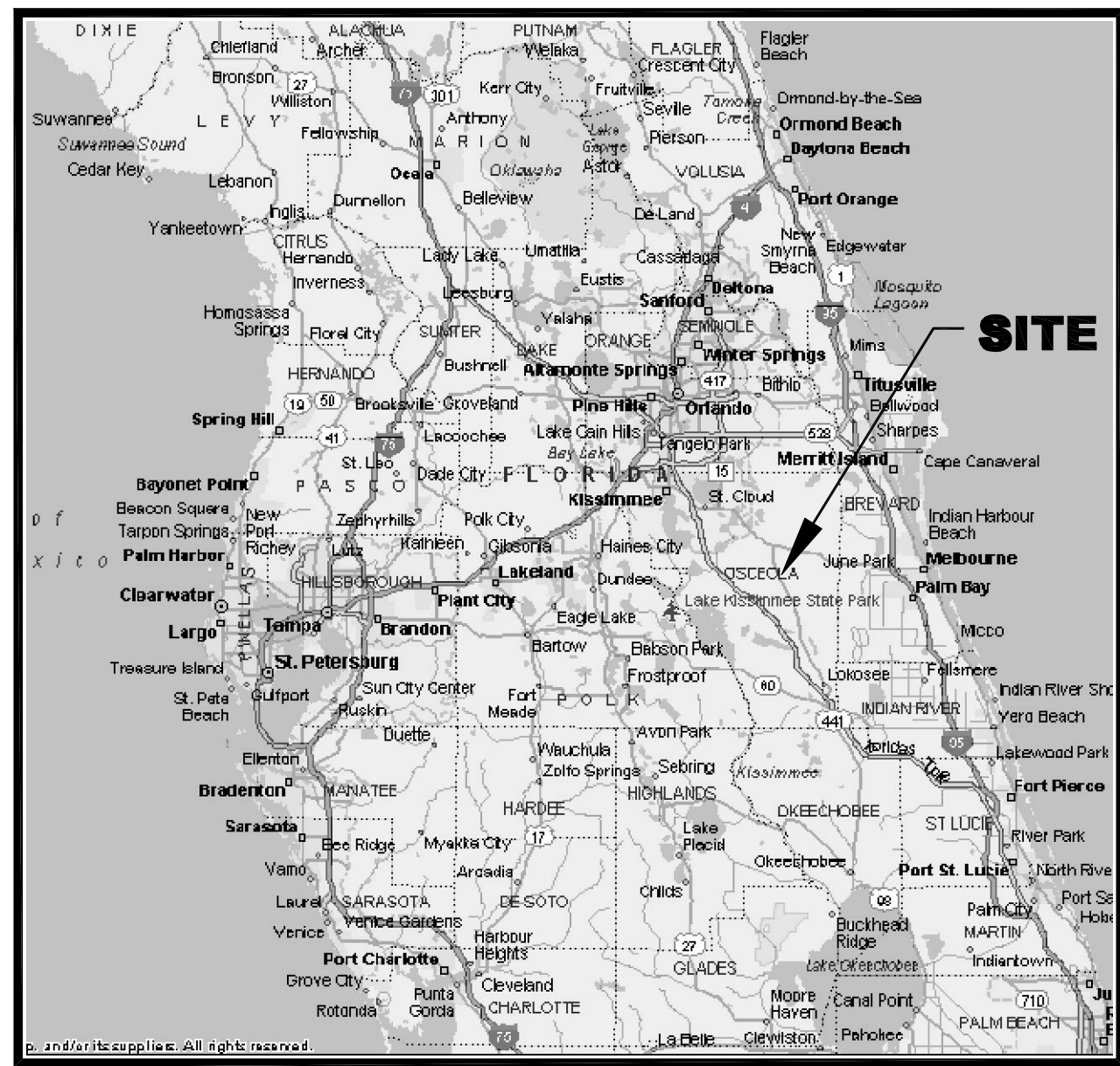


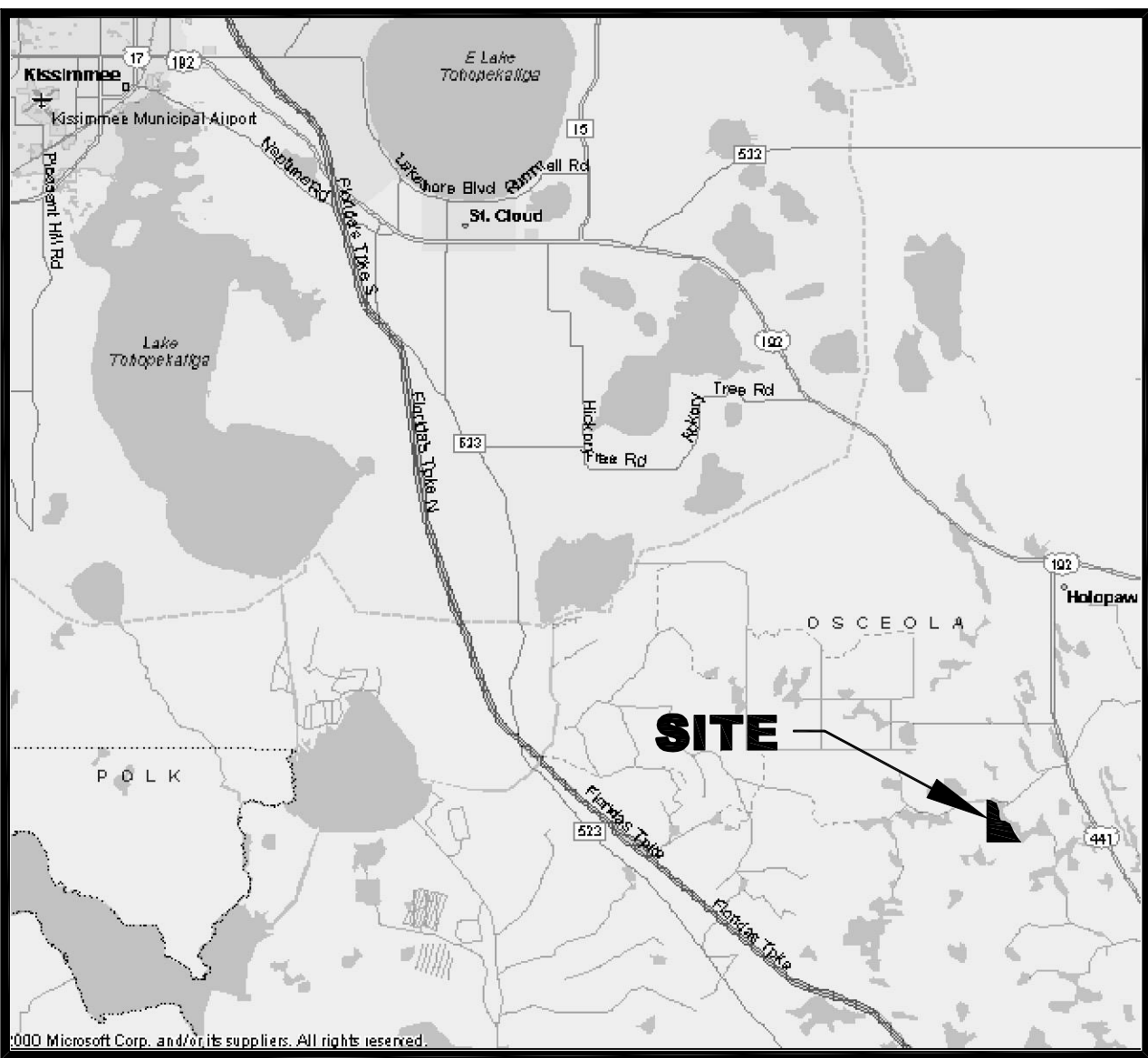
APPENDIX I
Lateral Expansion Permit Drawings

J.E.D. SOLID WASTE MANAGEMENT FACILITY
ST.CLOUD, FLORIDA
LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION
FEBRUARY 2011



LOCATION MAP

0 32
SCALE: 1" = 32 MILES



VICINITY MAP

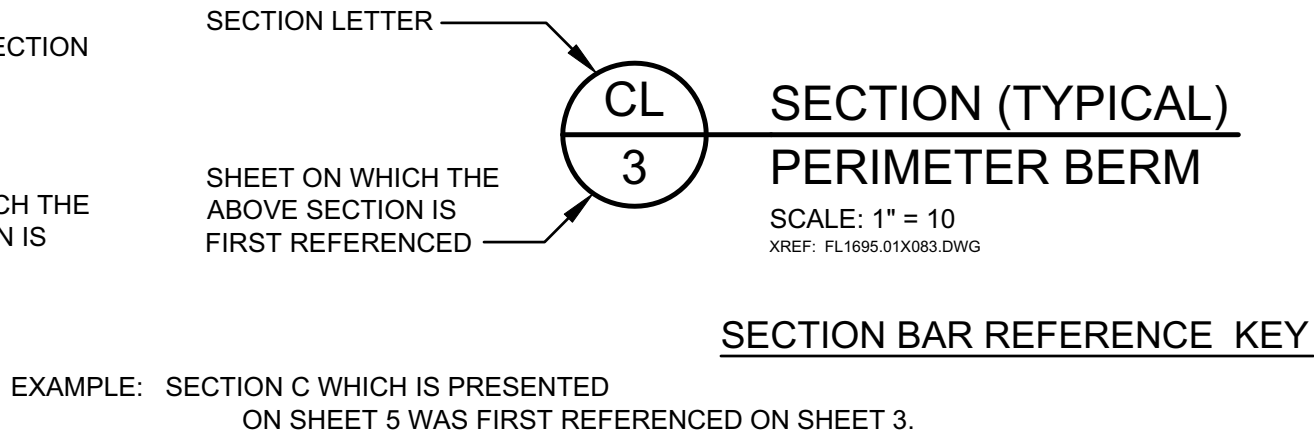
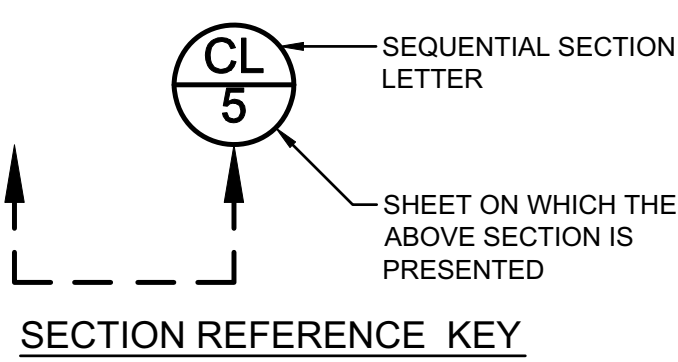
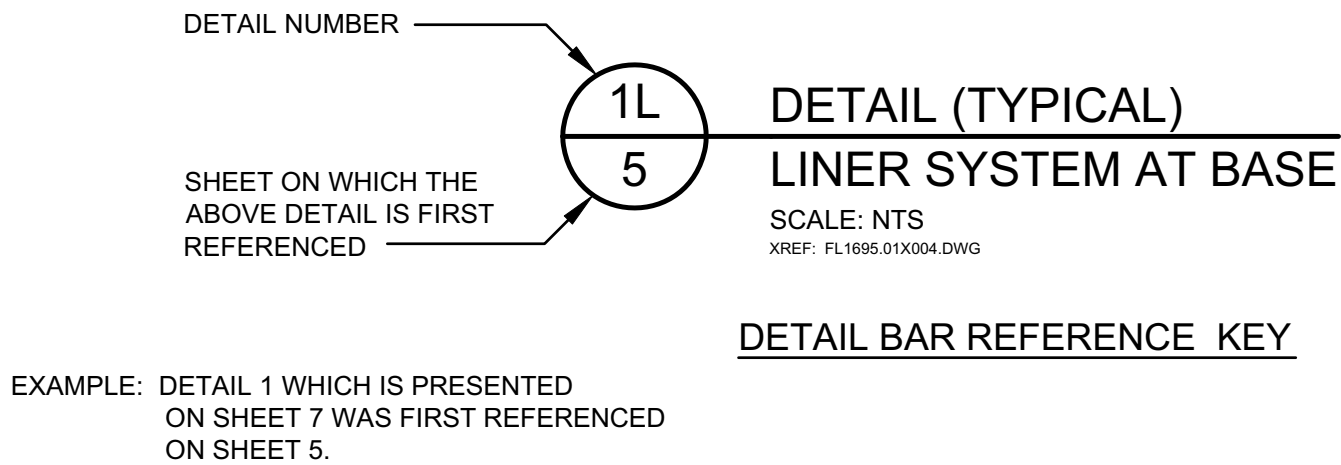
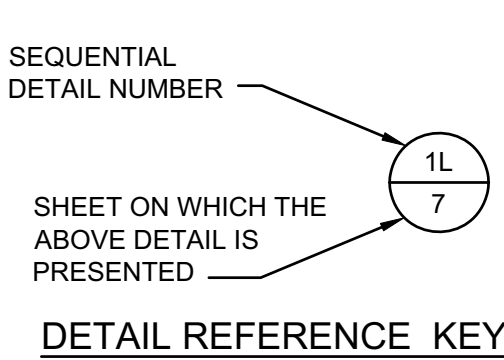
0 4
SCALE: 1" = 4 MILES

LIST OF DRAWINGS			
SHEET	TITLE	REVISION	COMMENTS
1	TITLE SHEET	0	
2	PARCEL SURVEY AND LEGAL DESCRIPTION	0	NOTE 1,2
3	GENERAL SITE AND SURROUNDING AREA INFORMATION	0	NOTE 1,2
3A	EXISTING SITE CONDITIONS AND RECENT AERIAL PHOTOGRAPH	0	
3B	RECENT TOPOGRAPHIC MAP OF THE SITE	0	
4	MISCELLANEOUS SITE INFORMATION	0	NOTE 1,2
5	SITE CHARACTERIZATION PLAN I	0	
6	SITE CHARACTERIZATION PLAN II	0	
7	SITE DEVELOPMENT PLAN	0	
8	PHASE 2 BASE GRADING PLAN	0	NOTE 1,3
9	PHASE 3 BASE GRADING PLAN	0	NOTE 1,3
9A	BASE GRADING PLAN I FOR FUTURE CELLS	0	
9B	BASE GRADING PLAN II FOR FUTURE CELLS	0	
10	LEACHATE COLLECTION SYSTEM LAYOUT PLAN I	0	
11	LEACHATE COLLECTION SYSTEM LAYOUT PLAN II	0	
12	LANDFILL CROSS SECTIONS I	0	
12A	LANDFILL CROSS SECTIONS II	0	
12B	LANDFILL CROSS SECTIONS III	0	
13	PERIMETER BERM TYPICAL SECTIONS	0	
14	LINER SYSTEM DETAILS I - CELLS 8 THROUGH 23	0	
15	LINER SYSTEM DETAILS II - CELLS 8 THROUGH 23	0	
16	LEACHATE SUMP PLAN - CELLS 8 THROUGH 23	0	
17	SECONDARY SUMP CROSS SECTIONS - CELLS 8 THROUGH 23	0	
17A	PRIMARY SUMP CROSS SECTIONS - CELLS 8 THROUGH 23	0	
18	LEACHATE SUMP CROSS SECTIONS - CELLS 8 THROUGH 23	0	
19	LEACHATE COLLECTION SYSTEM DETAILS - CELLS 8 THROUGH 23	0	
20	LEACHATE STORAGE FACILITY PLAN	0	NOTE 1,2
21	LEACHATE STORAGE FACILITY CROSS SECTIONS	0	NOTE 1,2
22	LEACHATE MANAGEMENT SYSTEM SCHEMATIC DIAGRAM I	0	NOTE 1,2
23	LEACHATE MANAGEMENT SYSTEM SCHEMATIC DIAGRAM II	0	NOTE 1,2
24	UPDATED GROUNDWATER MONITORING NETWORK AND BENCH MARKS	0	NOTE 1,2
25	PHASE 2 CONSTRUCTION SEQUENCING	0	NOTE 1,2
26	PHASE 3 CONSTRUCTION SEQUENCING	0	NOTE 1,2
26A	FUTURE CONSTRUCTION AND WASTE FILL SEQUENCING	0	
27	WASTE FILL SEQUENCING PLAN I	0	NOTE 1,3
28	WASTE FILL SEQUENCING PLAN II	0	NOTE 1,3
29	GAS MANAGEMENT SYSTEM (GMS) PLAN I	0	
29A	GMS PLAN II	0	
29B	CONCEPTUAL LAYOUT OF HORIZONTAL GAS COLLECTORS	0	
30	GAS MANAGEMENT DETAILS I	0	NOTE 1,2
31	GAS MANAGEMENT DETAILS II	0	
32	GAS MANAGEMENT DETAILS III	0	
32A	GAS MANAGEMENT DETAILS IV	0	
32B	LFG PIPELINE DETAILS I	0	
33	REVISED FINAL COVER SYSTEM GRADING PLAN I	0	
34	REVISED FINAL COVER SYSTEM GRADING PLAN II	0	
35	FINAL COVER SYSTEM DETAILS	0	NOTE 1,3
36	STORM WATER MANAGEMENT PLAN I	0	NOTE 4
37	STORM WATER MANAGEMENT PLAN II	0	NOTE 4
38	STORM WATER MANAGEMENT DETAILS I	0	NOTE 4
39	STORM WATER MANAGEMENT DETAILS II	0	NOTE 4
40	STORM WATER MANAGEMENT DETAILS III	0	NOTE 4

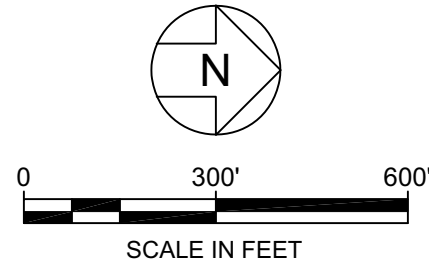
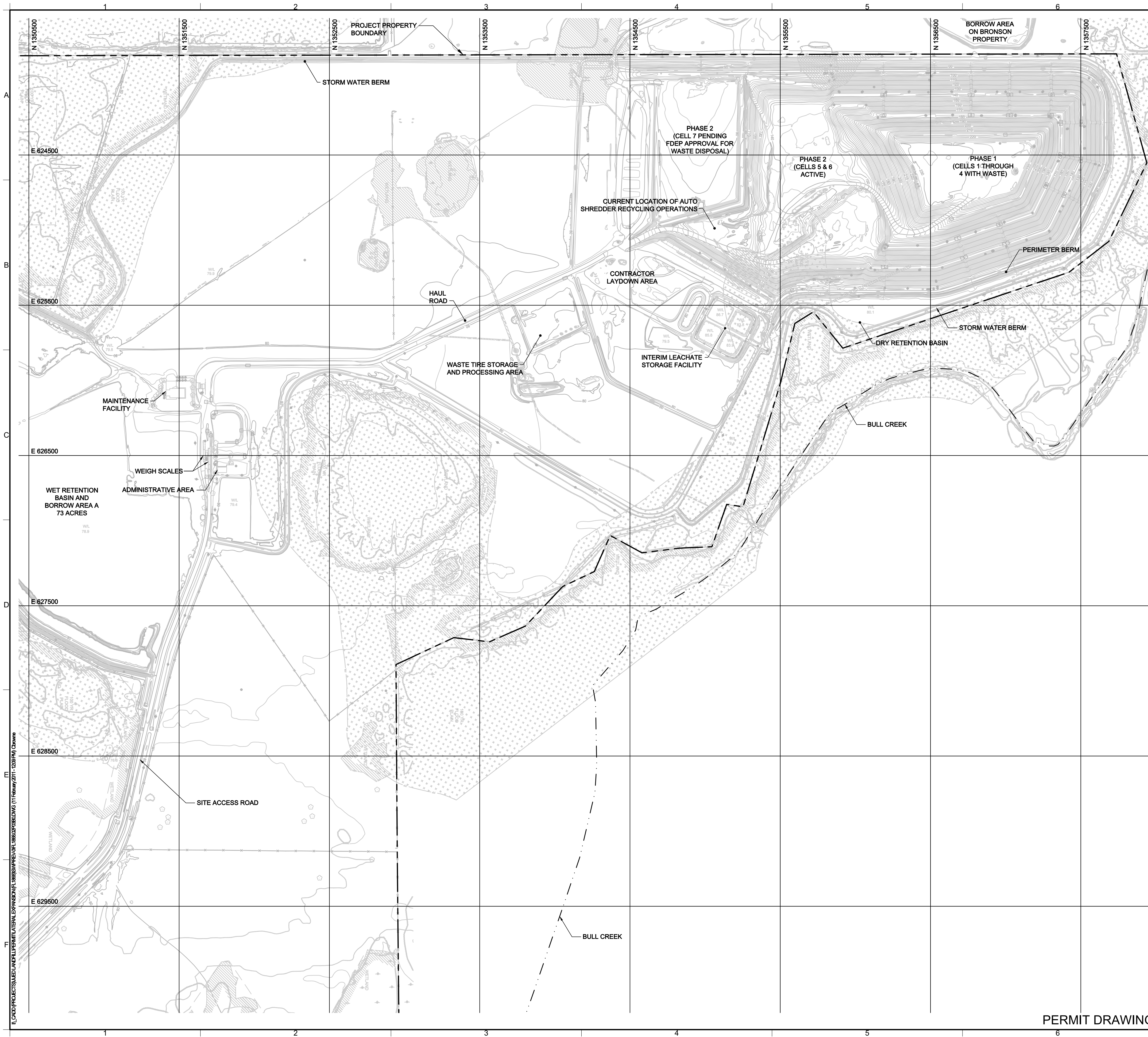
NOTES:

- THESE LATERAL EXPANSION PERMIT DRAWINGS MODIFY PREVIOUSLY APPROVED PERMIT DRAWINGS (AS INDICATED BY NOTES 2 AND 3). ONLY THE SHEETS THAT HAVE BEEN MODIFIED (INDICATED IN BOLD FONT IN THE DRAWING LIST) ARE INCLUDED IN THE PERMIT DRAWING SET. THERE ARE NO SUBSTANTIAL CHANGES TO THE REMAINING DRAWINGS (WHICH HAVE BEEN SCREENED IN THE DRAWING LIST).
- REFER TO RENEWAL PERMIT DRAWINGS FOR PHASES 2 AND 3 SUBMITTED TO FDEP IN SEPTEMBER 2006.
- REFER TO MAJOR MODIFICATION PERMIT DRAWINGS FOR PHASES 1 THROUGH 3 SUBMITTED TO FDEP IN SEPTEMBER 2007.
- THE DRAWINGS RELATED TO THE STORM WATER MANAGEMENT SYSTEM HAVE BEEN MODIFIED AND SUBMITTED TO FDEP ALONG WITH THE ERP CONCEPTUAL PERMIT MODIFICATION APPLICATION.
- THE SECTIONS AND DETAILS NUMBERING IN THIS LATERAL EXPANSION PERMIT DRAWING SET HAVE BEEN FOLLOWED BY THE LETTER "L" TO DISTINGUISH THEM FROM SECTIONS AND DETAILS SUBMITTED IN PREVIOUS PERMIT DRAWING SETS FOR THE JED FACILITY IN 2006 AND 2007.

