPOSED FENCE
- DP-2 — DIRECT PUSH / MONITORING WELL LOCATION
- SZ-1 — SHELL ZONE WELL LOCATION
- SB-1 — ROTOSONIC BORING LOCATION
- SPT-1 — STANDARD PENETRATION TEST (SPT) BORING LOCATION

Point#	Northing	Easting	Top of Casing EL. (FT)	Ground EL. (FT)
DP-1	1,356,797.91	624,537.79	84.12	81.20
DP-2	1,356,802.93	624,536.96	84.11	81.20
DP-3	1,356,050.85	625,213.95	82.22	79.30
DP-4	1,356,053.84	625,219.58	82.24	79.30
DP-5	1,355,353.25	624,128.08	84.13	81.60
DP-6	1,355,356.37	624,125.45	84.23	81.60
DP-7	1,355,177.88	625,941.53	82.63	79.60
DP-8	1,355,182.23	625,941.31	82.78	79.60
DP-9	1,354,970.41	626,691.23	81.58	78.90
DP-10	1,354,970.16	626,687.84	81.59	78.90
DP-11	1,354,609.00	625,190.27	84.06	81.20
DP-12	1,354,604.52	625,187.66	84.18	81.20
DP-13	1,354,519.86	626,168.29	83.09	80.00
DP-14	1,354,321.35	626,873.19	81.97	78.90
DP-15	1,354,318.16	626,873.34	81.98	78.90
DP-16	1,354,048.17	626,132.23	82.57	79.50
DP-17	1,354,047.58	626,135.33	82.58	79.50
DP-18	1,353,592.44	624,195.90	84.38	81.20
DP-19	1,353,596.07	624,200.39	84.34	81.20
DP-20	1,353,034.67	625,503.33	83.07	79.80
DP-21	1,353,030.01	625,502.82	83.00	79.80
DP-22	1,353,837.77	627,171.49	81.00	78.30
DP-23	1,353,641.31	627,170.88	81.27	78.30
DP-24	1,353,736.22	626,342.40	82.22	79.20
SB-1	1,356,401.00	624,799.00	-	80.00
SB-2	1,353,191.00	624,139.00	-	82.00
SB-3	1,353,810.00	626,532.00	-	79.20
SPT-1	1,354,289.00	626,692.00	-	79.30
SPT-2	1,353,510.00	625,606.00	-	79.40
SPT-3	1,354,291.00	625,595.00	-	80.10
SPT-4	1,355,198.00	625,604.00	-	80.20
SPT-5	1,354,300.00	624,151.00	-	82.30
SPT-6	1,355,211.00	624,613.00	-	80.80
SPT-7	1,356,067.00	624,448.00	-	80.40
SPT-8	1,356,792.00	624,996.00	-	80.10
SPT-9	1,356,781.00	624,156.00	-	81.50
SPT-10	1,357,317.00	624,503.00	-	81.00
SPT-11	1,351,994.00	624,604.00	-	80.70
SPT-12	1,351,602.00	625,635.00	-	80.40
SPT-13	1,351,240.00	626,443.00	-	81.10
SPT-14	1,350,398.00	626,102.00	-	81.00
SPT-15	1,349,802.00	625,707.00	-	80.70
SZ-1	1,355,170.25	625,942.43	82.43	79.60
SZ-2	1,353,030.47	625,511.10	83.16	79.80
SZ-3	1,353,629.43	627,175.45	81.27	78.30

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.
7. PROPOSED GRADING IS SHOWN IN THE BACKGROUND TO ILLUSTRATE TEST LOCATIONS RELATIVE TO THE OAK HAMMOCK DISPOSAL FACILITY LAYOUT.

MATCH LINE B (SEE SHEET 6)

PERMIT DRAWING

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

SITE CHARACTERIZATION PLAN I

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006

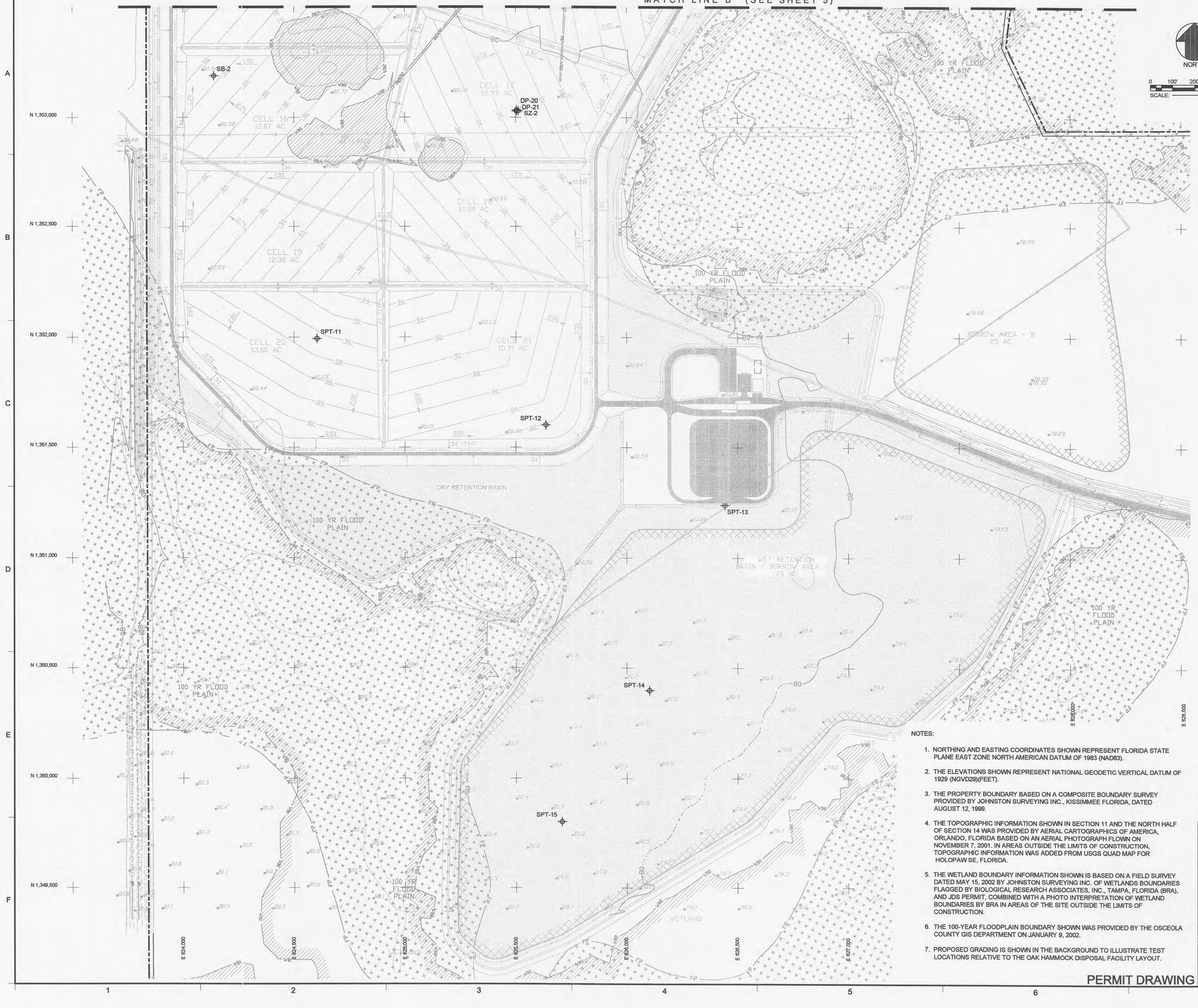
AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
omni Waste
of Osceola County ,LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 200'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P050
PDF DOC NO.: GEAG-06-12
SHEET NO.: 5 OF 40

MATCH LINE B (SEE SHEET 5)



NORTH

0 100' 200' 400'

SCALE: 1" = 200'

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF INTERMITTENT STREAM
- 80 — EXISTING GROUND ELEVATION (FEET) (SEE NOTE 4)
- 80 — SUBBASE ELEVATION (FEET)
- EXISTING FENCE
- VBA — WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- VBB — WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING INC. (SEE NOTE 5)
- FPA — 100-YEAR FLOODPLAIN (SEE NOTE 6)
- STORMWATER MANAGEMENT POND
- BORROW AREA BOUNDARY
- PROPOSED FENCE
- DP-2 — DIRECT PUSH / MONITORING WELL LOCATION
- SZ-1 — SHELL ZONE WELL LOCATION
- SB-1 — ROTOSONIC BORING LOCATION
- SPT-1 — STANDARD PENETRATION TEST (SPT) BORING LOCATION

Point#	Northing	Easting	Top of Casing EL. (FT)	Ground EL. (FT)
DP-1	1,356,797.91	624,537.79	84.12	81.20
DP-2	1,356,802.93	624,536.96	84.11	81.20
DP-3	1,356,050.85	625,213.95	82.22	79.30
DP-4	1,356,053.84	625,219.58	82.24	79.30
DP-5	1,355,353.25	624,128.08	84.13	81.60
DP-6	1,355,356.37	624,125.45	84.23	81.60
DP-7	1,355,177.88	625,941.53	82.63	79.60
DP-8	1,355,182.23	625,941.31	82.78	79.60
DP-9	1,354,970.41	626,691.23	81.58	78.90
DP-10	1,354,970.16	626,687.84	81.59	78.90
DP-11	1,354,609.00	625,190.27	84.06	81.20
DP-12	1,354,604.52	625,187.66	84.18	81.20
DP-13	1,354,519.86	626,168.29	83.09	80.00
DP-14	1,354,321.35	626,873.19	81.97	78.90
DP-15	1,354,318.16	626,873.34	81.98	78.90
DP-16	1,354,048.17	626,132.23	82.57	79.50
DP-17	1,354,047.58	626,135.33	82.58	79.50
DP-18	1,353,592.44	624,195.90	84.38	81.20
DP-19	1,353,596.07	624,200.39	84.34	81.20
DP-20	1,353,034.67	625,503.33	83.07	79.80
DP-21	1,353,030.01	625,502.82	83.00	79.80
DP-22	1,353,637.77	627,171.49	81.00	78.30
DP-23	1,353,641.31	627,170.88	81.27	78.30
DP-24	1,353,736.22	626,342.40	82.22	79.20
SB-1	1,356,401.00	624,799.00	-	80.00
SB-2	1,353,191.00	624,139.00	-	82.00
SB-3	1,353,810.00	626,532.00	-	79.20
SPT-1	1,354,289.00	626,692.00	-	79.30
SPT-2	1,353,510.00	625,806.00	-	79.40
SPT-3	1,354,291.00	625,595.00	-	80.10
SPT-4	1,355,198.00	625,804.00	-	80.20
SPT-5	1,354,300.00	624,151.00	-	82.30
SPT-6	1,355,211.00	624,613.00	-	80.80
SPT-7	1,356,067.00	624,448.00	-	80.40
SPT-8	1,356,792.00	624,996.00	-	80.10
SPT-9	1,356,781.00	624,156.00	-	81.50
SPT-10	1,357,317.00	624,503.00	-	81.00
SPT-11	1,351,994.00	624,804.00	-	80.70
SPT-12	1,351,602.00	625,635.00	-	80.40
SPT-13	1,351,240.00	626,443.00	-	81.10
SPT-14	1,350,398.00	626,102.00	-	81.00
SPT-15	1,349,802.00	625,707.00	-	80.70
SZ-1	1,355,170.25	625,842.43	82.43	79.60
SZ-2	1,353,030.47	625,511.10	83.16	79.80
SZ-3	1,353,629.43	627,175.45	81.27	78.30

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.
7. PROPOSED GRADING IS SHOWN IN THE BACKGROUND TO ILLUSTRATE TEST LOCATIONS RELATIVE TO THE OAK HAMMOCK DISPOSAL FACILITY LAYOUT.

PERMIT DRAWING

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

SITE CHARACTERIZATION PLAN II

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

Ayushman Gupta
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

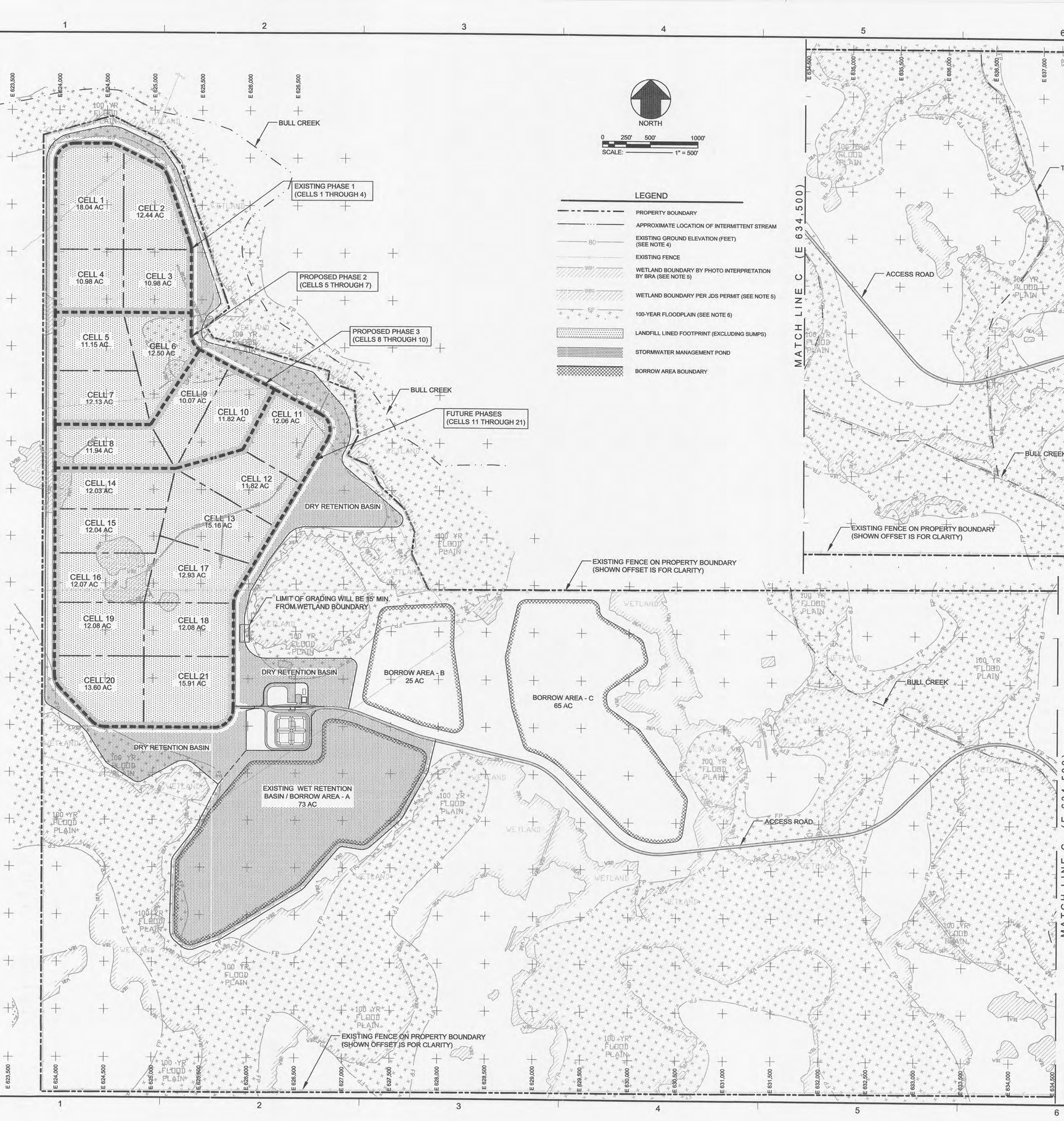
Owner/Facility:

Omni Waste of Osceola County ,LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:

GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9720
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 200'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P050
PDF DOC NO.: GEAG-05-12
SHEET NO.: 6 OF 40



NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

SITE DEVELOPMENT PLAN

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY. NKD SHOULD NOT BE USED FOR DID OR CONSTRUCTION

A Gupta

8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:

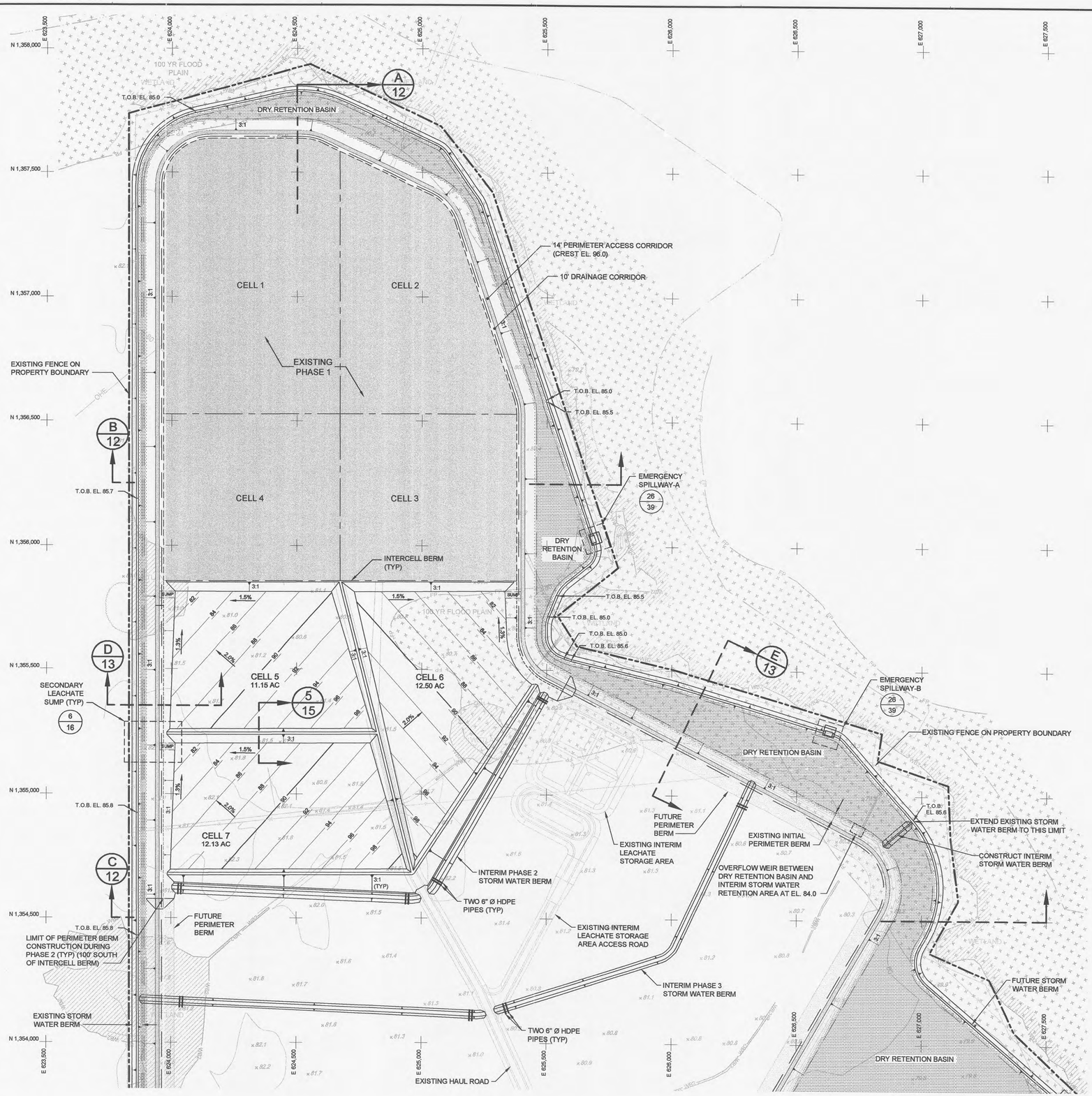
Omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:

GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 500'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P070
PDF DOC NO.: GEAG-06-12
SHEET NO.: 7 OF 40

PERMIT DRAWING



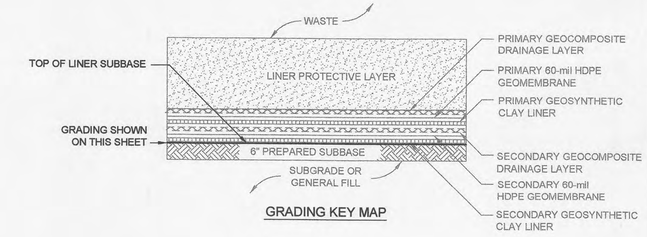
NORTH

0 100' 200' 400'

SCALE: 1" = 200'

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF INTERMITTENT STREAM
- 80 — EXISTING GROUND ELEVATION (FEET) (SEE NOTE 2)
- 80 — SUBBASE ELEVATION (FEET)
- EXISTING FENCE
- WB1 — WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- WB2 — WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING INC. (SEE NOTE 5)
- FP — 100-YEAR FLOODPLAIN (SEE NOTE 6)
- STORMWATER MANAGEMENT BASINS
- BORROW AREA BOUNDARY



GRADING KEY MAP

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

BASE GRADING PLAN - PHASE 2

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

Ayupta

8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:

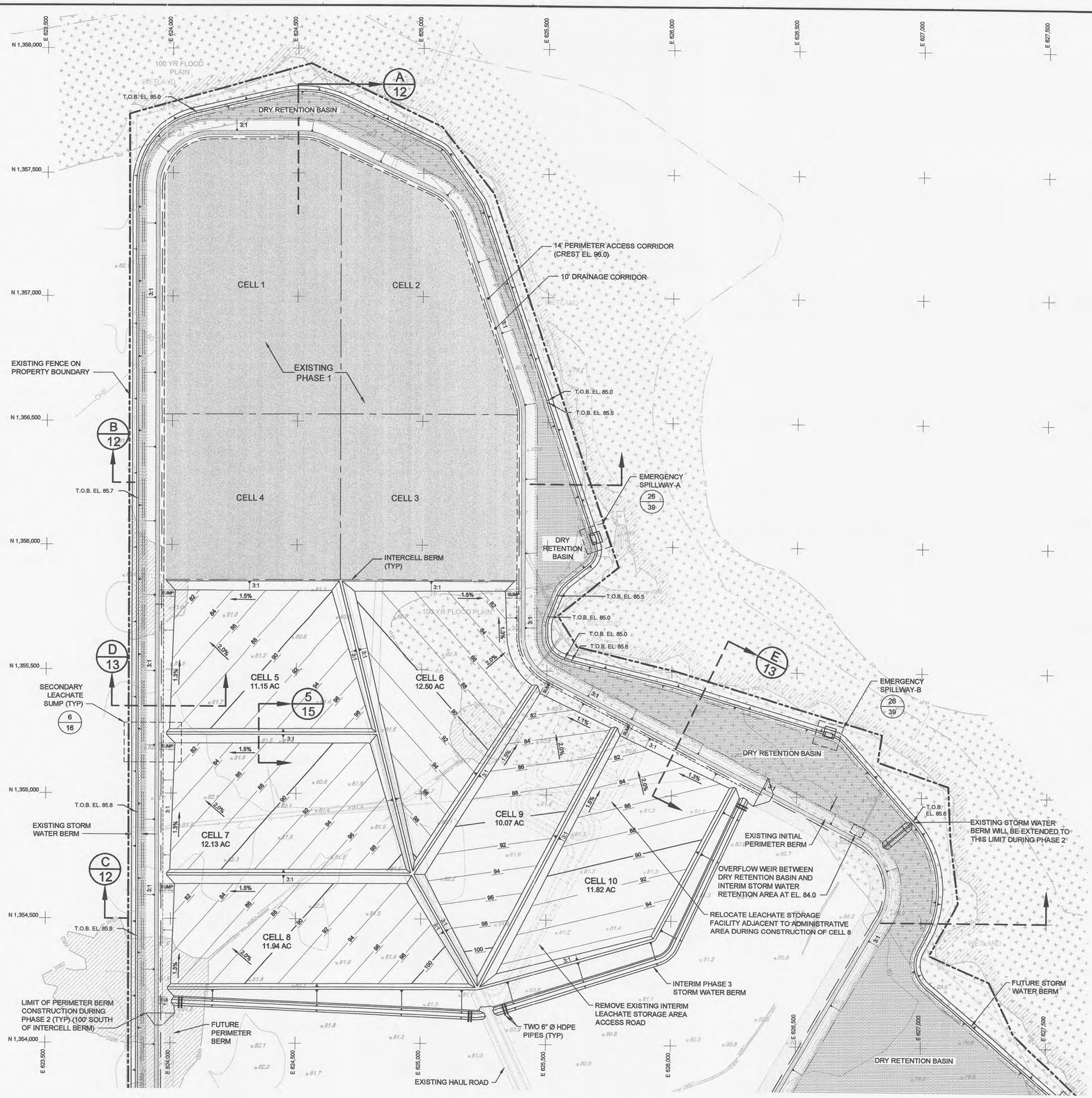
Omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:

GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER, 2006
SCALE: 1" = 200'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P080
PDF DOC NO.: GEAG-06-12
SHEET NO.: 8 OF 40

PERMIT DRAWING



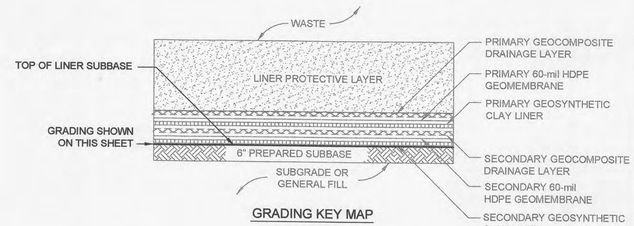
NORTH

0 100' 200' 400'

SCALE: 1" = 200'

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF INTERMITTENT STREAM
- 80 — EXISTING GROUND ELEVATION (FEET) (SEE NOTE 2)
- 80 — SUBBASE ELEVATION (FEET)
- EXISTING FENCE
- WB1 — WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- WB2 — WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING INC. (SEE NOTE 5)
- 100-YEAR FLOODPLAIN (SEE NOTE 6)
- STORMWATER MANAGEMENT BASINS
- BORROW AREA BOUNDARY