PERMIT DRAWING



0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP
Geosyntec consultants 13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER: 4321				
WSI WASTE SERVICES, INC. 1501 OMNI WAY ST. CLOUD, FLORIDA 34773 TEL: 407-891-3720 FAX: 407-891-3730				
TITLE: LATERAL EXPANSION MAJOR SOLID WASTE PERMIT MODIFICATION				
PROJECT: J.E.D. SOLID WASTE MANAGEMENT FACILITY				
SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY				
DESIGN BY: CRB/JWO DATE: FEBRUARY 2011				
DRAWN BY: JWO PROJECT NO.: FL1868				
CHECKED BY: CRB FILE: FL1868.02P010				
REVIEWED BY: JAB DRAWING NO.: 1 OF 40				
APPROVED BY: CRB				

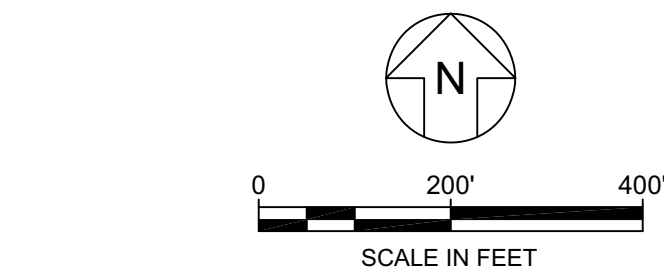
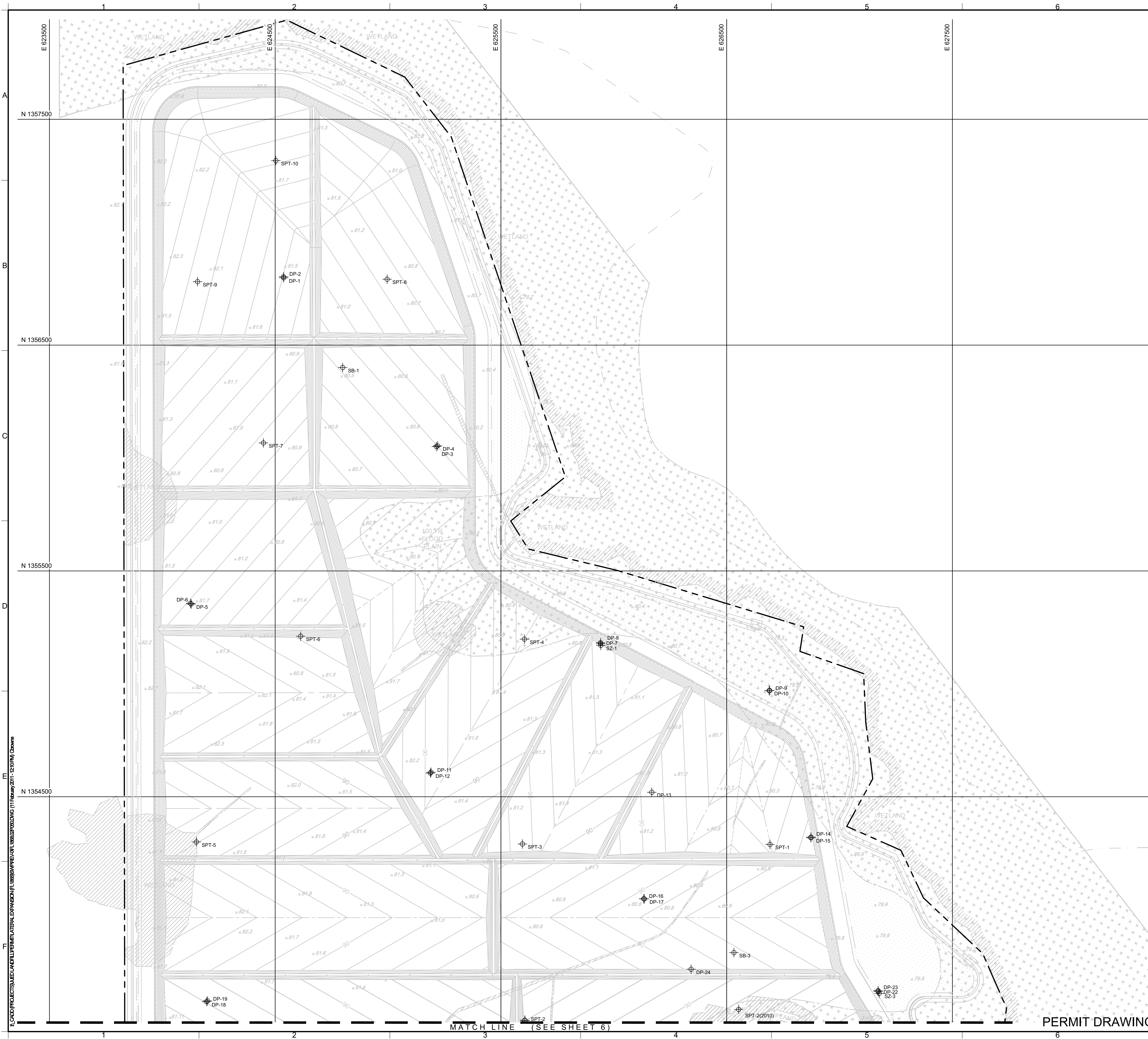


LEGEND	
	PROPERTY BOUNDARY
	APPROXIMATE LOCATION OF INTERMITTENT STREAM
	EXISTING GROUND ELEVATION (FEET) (SEE NOTE 3)
	EXISTING FENCE
	WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 4)
	WETLAND BOUNDARY BY FIELD SURVEY (SEE NOTE 4)
	100-YEAR FLOODPLAIN (SEE NOTE 5)

- NOTES:
- NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
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 - TOPOGRAPHIC INFORMATION SHOWN ON THIS DRAWING WAS PROVIDED BY BASE MAPPING CO. LTD BASED ON AN AERIAL PHOTOGRAPH TAKEN ON 24 JULY 2010.
 - THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED 15 MAY 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC. (BRA) AND JDS PERMIT, A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, AND A FIELD SURVEY DATED 24 NOVEMBER 2010 BY PEAVEY & ASSOCIATES OF WETLAND BOUNDARIES FLAGGED BY ENTRIX, INC.
 - THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002 AND RECONFIRMED WITH THE OSCEOLA COUNTY GIS DEPARTMENT ON 24 SEPTEMBER 2010.

0	FEB 2011	ISSUED FOR FDEP APPROVAL		JWO	CRB
REV	DATE	DESCRIPTION		DRN	APP
<div><div>Geosyntec consultants 13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0990 - FX:813.558.9726 AUTHORIZATION NUMBER: 4321</div><div> 1501 OMNI WAY ST. CLOUD, FLORIDA 34773 TEL: 407-891-3720 FAX: 407-891-3730</div></div>					
TITLE: RECENT TOPOGRAPHIC MAP OF THE SITE					
PROJECT: LATERAL EXPANSION MAJOR SOLID WASTE PERMIT MODIFICATION					
SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY					
 SIGNATURE 2/17/2011 DATE		 CRAIG BROWNE - LICENSE NO. 688613		DESIGN BY:	CRB/JWO
				DATE:	FEBRUARY 2011
				DRAWN BY:	JWO
				PROJECT NO.:	FL1868
				CHECKED BY:	CRB
				FILE:	FL1868.02P03B0
				REVIEWED BY:	JAB
				DRAWING NO.:	
				APPROVED BY:	CRB
					3B OF 40

PERMIT DRAWING



- LEGEND
- PROPERTY BOUNDARY
 - EXISTING GROUND ELEVATION (FEET) (SEE NOTE 4)
 - APPROXIMATE LOCATION OF INTERMITTENT STREAM
 - SUBBASE ELEVATION (FEET)
 - WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
 - WETLAND BOUNDARY BY FIELD SURVEY (SEE NOTE 5)
 - 100-YEAR FLOODPLAIN (SEE NOTE 6)
 - STORMWATER MANAGEMENT POND
 - BORROW AREA BOUNDARY
 - DP-2 DIRECT PUSH / MONITORING WELL LOCATION
 - SZ-1 SHELL ZONE WELL LOCATION
 - SB-1 ROTASONIC BORING LOCATION
 - SPT-1 STANDARD PENETRATION TEST (SPT) BORING LOCATION
 - SPT-1(2010) STANDARD PENETRATION TEST (SPT) BORING LOCATION PERFORMED BY GEOSYNTEC IN 2010

Point#	Northing	Easting	Top of Casing EL. (FT)	Ground EL. (FT)	Point#	Northing	Easting	TOC (FT)	Gr. EL. (FT)
DP-1	1,356,797.91	624,537.79	84.12	81.20	SB-2	1,353,191.00	624,139.00	-	82.00
DP-2	1,356,802.93	624,536.96	84.11	81.20	SB-3	1,353,810.00	626,532.00	-	79.20
DP-3	1,356,050.85	625,213.95	82.22	79.30	SPT-1	1,354,289.00	626,692.00	-	79.30
DP-4	1,356,053.84	625,219.58	82.24	79.30	SPT-2	1,353,510.00	625,606.00	-	79.40
DP-5	1,355,353.25	624,128.08	84.13	81.60	SPT-3	1,354,291.00	625,595.00	-	80.10
DP-6	1,355,356.37	624,125.45	84.23	81.60	SPT-4	1,355,198.00	625,604.00	-	80.20
DP-7	1,355,177.88	625,941.53	82.63	79.60	SPT-5	1,354,300.00	624,151.00	-	82.30
DP-8	1,355,182.23	625,941.31	82.78	79.60	SPT-6	1,355,211.00	624,613.00	-	80.80
DP-9	1,354,970.41	626,691.23	81.58	78.90	SPT-7	1,356,067.00	624,448.00	-	80.40
DP-10	1,354,970.16	626,687.84	81.59	78.90	SPT-8	1,356,792.00	624,996.00	-	80.10
DP-11	1,354,609.00	625,190.27	84.06	81.20	SPT-9	1,356,781.00	624,156.00	-	81.50
DP-12	1,354,604.52	625,187.66	84.18	81.20	SPT-10	1,357,317.00	624,503.00	-	81.00
DP-13	1,354,519.86	626,168.29	83.09	80.00	SPT-11	1,351,994.00	624,604.00	-	80.70
DP-14	1,354,321.35	626,873.19	81.97	78.90	SPT-12	1,351,602.00	625,635.00	-	80.40
DP-15	1,354,318.16	626,873.34	81.98	78.90	SPT-13	1,351,240.00	626,443.00	-	81.10
DP-16	1,354,048.17	626,132.23	82.57	79.50	SPT-14	1,350,398.00	626,102.00	-	81.00
DP-17	1,354,047.58	626,135.33	82.58	79.50	SPT-15	1,349,802.00	625,707.00	-	80.70
DP-18	1,353,592.44	624,195.90	84.38	81.20	SZ-1	1,355,170.25	625,942.43	82.43	79.60
DP-19	1,353,596.07	624,200.39	84.34	81.20	SZ-2	1,353,030.47	625,511.10	83.16	79.80
DP-20	1,353,034.67	625,503.33	83.07	79.80	SZ-3	1,353,629.43	627,175.45	81.27	78.30
DP-21	1,353,030.01	625,502.82	83.00	79.80	SPT-1(2010)	1,352,101.58	626,189.62	-	79.93
DP-22	1,353,637.77	627,171.49	81.00	78.30	SPT-2(2010)	1,353,558.01	626,553.26	-	78.79
DP-23	1,353,641.31	627,170.88	81.27	78.30	SPT-3(2010)	1,352,965.21	627,387.97	-	78.22
DP-24	1,353,736.22	626,342.40	82.22	79.20	SPT-4(2010)	1,352,714.69	627,035.50	-	77.46
SB-1	1,356,401.00	624,799.00	-	80.00	SPT-5(2010)	1,351,944.10	626,526.17	-	83.54
					SPT-6(2010)	1,352,144.14	627,742.12	-	78.19

- NOTES:
- NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
 - THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
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 - PROPOSED GRADING IS SHOWN IN THE BACKGROUND TO ILLUSTRATE TEST LOCATIONS RELATIVE TO THE JED DISPOSAL FACILITY LAYOUT.

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP
Geosyntec consultants 13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER: 4321				
WSI WASTE SERVICES, INC. 1501 OMNI WAY ST. CLOUD, FLORIDA 34773 TEL: 407-891-3720 FAX: 407-891-3730				
TITLE: SITE CHARACTERIZATION PLAN I				
PROJECT: LATERAL EXPANSION MAJOR SOLID WASTE PERMIT MODIFICATION				
SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY				
DESIGN BY: CRB/JWO		DATE: FEBRUARY 2011		
DRAWN BY: JWO		PROJECT NO.: FL1868		
CHECKED BY: CRB		FILE: FL1868.02P050		
REVIEWED BY: JAB		DRAWING NO.: 5 OF 40		
APPROVED BY: CRB				
CRAIG BROWNE - LICENSE NO. 68813				

MATCH LINE (SEE SHEET 5)



0 200' 400'
SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- EXISTING GROUND ELEVATION (FEET)
(SEE NOTE 4)
- APPROXIMATE LOCATION OF INTERMITTENT STREAM
SUBBASE ELEVATION (FEET)
- WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA
(SEE NOTE 5)
- WETLAND BOUNDARY BY FIELD SURVEY (SEE NOTE 5)
- 100-YEAR FLOODPLAIN (SEE NOTE 6)
- STORMWATER MANAGEMENT POND
- BORROW AREA BOUNDARY
- DP-2 DIRECT PUSH / MONITORING WELL LOCATION
- SZ-1 SHELL ZONE WELL LOCATION
- SB-1 ROTASONIC BORING LOCATION
- SPT-1 STANDARD PENETRATION TEST (SPT) BORING LOCATION
- SPT-1(2010) STANDARD PENETRATION TEST (SPT) BORING LOCATION
PERFORMED BY GEOSYNTEC IN 2010

Point#	Northing	Easting	Top of Casing EL. (FT)	Ground EL. (FT)	Point#	Northing	Easting	TOC (FT)	Gr. EL. (FT)
DP-1	1,356,797.91	624,537.79	84.12	81.20	SB-2	1,353,191.00	624,139.00	-	82.00
DP-2	1,356,802.93	624,536.96	84.11	81.20	SB-3	1,353,810.00	626,532.00	-	79.20
DP-3	1,356,050.85	625,213.95	82.22	79.30	SPT-1	1,354,289.00	626,692.00	-	79.30
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DP-6	1,355,356.37	624,125.45	84.23	81.60	SPT-4	1,355,198.00	625,604.00	-	80.20
DP-7	1,355,177.88	625,941.53	82.63	79.60	SPT-5	1,354,300.00	624,151.00	-	82.30
DP-8	1,355,182.23	625,941.31	82.78	79.60	SPT-6	1,355,211.00	624,613.00	-	80.80
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DP-11	1,354,609.00	625,190.27	84.06	81.20	SPT-9	1,356,781.00	624,156.00	-	81.50
DP-12	1,354,604.52	625,187.66	84.18	81.20	SPT-10	1,357,317.00	624,503.00	-	81.00
DP-13	1,354,519.86	626,168.29	83.09	80.00	SPT-11	1,351,994.00	624,604.00	-	80.70
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DP-20	1,353,034.67	625,503.33	83.07	79.80	SZ-3	1,353,629.43	627,175.45	81.27	78.30
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DP-23	1,353,641.31	627,170.88	81.27	78.30	SPT-3(2010)	1,352,965.21	627,387.97	-	78.22
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NOTES:

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- PROPOSED GRADING IS SHOWN IN THE BACKGROUND TO ILLUSTRATE TEST LOCATIONS RELATIVE TO THE JED DISPOSAL FACILITY LAYOUT.

REV	DATE	DESCRIPTION	DRN	APP
0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB

Geosyntec
consultants

13101 TELECOM DRIVE, SUITE 120
TEMPLE TERRACE, FLORIDA 33637 USA
PH: 813.558.0990 - FX: 813.558.9726
AUTHORIZATION NUMBER: 4321



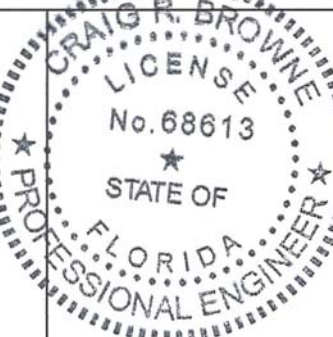
1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

SITE CHARACTERIZATION PLAN II

LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION

J.E.D. SOLID WASTE MANAGEMENT FACILITY

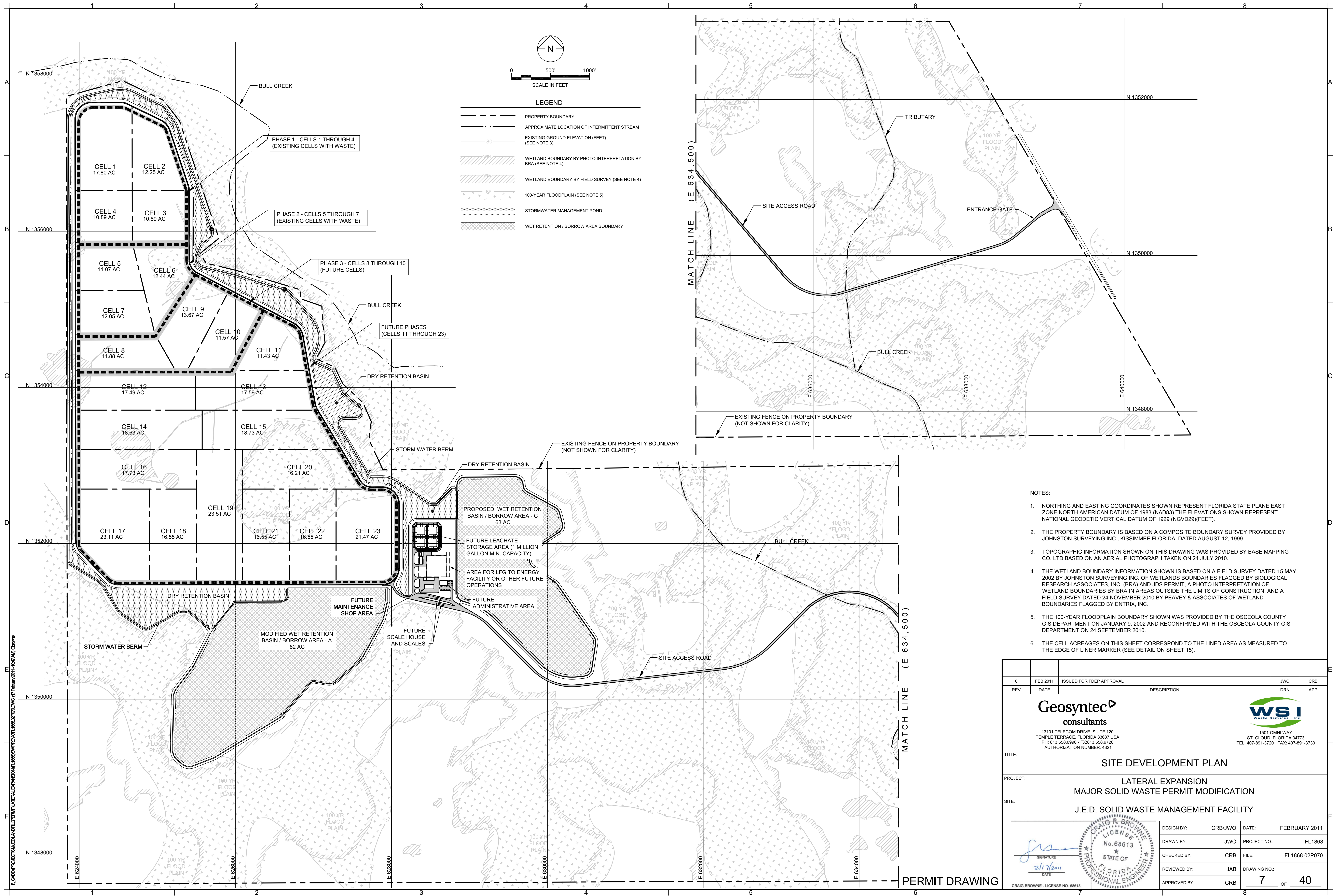
Craig R. Browne
SIGNATURE
2/17/2011
DATE



DESIGN BY:	CRB/JWO	DATE:	FEBRUARY 2011
DRAWN BY:	JWO	PROJECT NO.:	FL1868
CHECKED BY:	CRB	FILE:	FL1868.02P050
REVIEWED BY:	JAB	DRAWING NO.:	
APPROVED BY:	CRB	6	OF 40

CRAIG BROWNE - LICENSE NO. 68613

PERMIT DRAWING



- NOTES:
- NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETTIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
 - THE PROPERTY BOUNDARY IS BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
 - TOPOGRAPHIC INFORMATION SHOWN ON THIS DRAWING WAS PROVIDED BY BASE MAPPING CO. LTD BASED ON AN AERIAL PHOTOGRAPH TAKEN ON 24 JULY 2010.
 - THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED 15 MAY 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC. (BRA) AND JDS PERMIT, A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, AND A FIELD SURVEY DATED 24 NOVEMBER 2010 BY PEAVEY & ASSOCIATES OF WETLAND BOUNDARIES FLAGGED BY ENTRIX, INC.
 - THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002 AND RECONFIRMED WITH THE OSCEOLA COUNTY GIS DEPARTMENT ON 24 SEPTEMBER 2010.
 - THE CELL ACREAGES ON THIS SHEET CORRESPOND TO THE LINED AREA AS MEASURED TO THE EDGE OF LINER MARKER (SEE DETAIL ON SHEET 15).

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP

Geosyntec
consultants
13101 TELECOM DRIVE, SUITE 120
TEMPLE TERRACE, FLORIDA 33637 USA
PH: 813.558.0990 - FX:813.558.9726
AUTHORIZATION NUMBER: 4321

WSI
WASTE SERVICES, INC.
1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

TITLE: **SITE DEVELOPMENT PLAN**

PROJECT: **LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION**

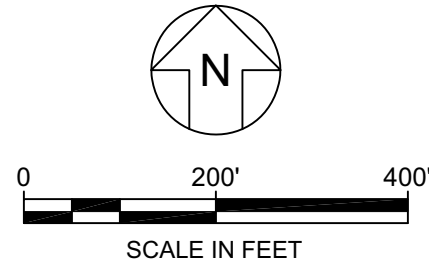
SITE: **J.E.D. SOLID WASTE MANAGEMENT FACILITY**

SIGNATURE
2/17/2011
DATE

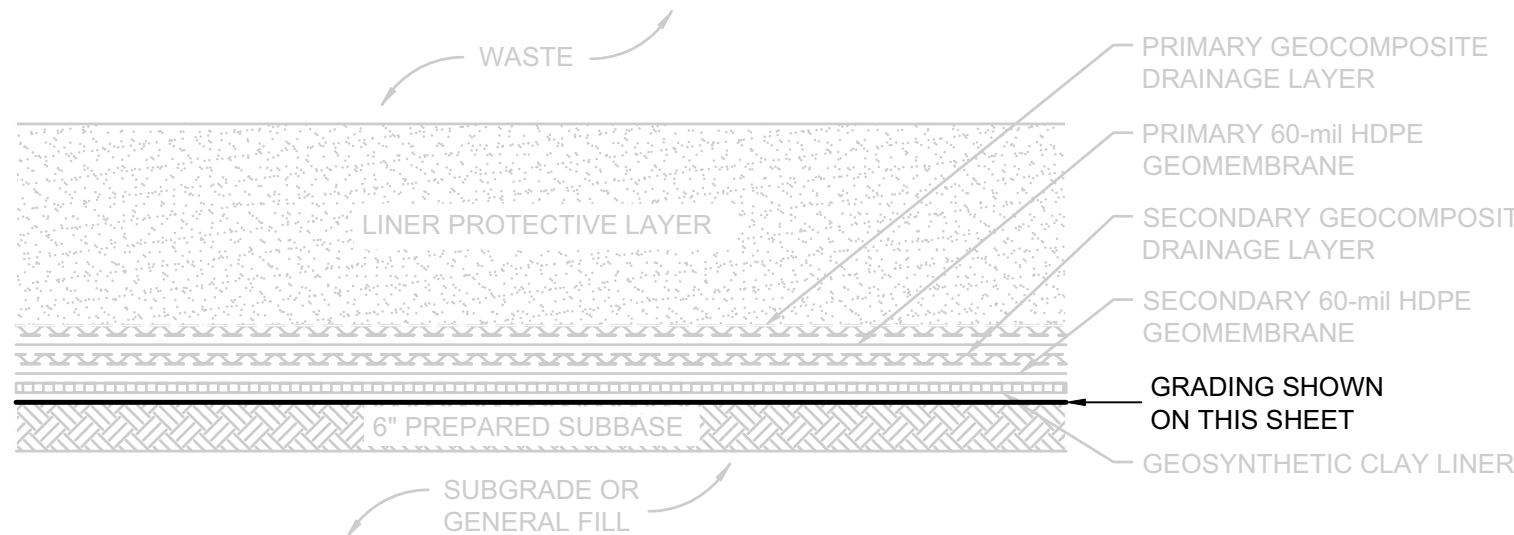
CRAIG R. BROWNE
LICENSE
No. 68613
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

DESIGN BY:	CRB/JWO	DATE:	FEBRUARY 2011
DRAWN BY:	JWO	PROJECT NO.:	FL1868
CHECKED BY:	CRB	FILE:	FL1868.02P070
REVIEWED BY:	JAB	DRAWING NO.:	
APPROVED BY:	CRB		7 OF 40

PERMIT DRAWING



- LEGEND**
- PROPERTY BOUNDARY
 - APPROXIMATE LOCATION OF INTERMITTENT STREAM (SEE NOTE 4)
 - EXISTING GROUND ELEVATION (FEET) (SEE NOTE 4)
 - EXISTING FENCE
 - WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
 - WETLAND BOUNDARY BY FIELD SURVEY (SEE NOTE 5)
 - 100-YEAR FLOODPLAIN (SEE NOTE 6)
 - STORMWATER MANAGEMENT BASIN
 - PROPOSED SUBBASE ELEVATION (FEET)



GRADING KEY MAP

SCALE: 1" = 2'
XREF: FL1868.02X012

CONSTRUCTION AND WASTE FILL SEQUENCE NOTES:

- PHASE 1 (CELLS 1 THROUGH 4) HAS BEEN COMPLETED AND HAS WASTE DISPOSED IN THE CELLS.
- THE SIDESLOPES OF CELLS 1 THROUGH 5 HAVE BEEN PARTIALLY CLOSED.
- PHASE 2 (CELLS 5 THROUGH 7) HAS BEEN COMPLETED AND HAS WASTE DISPOSED IN CELLS 5 AND 6.
- PHASES 3 THROUGH 8 WILL BE CONSTRUCTED IN ACCORDANCE WITH THESE PERMIT DRAWINGS (LATERAL EXPANSION PERMIT DRAWINGS DATED FEBRUARY 2010).

NOTES:

- NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
- THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
- THE PROPERTY BOUNDARY IS BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
- TOPOGRAPHIC INFORMATION SHOWN ON THIS DRAWING WAS PROVIDED BY BASE MAPPING CO. LTD BASED ON AN AERIAL PHOTOGRAPH TAKEN ON 24 JULY 2010.
- THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED 15 MAY 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC. (BRA) AND JDS PERMIT. A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, AND A FIELD SURVEY DATED 24 NOVEMBER 2010 BY PEAVEY & ASSOCIATES OF WETLAND BOUNDARIES FLAGGED BY ENTRIX, INC.
- THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002 AND RECONFIRMED WITH THE OSCEOLA COUNTY GIS DEPARTMENT ON 24 SEPTEMBER 2010.

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP

Geosyntec
consultants

13101 TELECOM DRIVE, SUITE 120
TEMPLE TERRACE, FLORIDA 33637 USA
PH: 813.558.0990 - FX: 813.558.9726
AUTHORIZATION NUMBER: 4321

WSI
WASTE SERVICES, INC.

1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

TITLE:
BASE GRADING PLAN I FOR FUTURE CELLS

PROJECT:
**LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION**

SITE:
J.E.D. SOLID WASTE MANAGEMENT FACILITY

SIGNATURE
2/17/2011
DATE

CRAIG BROWNE - LICENSE NO. 68613

DESIGN BY: CRB/JWO

DATE: FEBRUARY 2011

DRAWN BY: JWO

PROJECT NO.: FL1868

CHECKED BY: CRB

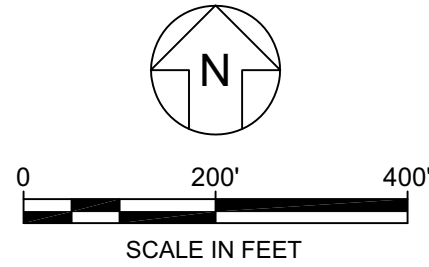
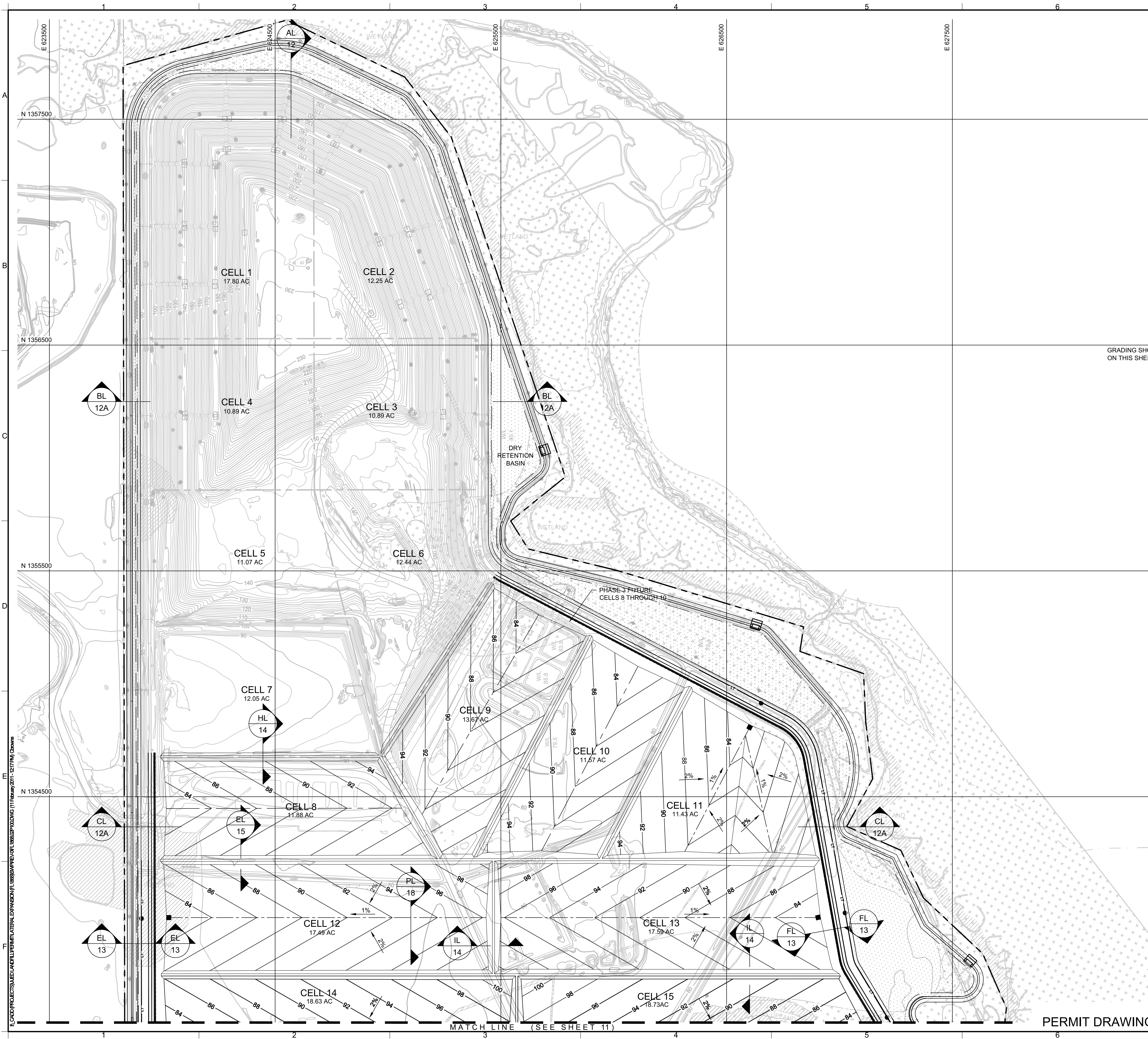
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REVIEWED BY: JAB

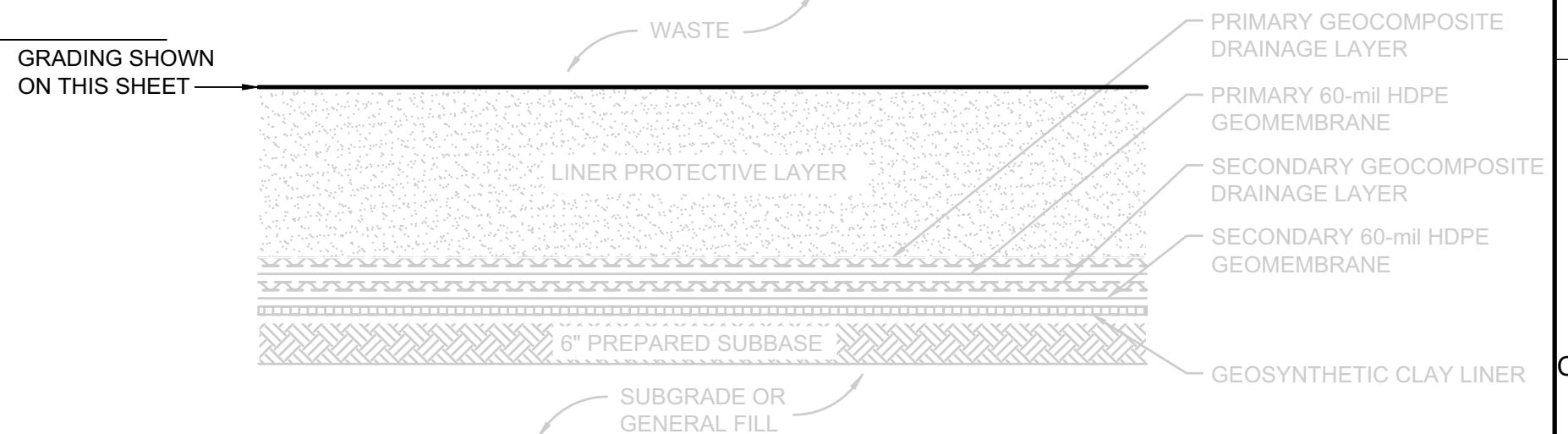
DRAWING NO.: 9A OF 40

APPROVED BY: CRB





- LEGEND**
- PROPERTY BOUNDARY
 - APPROXIMATE LOCATION OF INTERMITTENT STREAM
 - EXISTING GROUND ELEVATION (FEET) (SEE NOTE 4)
 - EXISTING FENCE
 - WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 5)
 - WETLAND BOUNDARY BY FIELD SURVEY (SEE NOTE 5)
 - 100-YEAR FLOODPLAIN (SEE NOTE 6)
 - STORMWATER MANAGEMENT BASIN
 - PROPOSED SUBBASE ELEVATION (FEET)
 - LEACHATE TRANSMISSION PIPE AND MANHOLE
 - LEACHATE COLLECTION PIPE AND SUMP



GRADING KEY MAP
SCALE: 1" = 2"
XREF: FL1868.02P100

- CONSTRUCTION AND WASTE FILL SEQUENCE NOTES:
- PHASE 1 (CELLS 1 THROUGH 4) HAS BEEN COMPLETED AND HAS WASTE DISPOSED IN THE CELLS.
 - THE SIDESLOPES OF CELLS 1 THROUGH 4 HAVE BEEN PARTIALLY CLOSED.
 - PHASE 2 (CELLS 5 THROUGH 7) HAS BEEN CONSTRUCTED AND HAS WASTE DISPOSED IN CELLS 5 AND 6. CELL 7 WASTE DISPOSAL OPERATIONS ARE PENDING FDEP APPROVAL.
 - PHASES 3 THROUGH 8 WILL BE CONSTRUCTED IN ACCORDANCE WITH THESE PERMIT DRAWINGS (LATERAL EXPANSION PERMIT DRAWINGS DATED FEBRUARY 2010).
- NOTES:
- NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
 - THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
 - THE PROPERTY BOUNDARY IS BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMMEE FLORIDA, DATED AUGUST 12, 1999.
 - TOPOGRAPHIC INFORMATION SHOWN ON THIS DRAWING WAS PROVIDED BY BASE MAPPING CO. LTD BASED ON AN AERIAL PHOTOGRAPH TAKEN ON 24 JULY 2010.
 - THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED 15 MAY 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC. (BRA) AND JDS PERMIT, A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, AND A FIELD SURVEY DATED 24 NOVEMBER 2010 BY PEAVEY & ASSOCIATES OF WETLAND BOUNDARIES FLAGGED BY ENTRIX, INC.
 - THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002.

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP

Geosyntec
consultants

13101 TELECOM DRIVE, SUITE 120
TEMPLE TERRACE, FLORIDA 33637 USA
PH: 813.558.0990 - FX: 813.558.9726
AUTHORIZATION NUMBER: 4321

WSI
WASTE SERVICES, INC.

1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

TITLE: **LEACHATE COLLECTION SYSTEM LAYOUT PLAN I**

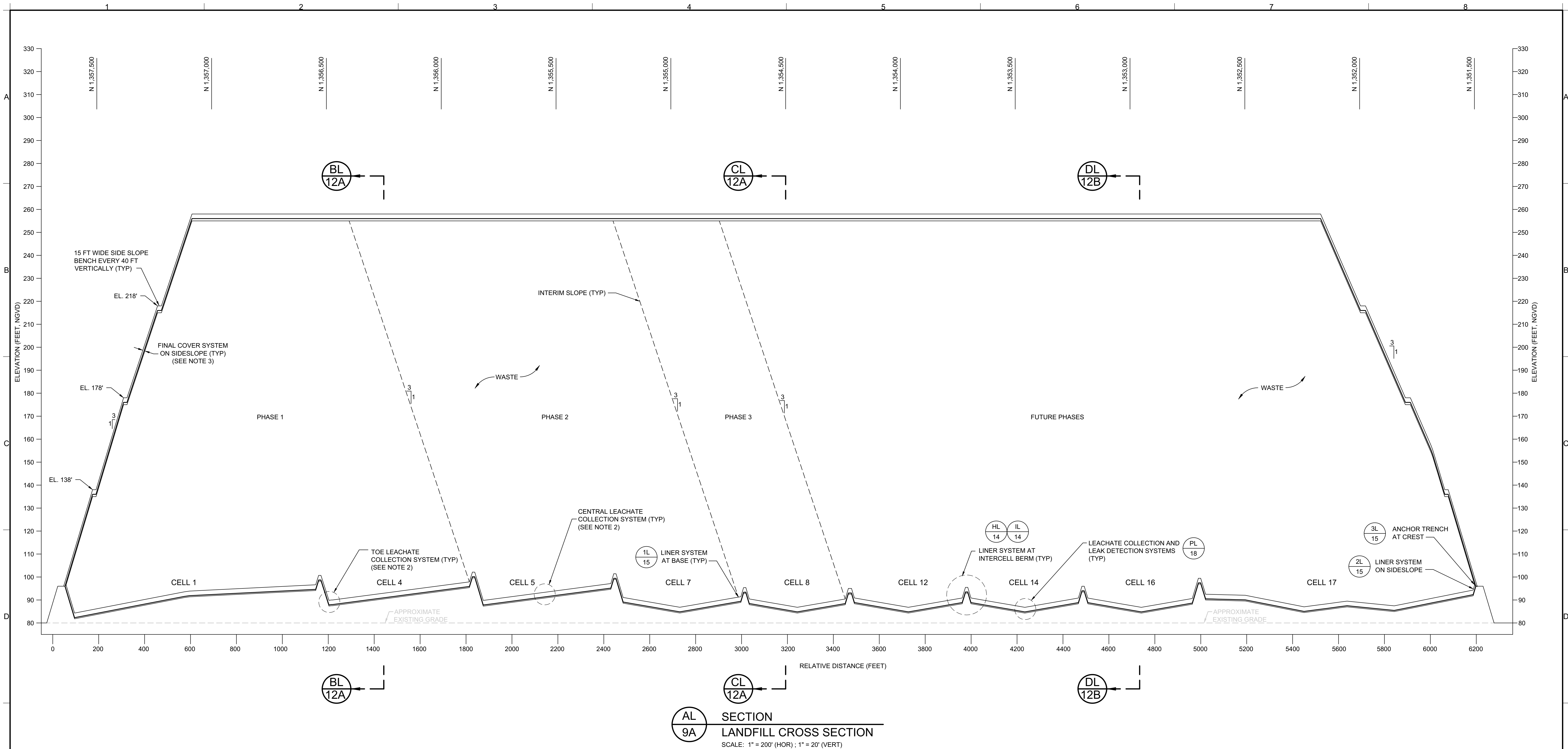
PROJECT: **LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION**

SITE: **J.E.D. SOLID WASTE MANAGEMENT FACILITY**

SIGNATURE
2/17/2011
DATE

CRAIG BROWNE - LICENSE NO. 68613

DESIGN BY:	CRB/JWO	DATE:	FEBRUARY 2011
DRAWN BY:	JWO	PROJECT NO.:	FL1868
CHECKED BY:	CRB	FILE:	FL1868.02P100
REVIEWED BY:	JAB	DRAWING NO.:	
APPROVED BY:	CRB		10 OF 40



GENERAL NOTES:

- THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) (FEET).
- THESE SECTIONS AND/OR DETAILS WERE INCLUDED IN THE RENEWAL PERMIT DRAWINGS DATED SEPTEMBER 2006. THERE ARE NO SUBSTANTIAL CHANGES TO THESE SECTIONS AND/OR DETAILS. THEREFORE, THESE SECTIONS AND/OR DETAILS ARE NOT INCLUDED IN THIS PERMIT DRAWING SET.
- THESE SECTIONS AND/OR DETAILS WERE INCLUDED IN THE VERTICAL EXPANSION PERMIT DRAWINGS DATED SEPTEMBER 2007. THERE ARE NO SUBSTANTIAL CHANGES TO THESE SECTIONS AND/OR DETAILS. THEREFORE, THESE SECTIONS AND/OR DETAILS ARE NOT INCLUDED IN THIS PERMIT DRAWING SET.