GRADING KEY MAP

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

BASE GRADING PLAN - PHASE 3

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006

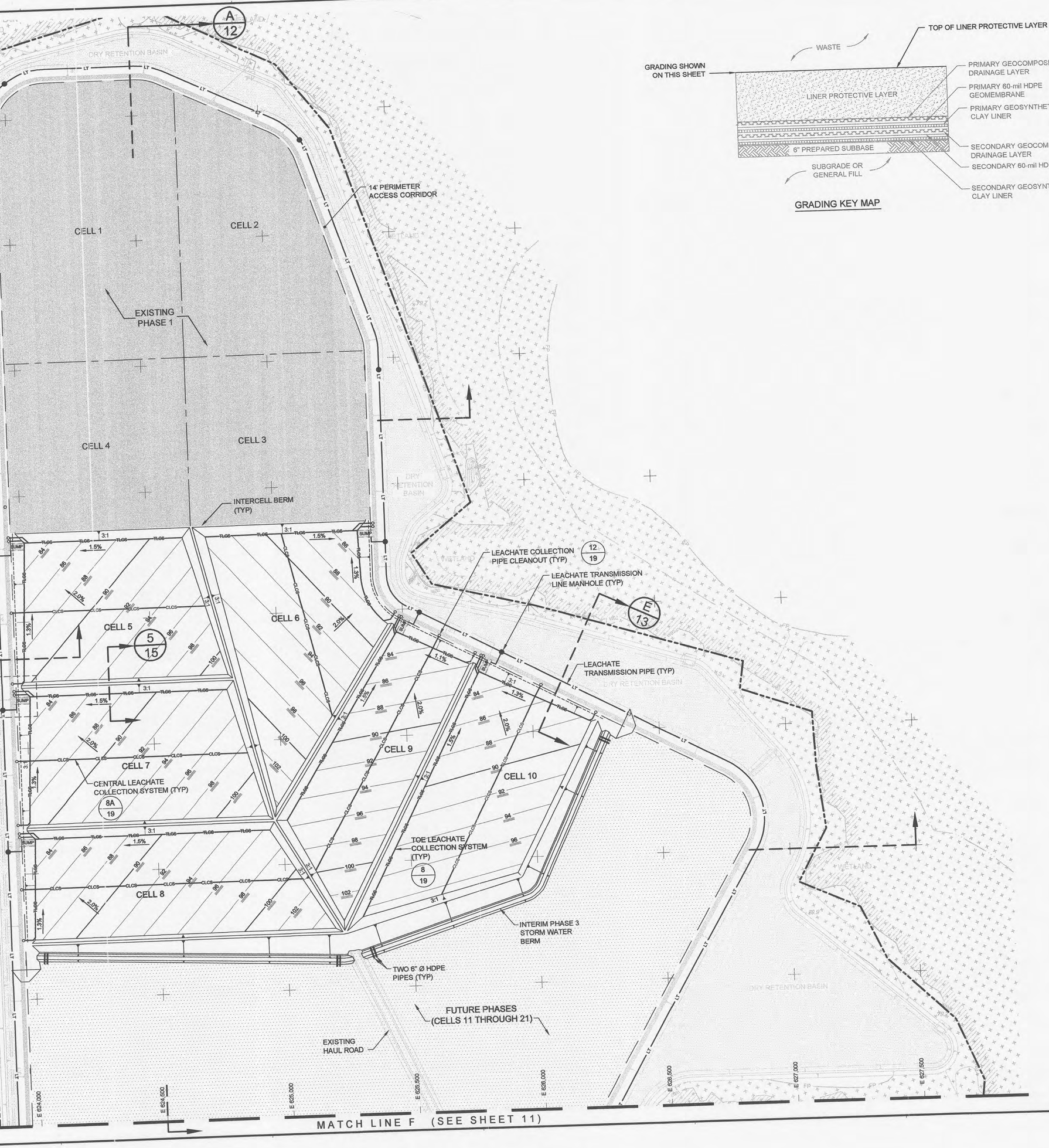
AYUSHMAN GUPTA
LICENSE NO. 54023

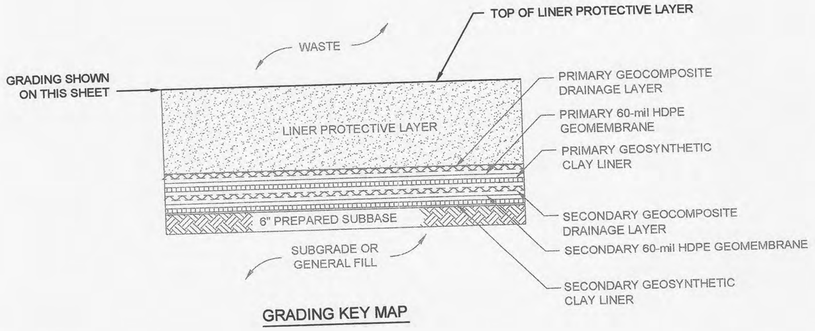
Owner/Facility:
Omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 200'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P090
PDF DOC NO.: GEAG-06-12
SHEET NO.: 9 OF 40

PERMIT DRAWING





GRADING KEY MAP

NORTH

SCALE: 0 100' 200' 400' — 1" = 200'

LEGEND

- PROPERTY BOUNDARY
- 80 — EXISTING GROUND ELEVATION (FEET) (SEE NOTE 2)
- 90 — TOP OF LINER PROTECTIVE LAYER ELEVATION (FEET)
- LC — LEACHATE COLLECTION PIPE
- LT — LEACHATE TRANSMISSION PIPE AND MANHOLE
- LC — LEACHATE COLLECTION PIPE CLEANOUT
- WB1 — WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- WB2 — WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING INC. (SEE NOTE 5)
- FP — 100-YEAR FLOODPLAIN (SEE NOTE 6)

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN

PROJECT: OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE: LEACHATE COLLECTION SYSTEM PLAN I

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006
AYUSHMAN GUPTA
LICENSE NO. 54023

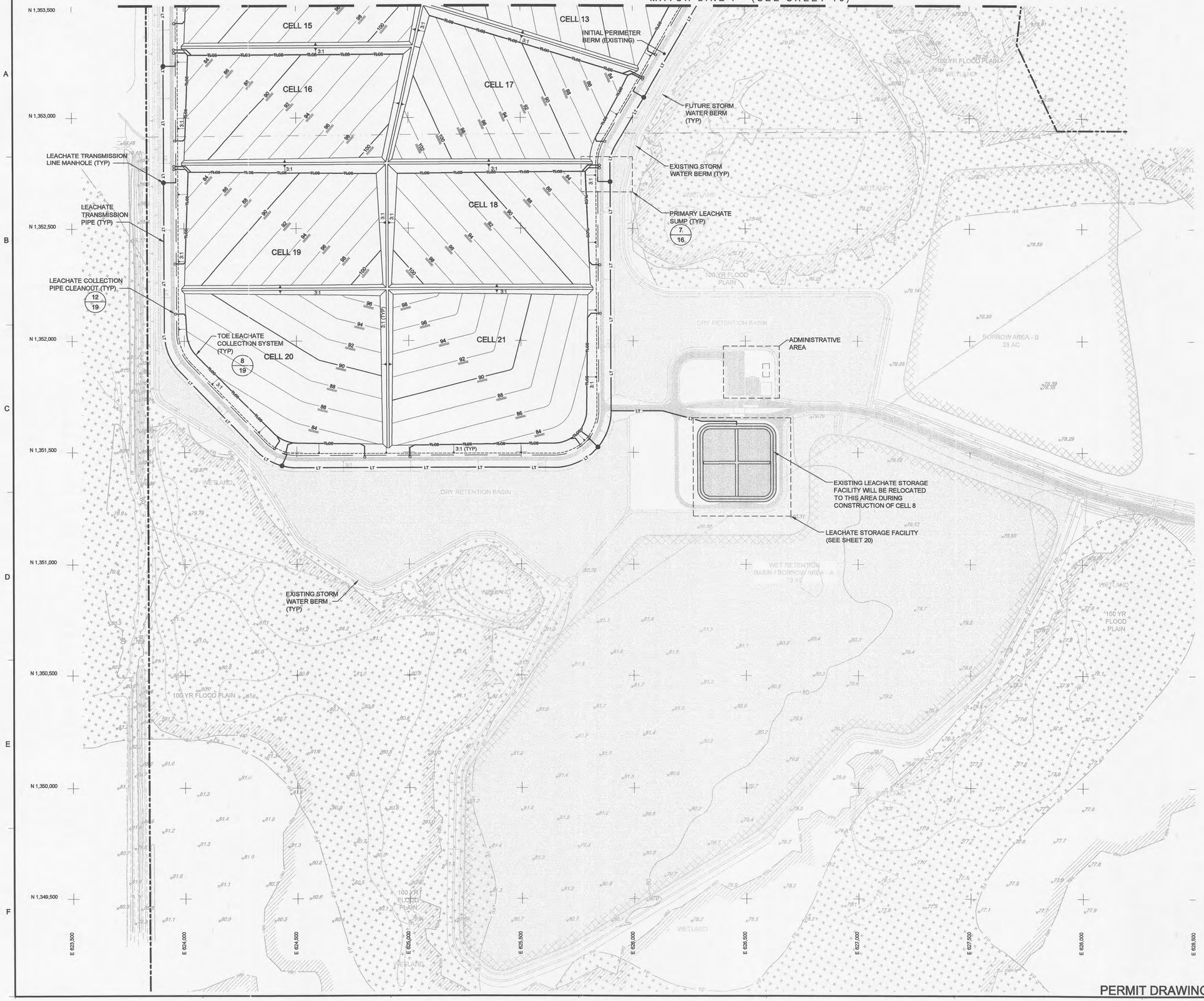
Owner/Facility:
Omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEM
SCALE:
PROJECT NO.:
FILE NO.: FLO
PDF DOC NO.:
SHEET NO.: 10 OF

PERMIT DRAWING

MATCH LINE F (SEE SHEET 10)



NORTH

0 100' 200' 400'

SCALE: 1" = 200'

LEGEND

- PROPERTY BOUNDARY
- 80 — EXISTING GROUND ELEVATION (FEET) (SEE NOTE 2)
- 80 — TOP OF LINER PROTECTIVE LAYER ELEVATION (FEET)
- LT — LEACHATE TRANSMISSION PIPE
- WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING INC. (SEE NOTE 5)
- FP — 100-YEAR FLOODPLAIN (SEE NOTE 6)

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

LEACHATE COLLECTION SYSTEM PLAN II

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

Ayushman Gupta
8 SEP 2006

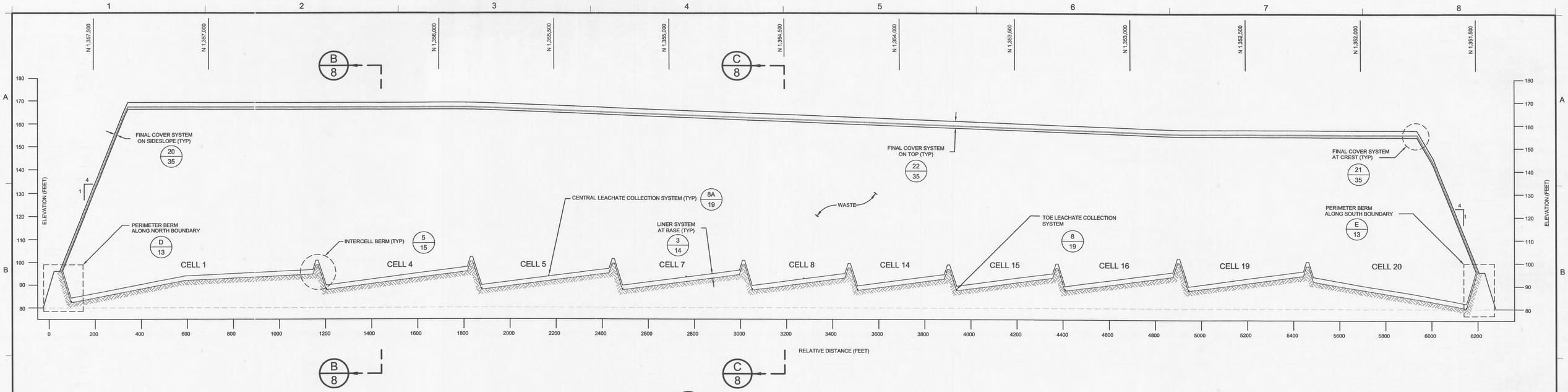
AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

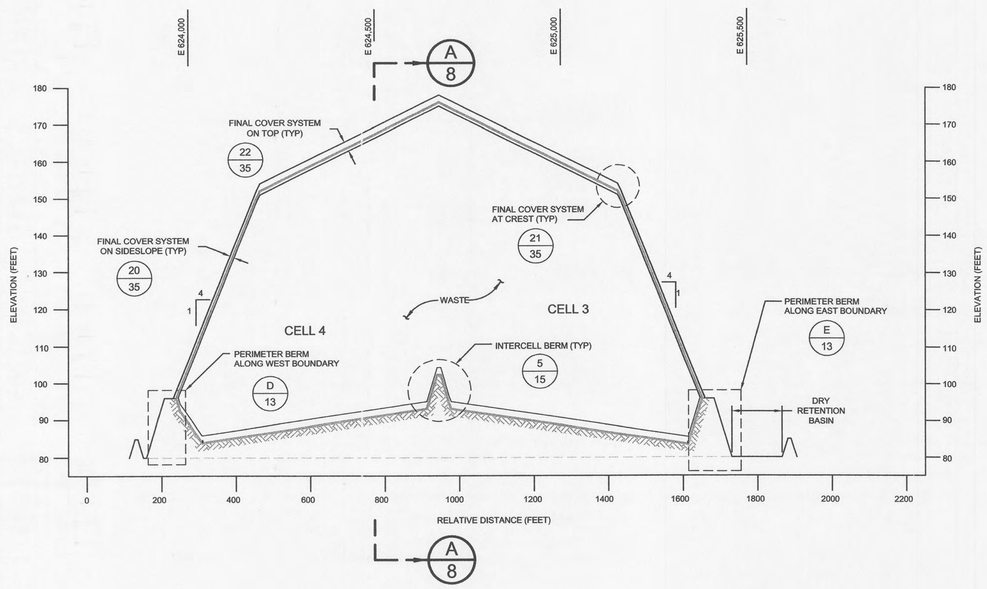
Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 200'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P100
PDF DOC NO.: GEAG-06-12
SHEET NO.: 11 OF 40

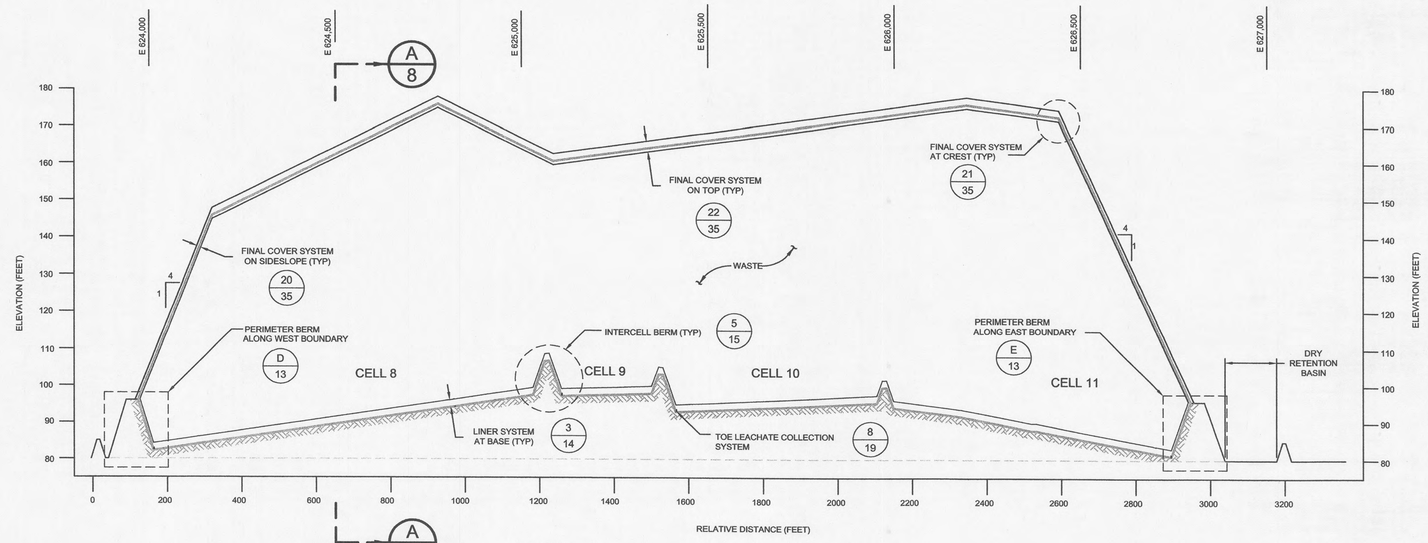
PERMIT DRAWING



A 8 SECTION
LANDFILL CROSS SECTION
SCALE: 1" = 200' (HOR) ; 1" = 20' (VERT)



B 8 SECTION
LANDFILL CROSS SECTION
SCALE: 1" = 200' (HOR) ; 1" = 20' (VERT)



C 8 SECTION
LANDFILL CROSS SECTION
SCALE: 1" = 200' (HOR) ; 1" = 20' (VERT)

HORIZONTAL SCALE: 0 100' 200' 400' — 1" = 200'
VERTICAL SCALE: 0 10' 20' 40' — 1" = 20'

PERMIT DRAWING

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
LANDFILL CROSS SECTIONS

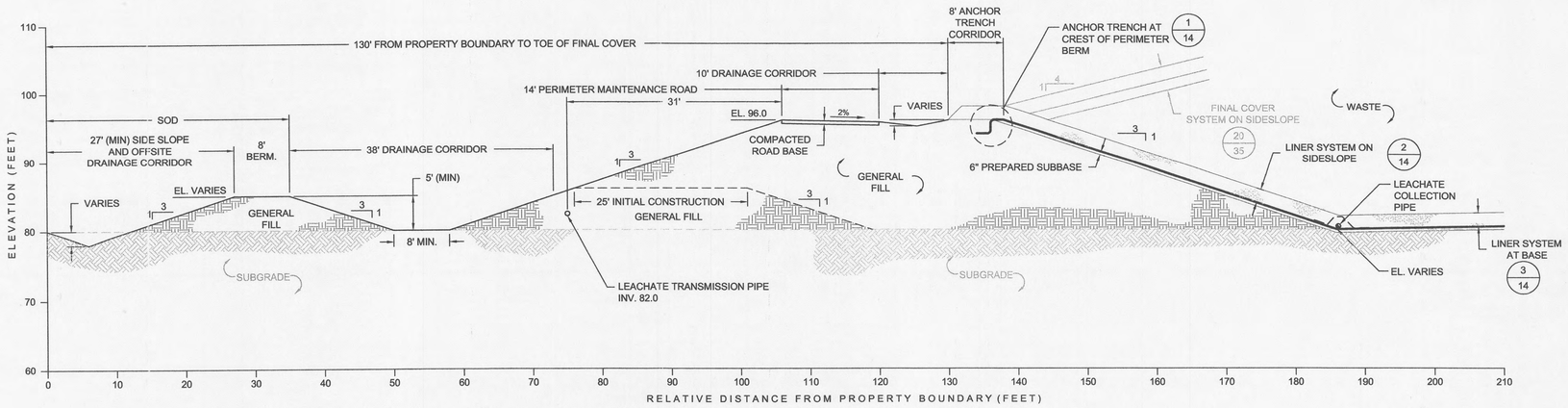
THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006
AYUSHMAN GUPTA
LICENSE NO. 54023

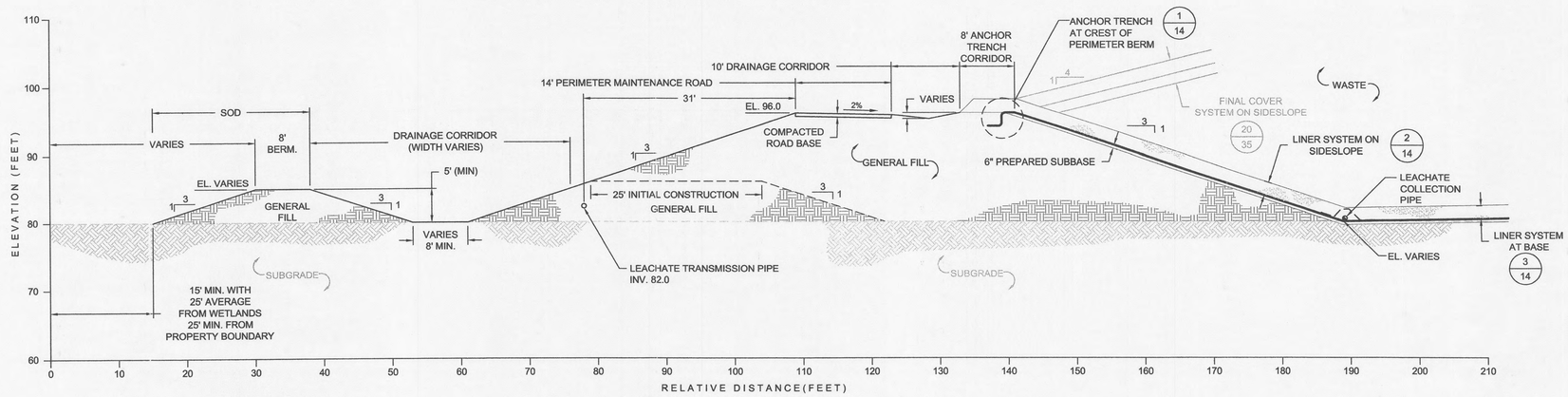
Owner/Facility:
Omni Waste of Osceola County LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0980 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P120
PDF DOC NO.: GEAG-06-12
SHEET NO.: 12 OF 40



D/8 SECTION (TYPICAL)
PERIMETER BERM ALONG WEST BOUNDARY
SCALE: 1" = 10'



E/8 SECTION (TYPICAL)
PERIMETER BERM ALONG NORTH, EAST, AND SOUTH BOUNDARY
SCALE: 1" = 10'

0 5' 10' 20'
SCALE: 1" = 10'

PERMIT DRAWING

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
PERIMETER BERM TYPICAL SECTIONS

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

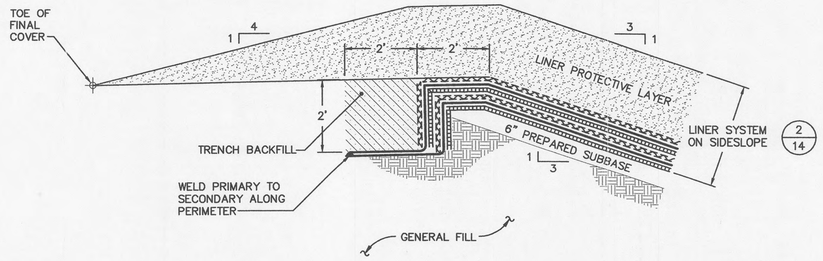
Ayupta
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

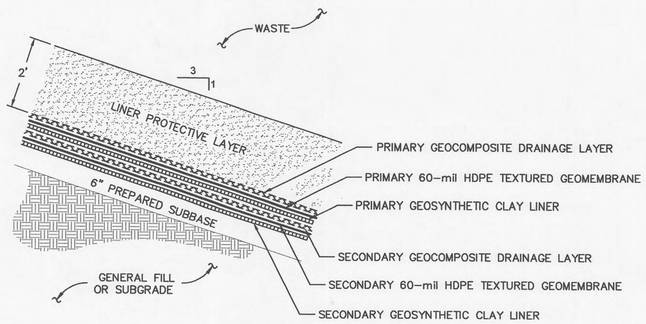
Owner/Facility:
Omni Waste of Osceola County ,LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

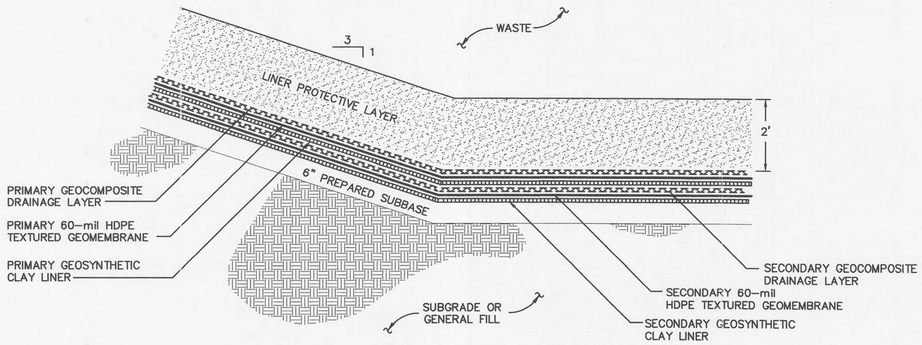
DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P130
PDF DOC NO.: GEAG-06-12
SHEET NO.: 13 OF 40



1/13 DETAIL (TYPICAL)
ANCHOR TRENCH AT CREST OF PERIMETER BERM
SCALE: 1" = 2'
XREF: 0400X0003.DWG

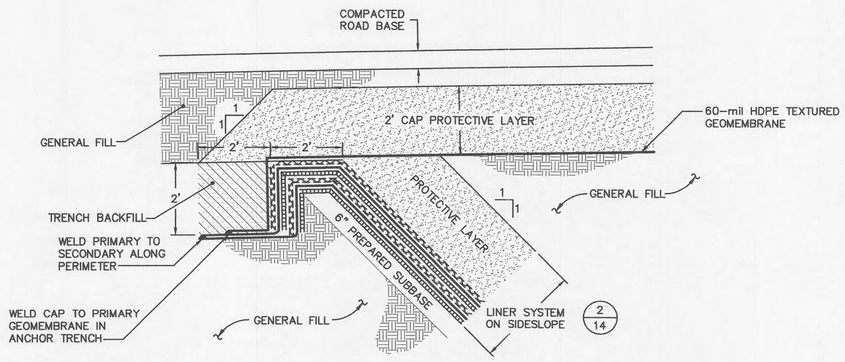


2/13 DETAIL (TYPICAL)
LINER SYSTEM ON SIDESLOPE
SCALE: 1" = 2'
XREF: 0400X0074.DWG



TYPICAL LINER SYSTEM AT BASE

3/12 DETAIL (TYPICAL)
LINER SYSTEM AT BASE
SCALE: 1" = 2'
XREF: 0400X0004.DWG



4/17 DETAIL (TYPICAL)
ANCHOR TRENCH AT CREST OF SUMP
SCALE: 1" = 2'
XREF: 0400X0105.DWG

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
LINER SYSTEM DETAILS I

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006
AYUSHMAN GUPTA
LICENSE NO. 54023