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP

Geosyntec
consultants

13101 TELECOM DRIVE, SUITE 120
TEMPLE TERRACE, FLORIDA 33637 USA
PH: 813.558.0990 - FX: 813.558.9726
AUTHORIZATION NUMBER: 4321

WSI
WASTE SERVICES, INC.

1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

TITLE: LANDFILL CROSS SECTIONS I			
PROJECT: LATERAL EXPANSION MAJOR SOLID WASTE PERMIT MODIFICATION			
SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY			

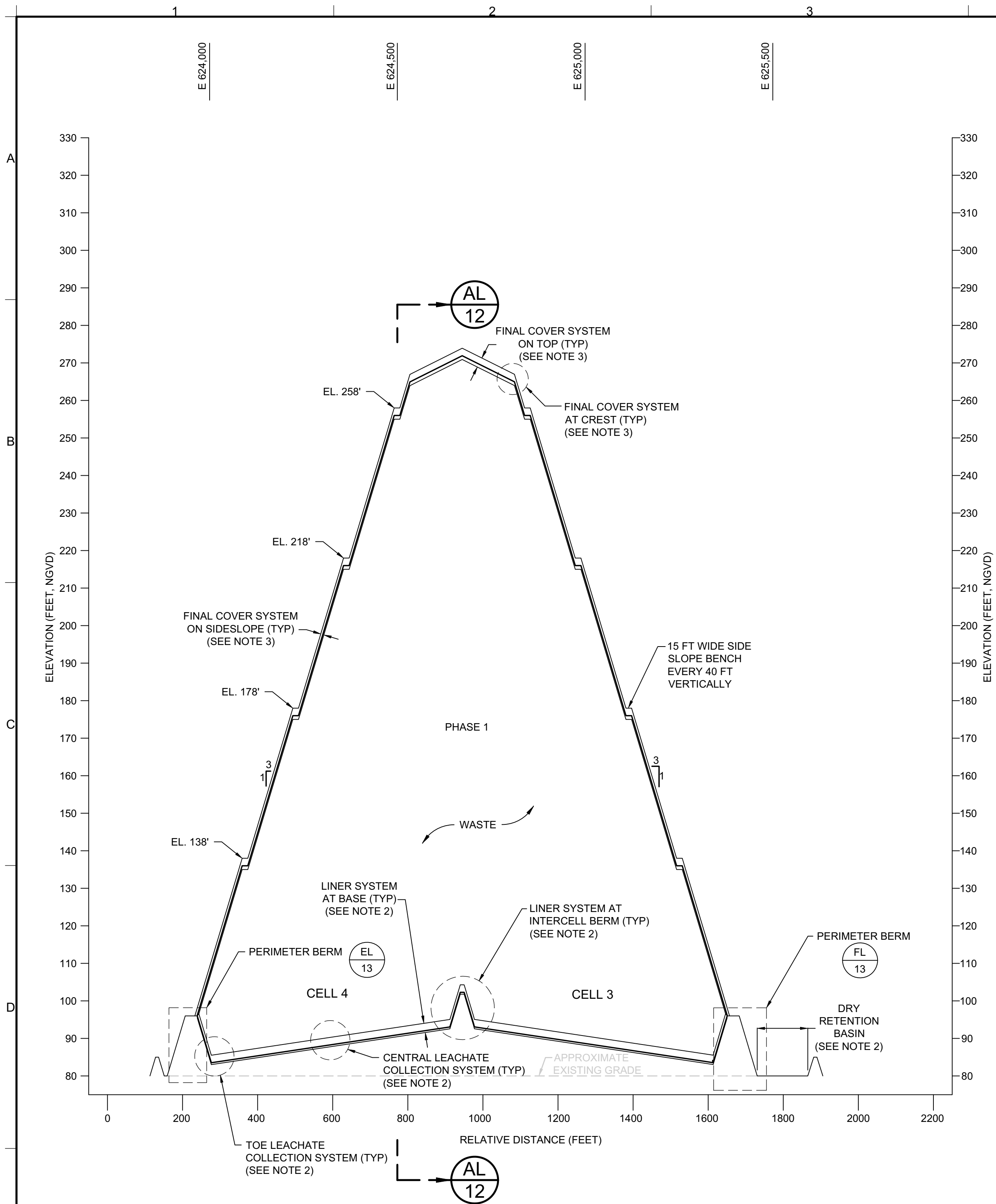
SIGNATURE
2/17/2011
DATE

CRAIG BROWNE - LICENSE NO. 68613

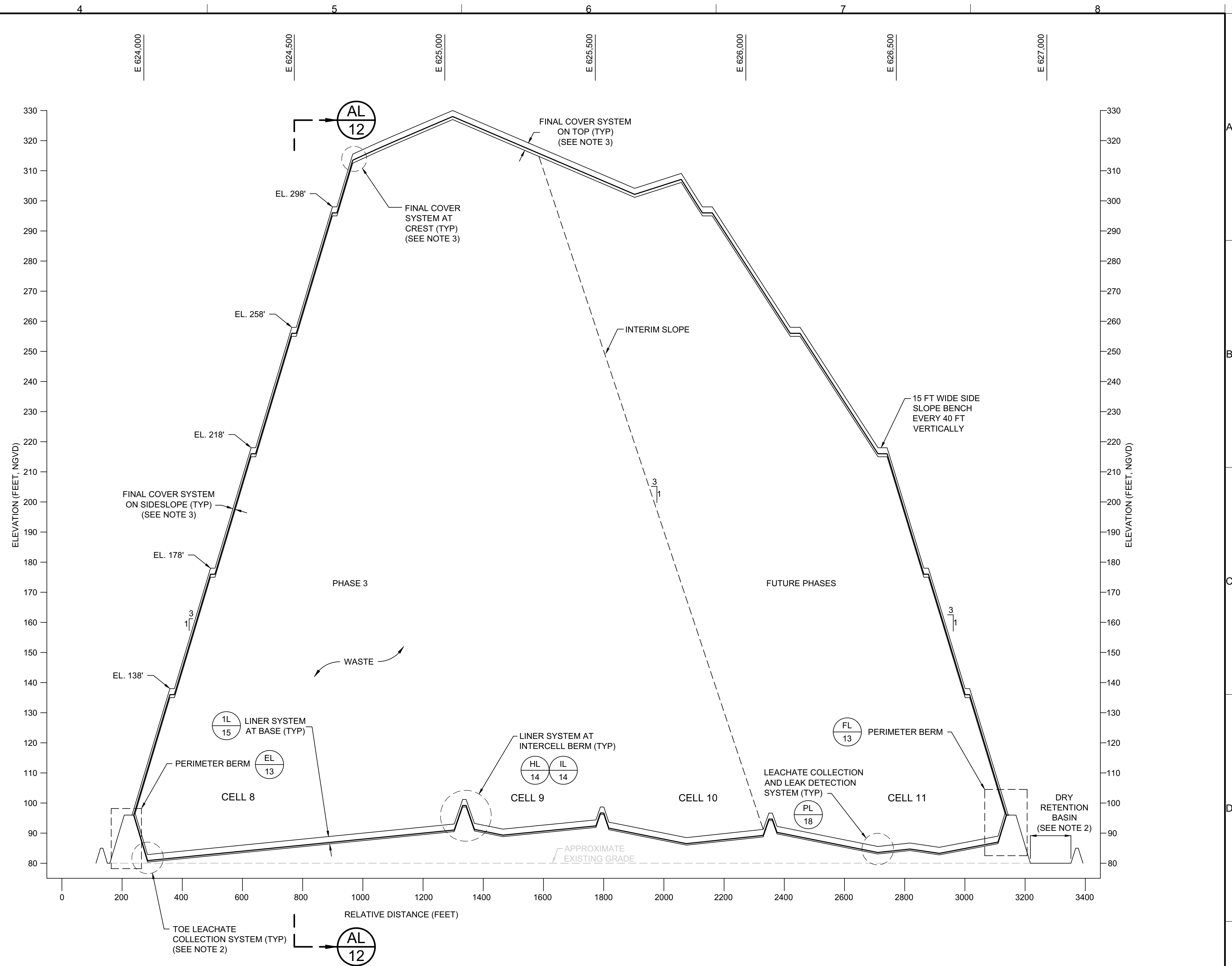
CRAIG BROWNE
LICENSE
No. 68613
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

DESIGN BY: CRB/JWO DATE: FEBRUARY 2011
DRAWN BY: JWO PROJECT NO.: FL1868
CHECKED BY: CRB FILE: FL1868.02P120
REVIEWED BY: JAB DRAWING NO.:
APPROVED BY: CRB 12 OF 40

PERMIT DRAWING



BL 9A SECTION
LANDFILL CROSS SECTION
SCALE: 1" = 200' (HOR) ; 1" = 20' (VERT)



CL 9A SECTION
LANDFILL CROSS SECTION
SCALE: 1" = 200' (HOR) ; 1" = 20' (VERT)

- GENERAL NOTES:
- THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) (FEET).
 - THESE SECTIONS AND/OR DETAILS WERE INCLUDED IN THE RENEWAL PERMIT DRAWINGS DATED SEPTEMBER 2006. THERE ARE NO SUBSTANTIAL CHANGES TO THESE SECTIONS AND/OR DETAILS. THEREFORE, THESE SECTIONS AND/OR DETAILS ARE NOT INCLUDED IN THIS PERMIT DRAWING SET.
 - THESE SECTIONS AND/OR DETAILS WERE INCLUDED IN THE VERTICAL EXPANSION PERMIT DRAWINGS DATED SEPTEMBER 2007. THERE ARE NO SUBSTANTIAL CHANGES TO THESE SECTIONS AND/OR DETAILS. THEREFORE, THESE SECTIONS AND/OR DETAILS ARE NOT INCLUDED IN THIS PERMIT DRAWING SET.

PERMIT DRAWING

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP

Geosyntec
consultants
13101 TELECOM DRIVE, SUITE 120
TEMPLE TERRACE, FLORIDA 33637 USA
PH: 813.558.0990 - FX: 813.558.9726
AUTHORIZATION NUMBER: 4321

WSI
WASTE SERVICES, INC.
1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

TITLE: LANDFILL CROSS SECTIONS II

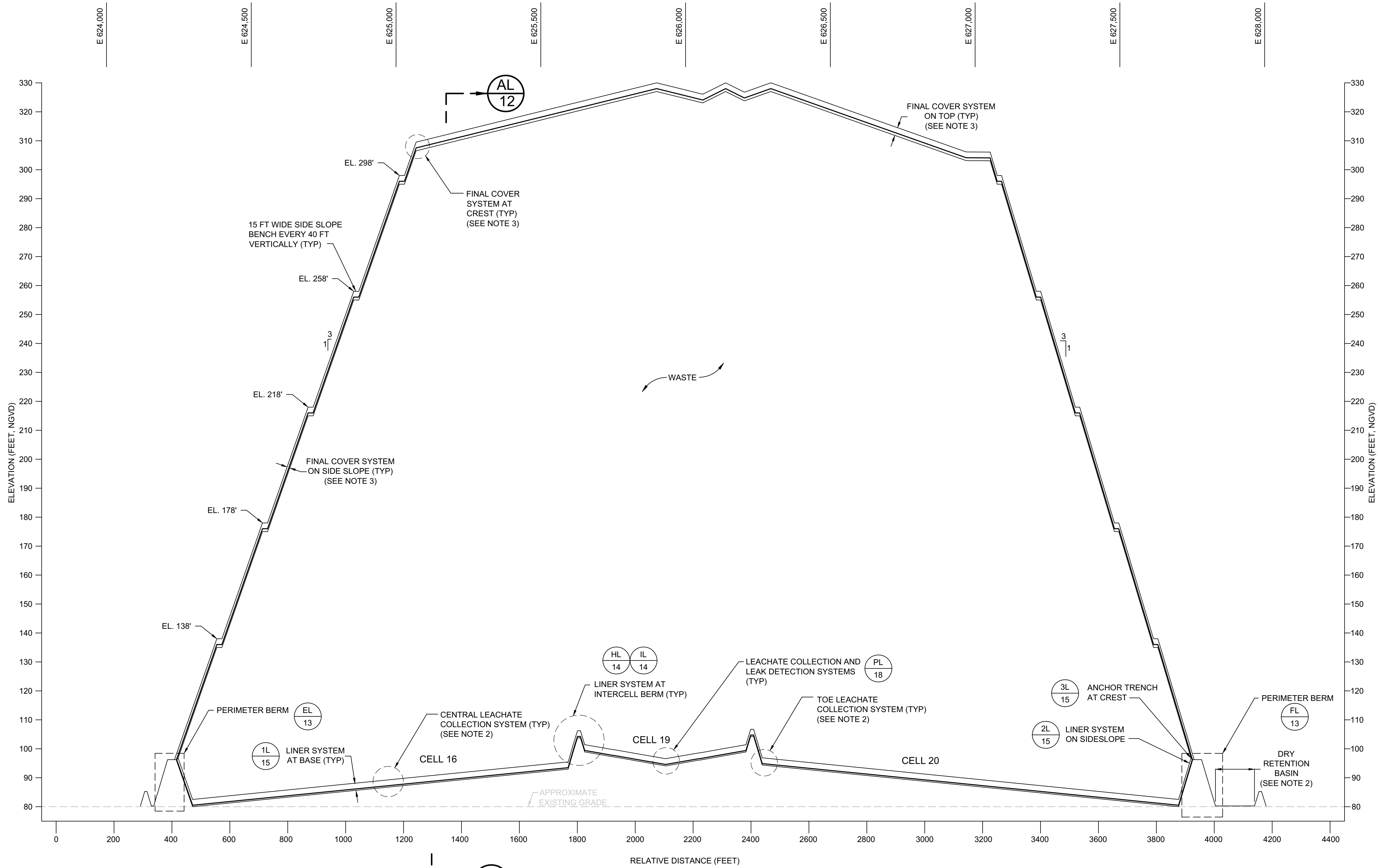
PROJECT: LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION

SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY

SIGNATURE
2/17/2011
DATE

CRAIG BROWNE - LICENSE NO. 68613

DESIGN BY:	CRB/JWO	DATE:	FEBRUARY 2011
DRAWN BY:	JWO	PROJECT NO.:	FL1868
CHECKED BY:	CRB	FILE:	FL1868.02P120
REVIEWED BY:	JAB	DRAWING NO.:	12A OF 40
APPROVED BY:	CRB		



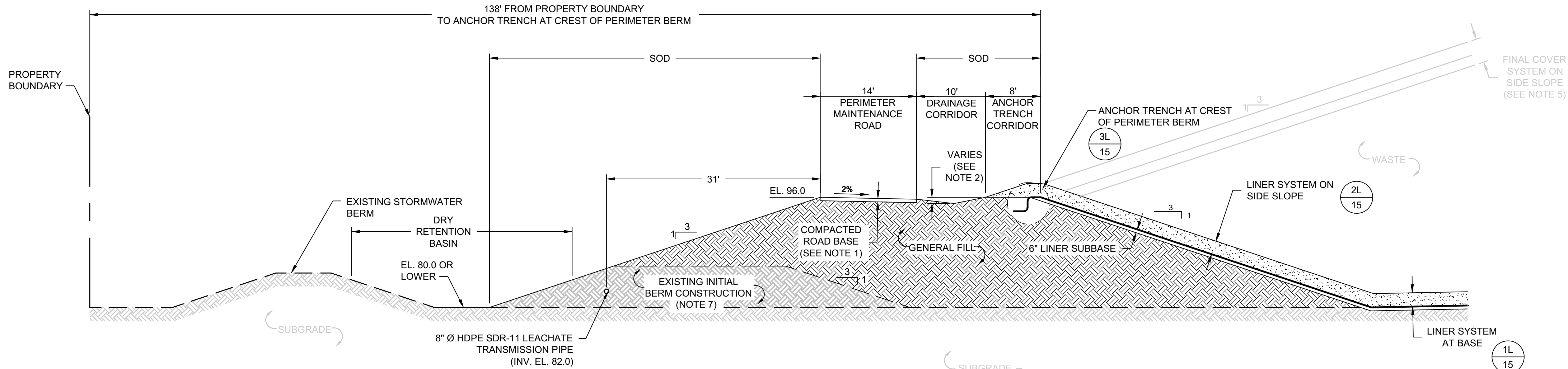
DL 9B SECTION
LANDFILL CROSS SECTION
SCALE: 1" = 200' (HOR) ; 1" = 20' (VERT)

GENERAL NOTES:

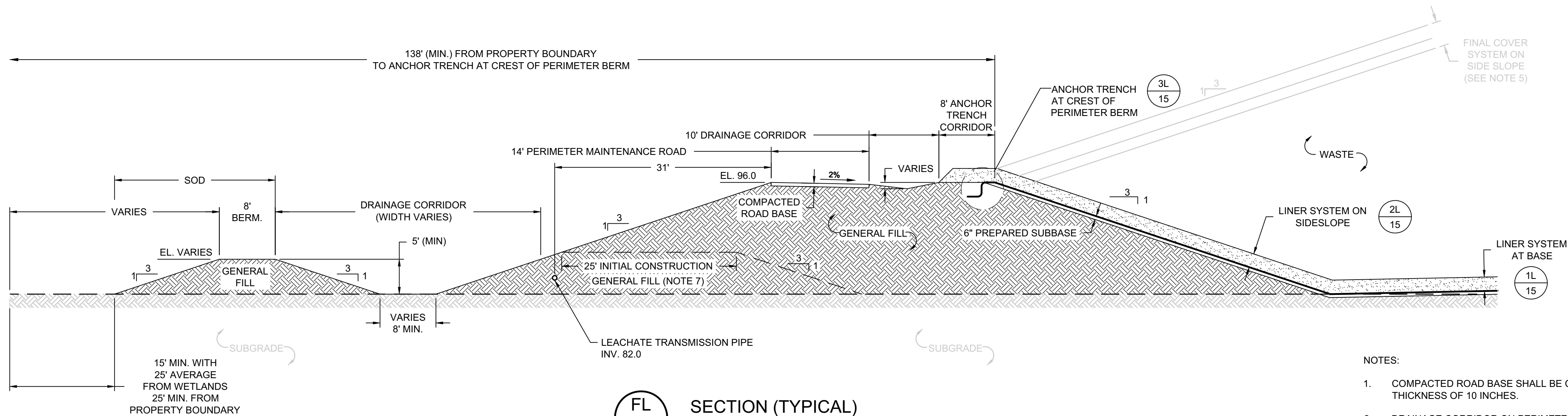
- THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) (FEET).
- THESE SECTIONS AND/OR DETAILS WERE INCLUDED IN THE RENEWAL PERMIT DRAWINGS DATED SEPTEMBER 2006. THERE ARE NO SUBSTANTIAL CHANGES TO THESE SECTIONS AND/OR DETAILS. THEREFORE, THESE SECTIONS AND/OR DETAILS ARE NOT INCLUDED IN THIS PERMIT DRAWING SET.
- THESE SECTIONS AND/OR DETAILS WERE INCLUDED IN THE VERTICAL EXPANSION PERMIT DRAWINGS DATED SEPTEMBER 2007. THERE ARE NO SUBSTANTIAL CHANGES TO THESE SECTIONS AND/OR DETAILS. THEREFORE, THESE SECTIONS AND/OR DETAILS ARE NOT INCLUDED IN THIS PERMIT DRAWING SET.

PERMIT DRAWING

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP
Geosyntec consultants 13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER: 4321				
WSI WASTE SERVICES, INC. 1501 OMNI WAY ST. CLOUD, FLORIDA 34773 TEL: 407-891-3720 FAX: 407-891-3730				
TITLE: LANDFILL CROSS SECTIONS III				
PROJECT: LATERAL EXPANSION MAJOR SOLID WASTE PERMIT MODIFICATION				
SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY				
SIGNATURE 2/17/2011 DATE		DESIGN BY: CRB/JWO DATE: FEBRUARY 2011 DRAWN BY: JWO PROJECT NO.: FL1868 CHECKED BY: CRB FILE: FL1868.02P120 REVIEWED BY: JAB DRAWING NO.: APPROVED BY: CRB 12B OF 40		
CRAIG BROWNE - LICENSE NO. 68813				



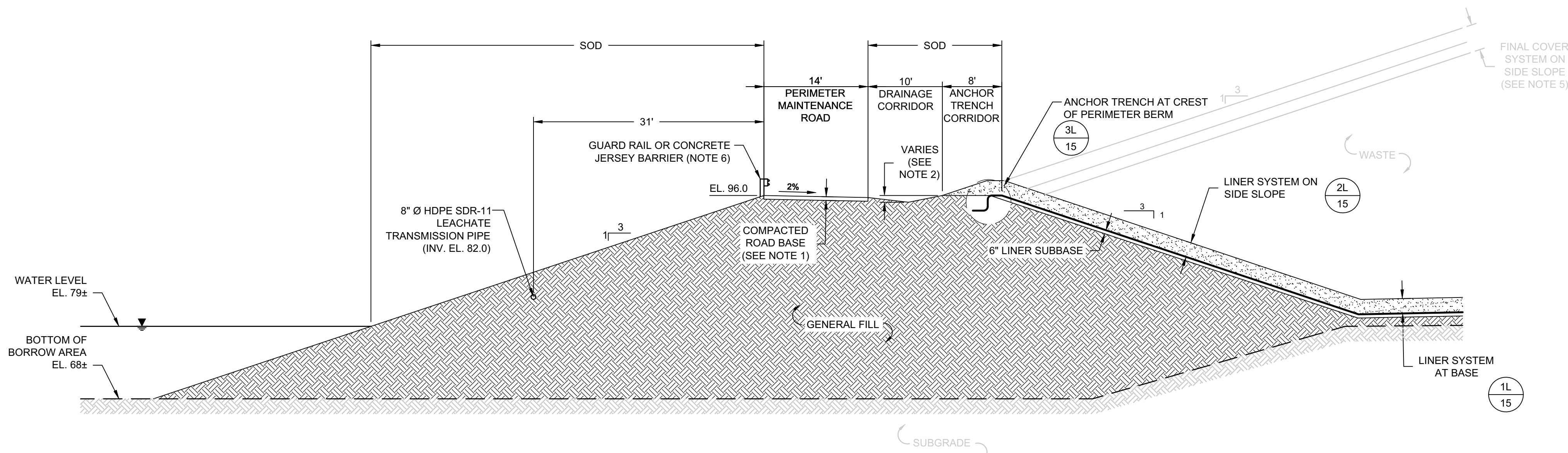
EL 10 SECTION (TYPICAL)
PERIMETER BERM ALONG WEST BOUNDARY
SCALE: 1" = 10'
XREF: FL1868.02X2021



FL 10 SECTION (TYPICAL)
PERIMETER BERM ALONG EAST AND SOUTH BOUNDARY
SCALE: 1" = 10'
XREF: FL1868.02X2027

NOTES:

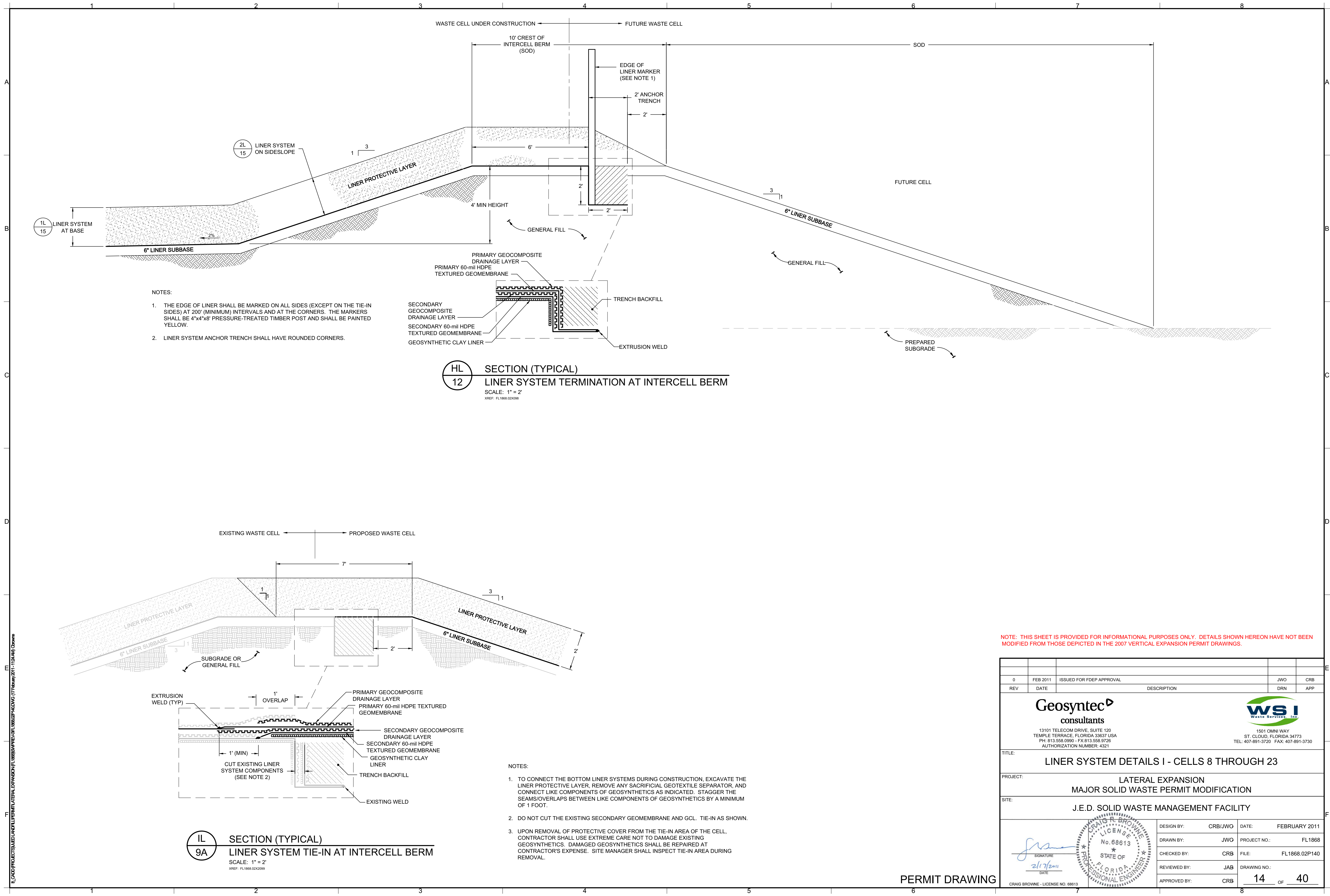
1. COMPACTED ROAD BASE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS TO A TOTAL THICKNESS OF 10 INCHES.
2. DRAINAGE CORRIDOR ON PERIMETER BERM SHALL BE GRADED TO UNIFORMLY DRAIN FROM THE CELL SUMP (HIGH POINT AT EL.95') TO THE DRAINAGE STRUCTURES (LOW POINT AT EL.93'). SWALE SHALL HAVE MINIMUM DEPTH OF 12 INCHES.
3. PIPE BEDDING SHALL TYPICALLY CONSIST OF GRAVEL OR COMPACTED GENERAL FILL.
4. DETAILS ARE SHOWN TO SCALE AS NOTED EXCEPT FOR THE GEOSYNTHETICS WHICH ARE SHOWN AT AN EXAGGERATED SCALE FOR CLARITY.
5. THESE SECTIONS AND/OR DETAILS WERE INCLUDED IN THE VERTICAL EXPANSION PERMIT DRAWINGS DATED SEPTEMBER 2007. THERE ARE NO SUBSTANTIAL CHANGES TO THESE SECTIONS AND/OR DETAILS. THEREFORE, THESE SECTIONS AND/OR DETAILS ARE NOT INCLUDED IN THIS PERMIT DRAWING SET.
6. GUARD RAIL OR JERSEY BARRIER TO BE CONSTRUCTED IN AREAS ADJACENT TO WET RETENTION BASIN.
7. INITIAL BERM IS INTENDED TO ALLOW CONSTRUCTION OF THE LEACHATE TRANSMISSION PIPE WHEN LEACHATE STORAGE AREA IS RELOCATED.

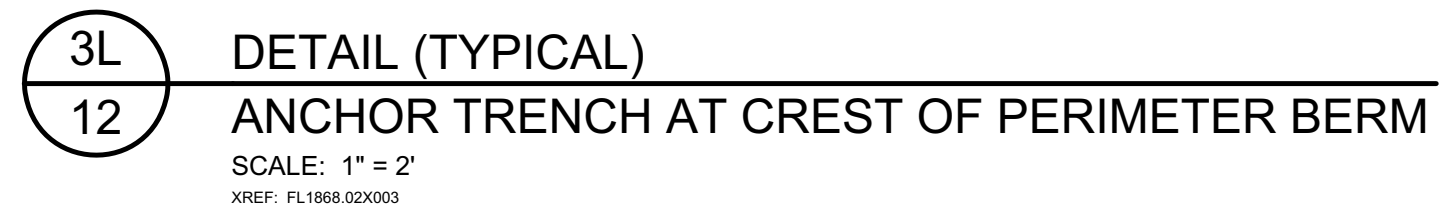
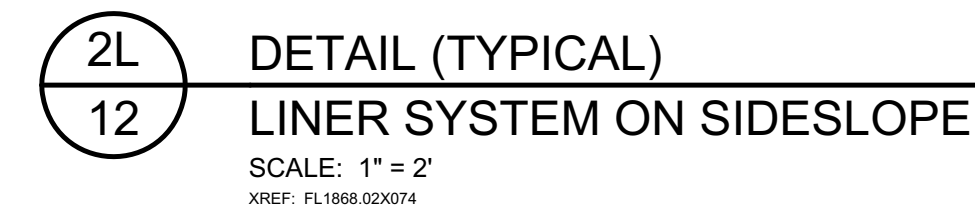
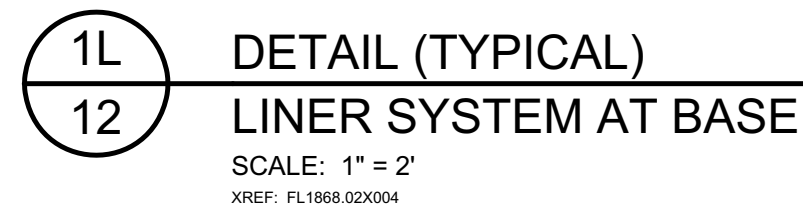


GL 11 SECTION (TYPICAL)
PERIMETER BERM AT WET RETENTION BASIN
SCALE: 1" = 10'
XREF: FL1868.02X2035

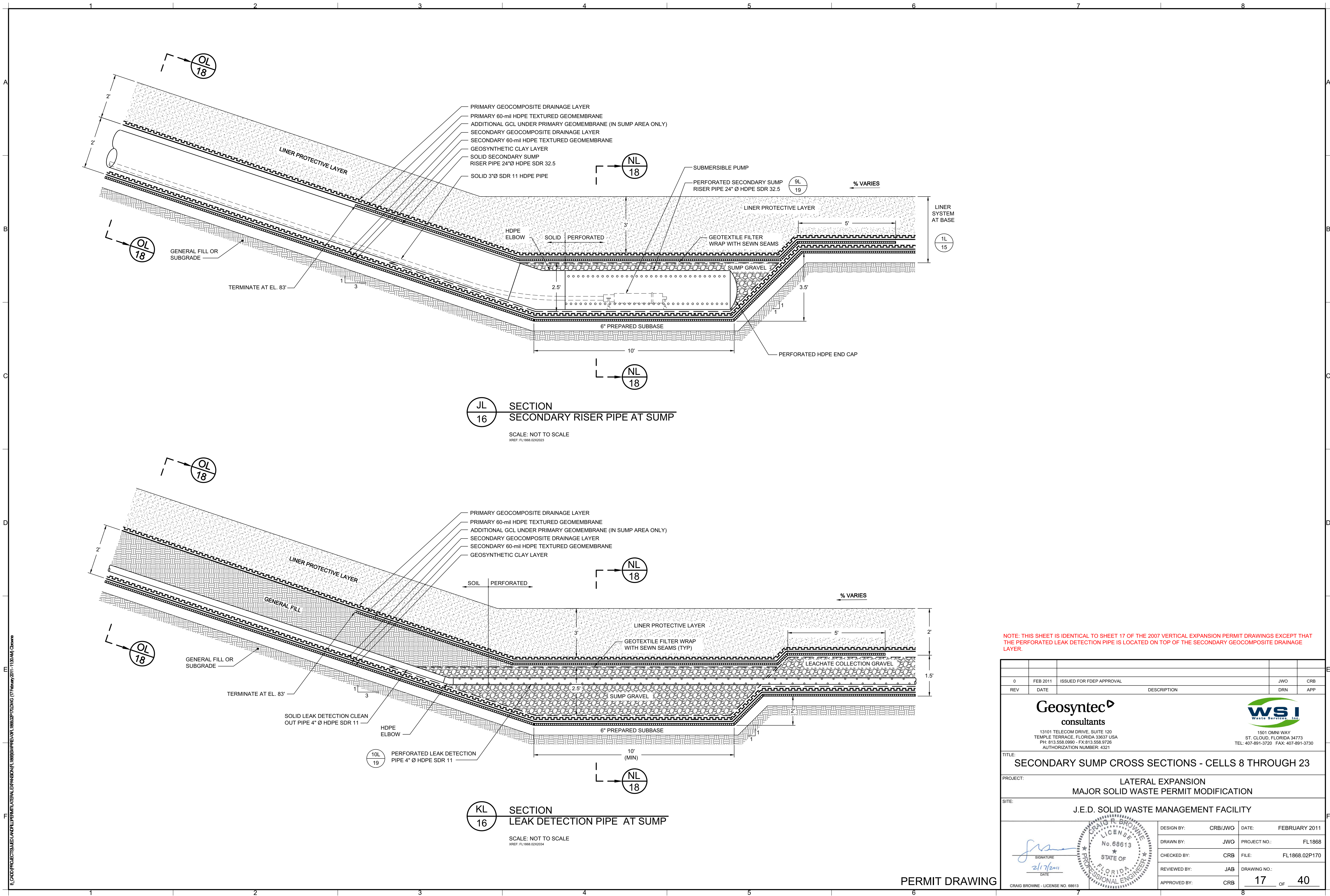
PERMIT DRAWING

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP
Geosyntec consultants 13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER: 4321				
WSI WASTE SERVICES, INC. 1501 OMNI WAY ST. CLOUD, FLORIDA 34773 TEL: 407-891-3720 FAX: 407-891-3730				
TITLE: PERIMETER BERM TYPICAL SECTIONS				
PROJECT: LATERAL EXPANSION MAJOR SOLID WASTE PERMIT MODIFICATION				
SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY				
DESIGN BY: CRB/JWO		DATE: FEBRUARY 2011		
DRAWN BY: JWO		PROJECT NO.: FL1868		
CHECKED BY: CRB		FILE: FL1868.02P130		
REVIEWED BY: JAB		DRAWING NO.: 13 OF 40		
APPROVED BY: CRB				





- PERMIT DRAWING



NOTE: THIS SHEET IS IDENTICAL TO SHEET 17 OF THE 2007 VERTICAL EXPANSION PERMIT DRAWINGS EXCEPT THAT THE PERFORATED LEAK DETECTION PIPE IS LOCATED ON TOP OF THE SECONDARY GEOCOMPOSITE DRAINAGE LAYER.

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP

Geosyntec
consultants
13101 TELECOM DRIVE, SUITE 120
TEMPLE TERRACE, FLORIDA 33637 USA
PH: 813.558.0990 - FX: 813.558.9726
AUTHORIZATION NUMBER: 4321

WSI
WASTE SERVICES, INC.
1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

TITLE: **SECONDARY SUMP CROSS SECTIONS - CELLS 8 THROUGH 23**

PROJECT: **LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION**

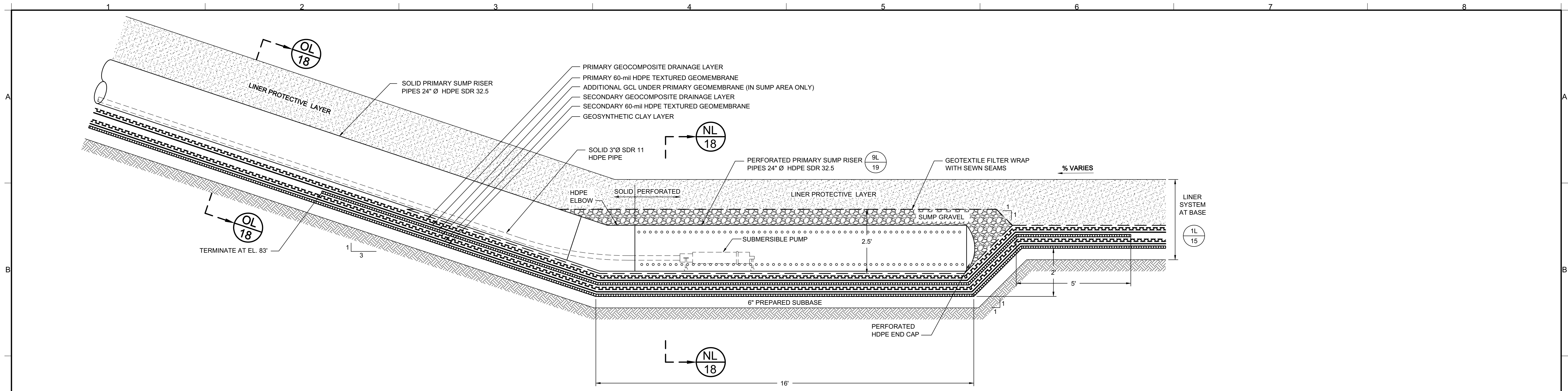
SITE: **J.E.D. SOLID WASTE MANAGEMENT FACILITY**

SIGNATURE
2/17/2011
DATE

CRAIG BROWNE - LICENSE NO. 68613

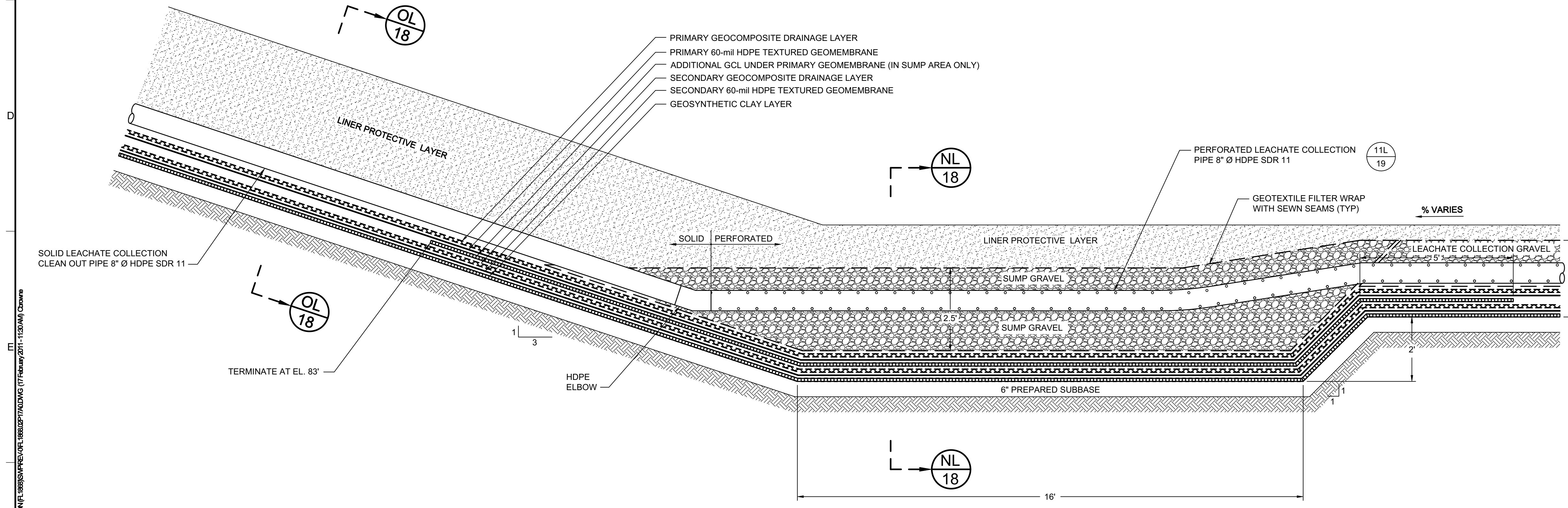
DESIGN BY:	CRB/JWO	DATE:	FEBRUARY 2011
DRAWN BY:	JWO	PROJECT NO.:	FL1868
CHECKED BY:	CRB	FILE:	FL1868.02P170
REVIEWED BY:	JAB	DRAWING NO.:	
APPROVED BY:	CRB		17 OF 40

PERMIT DRAWING



LL 16 SECTION
PRIMARY SUMP RISER

SCALE: NOT TO SCALE
XREF: FL1868.02X017



ML 16 SECTION
LEACHATE COLLECTION PIPE AT SUMP

SCALE: NOT TO SCALE
XREF: FL1868.02X036

NOTE: THIS SHEET IS IDENTICAL TO SHEET 17A OF THE 2007 VERTICAL EXPANSION PERMIT DRAWINGS EXCEPT THAT THE LEACHATE COLLECTION PIPE IS 8" DIAMETER HDPE SDR 11.