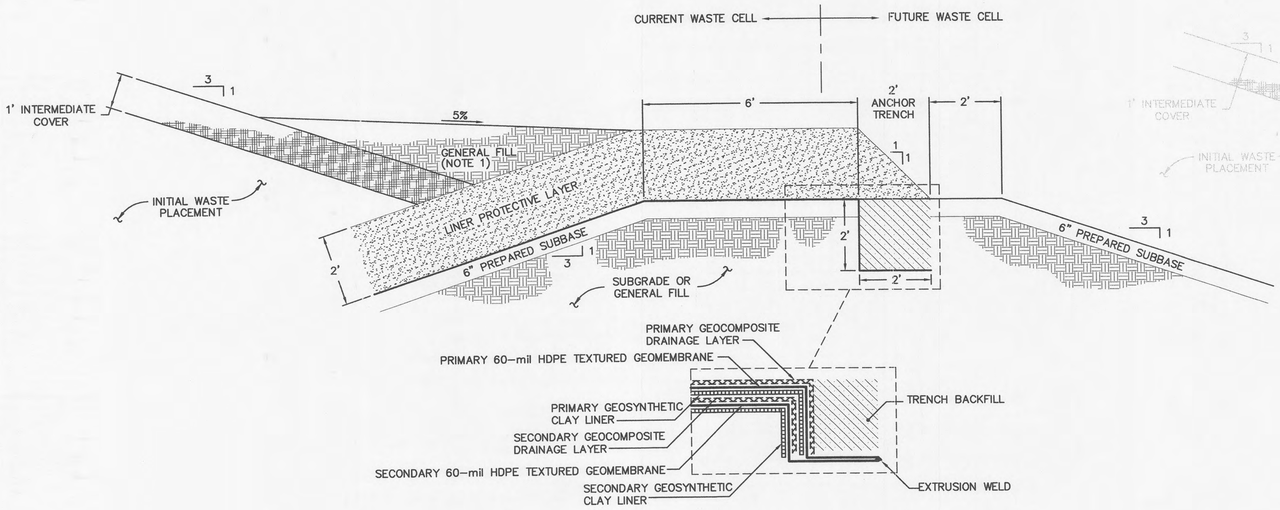
Owner/Facility:
omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

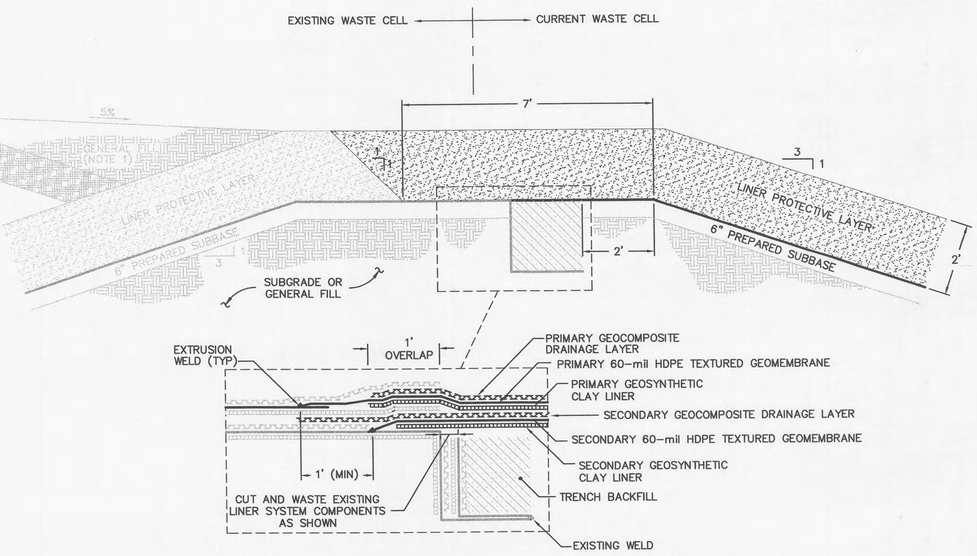
DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P140
PDF DOC NO.: GEAG-06-12
SHEET NO.: 14 OF 40

SCALE: 0 1' 2' 4' — 1" = 2'

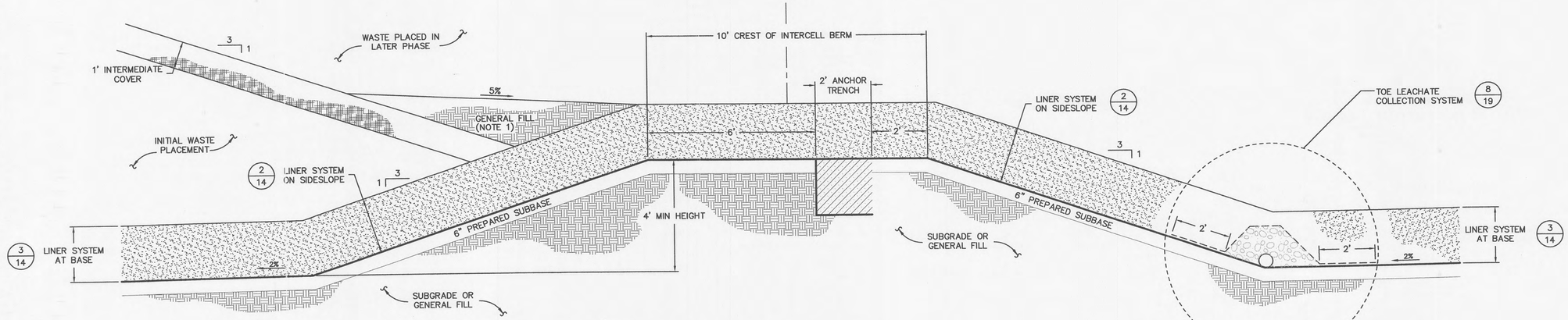
PERMIT DRAWING



TYPICAL TEMPORARY LINER SYSTEM TERMINATION AT INTERCELL BERM



TYPICAL LINER SYSTEM TIE-IN AT INTERCELL BERM



5/8 DETAIL (TYPICAL) LINER SYTEM AT INTERCELL BERMS

SCALE: 1" = 2'

XREF: 0400X0081.DWG

NOTE:

1. GENERAL FILL SHALL BE PLACED AFTER PLACEMENT OF INTERMEDIATE COVER TO FACILITATE DRAINAGE OF SURFACE WATER.

SCALE: 0 1' 2' 4' — 1" = 2'

PERMIT DRAWING

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
LINER SYSTEM DETAILS II

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

Agupta
8 SEP 2006
AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
mni Waste of Osceola County ,LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P150
PDF DOC NO.: GEAG-06-12
SHEET NO.: 15 OF 40

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

LEACHATE COLLECTION SUMP PLAN

6/8 DETAIL (TYPICAL)
SECONDARY LEACHATE SUMP PLAN
SCALE: 1" = 10'

7/10 DETAIL (TYPICAL)
PRIMARY LEACHATE SUMP PLAN
SCALE: 1" = 10'

0 5' 10' 20'
SCALE: 1" = 10'

PERMIT DRAWING

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR (BID OR CONSTRUCTION

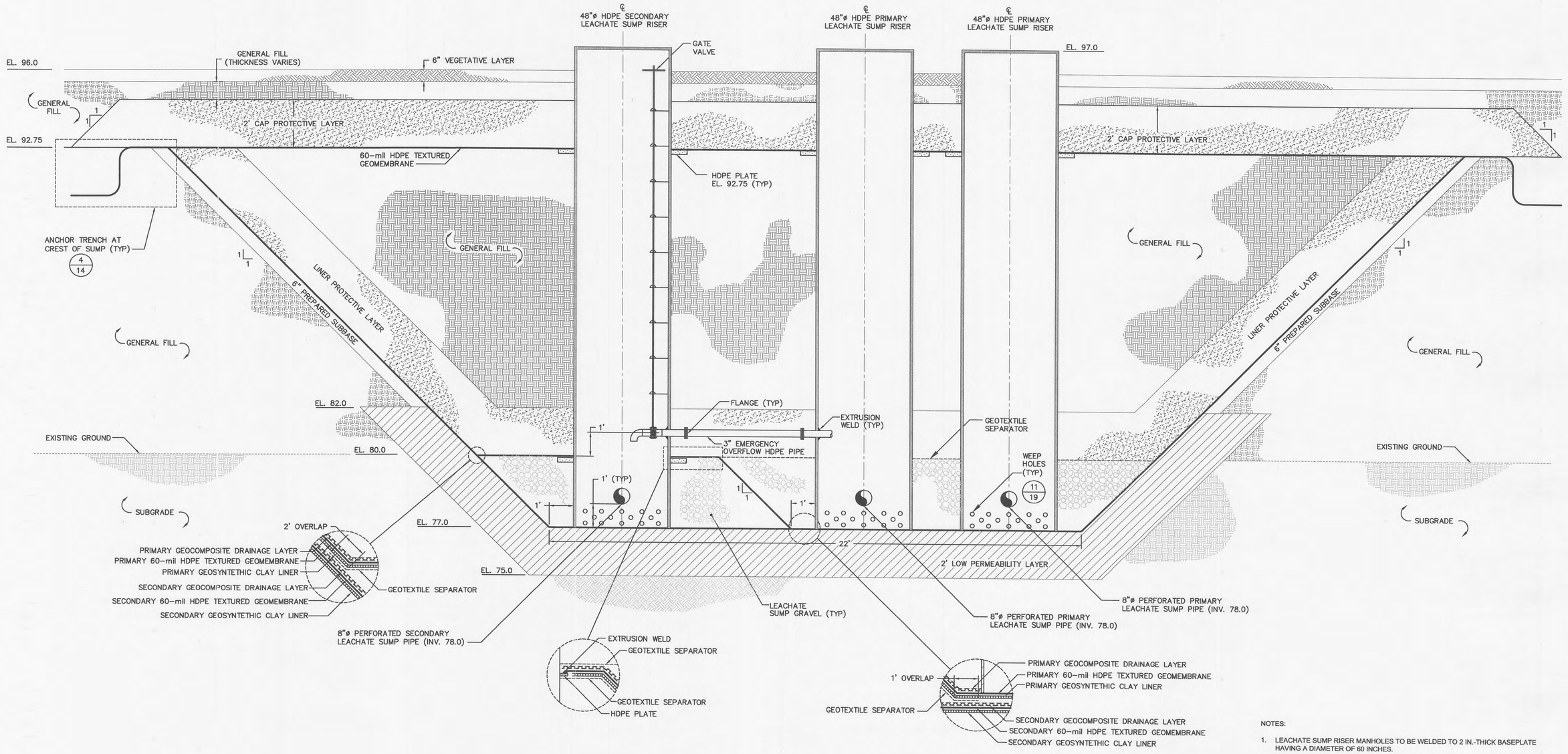
A Gupta
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
Omni Waste
of Osceola County LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 10'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P16C
PDF DOC NO.: GEAG-06-12
SHEET NO.: 16 OF 40



F/16 SECTION (TYPICAL)
LEACHATE COLLECTION SYSTEM SUMP RISERS

SCALE: 1" = 2'

XREF: 0400XA016.DWG

NOTES:

1. LEACHATE SUMP RISER MANHOLES TO BE WELDED TO 2 IN.-THICK BASEPLATE HAVING A DIAMETER OF 60 INCHES.
2. LEACHATE SUMP RISER MANHOLES TO BE PROVIDED WITH SEALABLE TOP COVER AS APPROVED BY THE ENGINEER.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
LEACHATE COLLECTION SUMP CROSS SECTIONS I

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

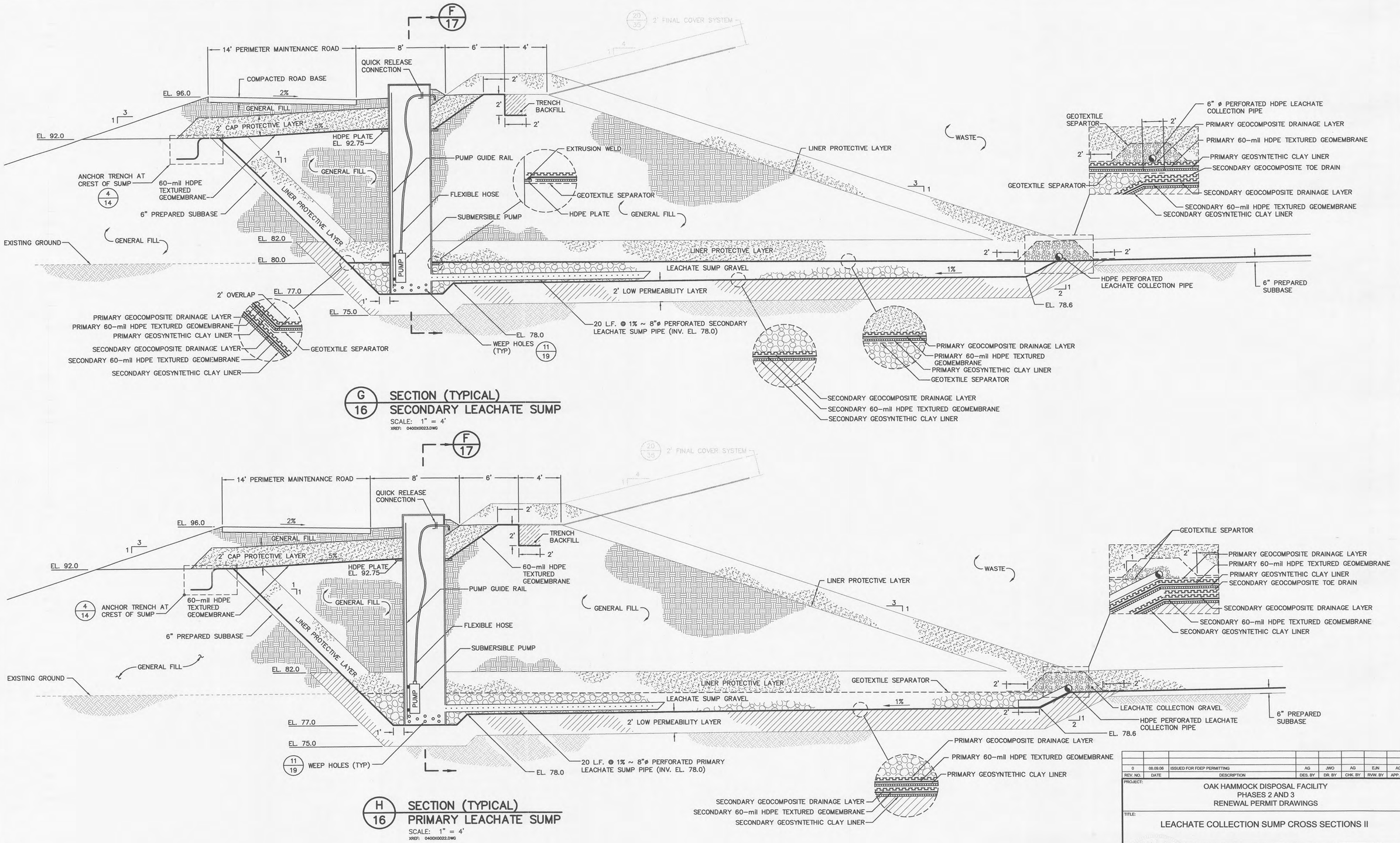
Owner/Facility:
Omni Waste of Osceola County LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P170
PDF DOC NO.: GEAG-06-12
SHEET NO.: 17 OF 40

SCALE: 0 1' 2' 4' 1" = 2'

PERMIT DRAWING



G/16 SECTION (TYPICAL)
SECONDARY LEACHATE SUMP
SCALE: 1" = 4'
XREF: 0400X0023.DWG

H/16 SECTION (TYPICAL)
PRIMARY LEACHATE SUMP
SCALE: 1" = 4'
XREF: 0400X0022.DWG

0 2' 4' 8'
SCALE: 1" = 4'

PERMIT DRAWING

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
LEACHATE COLLECTION SUMP CROSS SECTIONS II

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR CID OR CONSTRUCTION

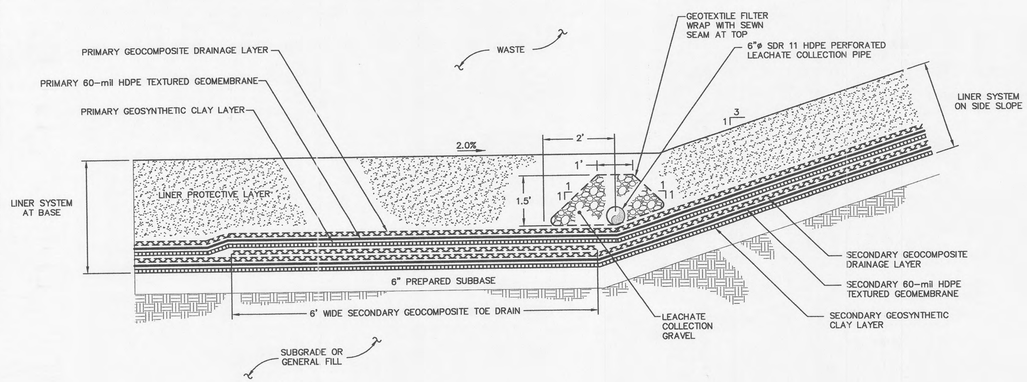
Ayushman Gupta
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
Omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

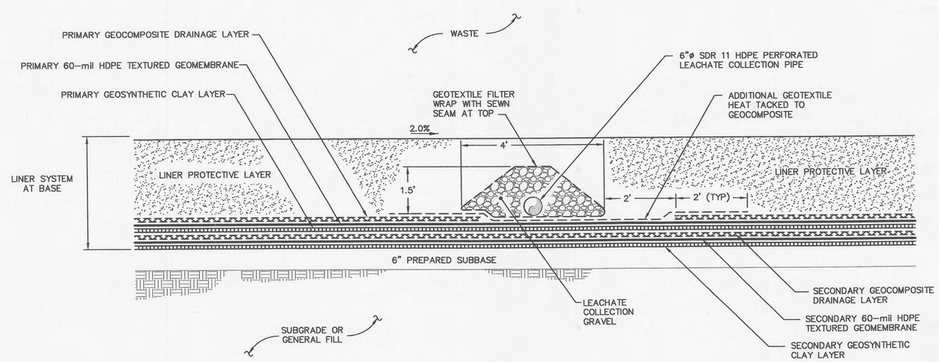
Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P180
PDF DOC NO.: GEAG-06-12
SHEET NO.: 18 OF 40



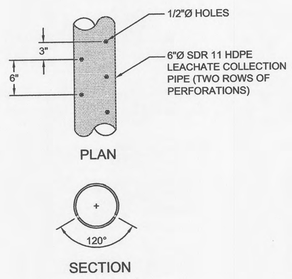
8/10 DETAIL (TYPICAL)
TOE LEACHATE COLLECTION SYSTEM

SCALE: 1" = 2'
XREF: FL0957.01F01005.DWG



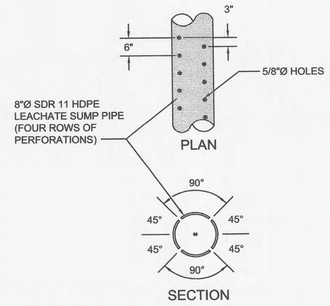
8A/10 DETAIL (TYPICAL)
CENTRAL LEACHATE COLLECTION SYSTEM

SCALE: 1" = 2'
XREF: FL0957.01F01004.DWG



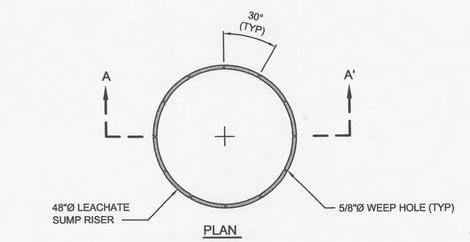
9/- DETAIL (TYPICAL)
PERFORATION FOR LEACHATE COLLECTION PIPES

SCALE: NTS
XREF: FL0916.02X008.DWG



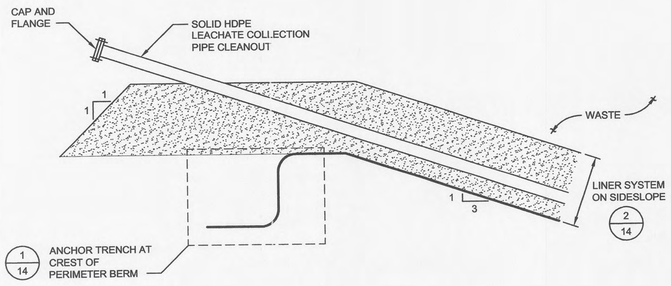
10/16 DETAIL (TYPICAL)
PERFORATION FOR LEACHATE SUMP PIPES

SCALE: NTS
XREF: FL0916.02X010.DWG

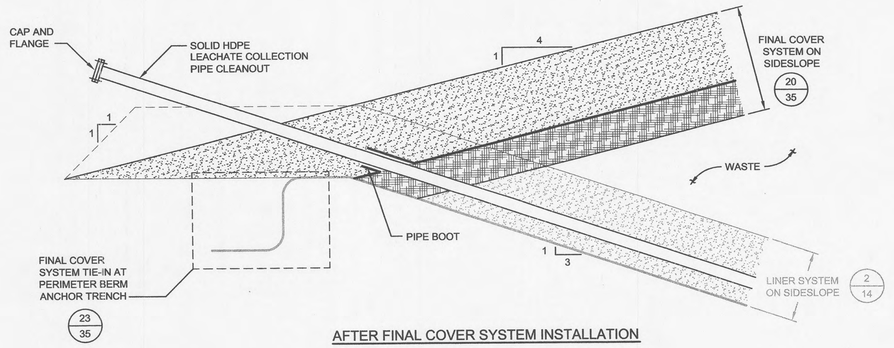


11/17 DETAIL (TYPICAL)
WEEP HOLES AT BASE OF LEACHATE SUMP RISERS

SCALE: NTS
XREF: FL0916.02X107.DWG



AFTER LINER SYSTEM INSTALLATION



AFTER FINAL COVER SYSTEM INSTALLATION

12/10 DETAIL (TYPICAL)
LEACHATE COLLECTION PIPE CLEANOUT

SCALE: 1" = 2'
XREF: FL0916.02X106.DWG

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
LEACHATE COLLECTION SYSTEM DETAILS

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

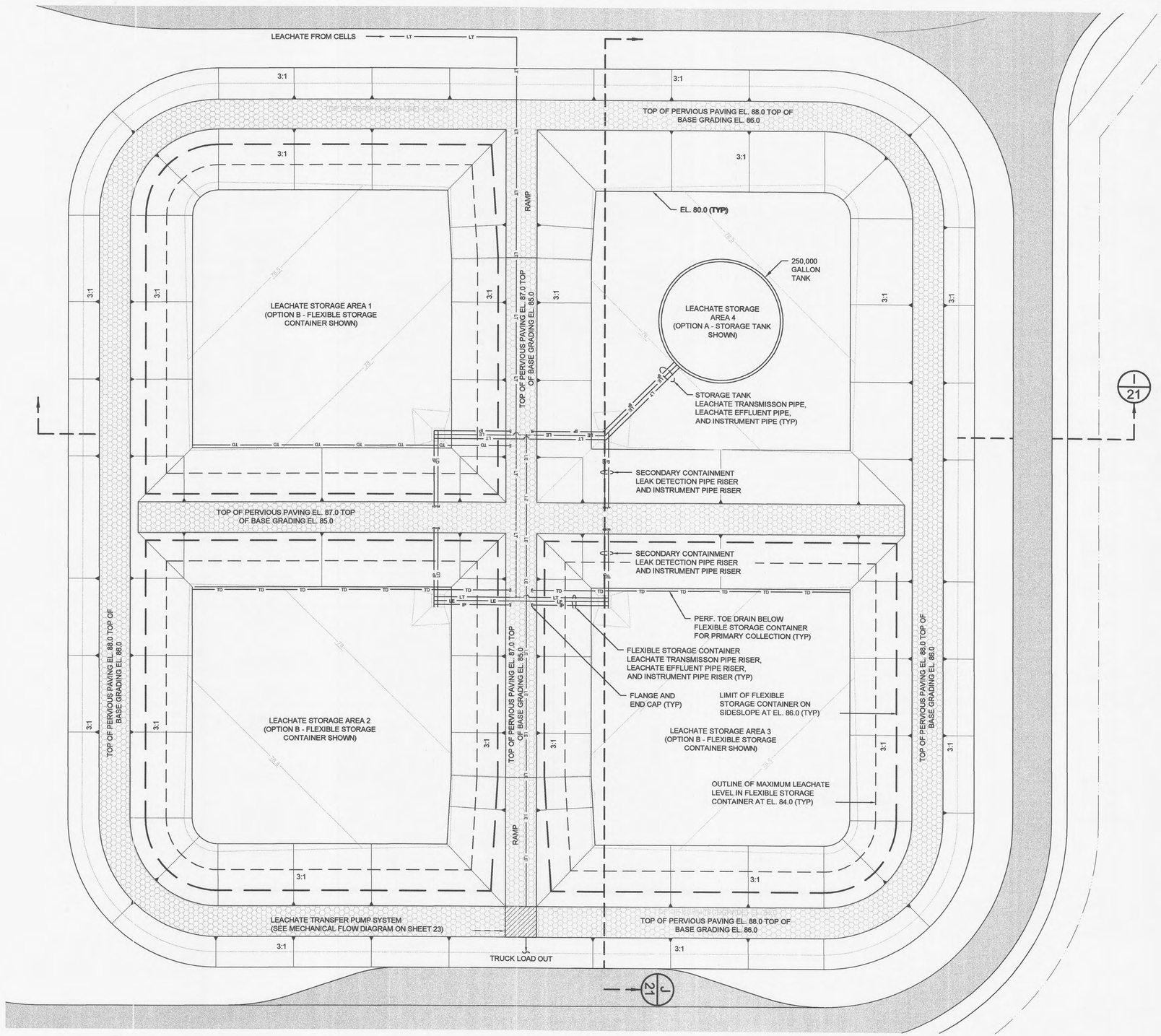
Owner/Facility:
Omni Waste of Osceola County ,LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P190
PDF DOC NO.: GEAG-06-12
SHEET NO.: 19 OF 40