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
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Geosyntec
consultants
13101 TELECOM DRIVE, SUITE 120
TEMPLE TERRACE, FLORIDA 33637 USA
PH: 813.558.0990 - FX: 813.558.9726
AUTHORIZATION NUMBER: 4321

WSI
WASTE SERVICES, LLC
1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

TITLE: PRIMARY SUMP CROSS SECTIONS - CELLS 8 THROUGH 23

PROJECT: LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION

SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY

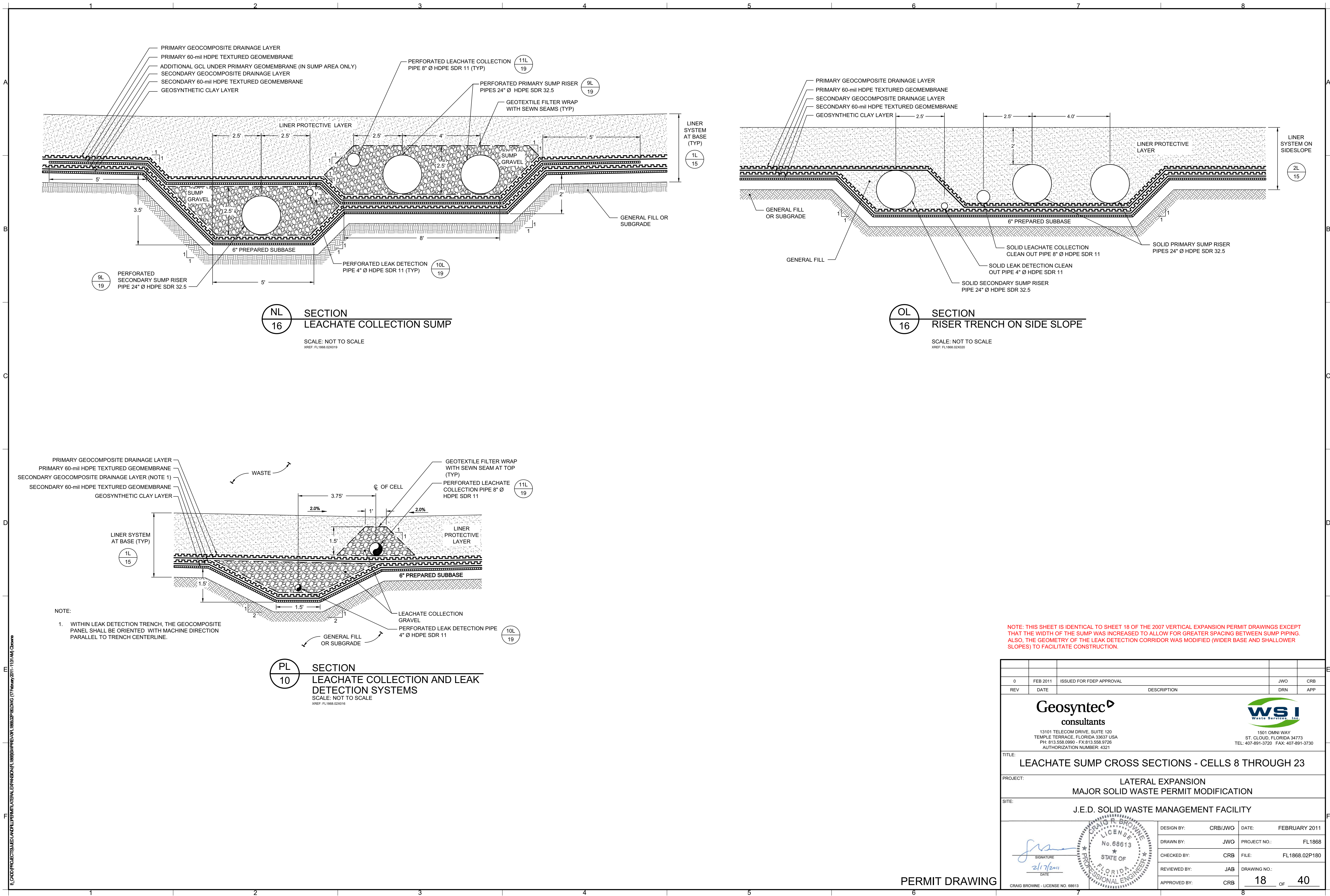
SIGNATURE
2/17/2011
DATE

CRAIG R. BROWNE
No. 68613
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DESIGN BY:	CRB/JWO	DATE:	FEBRUARY 2011
DRAWN BY:	JWO	PROJECT NO.:	FL1868
CHECKED BY:	CRB	FILE:	FL1868.02P17A0
REVIEWED BY:	JAB	DRAWING NO.:	
APPROVED BY:	CRB		17A OF 40

CRAIG BROWNE - LICENSE NO. 68613

PERMIT DRAWING



NOTE: THIS SHEET IS IDENTICAL TO SHEET 18 OF THE 2007 VERTICAL EXPANSION PERMIT DRAWINGS EXCEPT THAT THE WIDTH OF THE SUMP WAS INCREASED TO ALLOW FOR GREATER SPACING BETWEEN SUMP PIPING. ALSO, THE GEOMETRY OF THE LEAK DETECTION CORRIDOR WAS MODIFIED (WIDER BASE AND SHALLOWER SLOPES) TO FACILITATE CONSTRUCTION.

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
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WSI
WASTE SERVICES, INC.
1501 OMNI WAY
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TEL: 407-891-3720 FAX: 407-891-3730

TITLE: **LEACHATE SUMP CROSS SECTIONS - CELLS 8 THROUGH 23**

PROJECT: **LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION**

SITE: **J.E.D. SOLID WASTE MANAGEMENT FACILITY**

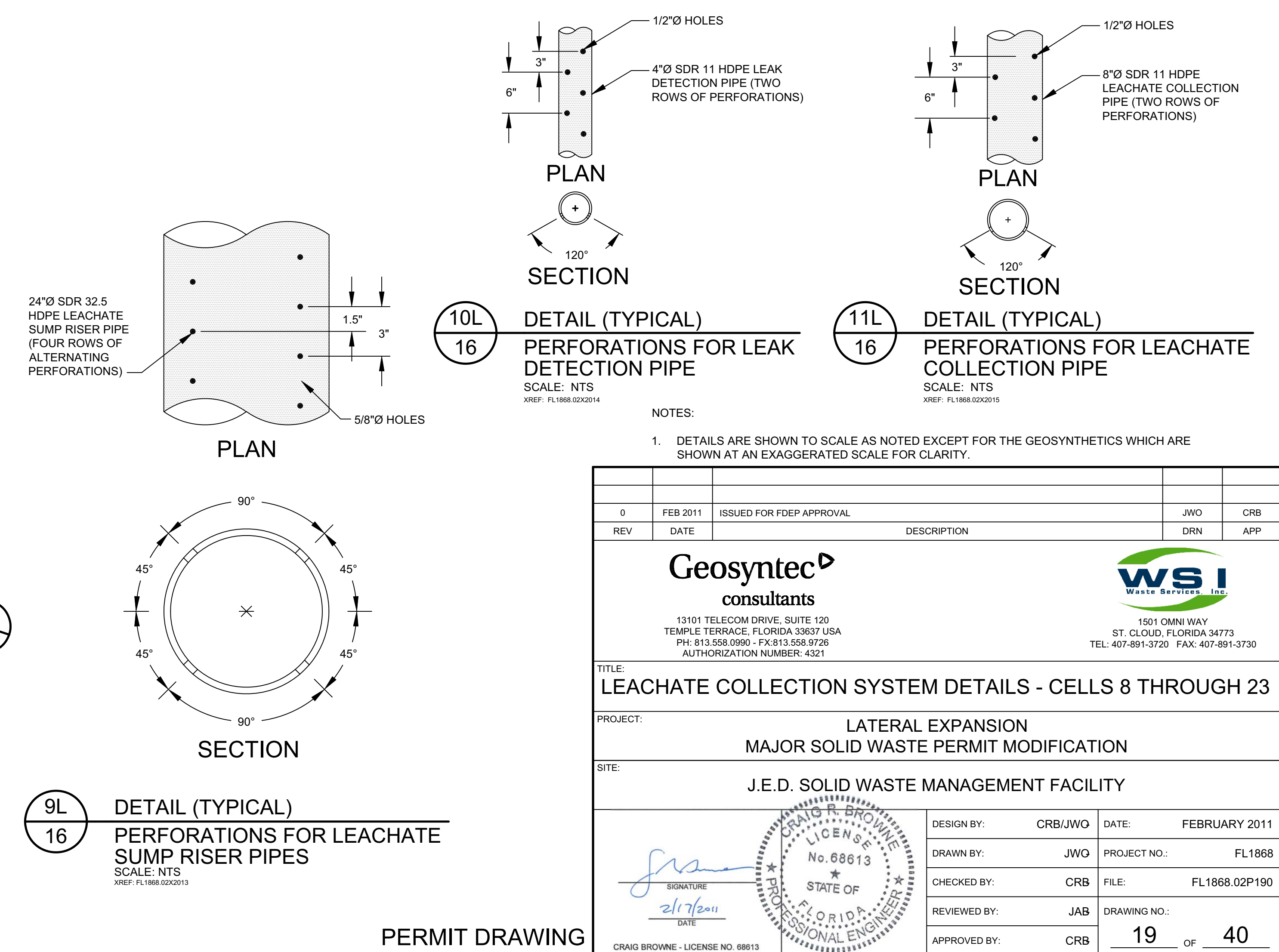
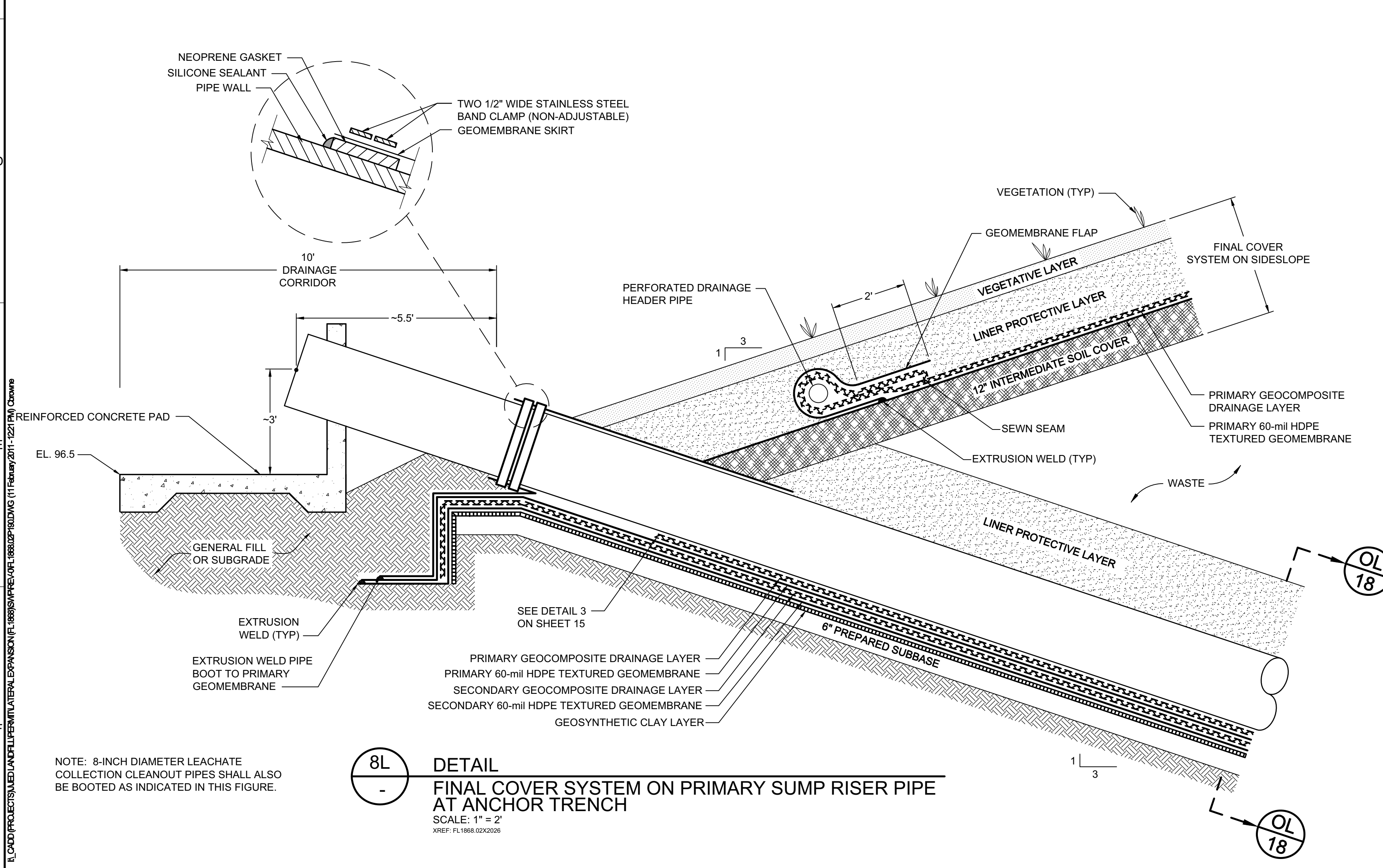
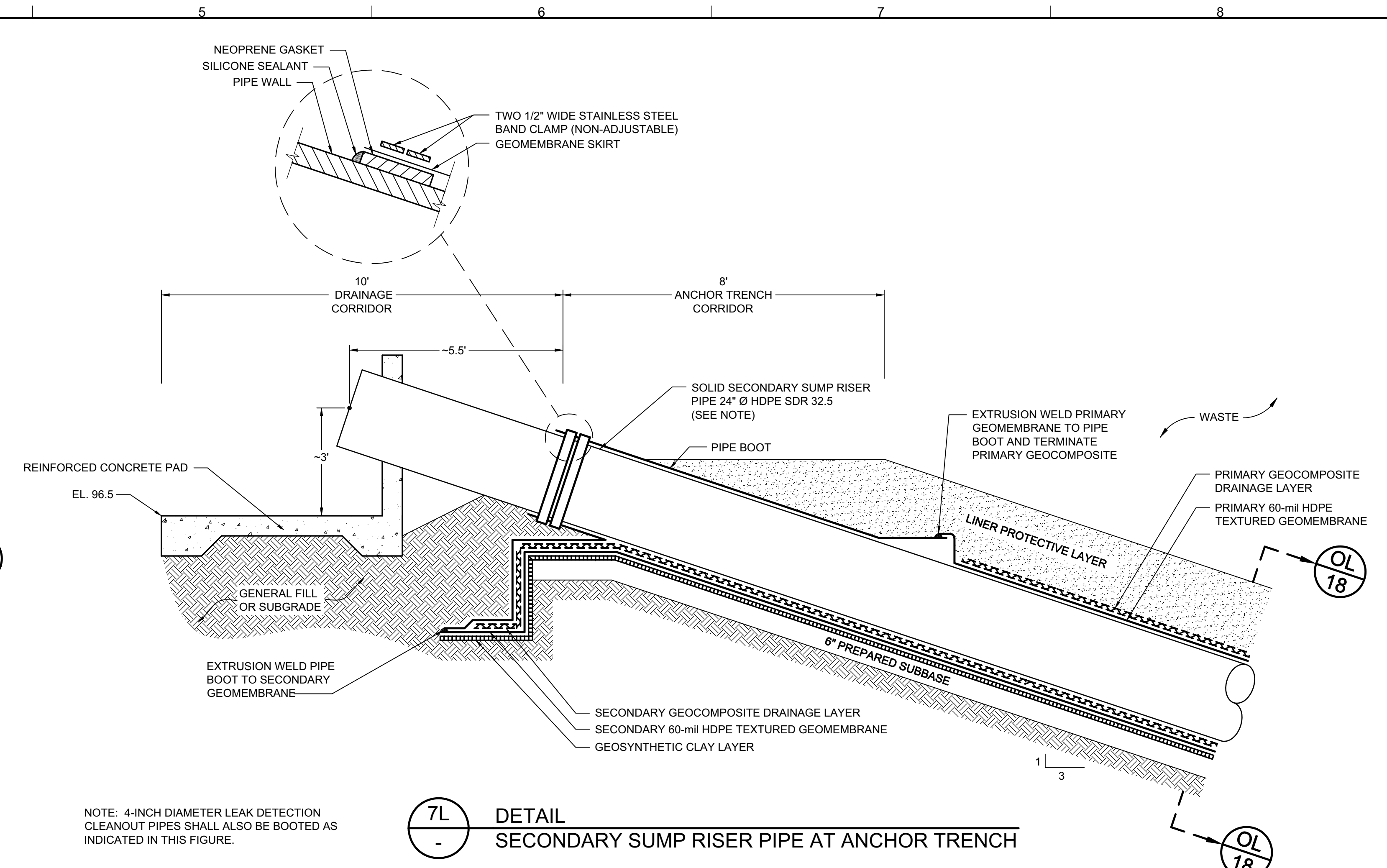
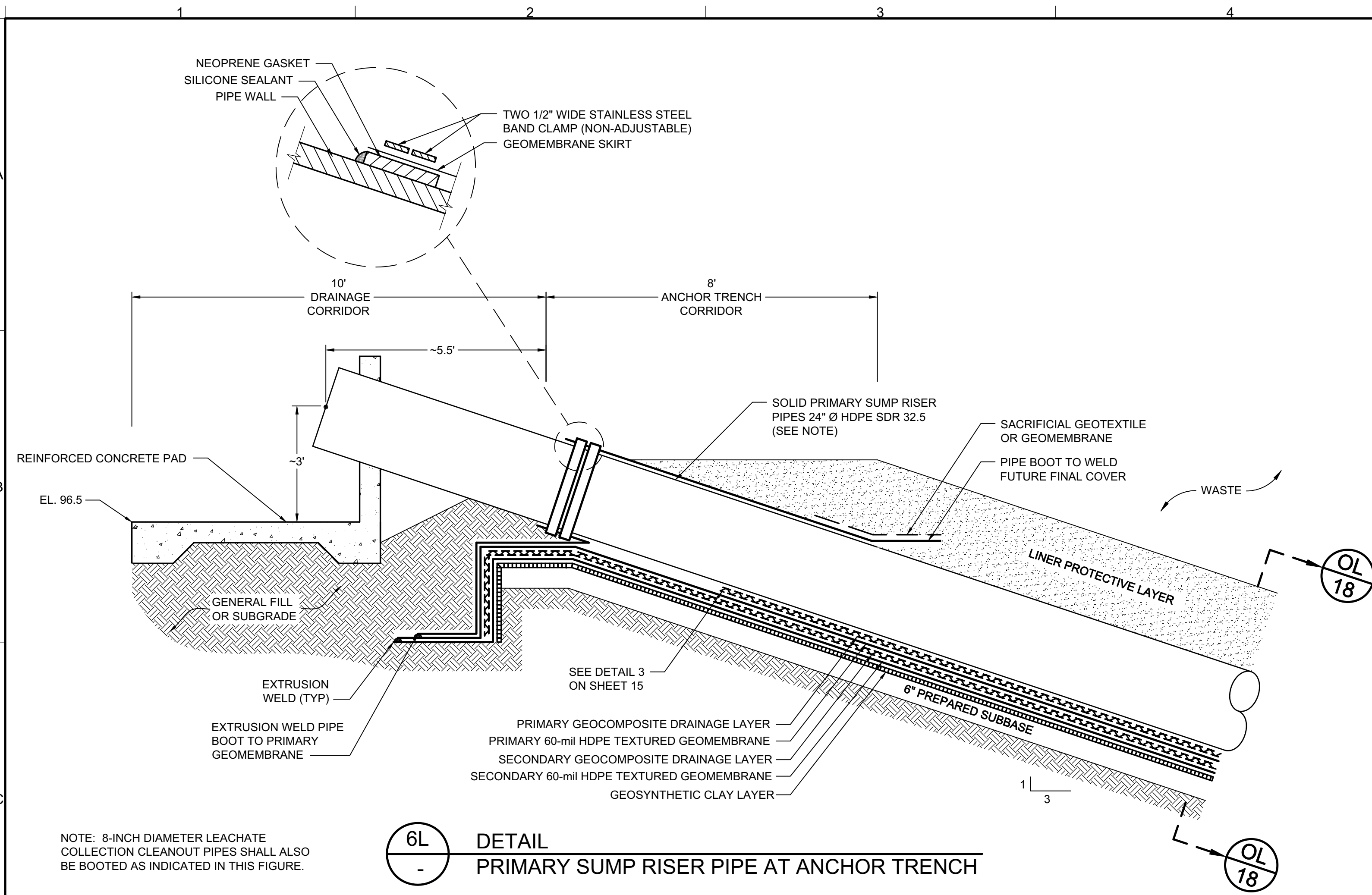
SIGNATURE
2/17/2011
DATE

CRAIG R. BROWNE
LICENSE
No. 68613
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DESIGN BY:	CRB/JWO	DATE:	FEBRUARY 2011
DRAWN BY:	JWO	PROJECT NO.:	FL1868
CHECKED BY:	CRB	FILE:	FL1868.02P180
REVIEWED BY:	JAB	DRAWING NO.:	
APPROVED BY:	CRB		18 OF 40

CRAIG BROWNE - LICENSE NO. 68613

PERMIT DRAWING



0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP

Geosyntec
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13101 TELECOM DRIVE, SUITE 120
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AUTHORIZATION NUMBER: 4321