0 1' 2' 4'
SCALE: 1" = 2'

PERMIT DRAWING



LEACHATE STORAGE FACILITY

SCALE: 1" = 20'

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	AG	EJN

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

LEACHATE STORAGE FACILITY PLAN

THIS DRAWING MAY NOT BE ISSUED FOR PROJECT TENDER OR CONSTRUCTION, UNLESS SEALED

11 SEPT 06

ERIK NELSON
LICENSE NO. 60492

Owner/Facility:

Omni Waste of Osceola County ,LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

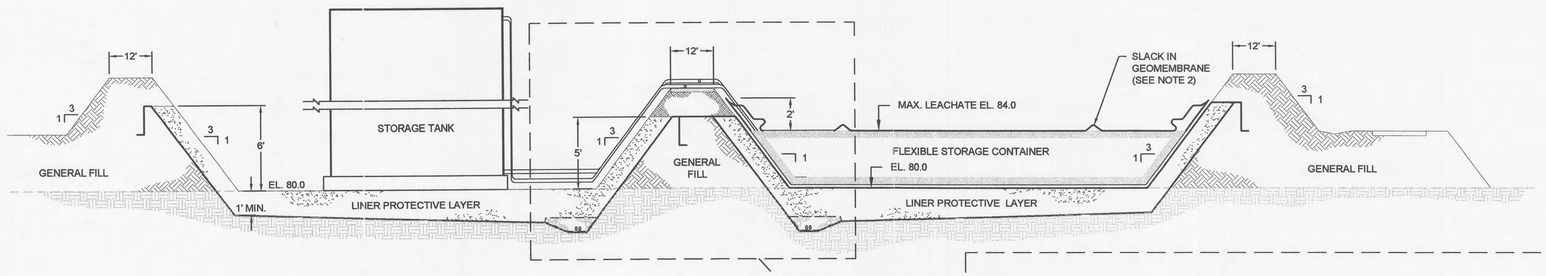
Consultant/Engineer:

GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

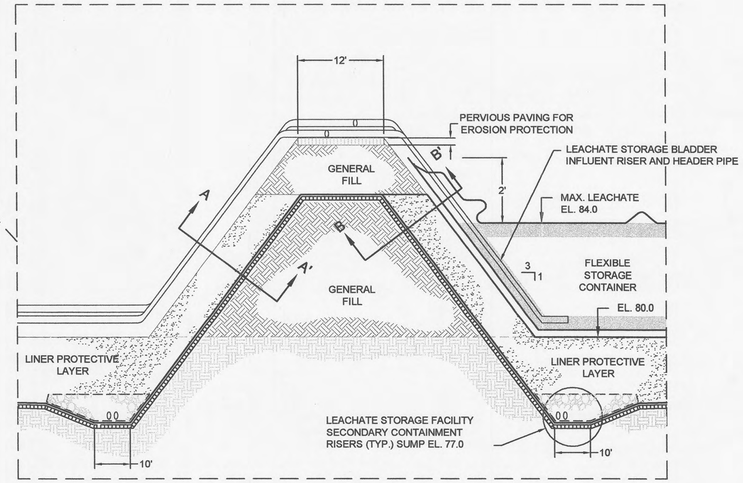
DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P200
SHEET NO.: 20 OF 41

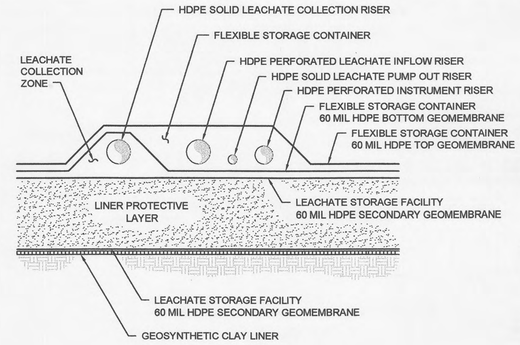
PERMIT DRAWING

I:\FL0916-OSCEOLA\FL0916-02\Dwgs-Renewal\FL0916-02P200.dwg, 8/31/2006 3:04:48 PM, jwatpole

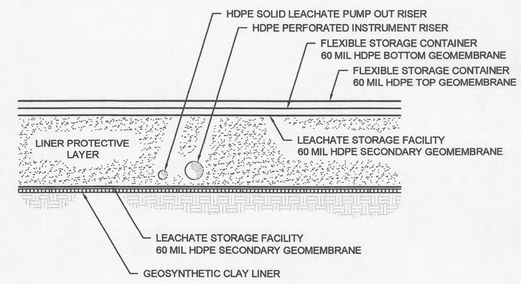


I/20 SECTION
LEACHATE STORAGE FACILITY
SCALE: 1" = 20' H, 1" = 5' V

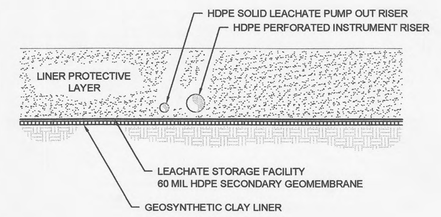




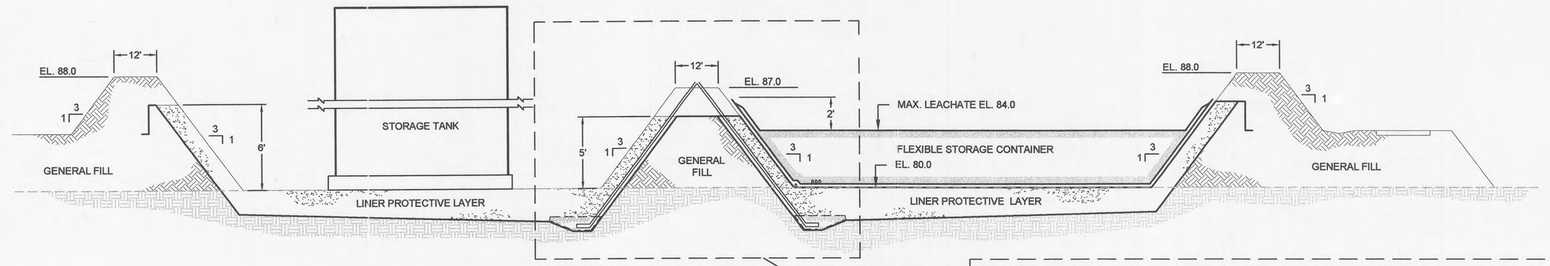
SECTION A-A'
SCALE: 1" = 2'



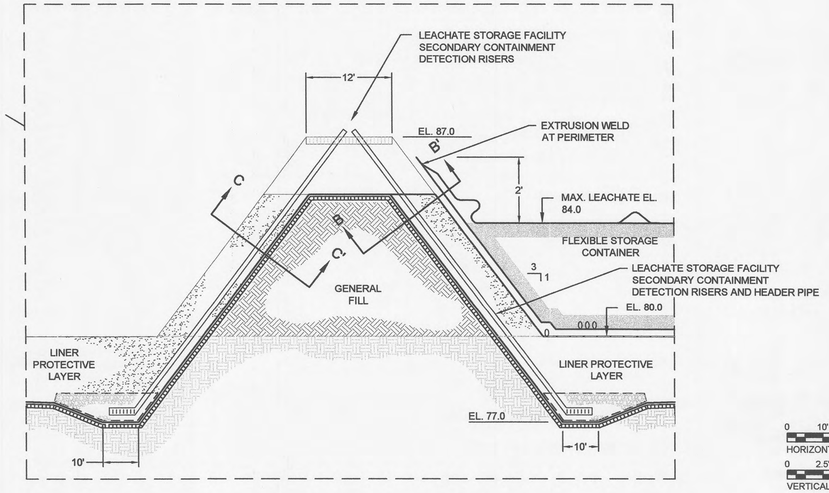
SECTION B-B'
SCALE: 1" = 2'



SECTION C-C'
SCALE: 1" = 2'



J/20 SECTION
LEACHATE STORAGE FACILITY SECTION
SCALE: 1" = 20' H, 1" = 5' V



NOTE.

1. ELEVATIONS ON DETAILS REFER TO PERMANENT LEACHATE STORAGE TANK AREA. FOR INTERIM LEACHATE STORAGE TANK AREA BUILT FOR PHASE 1 AND PHASE 2 AS SHOWN ON SHEET 24 OF 50, ALL REFERENCED ELEVATIONS SHALL BE MAINTAINED.
2. TOP GEOMEMBRANE OF FLEXIBLE STORAGE CONTAINER SHALL EQUAL DIMENSIONS OF BOTTOM GEOMEMBRANE SUCH THAT BOTH GEOMEMBRANES LAY FLAT WHEN CONTAINER IS EMPTY.

0 10' 20' 40'
HORIZONTAL SCALE: 1" = 20'
0 2.5' 5' 10'
VERTICAL SCALE: 1" = 5'

PERMIT DRAWING

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.08	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	AG	EJN

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
LEACHATE STORAGE FACILITY CROSS SECTIONS

THIS DRAWING MAY NOT BE ISSUED FOR PROJECT TENDER OR CONSTRUCTION, UNLESS SEALED

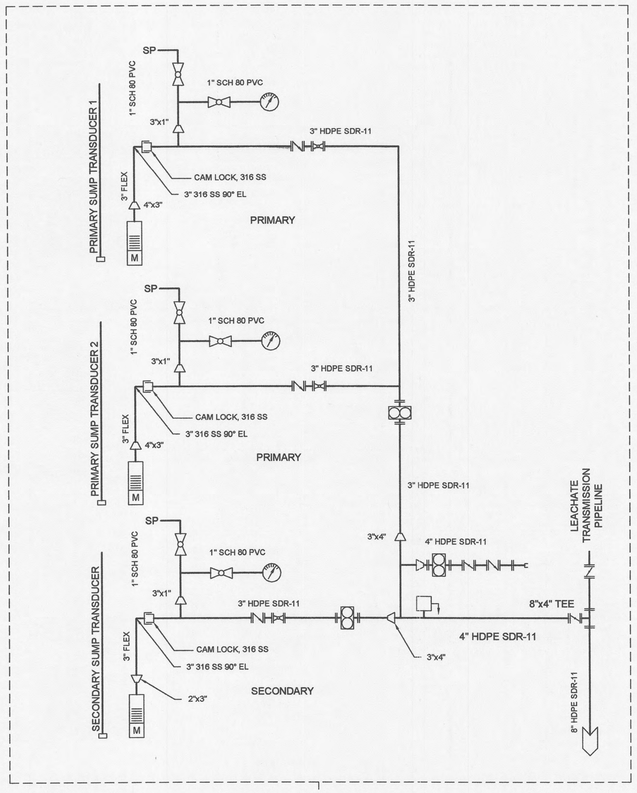
ERIK NELSON
LICENSE NO. 60492

Owner/Facility:
Omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

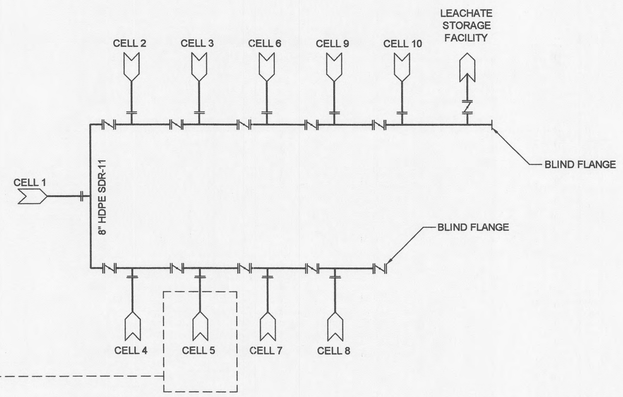
Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2008
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P210
SHEET NO.: 21 OF 41

I:\FL0916\CAD\EPS\FL0916-02Dwg-Renewal\TLB916-02P210.dwg, 8/11/2008 5:33:39 PM, JeffHyde



LEACHATE COLLECTION SUMP
MECHANICAL FLOW DIAGRAM
SCALE: NTS



LEACHATE TRANSMISSION PIPELINE
SCALE: NTS

LEGEND

- FLANGED CONNECTION
- CONCENTRIC REDUCER
- ATMOSPHERE VENT
- GATE VALVE
- BALL VALVE
- CHECK VALVE
- AIR ELIMINATOR
- CAMLOCK CONNECTION
- QUICK RELEASE CONNECTION
- FLOW CONTINUATION
- FLOW METER
- PRESSURE GUAGE
- HORIZONTAL CENTRIFUGAL PUMP (PC)
- SUBMERSIBLE CENTRIFUGAL PUMP, MOTOR DRIVEN (PS)
- STORAGE TANK (T)
- MOTOR OR PISTON ACTUATOR M = MOTOR, P = PISTON
- SAMPLE POINT

OPERATIONAL NOTES: (MECHANICAL FLOW DIAGRAM)

1. PUMP OPERATION IS CONTROLLED BY LEVEL TRANSDUCERS MOUNTED IN STILLING WELLS IN THE SUMPS.
2. THE PRIMARY LEACHATE SUMP WILL BE EQUIPPED WITH 4 SET POINTS. THE FIRST HIGH LEVEL SETPOINT WILL ACTIVATE ONE PUMP. IF THE INFLOW TO THE PUMP EXCEEDS THE PUMP CAPACITY AND THE LEACHATE LEVEL CONTINUES TO RISE, THEN A SECOND HIGH LEVEL SETPOINT WILL ACTIVATE THE SECOND PUMP. IF THE LEVEL OF LEACHATE IN THE PRIMARY LEACHATE SUMP REACHES THE ALARM LEVEL SWITCH, AN ALARM THAT WILL SIGNAL POTENTIAL PUMPING PROBLEMS WITHIN THE SUMPS WILL BE ACTIVATED.
3. THE SECONDARY LEACHATE SUMP WILL BE EQUIPPED WITH ONE LEVEL TRANSDUCER. THE HIGH LEVEL SETPOINT WILL ACTIVATE THE SECONDARY LEACHATE SUMP PUMP IN THE EVENT SUFFICIENT LEACHATE ACCUMULATES IN THE SECONDARY SUMP. THE SECONDARY LEACHATE SUMP WILL ALSO BE HYDRAULICALLY CONNECTED TO THE PRIMARY SUMPS TO PROVIDE BACKUP PUMPING CAPACITY IN THE EVENT INFLOW TO THE PRIMARY SUMP EXCEEDS THE PUMPING CAPACITY OF THE PRIMARY PUMPS OR IN THE EVENT OF A PRIMARY SUMP PUMP FAILURE. IF THE LEVEL OF LEACHATE IN THE SECONDARY LEACHATE SUMP REACHES THE HIGH HIGH LEVEL SETPOINT, AN ALARM THAT WILL SIGNAL POTENTIAL PUMPING PROBLEMS WITHIN THE SUMPS WILL ACTIVATE.
4. FLOW TOTALIZERS WILL RECORD THE AMOUNT OF LEACHATE PUMPED FROM THE PRIMARY AND SECONDARY SUMPS.
5. THE MAIN CONTROL SYSTEM WILL MONITOR THE NUMBER OF PUMPS OPERATING AT ANY ONE TIME. THE CONTROL SYSTEM WILL ONLY ALLOW 4 PUMPS TO RUN AT A TIME. THIS IS DONE TO LIMIT THE AMOUNT OF WATER PUMPED THROUGH THE TRANSMISSION PIPELINE TO 800 GPM.

PERMIT DRAWING

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	AG	EJN

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
LEACHATE MANAGEMENT SYSTEM SCHEMATIC DIAGRAM I

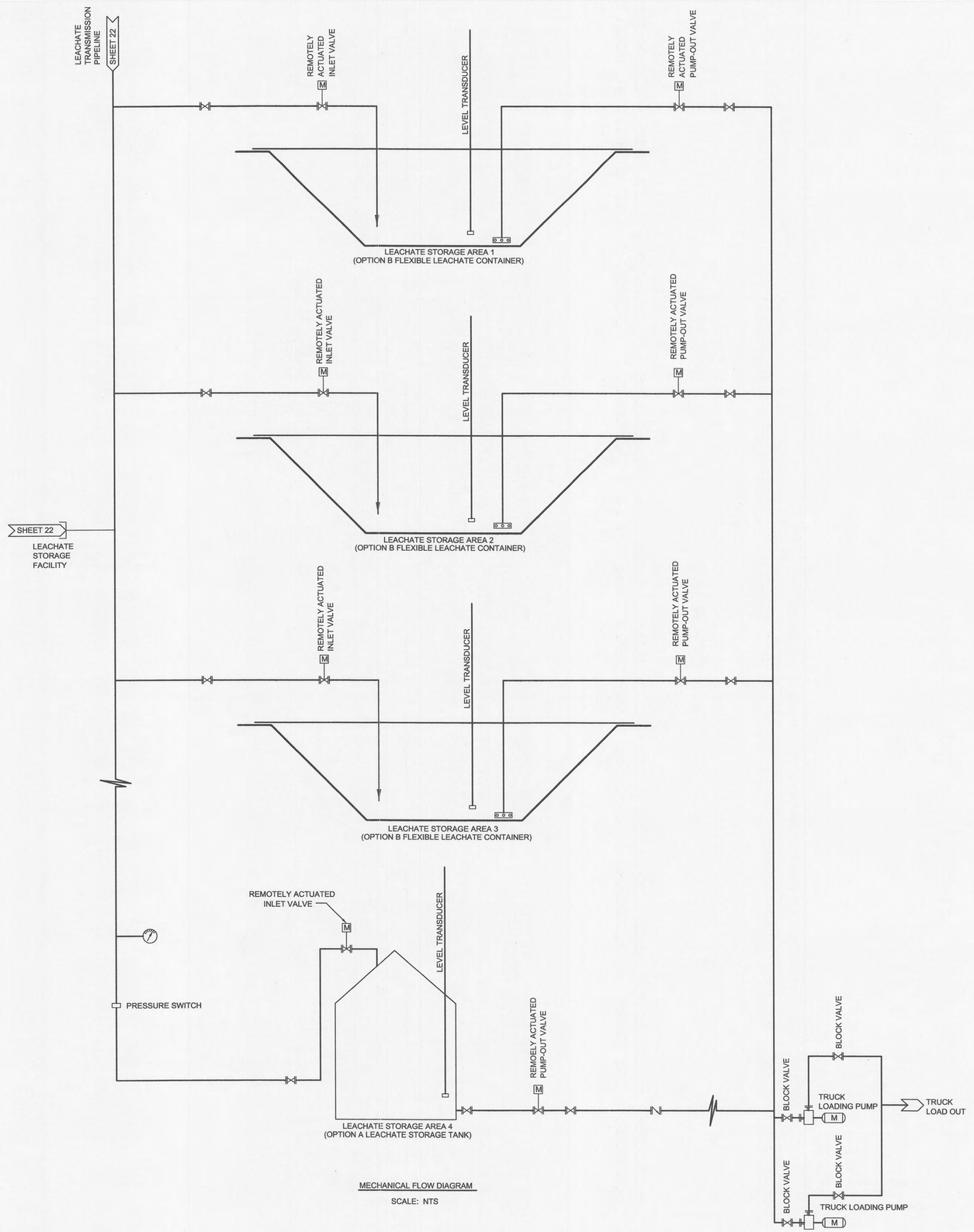
THIS DRAWING MAY NOT BE ISSUED FOR PROJECT TENDER OR CONSTRUCTION, UNLESS SEALED

ERIK NELSON
LICENSE NO. 60492

Owner/Facility:
omni Waste of Osceola County LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P220
SHEET NO.: 22 OF 41



MECHANICAL FLOW DIAGRAM

SCALE: NTS

LEGEND

- FLANGED CONNECTION
- CONCENTRIC REDUCER
- ATMOSPHERE VENT
- GATE VALVE
- BALL VALVE
- CHECK VALVE
- AIR ELIMINATOR
- CAMLOCK CONNECTION
- QUICK RELEASE CONNECTION
- FLOW CONTINUATION
- HORIZONTAL CENTRIFUGAL PUMP (PC)
- SUBMERSIBLE CENTRIFUGAL PUMP, MOTOR DRIVEN (PS)
- STORAGE TANK (T)
- MOTOR OR PISTON ACTUATOR M = MOTOR, P = PISTON
- SAMPLE POINT (SP)

OPERATIONAL NOTES:

1. LEACHATE LEVEL IN THE STORAGE CONTAINERS AND THE STORAGE TANK ARE CONTROLLED BY LEVEL TRANSDUCER INSTALLED IN EACH TANK. SWITCH ACTIVATIONS WILL BE MONITORED BY A MAIN CONTROL PANEL.
2. IF THE HIGH LEVEL SWITCH IS ACTIVATED IT WILL SEND A SIGNAL TO THE MAIN CONTROL PANEL TO SHUT THE REMOTELY ACTUATED INLET VALVE PREVENTING ADDITIONAL LEACHATE FROM ENTERING THE TANK.
3. IF AN INLET VALVE FAILS TO CLOSE ALLOWING THE TANK TO CONTINUE FILLING, THE HIGH HIGH LEVEL SWITCH WILL BE ACTIVATED. THE HIGH HIGH LEVEL SWITCH WILL ACTIVATE AN ALARM INDICATING THAT THE TANK IS FILLED BEYOND NORMAL OPERATING CAPACITY AND SHUT DOWN ALL LEACHATE SUMP PUMPS AT THE LANDFILL.
4. IF ALL INLET VALVES (REMOTELY ACTUATED OR MANUALLY ACTUATED BLOCK VALVES) ARE ACCIDENTALLY CLOSED, THE PRESSURE SWITCH LOCATED IN THE TRANSMISSION LINE WILL REGISTER A HIGH PRESSURE CONDITION AND SHUT DOWN ALL LEACHATE SUMP PUMPS TO PREVENT EXCESSIVE STRESSES IN THE LEACHATE TRANSMISSION PIPELINE.
5. A REMOTELY MOUNTED HAND SWITCH WILL BE LOCATED AT THE PUMP OUT STATION TO SELECT THE TANK(S) THAT WILL BE DRAWN DOWN DURING PUMP OUT OPERATIONS.
6. THE LOW LEVEL SWITCH IS INTENDED TO PROTECT THE TRUCK LOADING PUMPS. IF THE LOW LEVEL SWITCH IS ACTIVATED, THE REMOTELY ACTUATED PUMP-OUT VALVE ASSOCIATED WITH THAT TANK WILL BE CLOSED. IF ALL FOUR PUMP-OUT VALVES ARE CLOSED, THE TRUCK LOADING PUMPS WILL BE SHUT DOWN.

   ALL TANKS AND TRUCK LOADING PUMPS CAN BE ISOLATED BY MANUALLY ACTUATED BLOCK VALVES FOR MAINTENANCE OR REPAIR.
7. TWO TRUCK LOADING PUMPS ARE PROVIDED FOR SYSTEM MAINTENANCE OR IN THE EVENT OF A PUMP FAILURE.
8. THE LEAK DETECTION PORTS UNDER THE STORAGE TANK AREA CAN BE PUMPED OUT INTO THE LEACHATE STORAGE TANKS THROUGH A CAMLOCK CONNECTION LOCATED ON THE LEACHATE TRANSMISSION LINE.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	AG	EJN

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

LEACHATE MANAGEMENT SYSTEM SCHEMATIC DIAGRAM II

THIS DRAWING MAY NOT BE ISSUED FOR PROJECT TENDER OR CONSTRUCTION, UNLESS SEALED

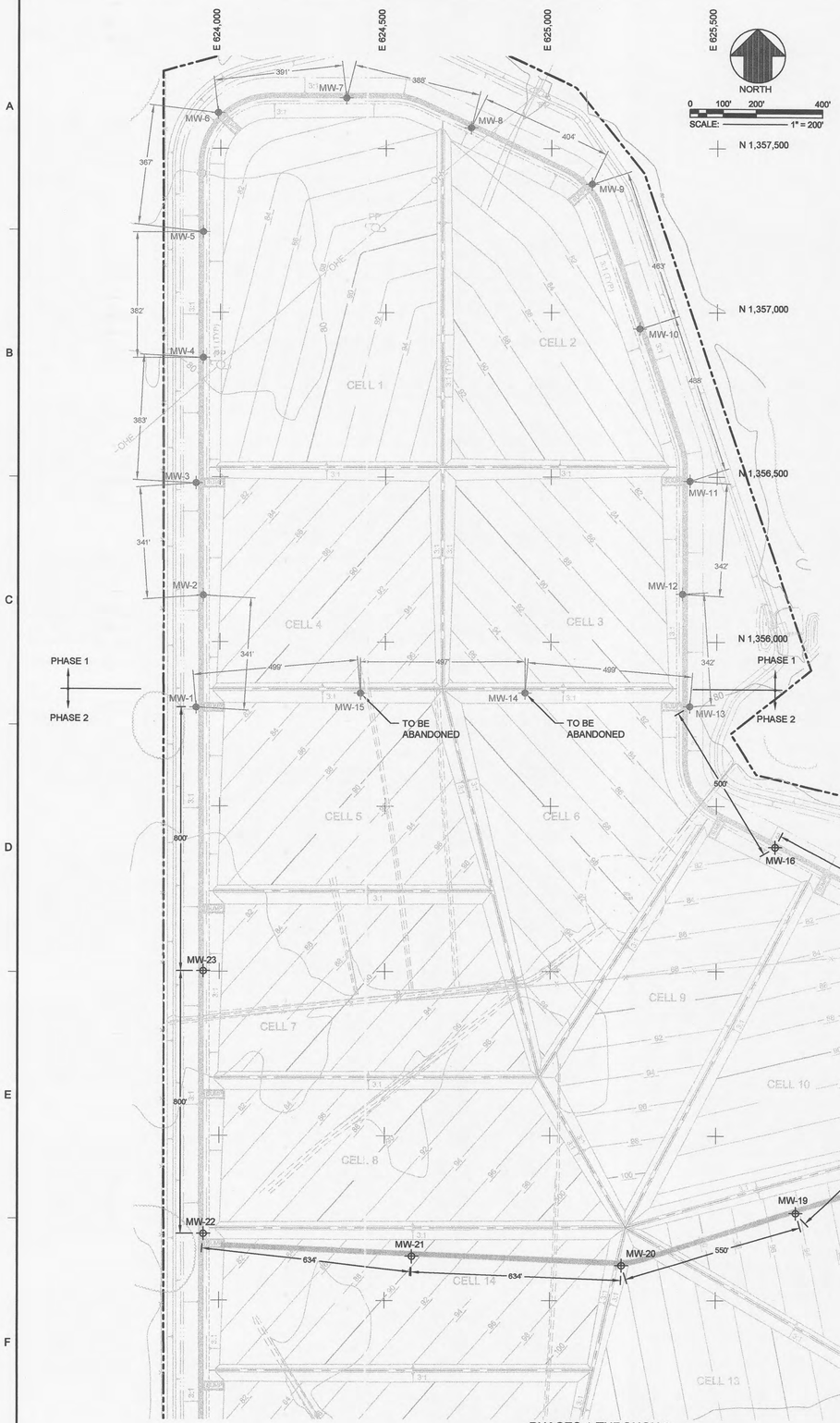
ERIK NELSON
LICENSE NO. 60492

Owner/Facility:
omni Waste
of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P230
SHEET NO.: 23 OF 41

PERMIT DRAWING



PHASES 1 THROUGH 3
GROUNDWATER MONITORING WELL LAYOUT

SCALE: 1" = 200'

LEGEND

MW-1 EXISTING GROUNDWATER MONITORING WELL LOCATION

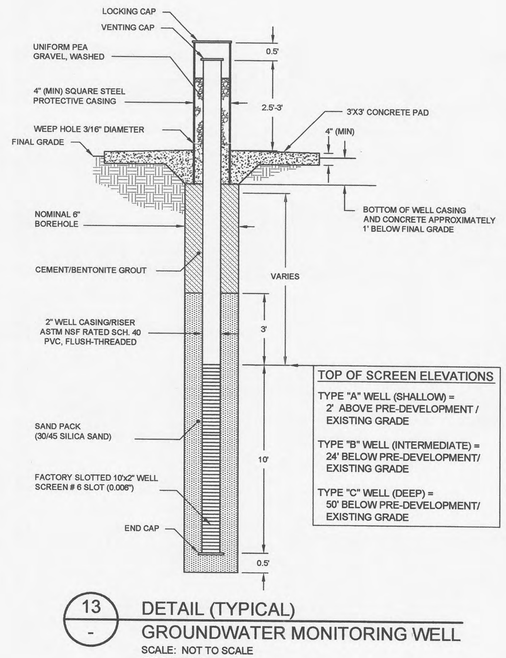
MW-16 PROPOSED GROUNDWATER MONITORING WELL LOCATION

AT EACH LOCATION A GROUP OF THREE WELLS WILL BE DRILLED TO SHALLOW, INTERMEDIATE, AND DEEP ELEVATIONS. THESE WELLS WILL BE SPACED 5 FEET APART AND ARRANGED PARALLEL TO THE PERIMETER MAINTENANCE ROAD OR INTERCELL BERM ALIGNMENTS.