WSI
WASTE SERVICES, INC.
1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

TITLE:
LEACHATE COLLECTION SYSTEM DETAILS - CELLS 8 THROUGH 23

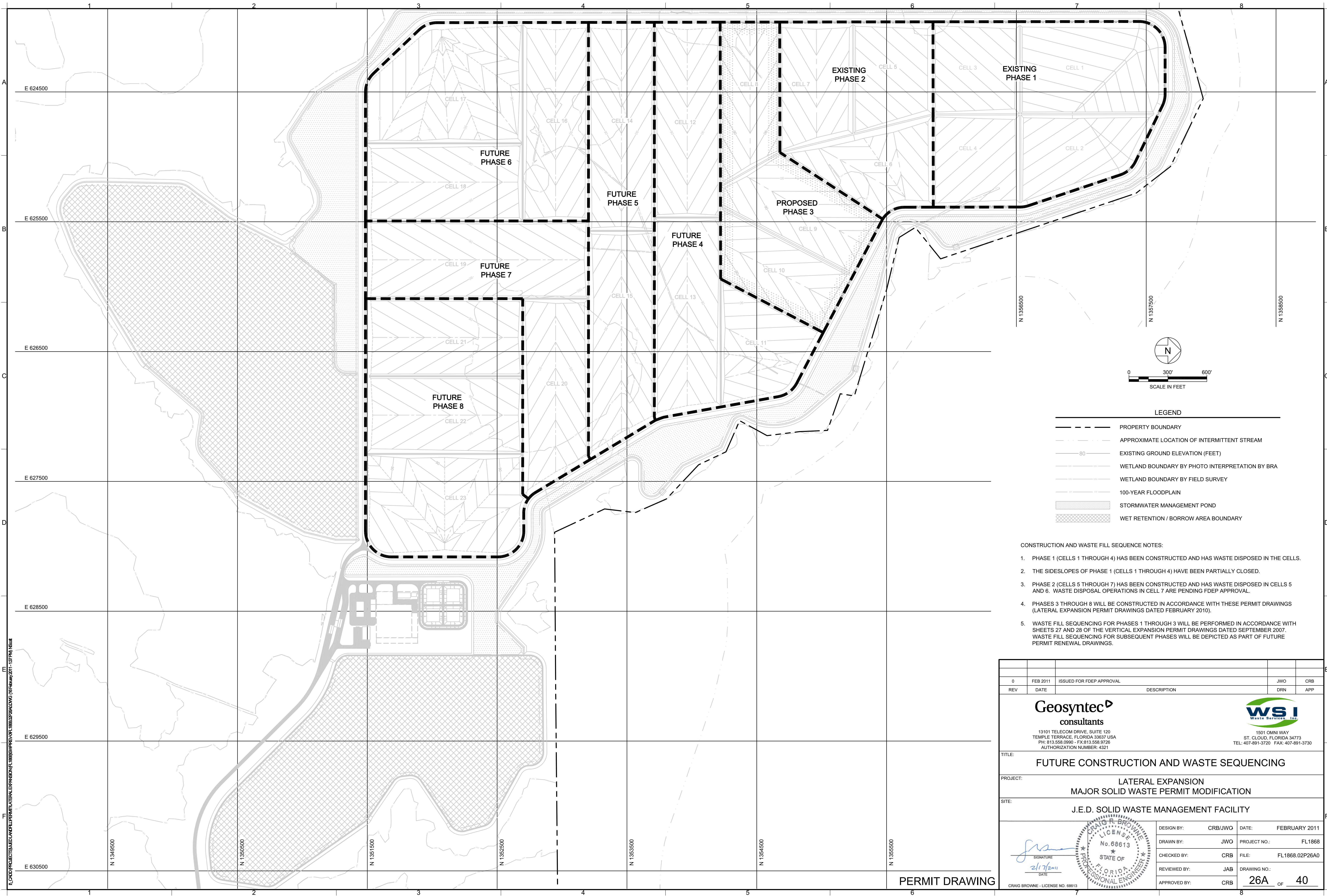
PROJECT:
LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION

SITE:
J.E.D. SOLID WASTE MANAGEMENT FACILITY

DESIGN BY:	CRB/JWO	DATE:	FEBRUARY 2011
DRAWN BY:	JWO	PROJECT NO.:	FL1868
CHECKED BY:	CRB	FILE:	FL1868.02P190
REVIEWED BY:	JAB	DRAWING NO.:	19 OF 40
APPROVED BY:	CRB		

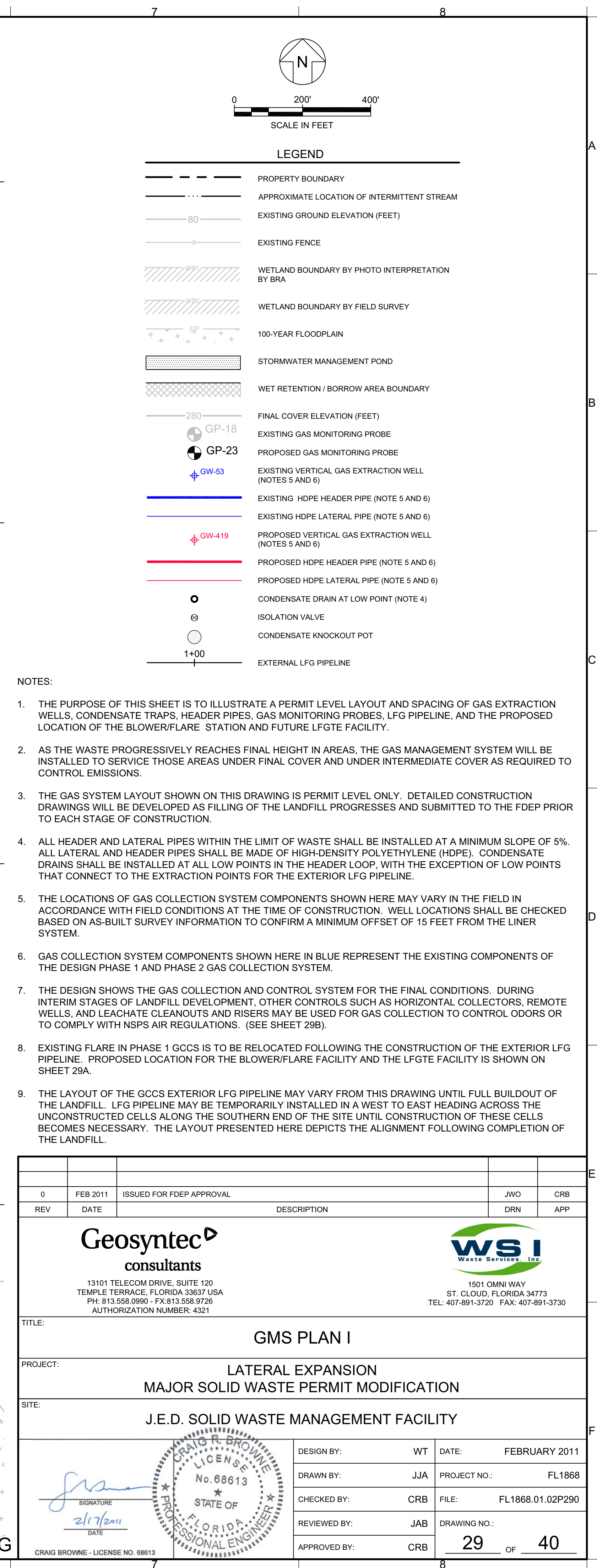
CRAIG BROWNE - LICENSE NO. 68813

PERMIT DRAWING

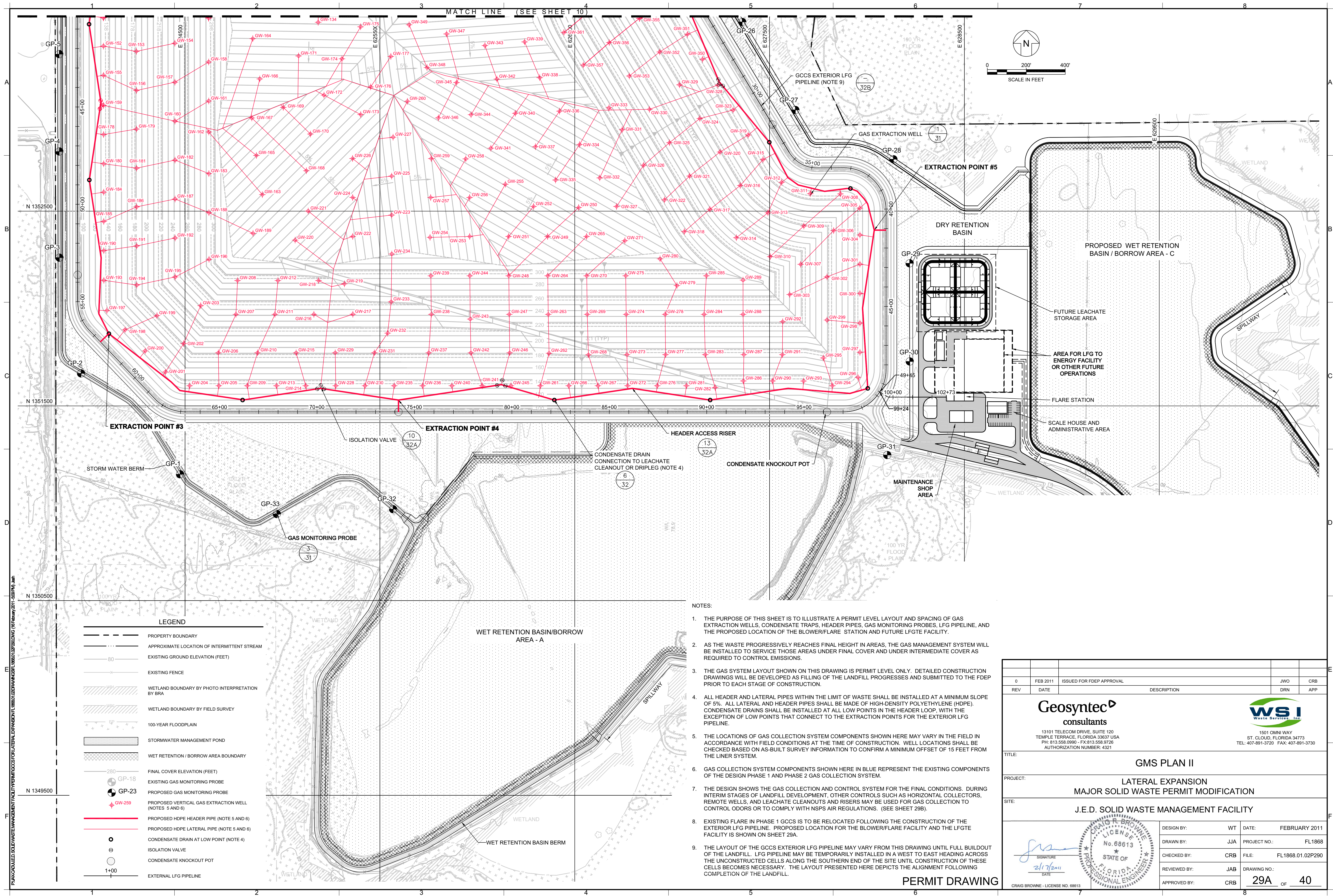


- CONSTRUCTION AND WASTE FILL SEQUENCE NOTES:
1. PHASE 1 (CELLS 1 THROUGH 4) HAS BEEN CONSTRUCTED AND HAS WASTE DISPOSED IN THE CELLS.
 2. THE SIDESLOPES OF PHASE 1 (CELLS 1 THROUGH 4) HAVE BEEN PARTIALLY CLOSED.
 3. PHASE 2 (CELLS 5 THROUGH 7) HAS BEEN CONSTRUCTED AND HAS WASTE DISPOSED IN CELLS 5 AND 6. WASTE DISPOSAL OPERATIONS IN CELL 7 ARE PENDING FDEP APPROVAL.
 4. PHASES 3 THROUGH 8 WILL BE CONSTRUCTED IN ACCORDANCE WITH THESE PERMIT DRAWINGS (LATERAL EXPANSION PERMIT DRAWINGS DATED FEBRUARY 2010).
 5. WASTE FILL SEQUENCING FOR PHASES 1 THROUGH 3 WILL BE PERFORMED IN ACCORDANCE WITH SHEETS 27 AND 28 OF THE VERTICAL EXPANSION PERMIT DRAWINGS DATED SEPTEMBER 2007. WASTE FILL SEQUENCING FOR SUBSEQUENT PHASES WILL BE DEPICTED AS PART OF FUTURE PERMIT RENEWAL DRAWINGS.

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB																					
REV	DATE	DESCRIPTION	DRN	APP																					
<div><div>Geosyntec consultants 13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER: 4321</div><div> 1501 OMNI WAY ST. CLOUD, FLORIDA 34773 TEL: 407-891-3720 FAX: 407-891-3730</div></div> <div>FUTURE CONSTRUCTION AND WASTE SEQUENCING</div> <div>LATERAL EXPANSION MAJOR SOLID WASTE PERMIT MODIFICATION</div> <div>J.E.D. SOLID WASTE MANAGEMENT FACILITY</div> <div><div> SIGNATURE 2/17/2011 DATE</div><div> CRAIG BROWNE - LICENSE NO. 68613</div></div> <table><tr><td>DESIGN BY:</td><td>CRB/JWO</td><td>DATE:</td><td>FEBRUARY 2011</td></tr><tr><td>DRAWN BY:</td><td>JWO</td><td>PROJECT NO.:</td><td>FL1868</td></tr><tr><td>CHECKED BY:</td><td>CRB</td><td>FILE:</td><td>FL1868.02P26A0</td></tr><tr><td>REVIEWED BY:</td><td>JAB</td><td>DRAWING NO.:</td><td>26A OF 40</td></tr><tr><td>APPROVED BY:</td><td>CRB</td><td> </td><td> </td></tr></table>						DESIGN BY:	CRB/JWO	DATE:	FEBRUARY 2011	DRAWN BY:	JWO	PROJECT NO.:	FL1868	CHECKED BY:	CRB	FILE:	FL1868.02P26A0	REVIEWED BY:	JAB	DRAWING NO.:	26A OF 40	APPROVED BY:	CRB		
DESIGN BY:	CRB/JWO	DATE:	FEBRUARY 2011																						
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CHECKED BY:	CRB	FILE:	FL1868.02P26A0																						
REVIEWED BY:	JAB	DRAWING NO.:	26A OF 40																						
APPROVED BY:	CRB																								



PERMIT DRAWING



LEGEND	
	PROPERTY BOUNDARY
	APPROXIMATE LOCATION OF INTERMITTENT STREAM
	EXISTING GROUND ELEVATION (FEET)
	EXISTING FENCE
	WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA
	WETLAND BOUNDARY BY FIELD SURVEY
	100-YEAR FLOODPLAIN
	STORMWATER MANAGEMENT POND
	WET RETENTION / BORROW AREA BOUNDARY
	FINAL COVER ELEVATION (FEET)
	EXISTING GAS MONITORING PROBE
	PROPOSED GAS MONITORING PROBE
	PROPOSED VERTICAL GAS EXTRACTION WELL (NOTES 5 AND 6)
	PROPOSED HDPE HEADER PIPE (NOTE 5 AND 6)
	PROPOSED HDPE LATERAL PIPE (NOTE 5 AND 6)
	CONDENSATE DRAIN AT LOW POINT (NOTE 4)
	ISOLATION VALVE
	CONDENSATE KNOCKOUT POT
	EXTERNAL LFG PIPELINE

- NOTES:
- THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE A PERMIT LEVEL LAYOUT AND SPACING OF GAS EXTRACTION WELLS, CONDENSATE TRAPS, HEADER PIPES, GAS MONITORING PROBES, LFG PIPELINE, AND THE PROPOSED LOCATION OF THE BLOWER/FLARE STATION AND FUTURE LFGTE FACILITY.
 - 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.
 - THE GAS SYSTEM LAYOUT SHOWN ON THIS DRAWING IS PERMIT LEVEL ONLY. DETAILED CONSTRUCTION DRAWINGS WILL BE DEVELOPED AS FILLING OF THE LANDFILL PROGRESSES AND SUBMITTED TO THE FDEP PRIOR TO EACH STAGE OF CONSTRUCTION.
 - ALL HEADER AND LATERAL PIPES WITHIN THE LIMIT OF WASTE SHALL BE INSTALLED AT A MINIMUM SLOPE OF 5%. ALL LATERAL AND HEADER PIPES SHALL BE MADE OF HIGH-DENSITY POLYETHYLENE (HDPE). CONDENSATE DRAINS SHALL BE INSTALLED AT ALL LOW POINTS IN THE HEADER LOOP, WITH THE EXCEPTION OF LOW POINTS THAT CONNECT TO THE EXTRACTION POINTS FOR THE EXTERIOR LFG PIPELINE.
 - THE LOCATIONS OF GAS COLLECTION SYSTEM COMPONENTS SHOWN HERE MAY VARY IN THE FIELD IN ACCORDANCE WITH FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. WELL LOCATIONS SHALL BE CHECKED BASED ON AS-BUILT SURVEY INFORMATION TO CONFIRM A MINIMUM OFFSET OF 15 FEET FROM THE LINER SYSTEM.
 - GAS COLLECTION SYSTEM COMPONENTS SHOWN HERE IN BLUE REPRESENT THE EXISTING COMPONENTS OF THE DESIGN PHASE 1 AND PHASE 2 GAS COLLECTION SYSTEM.
 - THE DESIGN SHOWS THE GAS COLLECTION AND CONTROL SYSTEM FOR THE FINAL CONDITIONS. DURING INTERIM STAGES OF LANDFILL DEVELOPMENT, OTHER CONTROLS SUCH AS HORIZONTAL COLLECTORS, REMOTE WELLS, AND LEACHATE CLEANOUTS AND RISERS MAY BE USED FOR GAS COLLECTION TO CONTROL ODORS OR TO COMPLY WITH NSPS AIR REGULATIONS. (SEE SHEET 29B).
 - EXISTING FLARE IN PHASE 1 GCCS IS TO BE RELOCATED FOLLOWING THE CONSTRUCTION OF THE EXTERIOR LFG PIPELINE. PROPOSED LOCATION FOR THE BLOWER/FLARE FACILITY AND THE LFGTE FACILITY IS SHOWN ON SHEET 29A.
 - THE LAYOUT OF THE GCCS EXTERIOR LFG PIPELINE MAY VARY FROM THIS DRAWING UNTIL FULL BUILDOUT OF THE LANDFILL. LFG PIPELINE MAY BE TEMPORARILY INSTALLED IN A WEST TO EAST HEADING ACROSS THE UNCONSTRUCTED CELLS ALONG THE SOUTHERN END OF THE SITE UNTIL CONSTRUCTION OF THESE CELLS BECOMES NECESSARY. THE LAYOUT PRESENTED HERE DEPICTS THE ALIGNMENT FOLLOWING COMPLETION OF THE LANDFILL.

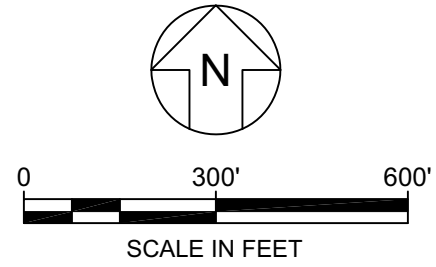
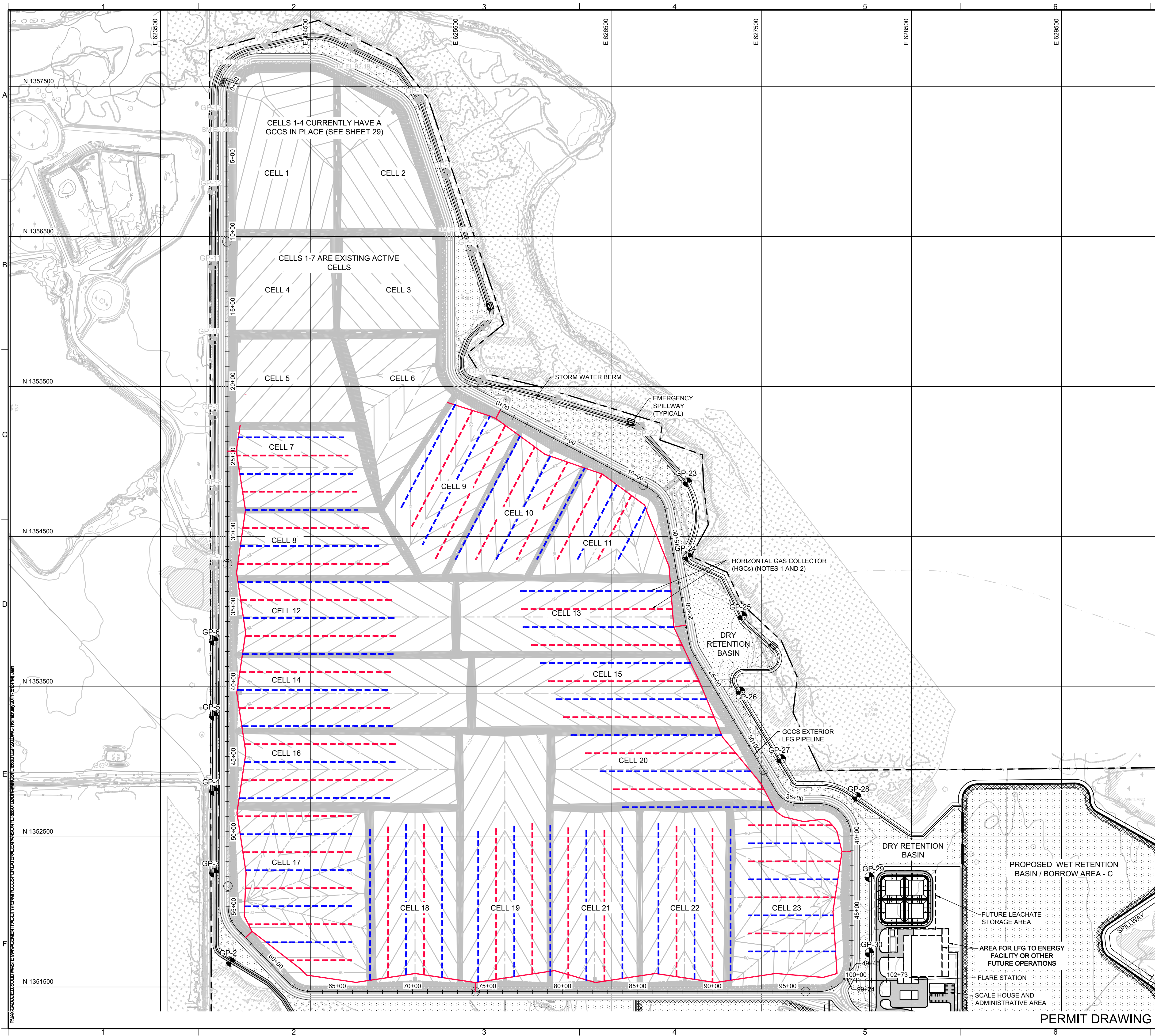
PERMIT DRAWING