EXISTING WELLS		
WELL	NORTHING	EASTING
MW-1	1355801.76	623927.76
MW-2	1356141.76	623949.18
MW-3	1356481.70	623926.60
MW-4	1356863.75	623947.95
MW-5	1357245.77	623947.30
MW-6	1357609.65	623992.77
MW-7	1357655.74	624380.68
MW-8	1357563.00	624757.34
MW-9	1357390.93	625122.57
MW-10	1356950.48	625266.36
MW-11	1356487.15	625418.09
MW-12	1356145.69	625396.67
MW-13	1355804.30	625419.26

WELLS TO BE ABANDONED		
WELL	NORTHING	EASTING
MW-14	1355846.36	624922.02
MW-15	1355845.51	624424.85

PROPOSED WELLS		
WELL	NORTHING	EASTING
MW-16	1355376.34	625677.81
MW-17	1355144.75	626120.94
MW-18	1354645.10	626139.82
MW-19	1354265.03	625742.27
MW-20	1354105.48	625215.92
MW-21	1354133.12	624582.67
MW-22	1354201.80	623952.49
MW-23	1355001.79	623951.12



TOP OF SCREEN ELEVATIONS

TYPE "A" WELL (SHALLOW) = 2' ABOVE PRE-DEVELOPMENT / EXISTING GRADE

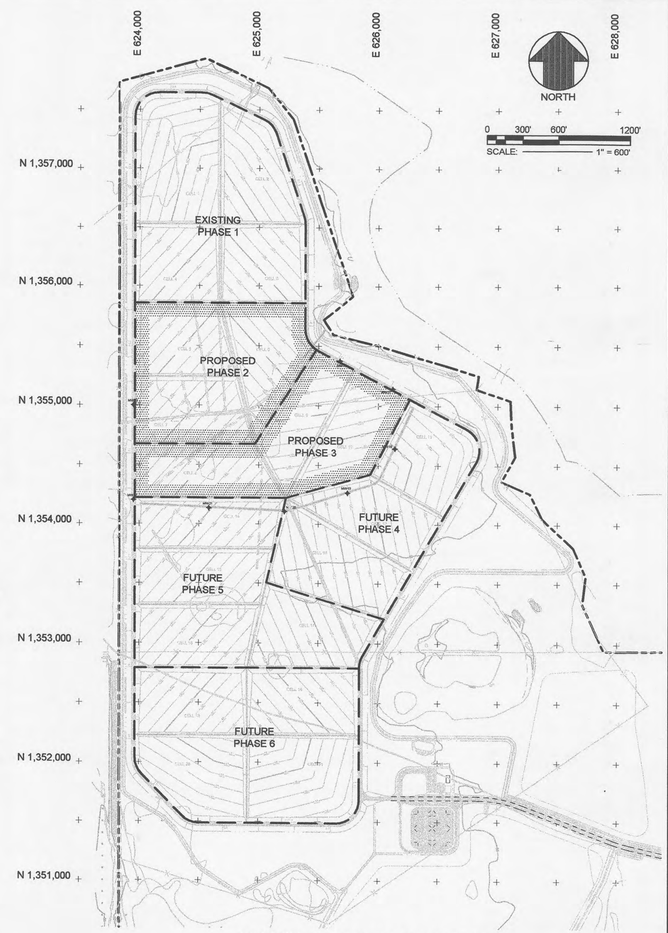
TYPE "B" WELL (INTERMEDIATE) = 24' BELOW PRE-DEVELOPMENT/ EXISTING GRADE

TYPE "C" WELL (DEEP) = 50' BELOW PRE-DEVELOPMENT/ EXISTING GRADE

13 / - DETAIL (TYPICAL)
GROUNDWATER MONITORING WELL

SCALE: NOT TO SCALE

XREF: FL0916.02/C06



LANDFILL DEVELOPMENT SEQUENCE

SCALE: 1" = 600'

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

PERMIT DRAWING

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	09.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
GROUNDWATER MONITORING NETWORK

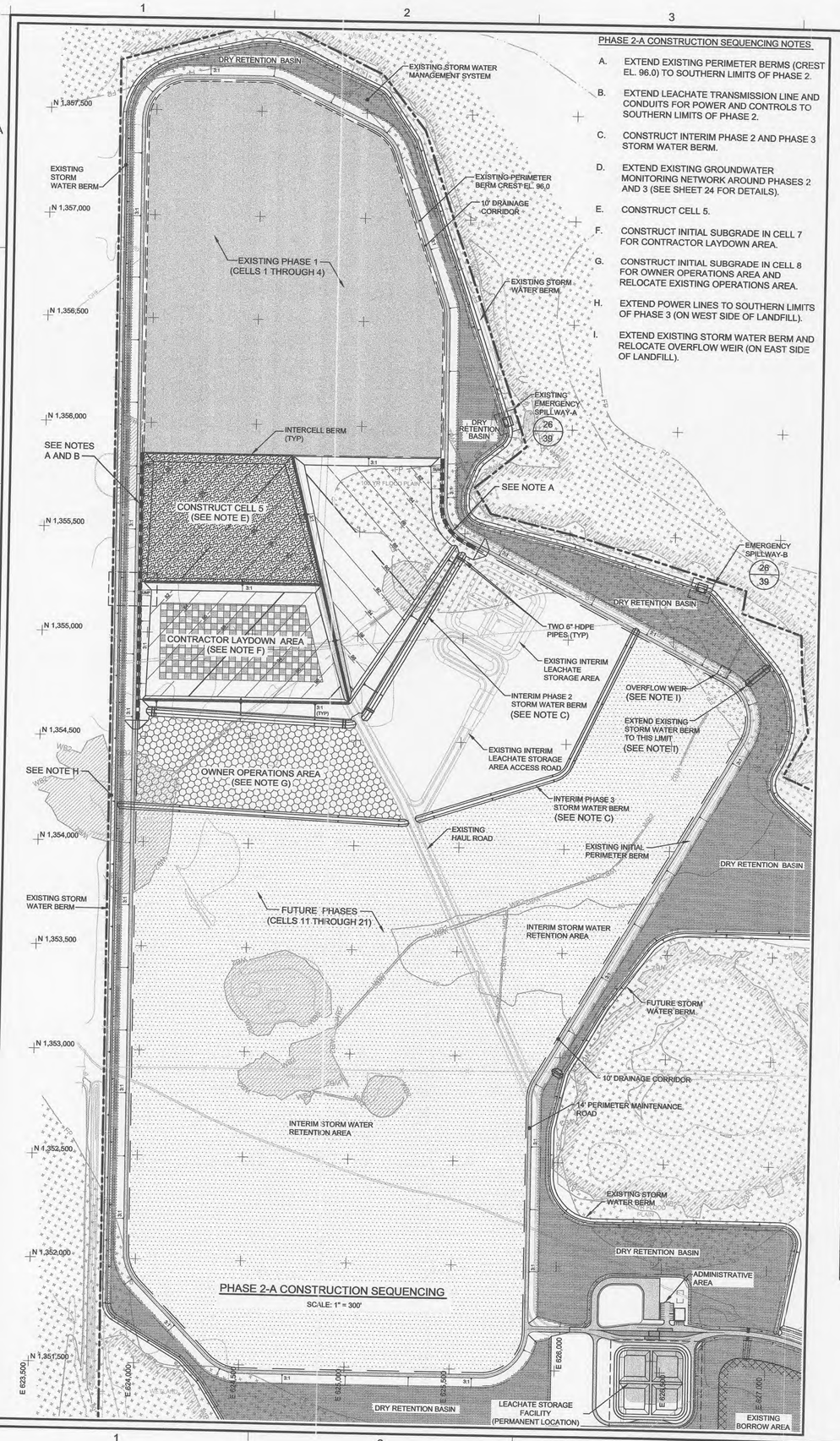
THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR 'FIT OR CONSTRUCTION'

A Gupta
8 SEP 2006
AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
omni Waste
of Osceola County ,LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GEOSYNTEC CONSULTANTS
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02\P240
PDF DOC NO.: GEAG-06-12
SHEET NO.: 24 OF 40



PHASE 2-A CONSTRUCTION SEQUENCING

SCALE: 1" = 300'

PHASE 2-A CONSTRUCTION SEQUENCING NOTES

A. EXTEND EXISTING PERIMETER BERMS (CREST EL. 96.0) TO SOUTHERN LIMITS OF PHASE 2.

B. EXTEND LEACHATE TRANSMISSION LINE AND CONDUITS FOR POWER AND CONTROLS TO SOUTHERN LIMITS OF PHASE 2.

C. CONSTRUCT INTERIM PHASE 2 AND PHASE 3 STORM WATER BERM.

D. EXTEND EXISTING GROUNDWATER MONITORING NETWORK AROUND PHASES 2 AND 3 (SEE SHEET 24 FOR DETAILS).

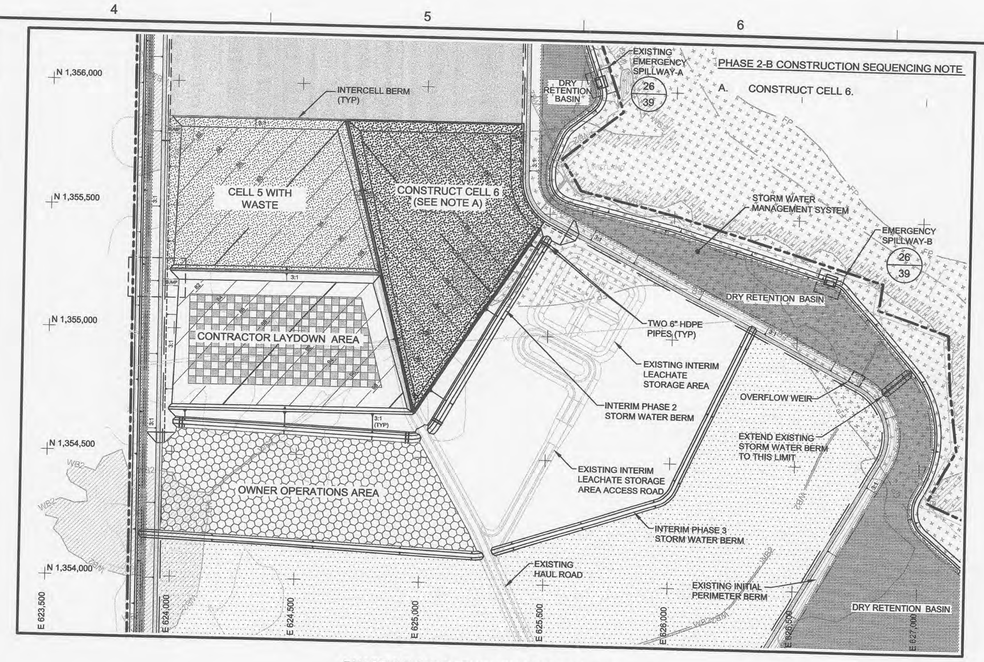
E. CONSTRUCT CELL 5.

F. CONSTRUCT INITIAL SUBGRADE IN CELL 7 FOR CONTRACTOR LAYDOWN AREA.

G. CONSTRUCT INITIAL SUBGRADE IN CELL 8 FOR OWNER OPERATIONS AREA AND RELOCATE EXISTING OPERATIONS AREA.

H. EXTEND POWER LINES TO SOUTHERN LIMITS OF PHASE 3 (ON WEST SIDE OF LANDFILL).

I. EXTEND EXISTING STORM WATER BERM AND RELOCATE OVERFLOW WEIR (ON EAST SIDE OF LANDFILL).



PHASE 2-B CONSTRUCTION SEQUENCING

SCALE: 1" = 300'

PHASE 2-B CONSTRUCTION SEQUENCING NOTE

A. CONSTRUCT CELL 6.

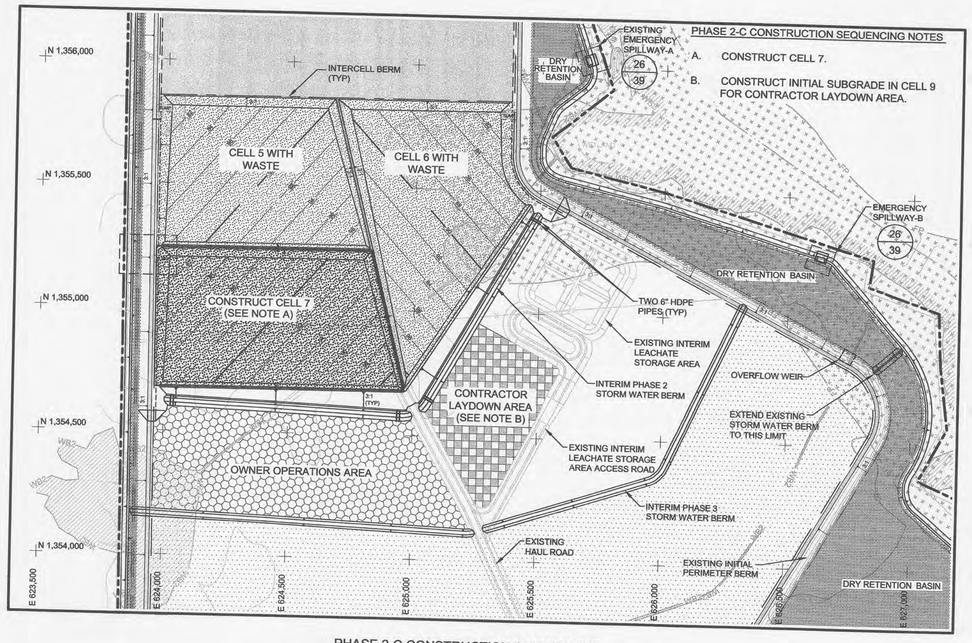
NORTH

0 150' 300' 600'

SCALE: 1" = 300'

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF INTERMITTENT STREAM
- 80 EXISTING GROUND ELEVATION (FEET) (SEE NOTE 4)
- 80 SUBBASE ELEVATION (FEET)
- EXISTING FENCE
- WB1 WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- WB2 WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING INC. (SEE NOTE 5)
- FP 100-YEAR FLOODPLAIN (SEE NOTE 6)
- STORMWATER MANAGEMENT BASINS
- BORROW AREA BOUNDARY



PHASE 2-C CONSTRUCTION SEQUENCING

SCALE: 1" = 300'

PHASE 2-C CONSTRUCTION SEQUENCING NOTES

A. CONSTRUCT CELL 7.

B. CONSTRUCT INITIAL SUBGRADE IN CELL 9 FOR CONTRACTOR LAYDOWN AREA.

PHASE 2 STORM WATER MANAGEMENT

RUNOFF FROM THE LANDFILL WILL BE DIRECTED TO, RETAINED BY, AND INFILTRATED WITHIN THE CONSTRUCTED STORM WATER MANAGEMENT SYSTEM.

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.08	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

PHASE 2 CONSTRUCTION SEQUENCING

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2008

AYUSHMANI GUPTA
LICENSE NO. 54023

Owner/Facility:

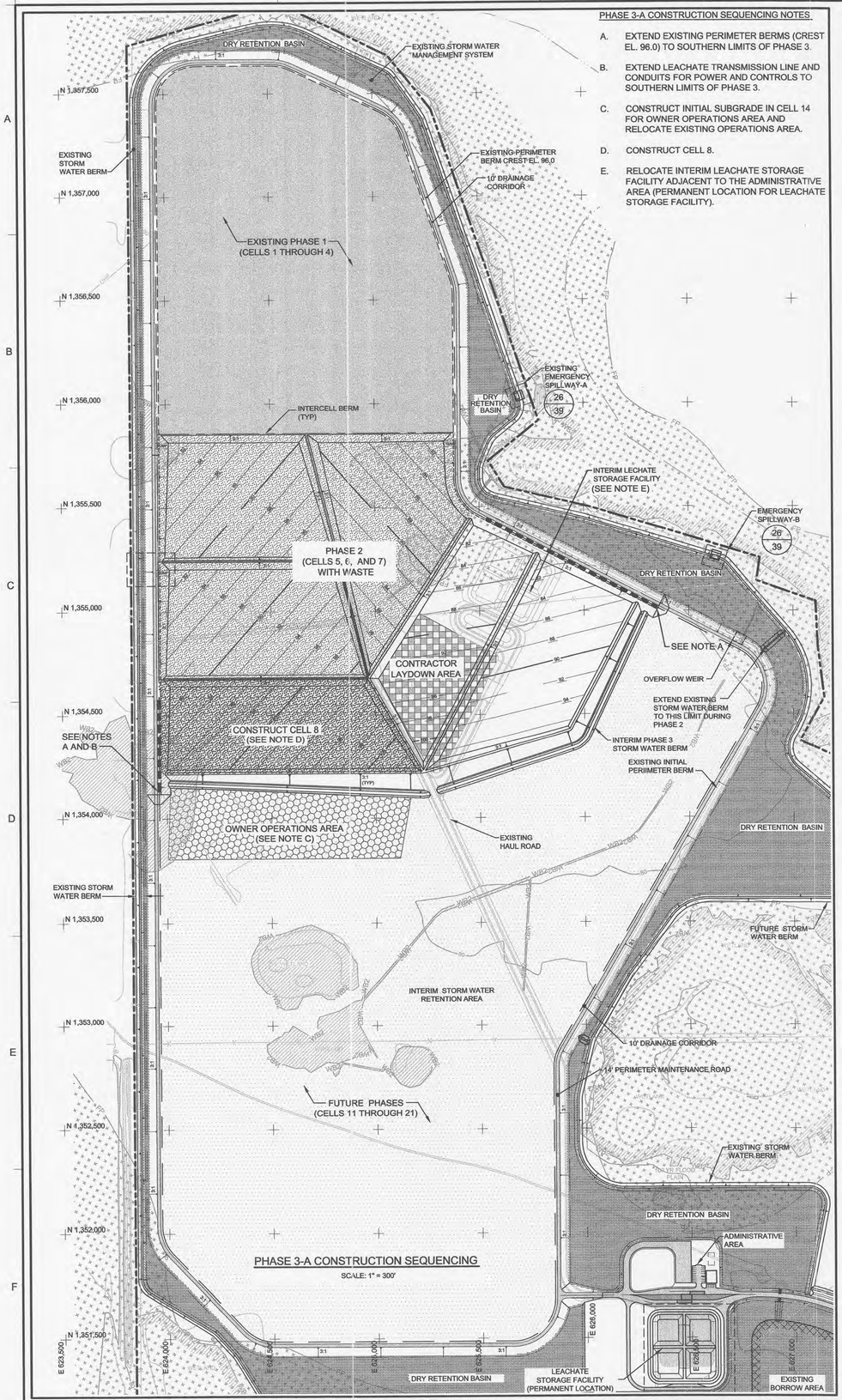
omni Waste of Osceola County ,LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:

GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2008
SCALE: 1" = 300'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P250
PDF DOC NO.: GEAG-08-12
SHEET NO.: 25 OF 40

PERMIT DRAWING



PHASE 3-A CONSTRUCTION SEQUENCING

SCALE: 1" = 300'

PHASE 3-A CONSTRUCTION SEQUENCING NOTES

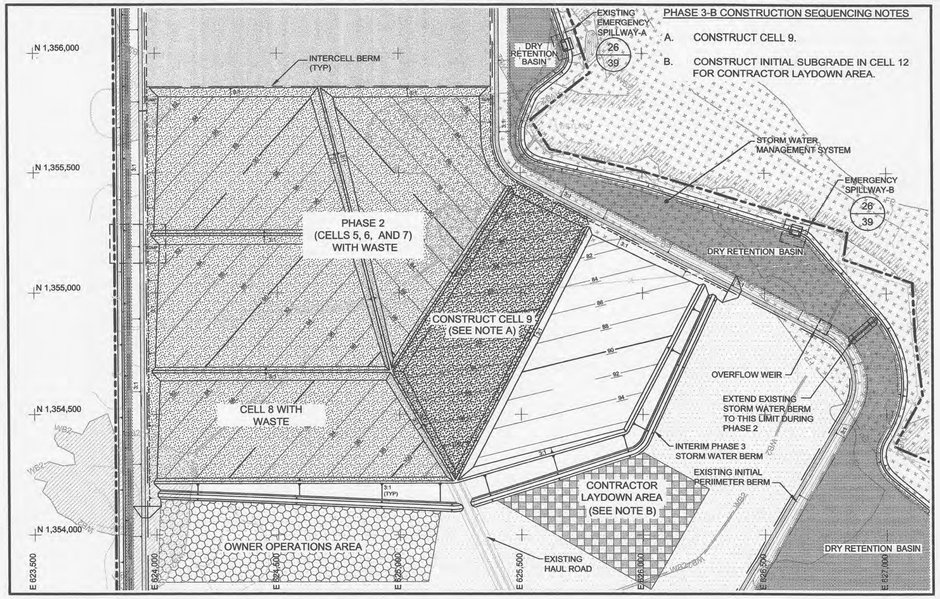
A. EXTEND EXISTING PERIMETER BERMS (CREST EL. 96.0) TO SOUTHERN LIMITS OF PHASE 3.

B. EXTEND LEACHATE TRANSMISSION LINE AND CONDUITS FOR POWER AND CONTROLS TO SOUTHERN LIMITS OF PHASE 3.

C. CONSTRUCT INITIAL SUBGRADE IN CELL 14 FOR OWNER OPERATIONS AREA AND RELOCATE EXISTING OPERATIONS AREA.

D. CONSTRUCT CELL 8.

E. RELOCATE INTERIM LEACHATE STORAGE FACILITY ADJACENT TO THE ADMINISTRATIVE AREA (PERMANENT LOCATION FOR LEACHATE STORAGE FACILITY).



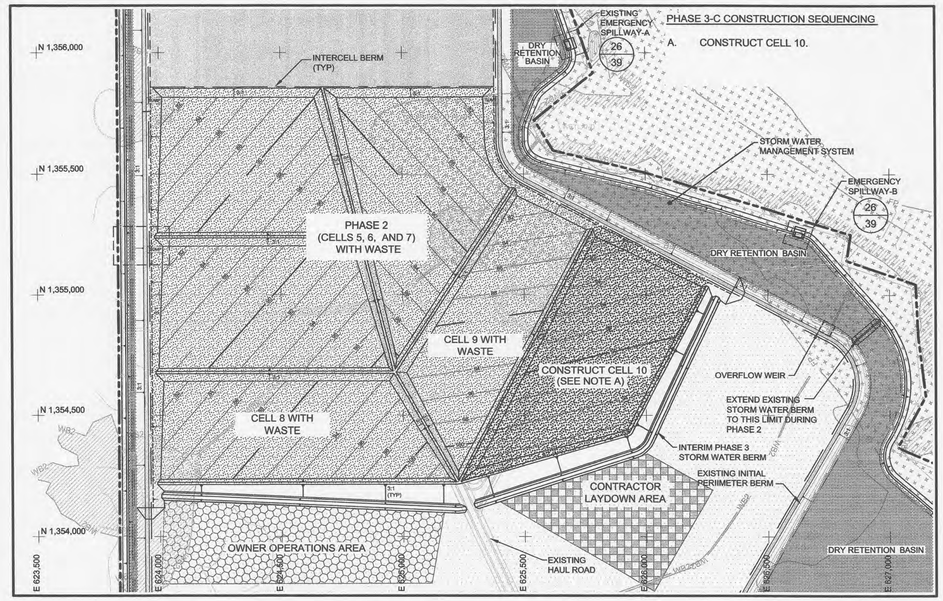
PHASE 3-B CONSTRUCTION SEQUENCING

SCALE: 1" = 300'

PHASE 3-B CONSTRUCTION SEQUENCING NOTES

A. CONSTRUCT CELL 9.

B. CONSTRUCT INITIAL SUBGRADE IN CELL 12 FOR CONTRACTOR LAYDOWN AREA.



PHASE 3-C CONSTRUCTION SEQUENCING

SCALE: 1" = 300'

PHASE 3-C CONSTRUCTION SEQUENCING

A. CONSTRUCT CELL 10.

NORTH

0 150' 300' 600'

SCALE: 1" = 300'

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF INTERMITTENT STREAM
- 80 — EXISTING GROUND ELEVATION (FEET) (SEE NOTE 2)
- 80 — SUBBASE ELEVATION (FEET)
- EXISTING FENCE
- WB1 — WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- WB2 — WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING INC. (SEE NOTE 5)
- 100-YEAR FLOODPLAIN (SEE NOTE 6)
- STORMWATER MANAGEMENT BASINS
- BORROW AREA BOUNDARY

PHASE 3 STORM WATER MANAGEMENT

RUNOFF FROM THE LANDFILL WILL BE DIRECTED TO, RETAINED BY, AND INFILTRATED WITHIN THE CONSTRUCTED STORM WATER MANAGEMENT SYSTEM.

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

PHASE 3 CONSTRUCTION SEQUENCING

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:

omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:

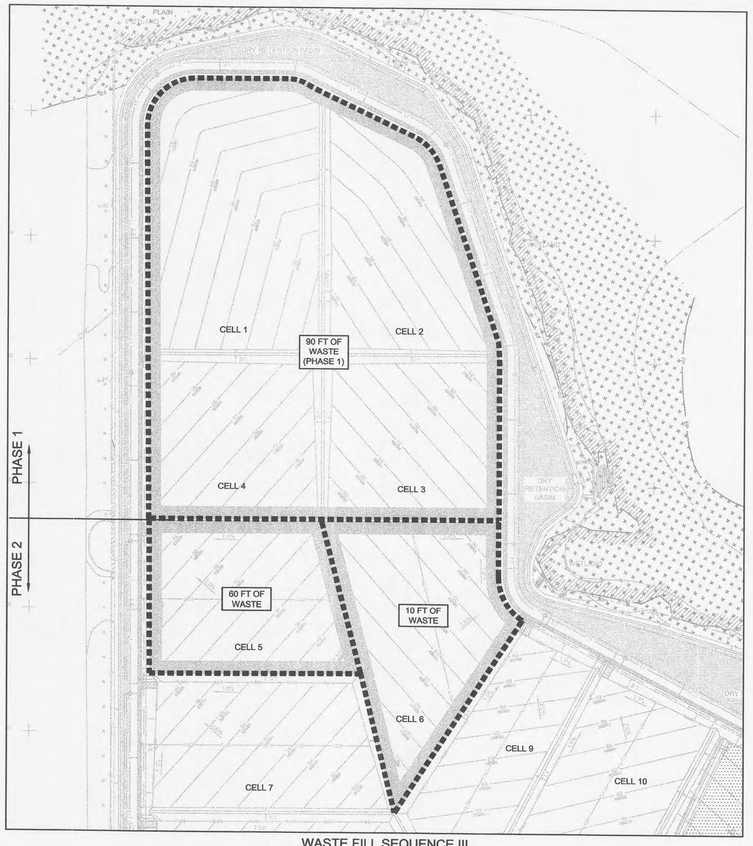
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0900 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 300'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P290
PDF DOC NO.: GEAG-06-12
SHEET NO.: 26 OF 40

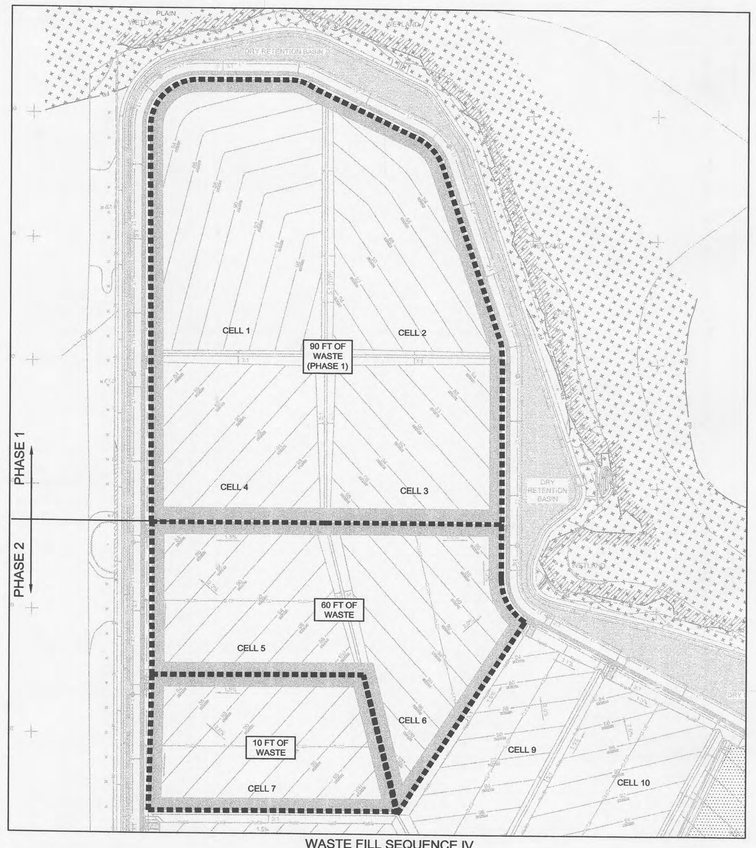
PERMIT DRAWING

WASTE FILL SEQUENCE I
SCALE: 1" = 300'

WASTE FILL SEQUENCE II
SCALE: 1" = 300'



WASTE FILL SEQUENCE III
SCALE: 1" = 300'



WASTE FILL SEQUENCE IV
SCALE: 1" = 300'

NORTH

0 150' 300' 600'

SCALE: 1" = 300'

NOTES:

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE A CONCEPTUAL WASTE FILLING SEQUENCE FOR PHASE 2 AND 3.
2. WASTE HEIGHTS AND SLOPES WILL BE ADJUSTED BY THE LANDFILL SITE MANAGER TO PROVIDE EFFICIENT ACCESS TO THE WORKING FACE AND TO PROMOTE SURFACE WATER RUNOFF FROM AREAS UNDER INTERMEDIATE COVER.
3. EXPOSED WASTE AT THE WORKING FACE AND OTHER AREAS UNDER INITIAL COVER WILL BE SLOPED AND MAINTAINED TO INFILTRATE PRECIPITATION WITHOUT RUNOFF.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

WASTE FILL SEQUENCING PLAN I

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

Agupta
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:

Omni Waste of Osceola County LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:

GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 300'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P270
PDF DOC NO.: GEAG-06-12
SHEET NO.: 27 OF 40

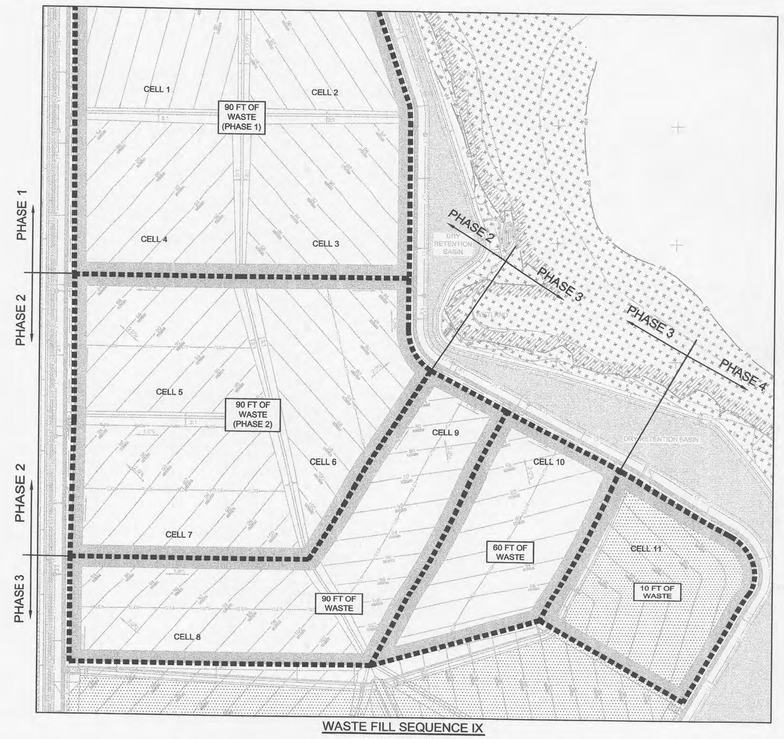
PERMIT DRAWING

WASTE FILL SEQUENCE V

SCALE: 1" = 300'

WASTE FILL SEQUENCE VII

SCALE: 1" = 300'

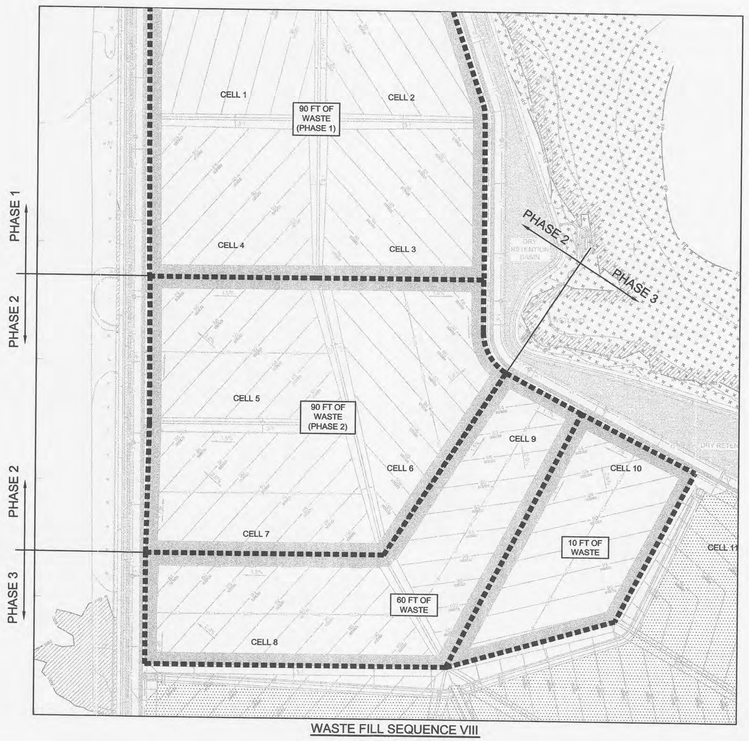


WASTE FILL SEQUENCE IX

SCALE: 1" = 300'

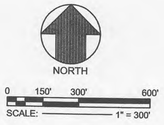
WASTE FILL SEQUENCE VI

SCALE: 1" = 300'



WASTE FILL SEQUENCE VIII

SCALE: 1" = 300'



NOTES:

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE A CONCEPTUAL WASTE FILLING SEQUENCE FOR PHASE 2 AND 3.
2. WASTE HEIGHTS AND SLOPES WILL BE ADJUSTED BY THE LANDFILL SITE MANAGER TO PROVIDE EFFICIENT ACCESS TO THE WORKING FACE AND TO PROMOTE SURFACE WATER RUNOFF FROM AREAS UNDER INTERMEDIATE COVER.
3. EXPOSED WASTE AT THE WORKING FACE AND OTHER AREAS UNDER INITIAL COVER WILL BE SLOPED AND MAINTAINED TO INFILTRATE PRECIPITATION WITHOUT RUNOFF.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

WASTE FILL SEQUENCING PLAN II

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

Ayushman Gupta
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
omni Waste
of Osceola County LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 300'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P280
PDF DOC NO.: GEAG-06-12
SHEET NO.: 28 OF 40

PERMIT DRAWING

LEGEND

- TOP OF INTERMEDIATE COVER (FEET)
- 12" MAIN HEADER LINE TO FLARE STATION
- 8" MAIN HEADER LINE - A
- 8" MAIN HEADER LINE - B
- 8" HEADER LINE A TO B
- 4" HDPE SOLID LATERAL PIPE
- PROPOSED VERTICAL GAS EXTRACTION WELL
- CT — CONDENSATE TRAP AT LOW POINT
- CONTROL VALVE/MONITORING PORT
- FLARE STATION
- GW-1 — GAS MONITORING PROBE

NOTES:

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE A CONCEPTUAL LAYOUT AN SPACING OF GAS EXTRACTION WELLS, CONDENSATE TRAPS, FLARE STATIONS, HEADER PIPES, AND GAS MONITORING PROBES.
2. AS THE WASTE PROGRESSIVELY REACHES FINAL HEIGHT IN AREAS, THE GAS MANAGEMENT SYSTEM WILL BE INSTALLED TO SERVICE THOSE AREAS UNDER FINAL COVER AND UNDER INTERMEDIATE COVER AS REQUIRED TO CONTROL EMISSIONS.
3. DETAILED DESIGN AND CONSTRUCTION DRAWINGS WILL BE SUBMITTED IN ACCORDANCE WITH SECTION 62-20.800(7)(b)72, FAC.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
GAS MANAGEMENT PLAN

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

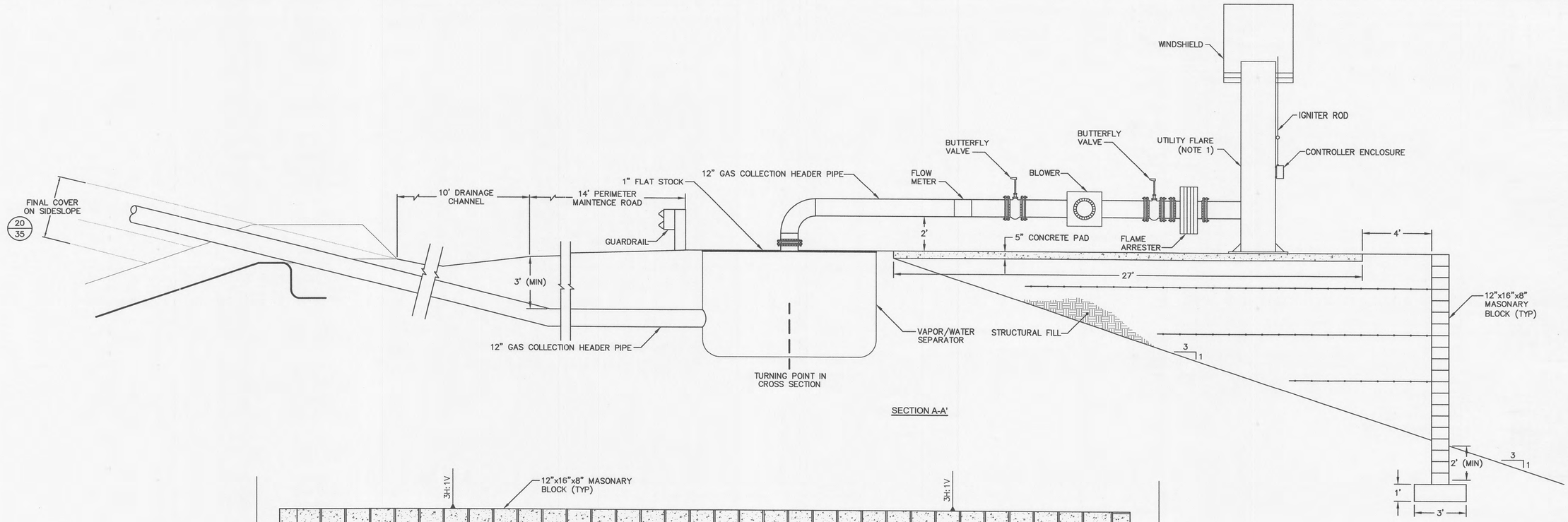
AYUSHMAN GUPTA
LICENSE NO. 54023
8 SEP 2006

Owner/Facility:
Omni Waste of Osceola County ,LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

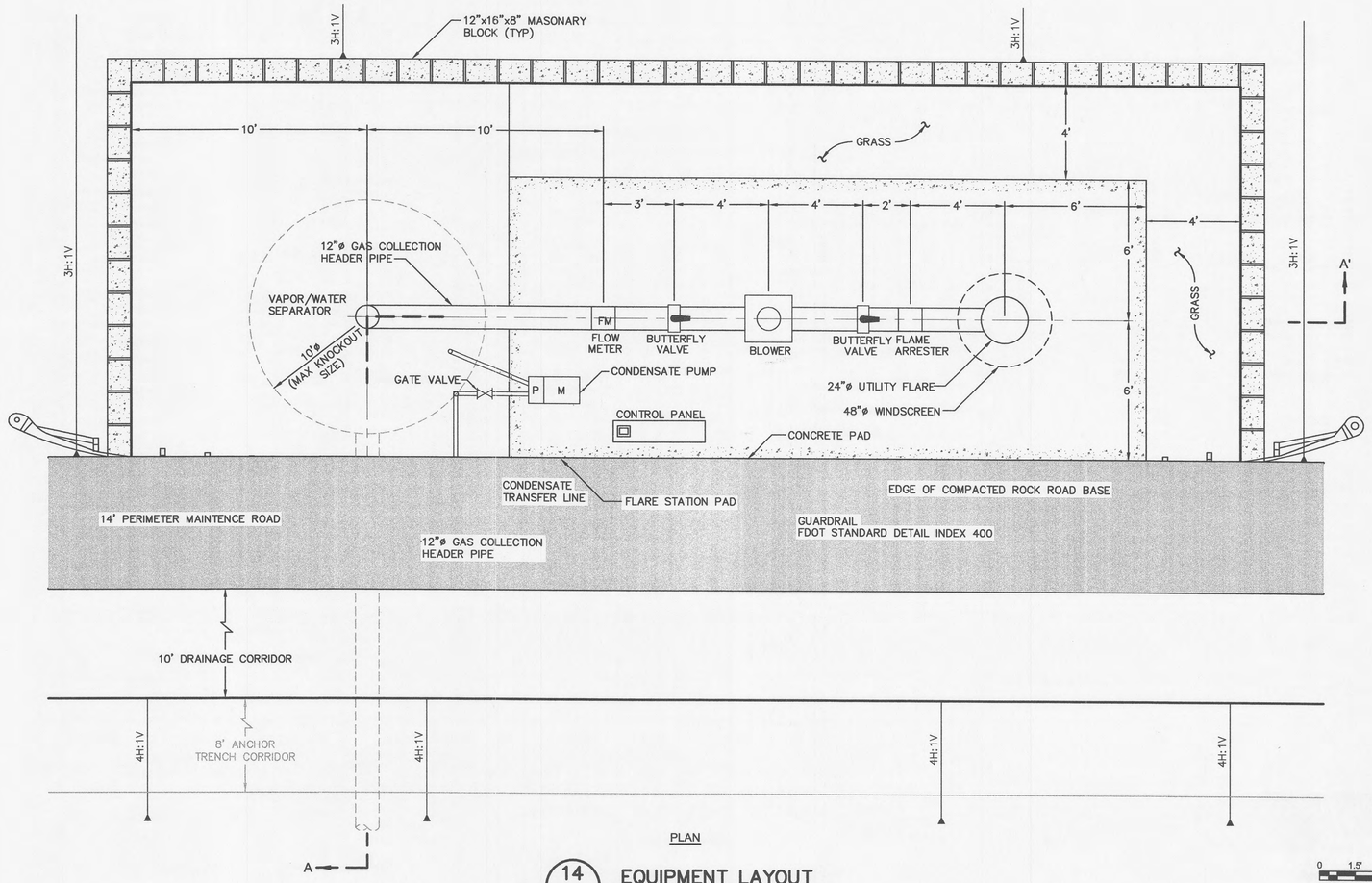
Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 200'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P290
PDF DOC NO.: GEAG-06-12
SHEET NO.: 29 OF 40

PERMIT DRAWING



SECTION A-A'



PLAN

14/29 EQUIPMENT LAYOUT
GAS FLARE STATION
SCALE: 1" = 3'
XREF: 0400X0035.DWG

0 1.5' 3' 6'
SCALE: 1" = 3'

NOTES:

1. THE PURPOSE OF THIS DETAIL IS TO SHOW THE VARIOUS COMPONENTS OF THE GAS FLARE STATION AND THE GENERAL CONNECTIVITY OF THE SYSTEM. DEPENDING ON VENDOR SPECIFIC PRE-FABRICATED PRODUCTS, THE LAYOUT OF THE FLARE STATION MAY VARY FROM THIS DETAIL.
2. ALL COMPONENTS OF THE BLOWER AND GAS FLARE SYSTEM INCLUDING PIPING, WIRING, CONDUIT, INSTRUMENTS, AND CONTROLS SHALL BE WEATHER PROOFED TO ENSURE ADEQUATE PERFORMANCE FOR THE RANGE OF WEATHER CONDITIONS EXPECTED AT THE SITE.
3. THE DETAILED DESIGN AND CONSTRUCTION DRAWINGS WILL BE PROVIDED FOR THE REINFORCE SOIL WALL. THIS DEPICTION IS FOR ILLUSTRATION ONLY.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
GAS MANAGEMENT DETAILS I

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006

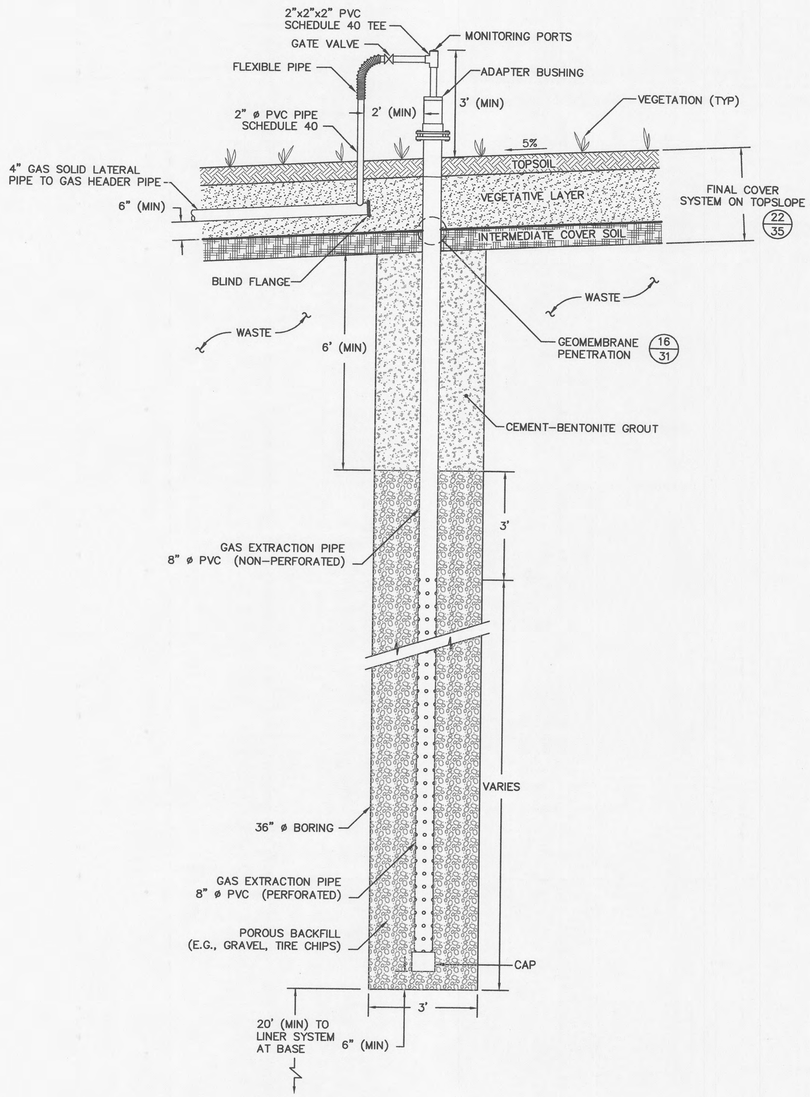
AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
omni Waste
of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P300
PDF DOC NO.: GEAG-06-12
SHEET NO.: 30 OF 40

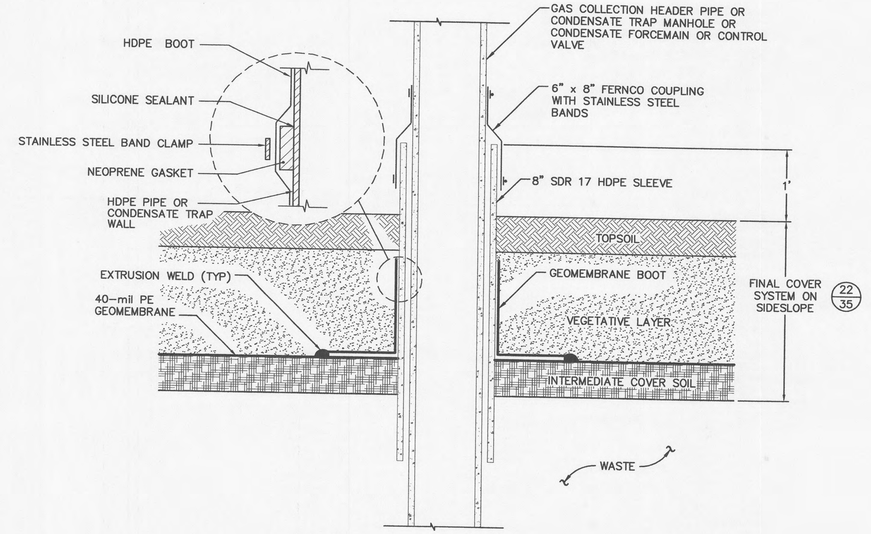
PERMIT DRAWING



15/29 **DETAIL (TYPICAL) GAS EXTRACTION WELL**

SCALE: 1" = 2'

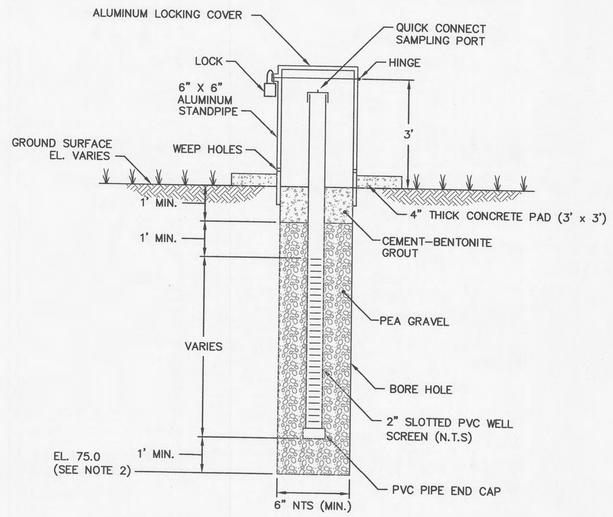
XREF: 0400X0086.DWG



16/31 **DETAIL (TYPICAL) GEOMEMBRANE PENETRATION**

SCALE: N.T.S.

XREF: 0400X0041.DWG



17/29 **DETAIL (TYPICAL) GAS MONITORING PROBE**

SCALE: N.T.S.

XREF: 0400X0085.DWG

NOTES:

1. FINAL LOCATION OF GAS EXTRACTION WELLS WILL BE UPSLOPE FROM THE HEADER PIPE TO PREVENT ACCUMULATION OF CONDENSATE IN THE LATERAL PIPE.
2. THE BOTTOM ELEVATION OF GAS MONITORING PROBES WILL BE VERIFIED IN THE FIELD TO BE MINIMUM 2 FT BELOW AVERAGE GROUND WATER ELEVATION.

SCALE: 0 1' 2' 4' — 1" = 2'

PERMIT DRAWING

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
GAS MANAGEMENT DETAILS II

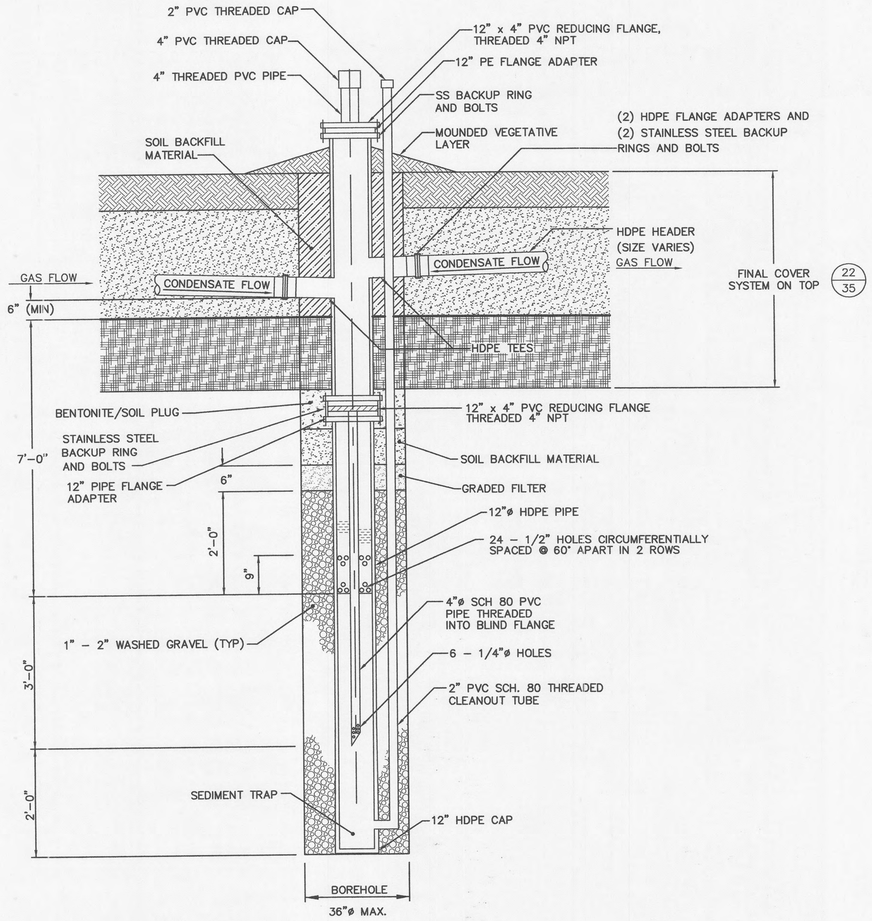
THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

Ayushman Gupta
8 SEP 2006
AYUSHMAN GUPTA
LICENSE NO. 54023

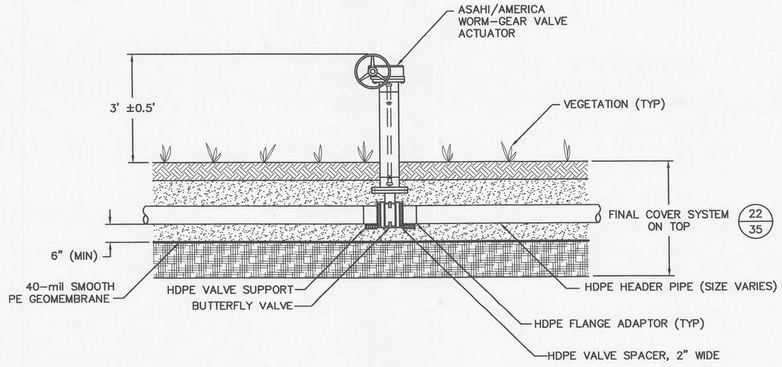
Owner/Facility:
Omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P310
PDF DOC NO.: GEAG-06-12
SHEET NO.: 31 OF 40



18/29 DETAIL (TYPICAL)
CONDENSATE TRAP
SCALE: NTS
XREF: 0400X0057.DWG



19/29 DETAIL (TYPICAL)
GAS HEADER CONTROL VALVE
SCALE: NTS
XREF: 0400X0079.DWG

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
GAS MANAGEMENT DETAILS III

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006

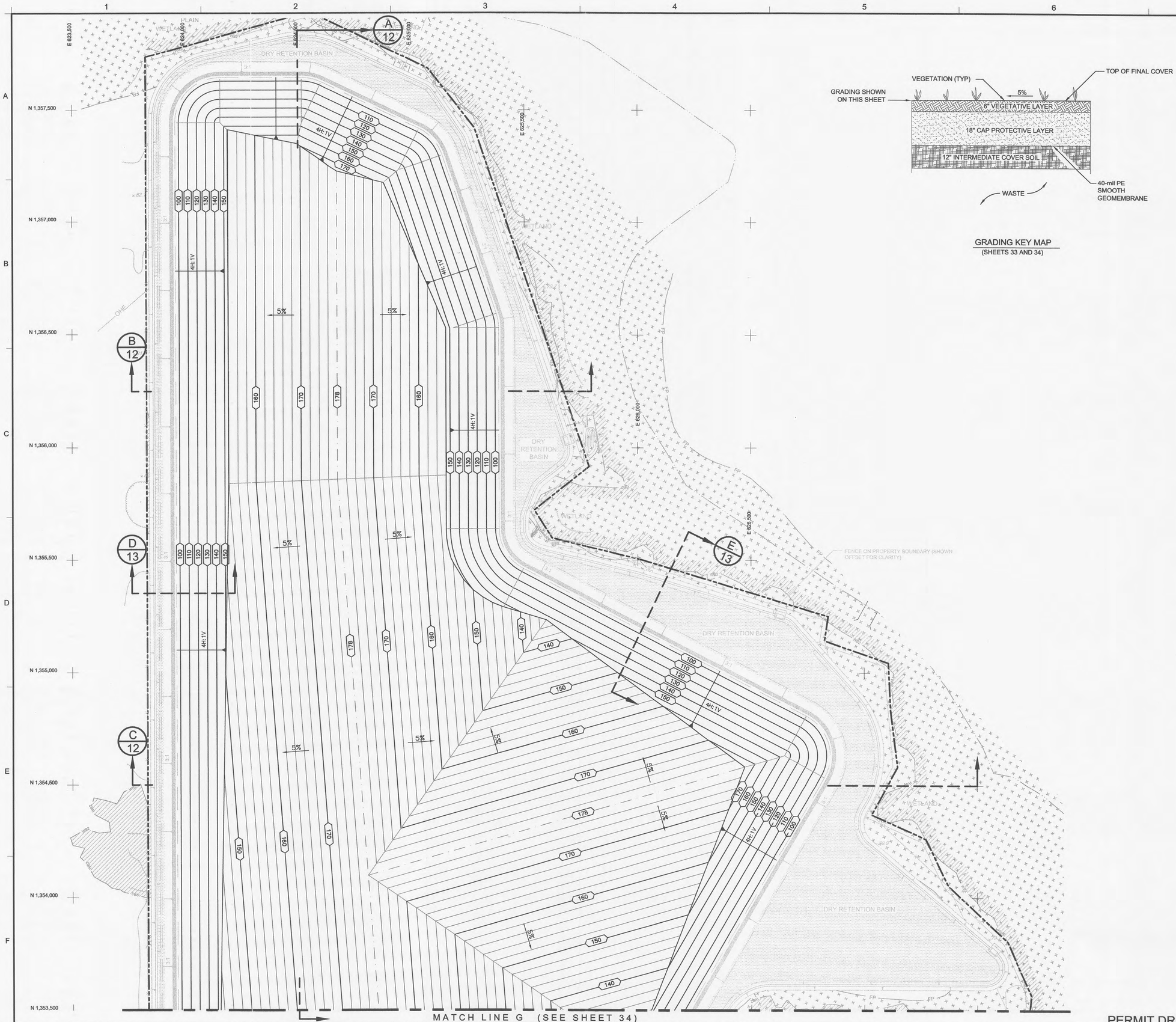
AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
Omni Waste of Osceola County LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

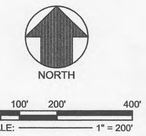
Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P320
PDF DOC NO.: GEAG-06-12
SHEET NO.: 32 OF 40

PERMIT DRAWING



GRADING KEY MAP
(SHEETS 33 AND 34)



LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF INTERMITTENT STREAM
- 80 — EXISTING GROUND ELEVATION (FEET) (SEE NOTE 4)
- 80 — TOP OF FINAL COVER ELEVATION (FEET)
- EXISTING FENCE
- WB1 — WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- WB2 — WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING INC. (SEE NOTE 5)
- FP — 100-YEAR FLOODPLAIN (SEE NOTE 6)
- STORMWATER MANAGEMENT BASIN
- BORROW AREA BOUNDARY

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	AP
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
FINAL COVER SYSTEM GRADING PLAN I

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

AYUSHMAN GUPTA
8 SEP 2006
LICENSE NO. 54023

Owner/Facility:
omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER
SCALE: 1"
PROJECT NO.: F
FILE NO.: FL0916.0
PDF DOC NO.: GEAC
SHEET NO.: 33 OF 40

PERMIT DRAWING

MATCH LINE G (SEE SHEET 33)

NORTH

0 100' 200' 400'

SCALE: 1" = 200'

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF INTERMITTENT STREAM
- 80 — EXISTING GROUND ELEVATION (FEET) (SEE NOTE 4)
- 80 — TOP OF FINAL COVER ELEVATION (FEET)
- EXISTING FENCE
- WB1 — WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- WB2 — WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING INC. (SEE NOTE 5)
- FP — 100-YEAR FLOODPLAIN (SEE NOTE 6)
- STORMWATER MANAGEMENT BASIN
- BORROW AREA BOUNDARY

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA), AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
FINAL COVER SYSTEM GRADING PLAN II

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

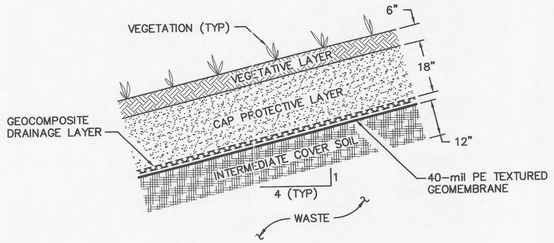
Ayupta
8 SEP 2006
AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
Omni Waste of Osceola County J.V.
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

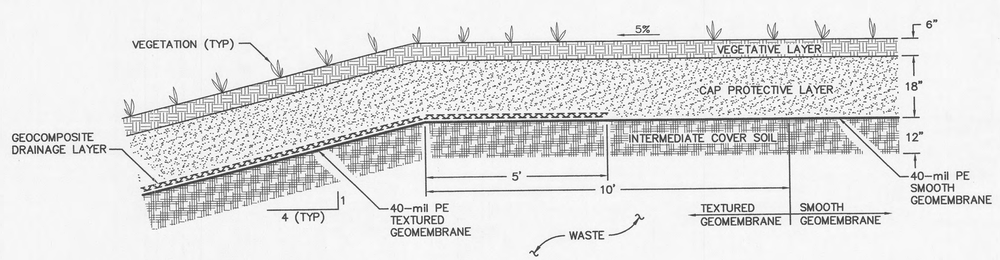
Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 200
SCALE: 1" = 20
PROJECT NO.: FL09
FILE NO.: FL0916.02P3
PDF DOC NO.: GEAG-06-
SHEET NO.: 34 OF 40

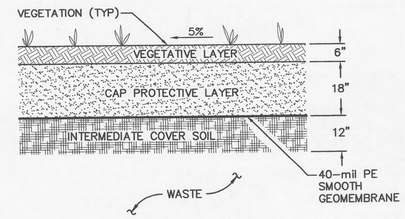
PERMIT DRAWING



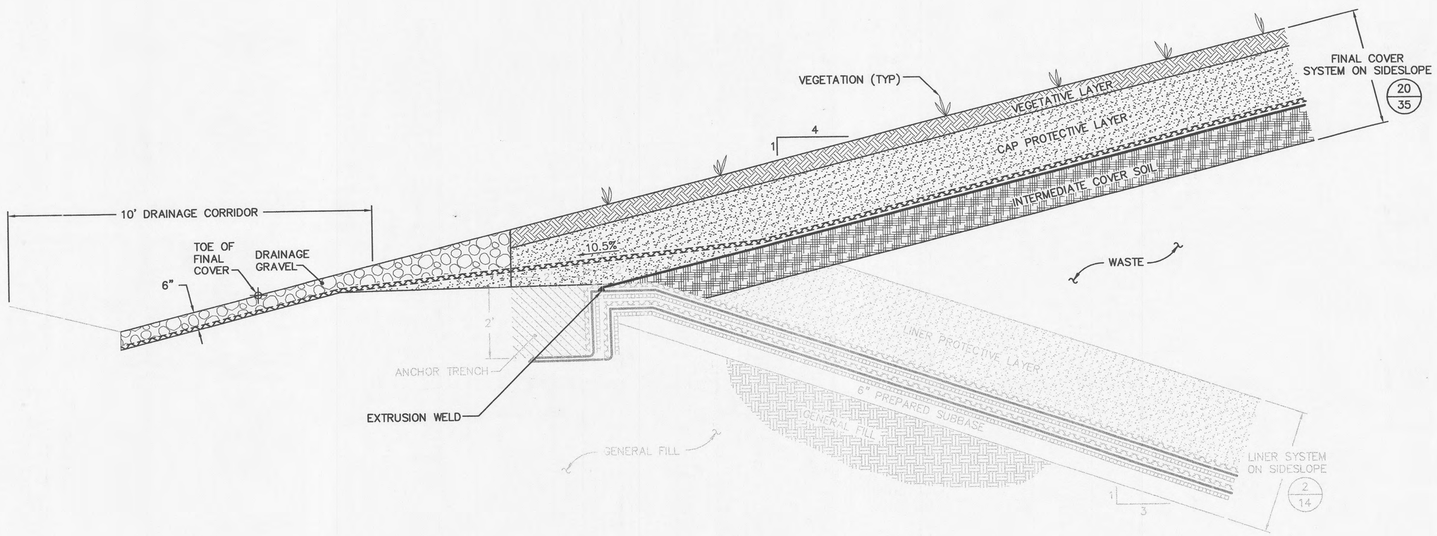
20/12 DETAIL (TYPICAL)
FINAL COVER SYSTEM ON SIDESLOPE
SCALE: 1" = 2'
XREF: 0400X0005.DWG



21/12 DETAIL (TYPICAL)
FINAL COVER SYSTEM AT CREST
SCALE: 1" = 2'
XREF: 0400X0083.DWG



22/12 DETAIL (TYPICAL)
FINAL COVER SYSTEM ON TOP
SCALE: 1" = 2'
XREF: 0400X0082.DWG



23/19 DETAIL (TYPICAL)
FINAL COVER SYSTEM TIE-IN AT PERIMETER BERM ANCHOR TRENCH
SCALE: 1" = 2'
XREF: 0400X0015.DWG

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
FINAL COVER SYSTEM DETAILS

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

Ayupta
8 SEP 2006
AYUSHMAN GUPTA
LICENSE NO. 54023

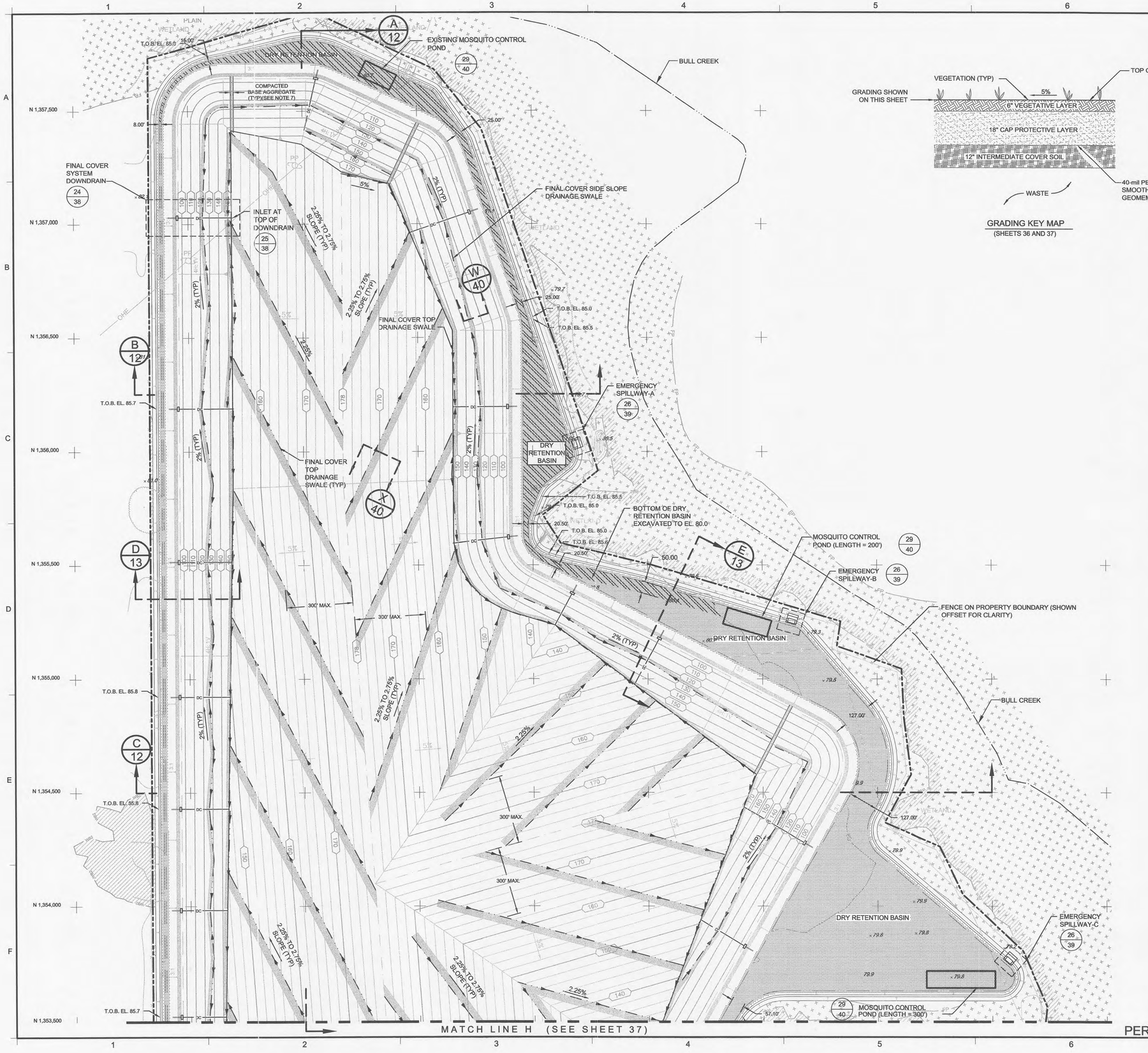
Owner/Facility:
omni Waste of Osceola County ,LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

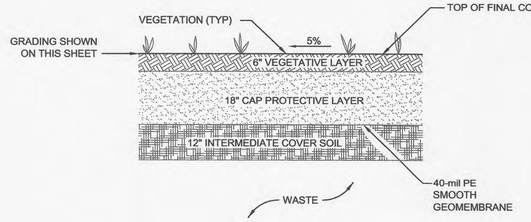
Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA, 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P350
PDF DOC NO.: GEAG-06-12
SHEET NO.: 35 OF 40

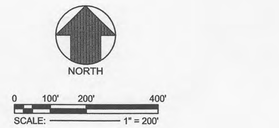
0 1' 2' 4'
SCALE: 1" = 2'

PERMIT DRAWING





GRADING KEY MAP
(SHEETS 36 AND 37)



LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF INTERMITTENT STREAM
- 80 — EXISTING GROUND ELEVATION (FEET) (SEE NOTE 4)
- 80 — TOP OF FINAL COVER ELEVATION (FEET)
- WB1 — WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- WB2 — WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING (SEE NOTE 5)
- FP — 100-YEAR FLOODPLAIN (SEE NOTE 6)
- EXISTING FENCE
- DC — PROPOSED DOWNCHUTE
- PROPOSED TERRACES
  SLOPE RANGE FOR TOP = 2.25% TO 2.75%
  SLOPE RANGE FOR SIDESLOPE = 2% TO 3%

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA). AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.
7. LANDFILL TOP ACCESS PROVIDED BY 10-FT WIDE GRAVEL ROADWAY ON 4H:1V SLOPES.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.06.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
STORM WATER MANAGEMENT PLAN I

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY, AND SHOULD NOT BE USED FOR DID OR CONSTRUCTION

8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

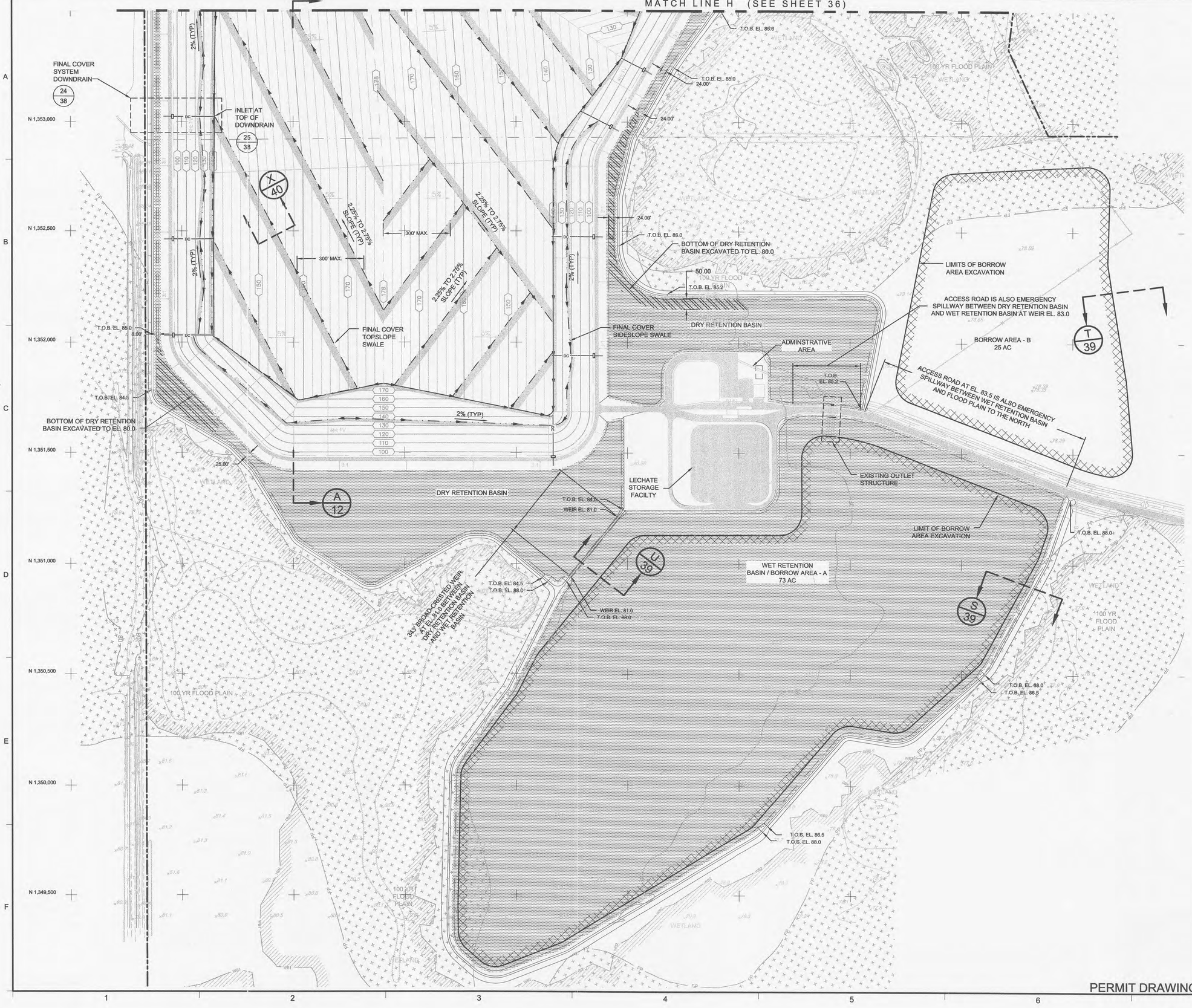
Owner/Facility:
omni Waste
of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 200'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P360
PDF DOC NO.: GEAG-06-12
SHEET NO.: 36 OF 40

PERMIT DRAWING

MATCH LINE H (SEE SHEET 36)



NORTH

0 100' 200' 400'

SCALE: 1" = 200'

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF INTERMITTENT STREAM
- 80 — EXISTING GROUND ELEVATION (FEET) (SEE NOTE 4)
- 80 — TOP OF FINAL COVER ELEVATION (FEET)
- WP1 — WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
- WP2 — WETLAND BOUNDARY PER BRA FLAGGING AND SURVEY BY JOHNSTON SURVEYING (SEE NOTE 5)
- FP — 100-YEAR FLOODPLAIN (SEE NOTE 6)
- EXISTING FENCE
- DC — PROPOSED DOWNCHUTE
- PROPOSED TERRACES SLOPE RANGE FOR TOP = 2.25% TO 2.75% SLOPE RANGE FOR SIDESLOPE = 2% TO 3%

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
3. THE PROPERTY BOUNDARY BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
4. THE TOPOGRAPHIC INFORMATION SHOWN IN SECTION 11 AND THE NORTH HALF OF SECTION 14 WAS PROVIDED BY AERIAL CARTOGRAPHICS OF AMERICA, ORLANDO, FLORIDA BASED ON AN AERIAL PHOTOGRAPH FLOWN ON NOVEMBER 7, 2001. IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, TOPOGRAPHIC INFORMATION WAS ADDED FROM USGS QUAD MAP FOR HOLOPAW SE, FLORIDA.
5. THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED MAY 15, 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC., TAMPA, FLORIDA (BRA). AND JDS PERMIT, COMBINED WITH A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OF THE SITE OUTSIDE THE LIMITS OF CONSTRUCTION.
6. THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.
7. LANDFILL TOP ACCESS PROVIDED BY 10-FT WIDE GRAVEL ROADWAY ON 4H:1V SLOPES.

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

STORM WATER MANAGEMENT PLAN II

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

Ayushmani Gupta
8 SEP 2006

AYUSHMANI GUPTA
LICENSE NO. 54023

Owner/Facility:

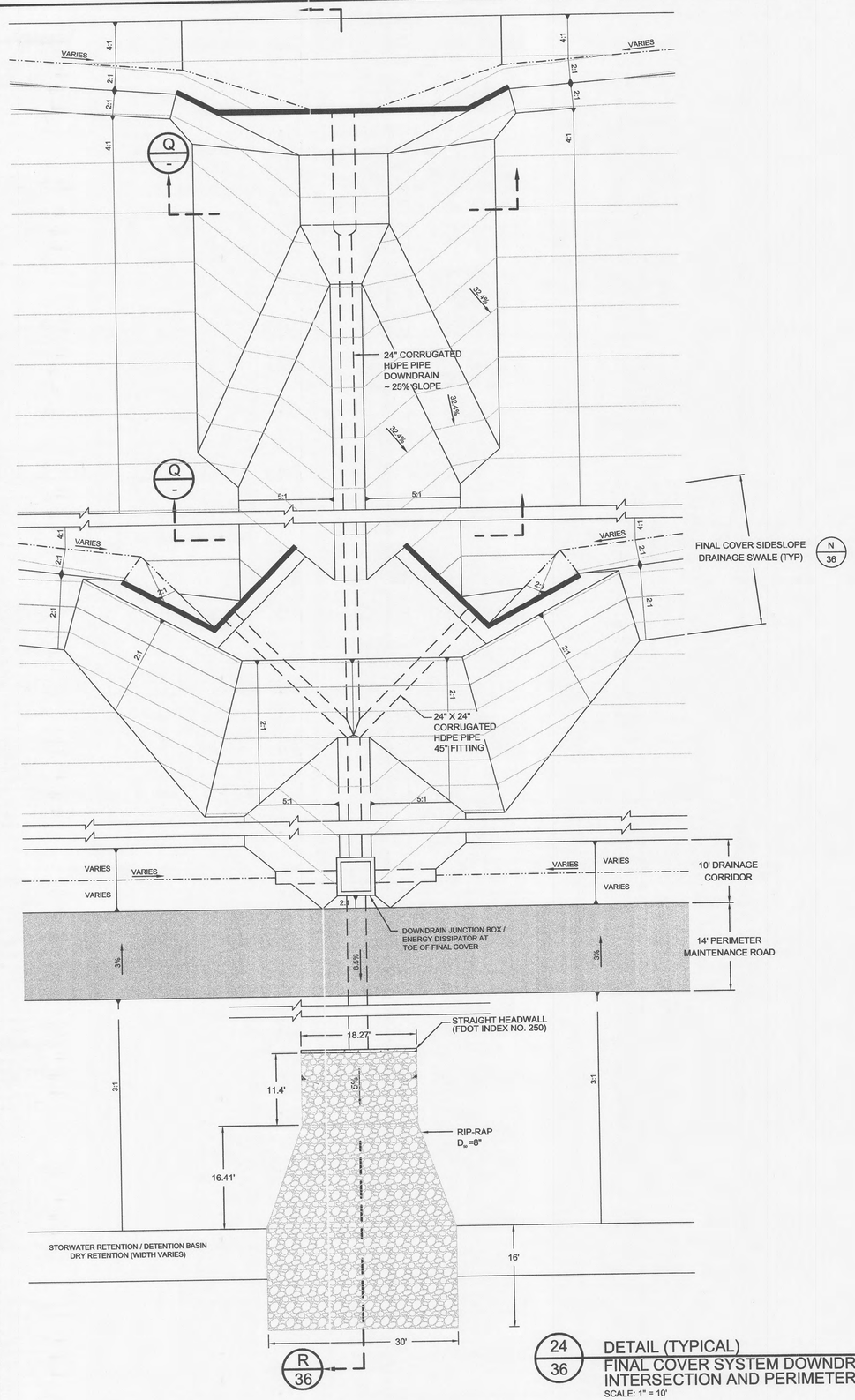
Omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:

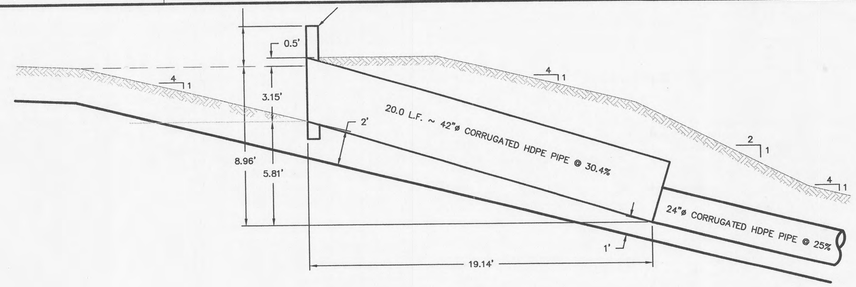
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: 1" = 200'
PROJECT NO.: FL0916
FILE NO.: FL0916.02P360
PDF DOC NO.: GEAG-06-12
SHEET NO.: 37 OF 40

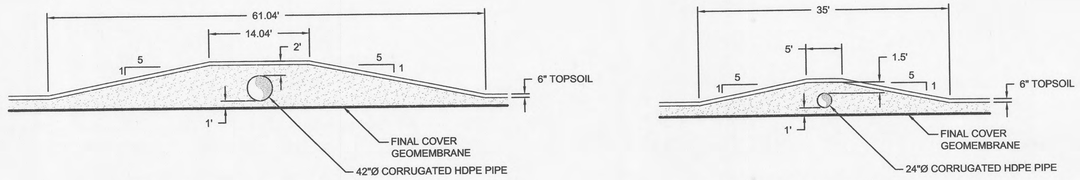
PERMIT DRAWING



24/36 DETAIL (TYPICAL)
FINAL COVER SYSTEM DOWNDRAIN AT SWALE INTERSECTION AND PERIMETER BERM
SCALE: 1" = 10'



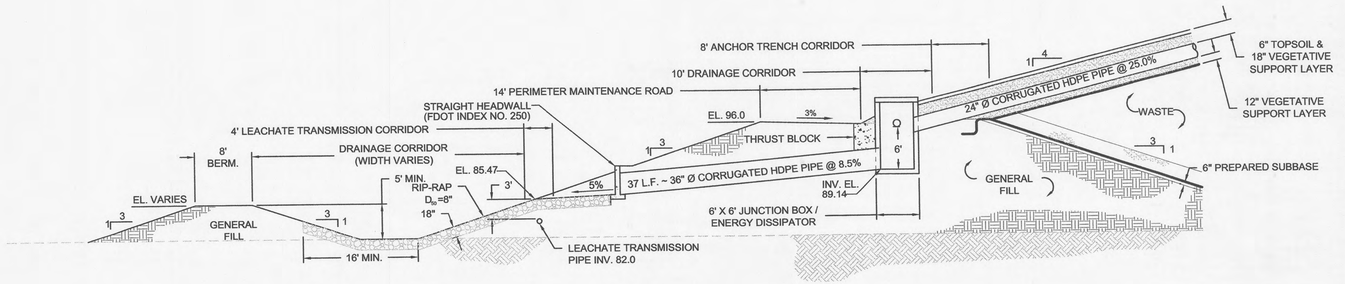
25/- DETAIL (TYPICAL)
INLET AT TOP OF DOWNDRAIN
SCALE: 1" = 4'
XREF: 04000X114.DWG



TYPICAL SECTION FOR 42"Ø DOWNCHUTE PIPE

TYPICAL SECTION FOR 24"Ø DOWNCHUTE PIPE

Q/- SECTION (TYPICAL)
DOWNDRAIN ON SIDESLOPE
SCALE: 1" = 4'



R/- SECTION (TYPICAL)
DOWNDRAIN JUNCTION BOX / ENERGY DISSIPATOR AT PERIMETER BERM
SCALE: 1" = 10'

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
STORM WATER MANAGEMENT DETAILS I

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

Ayushman Gupta
8 SEP 2006
AYUSHMAN GUPTA
LICENSE NO. 54023

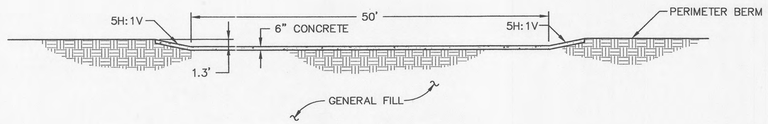
Owner/Facility:
Omni Waste of Osceola County JLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

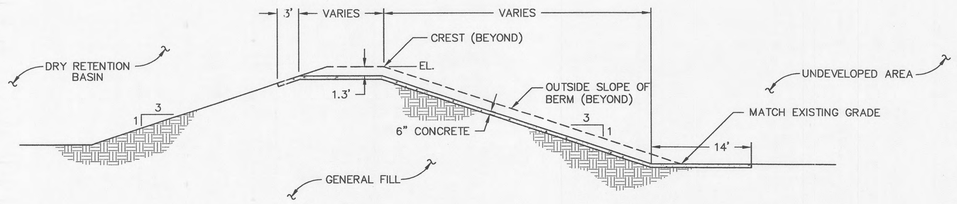
DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P380
PDF DOC NO.: GEAG-06-12
SHEET NO.: 38 OF 40

0 2' 4' 8'
SCALE: 1" = 4'
0 5' 10' 20'
SCALE: 1" = 10'

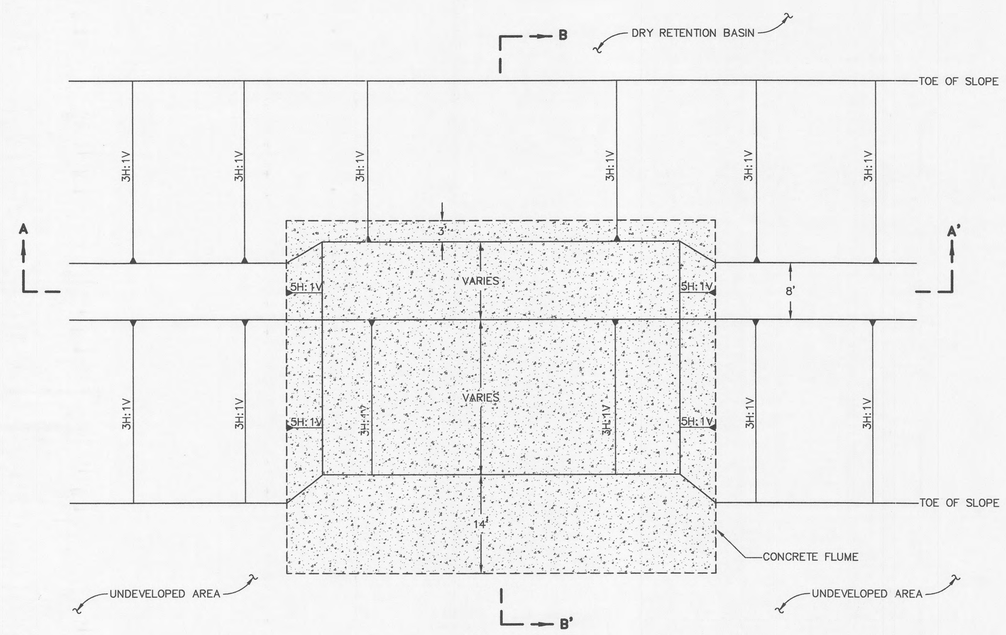
PERMIT DRAWING



SECTION A-A'



SECTION B-B'

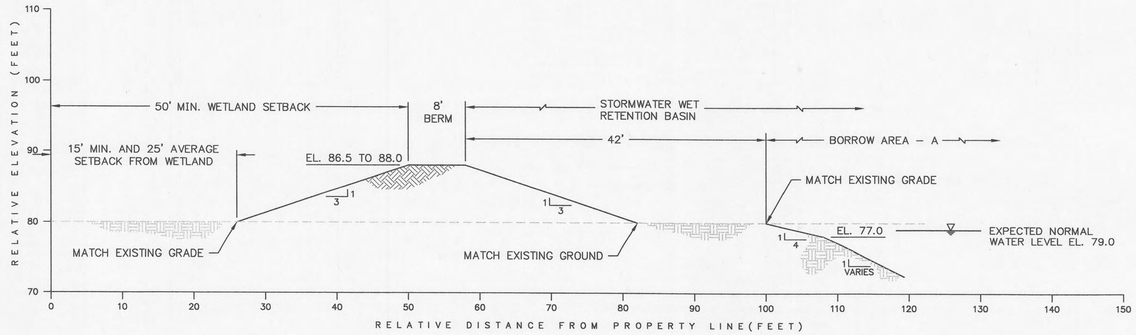


PLAN VIEW

26/8 DETAIL (TYPICAL) EMERGENCY SPILLWAY

SCALE: 1" = 10'

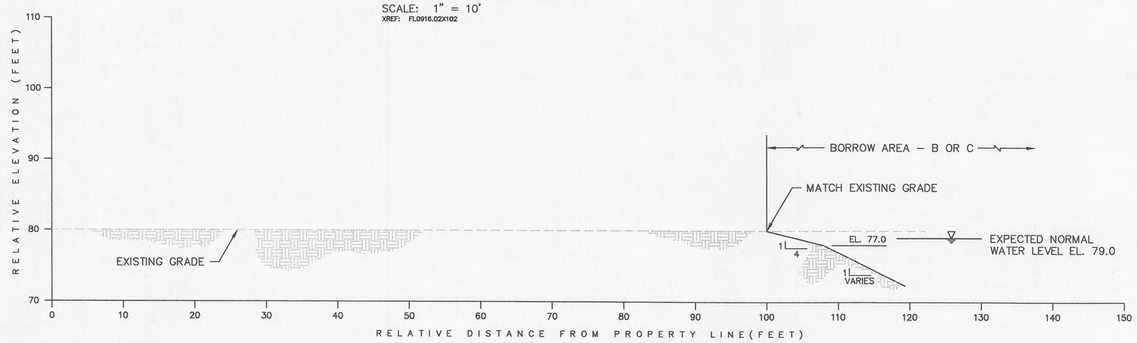
XREF: FL0916.02X108



S/9 SECTION (TYPICAL) WET RETENTION BASIN / BORROW AREA BERM

SCALE: 1" = 10'

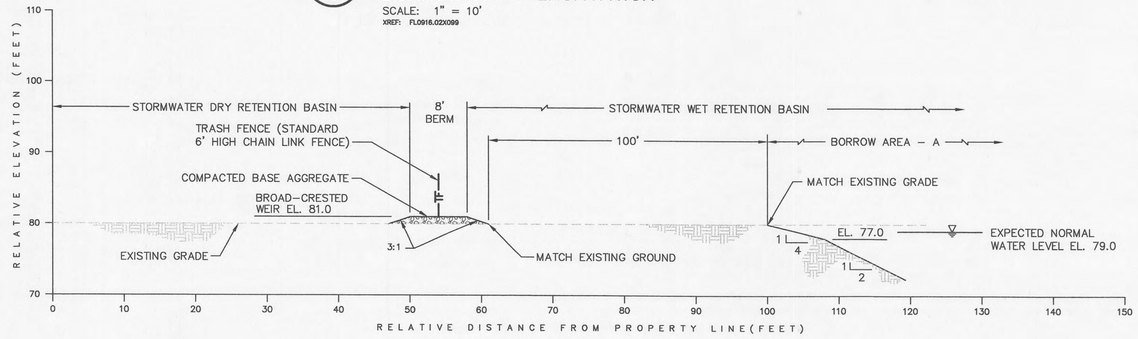
XREF: FL0916.02X102



T/8 SECTION (TYPICAL) BORROW AREA EXCAVATION

SCALE: 1" = 10'

XREF: FL0916.02X099



U/9 SECTION (TYPICAL) STORMWATER DRY RETENTION BASIN / WET RETENTION BASIN BROAD–CRESTED WEIR

SCALE: 1" = 10'

XREF: FL0916.02X098

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:

OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:

STORM WATER MANAGEMENT DETAILS II

0 5' 10' 20'

SCALE: 1" = 10'

PERMIT DRAWING

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006

AYUSHMAN GUPTA
LICENSE NO. 54023

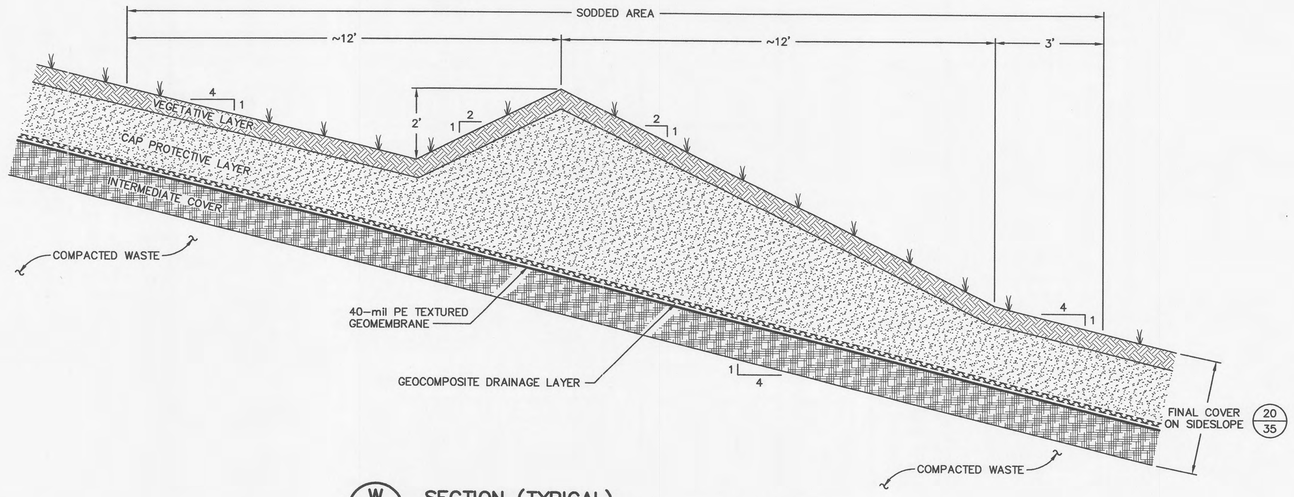
Owner/Facility:

omni Waste
of Osceola County LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

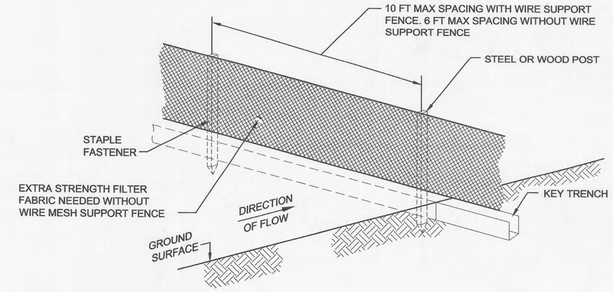
Consultant/Engineer:

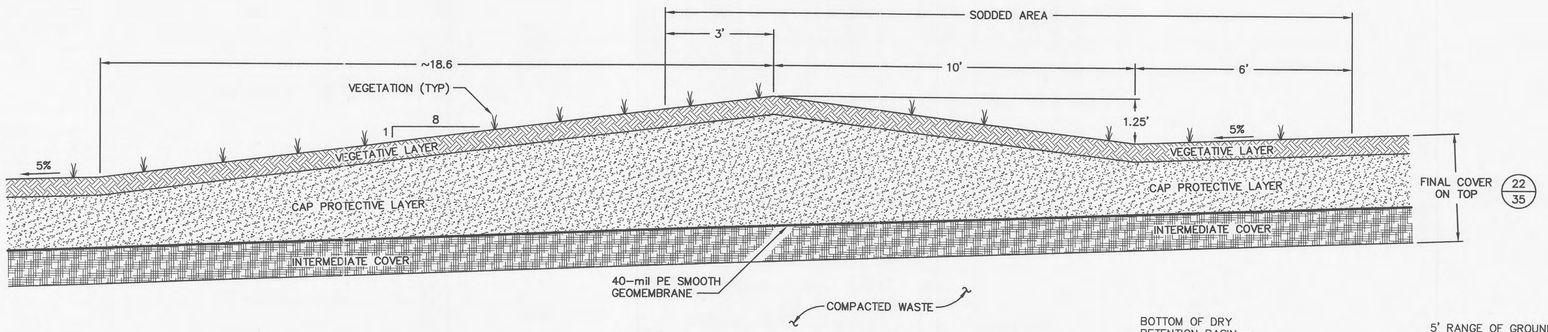
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P390
PDF DOC NO.: GEAG-06-12
SHEET NO.: 39 OF 40

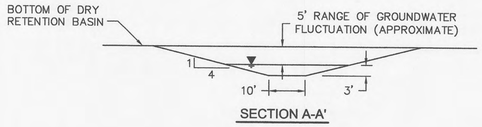


W/36 SECTION (TYPICAL)
FINAL COVER SIDESLOPE DRAINAGE SWALE
SCALE: 1" = 2'
XREF: FL0916.02X034

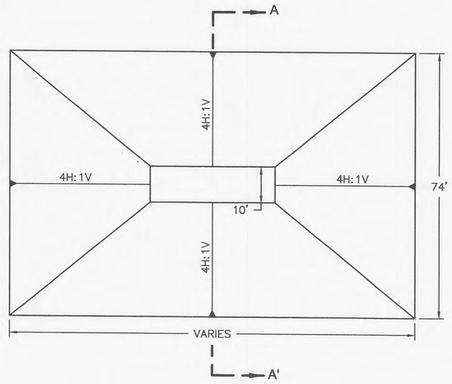




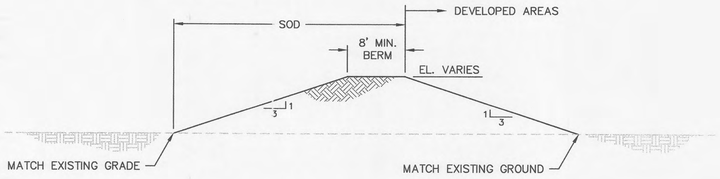
X/36 SECTION (TYPICAL)
FINAL COVER TOP DRAINAGE SWALE
SCALE: 1" = 2'
XREF: FL0916.02X045



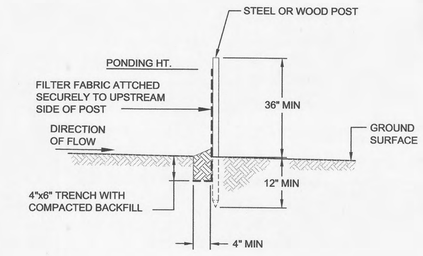
SECTION A-A'



29/36 DETAIL (TYPICAL)
MOSQUITO CONTROL POND
SCALE: 1" = 20'
XREF: FL0916.02X116



FF/25 SECTION (TYPICAL)
INITIAL PERIMETER BERM
SCALE: 1" = 10'
XREF: FL0916.02X118



NOTES:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

31 DETAIL
SILT FENCE
SCALE: NTS
XREF: FL0916.02X119

REV. NO.	DATE	DESCRIPTION	DES. BY	DR. BY	CHK. BY	RVW. BY	APP. BY
0	08.09.06	ISSUED FOR FDEP PERMITTING	AG	JWO	AG	EJN	AG

PROJECT:
OAK HAMMOCK DISPOSAL FACILITY
PHASES 2 AND 3
RENEWAL PERMIT DRAWINGS

TITLE:
STORM WATER MANAGEMENT DETAILS III

THESE DRAWINGS ARE ISSUED FOR PERMITTING ONLY AND SHOULD NOT BE USED FOR BID OR CONSTRUCTION

A Gupta
8 SEP 2006
AYUSHMAN GUPTA
LICENSE NO. 54023

Owner/Facility:
omni Waste of Osceola County, LLC
1501 OMNI WAY - ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

Consultant/Engineer:
GeoSyntec Consultants
14055 RIVEREDGE DRIVE, SUITE 300,
TAMPA, FLORIDA 33637 USA
TEL: 813-558-0990 FAX: 813-558-9726
AUTHORIZATION CERTIFICATE NO. 00004321

DATE: 8 SEPTEMBER 2006
SCALE: AS SHOWN
PROJECT NO.: FL0916
FILE NO.: FL0916.02P400
PDF DOC NO.: GEAG-06-12
SHEET NO.: 40 OF 40

PERMIT DRAWING