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REV	DATE	DESCRIPTION		DRN	APP
<div><div><p>13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER: 4321</p></div><div><p>1501 OMNI WAY ST. CLOUD, FLORIDA 34773 TEL: 407-891-3720 FAX: 407-891-3730</p></div></div>					
TITLE: GMS PLAN II					
PROJECT: LATERAL EXPANSION MAJOR SOLID WASTE PERMIT MODIFICATION					
SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY					
DESIGN BY: WT		DATE: FEBRUARY 2011			
DRAWN BY: JJA		PROJECT NO.: FL1868			
CHECKED BY: CRB		FILE: FL1868.01.02P290			
REVIEWED BY: JAB		DRAWING NO.: 29A		OF 40	
APPROVED BY: CRB					

2/17/2011

CRAIG BROWNE - LICENSE NO. 68613

STATE OF FLORIDA PROFESSIONAL ENGINEER



- LEGEND**
- PROPERTY BOUNDARY
 - APPROXIMATE LOCATION OF INTERMITTENT STREAM
 - EXISTING GROUND ELEVATION (FEET)
 - EXISTING FENCE
 - WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA
 - WETLAND BOUNDARY BY FIELD SURVEY
 - 100-YEAR FLOODPLAIN
 - STORMWATER MANAGEMENT POND
 - WET RETENTION / BORROW AREA BOUNDARY
 - SUBGRADE ELEVATION (FEET)
 - EXISTING GAS MONITORING PROBE GP-18
 - PROPOSED GAS MONITORING PROBE GP-23
 - PROPOSED HDPE HEADER PIPE (NOTE 5 AND 6)
 - CONDENSATE KNOCKOUT POT
 - EXTERNAL HEADER ALIGNMENT - "LFG PIPELINE"
 - UPPER TIER HGC
 - LOWER TIER HGC

- NOTES:**
- HORIZONTAL GAS COLLECTORS (HGCs) MAY BE USED AS TEMPORARY INTERIM LFG CONTROL MEASURES DURING WASTE FILLING OPERATIONS. THE LAYOUTS OF THE VERTICAL EXTRACTION WELLS ON SHEETS 29 AND 29A ARE DESIGNED TO PROVIDE ADEQUATE COVERAGE FOR THE DESIGN CAPACITY OF THE LANDFILL, THEREFORE, OPERATION OF THE HGCs WILL NOT INCREASE THE MAXIMUM ANTICIPATED GAS FLOWS FOR THE GAS MANAGEMENT SYSTEM (GMS). AS THE LANDFILL REACHES FINAL GRADES AND VERTICAL LFG WELLS ARE INSTALLED WITHIN A GIVEN CELL, THE LANDFILL OPERATOR MAY OPT TO ABANDON THE HGCs WITHIN THAT CELL, OR OPERATE EACH HGC FOR AS LONG AS IT IS FUNCTIONAL.
 - THE HGC WELL LAYOUT PRESENTED ON THIS SHEET IS PERMIT LEVEL ONLY, AND IS BASED ON THE PERMITTED HGC DESIGN PREPARED BY GOLDER ASSOCIATES (PERMIT NO. S049-199726-015), SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, CENTRAL DISTRICT, ON 21 JULY 2010. THE HGC DESIGN FOR CELLS 7, 8 AND 9 IS ALREADY PERMITTED. FOR ALL DETAILS CONCERNING THE HGCs, INCLUDING CONNECTION DETAILS, SPACING, LENGTHS AND ELEVATIONS, REVIEWER SHALL REFER TO THE AFFOREMENTIONED PERMIT AND THE ENGINEERING REPORT PREPARED BY GOLDER ASSOCIATES.

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AUTHORIZATION NUMBER: 4321

1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

TITLE: **CONCEPTUAL LAYOUT OF HORIZONTAL GAS COLLECTORS**

PROJECT: **LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION**

SITE: **J.E.D. SOLID WASTE MANAGEMENT FACILITY**

DESIGN BY: WT DATE: FEBRUARY 2011

DRAWN BY: JJA PROJECT NO.: FL1868

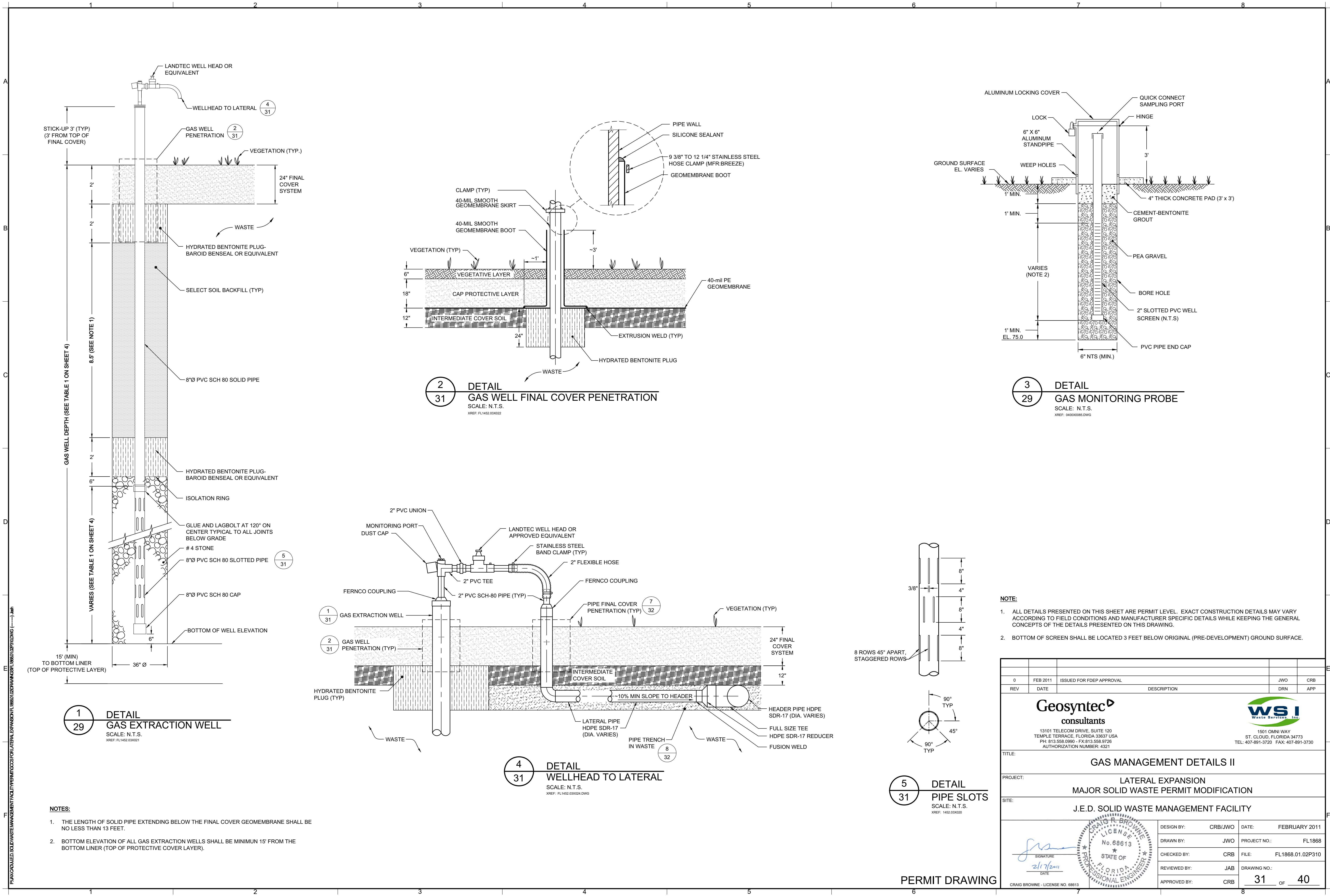
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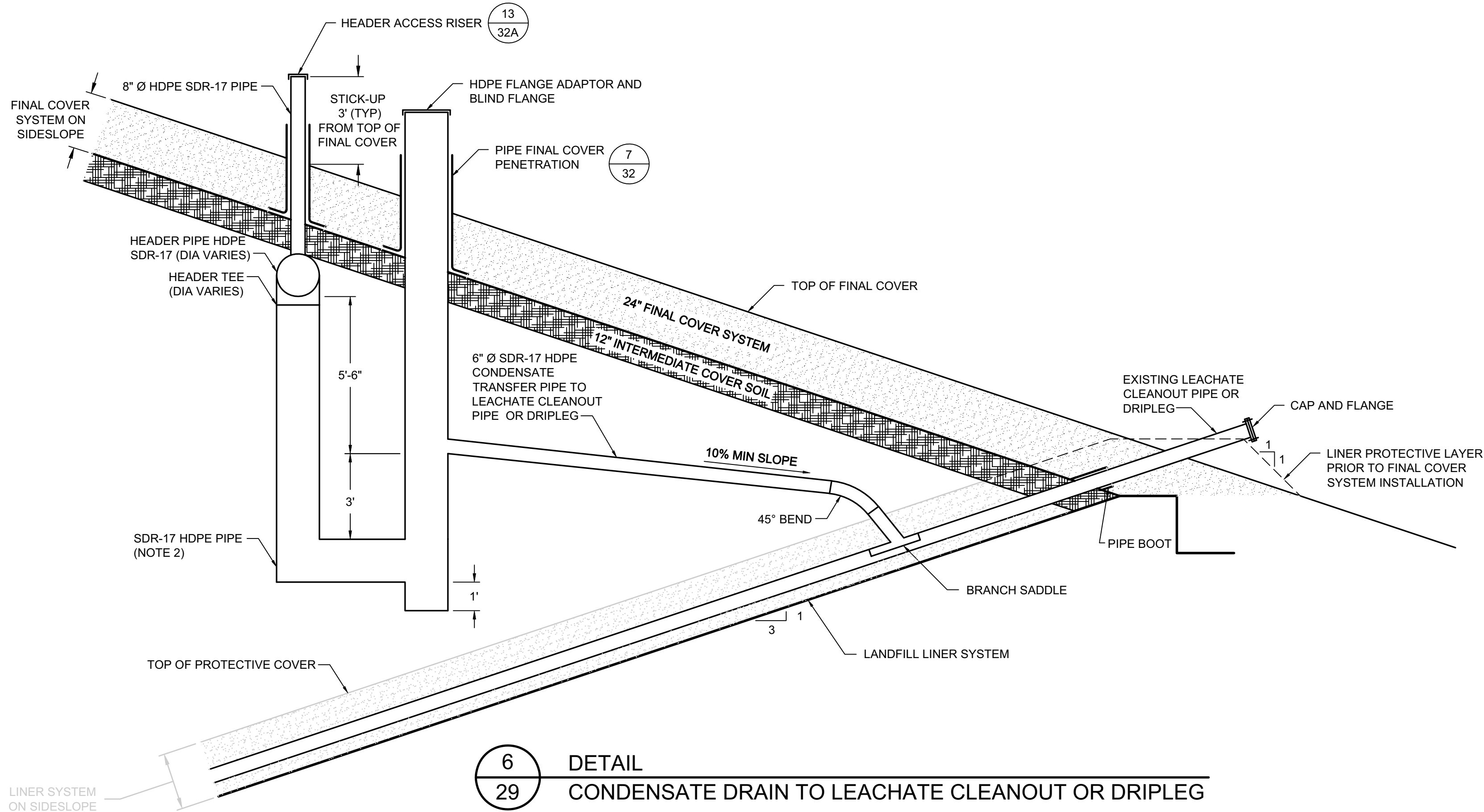
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APPROVED BY: CRB

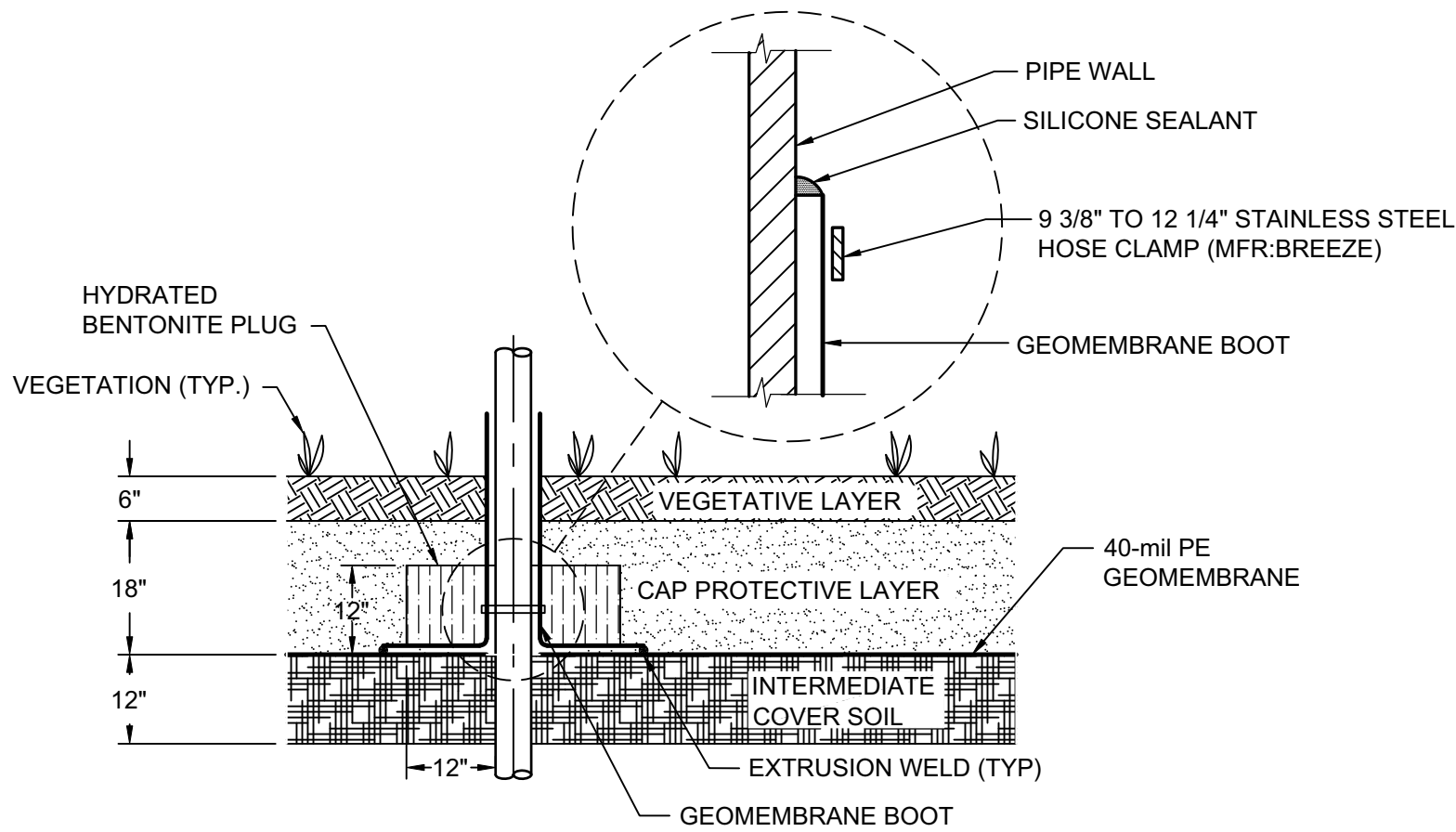
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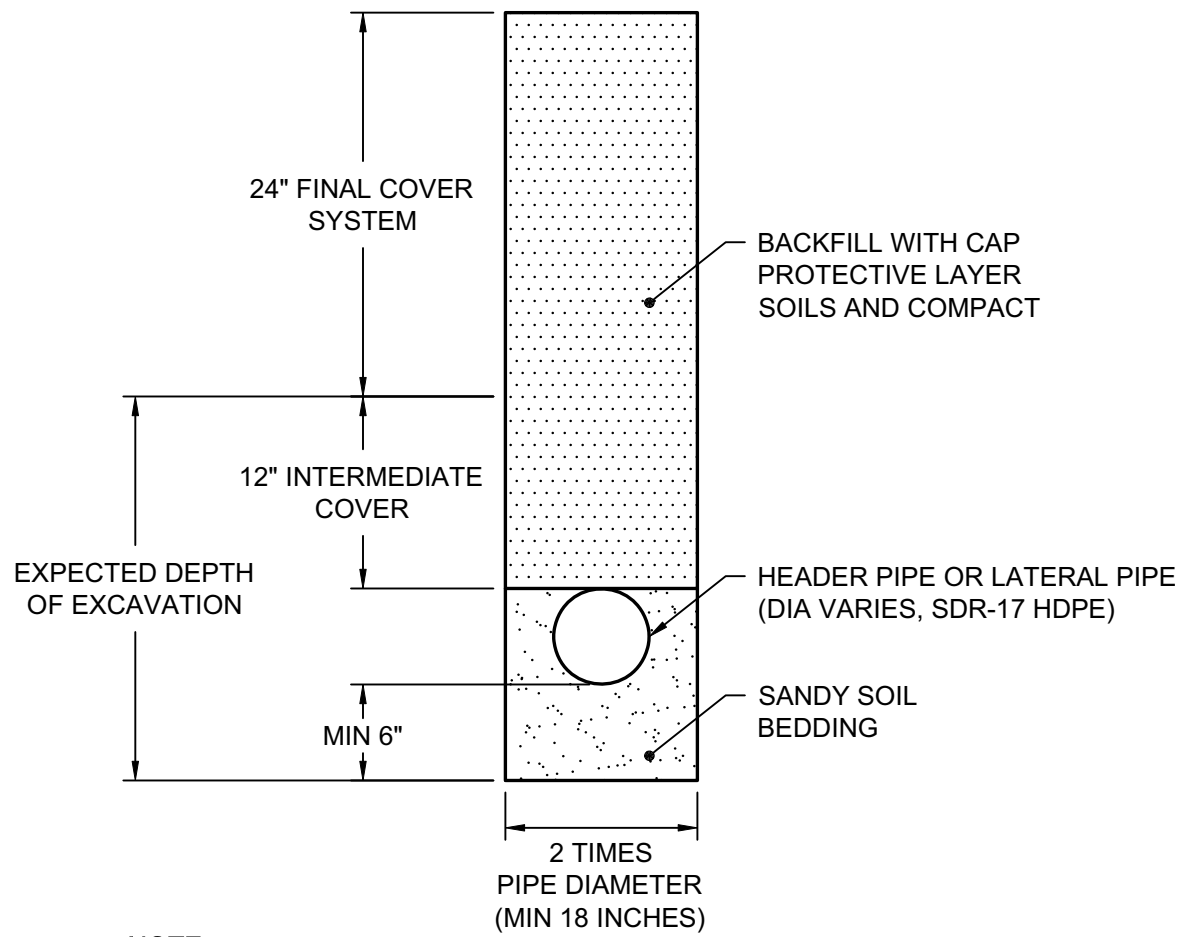




6
29 **DETAIL**
CONDENSATE DRAIN TO LEACHATE CLEANOUT OR DRIPLEG
SCALE: N.T.S.
XREF: FL1452.03X037

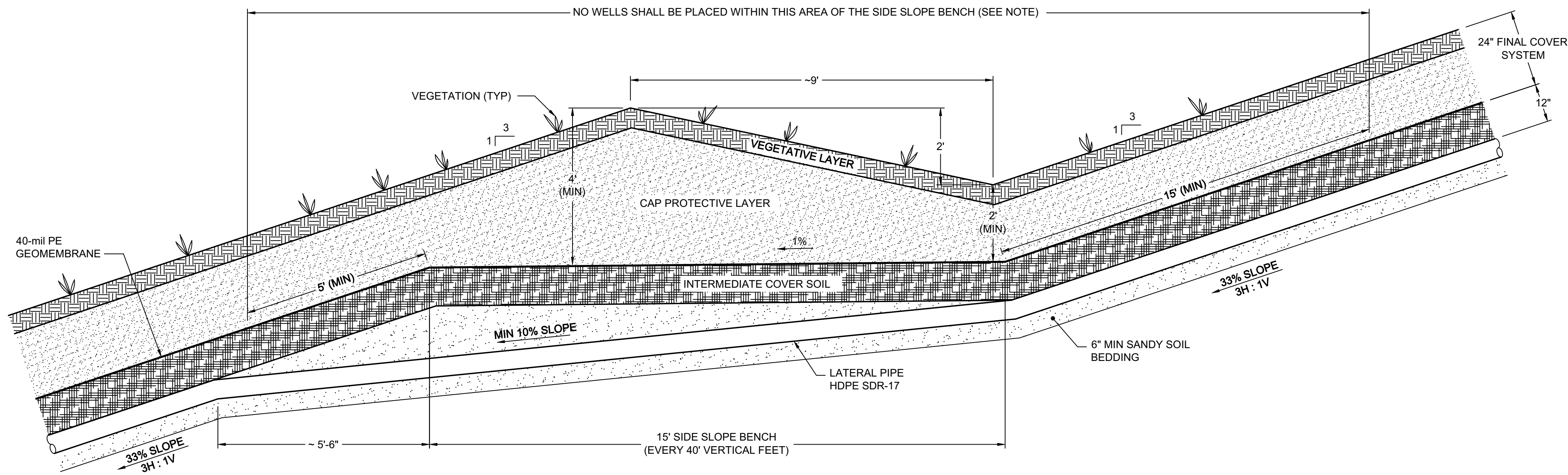


7
31 **DETAIL**
PIPE FINAL COVER PENETRATION
SCALE: N.T.S.
XREF: FL1452.03X023



NOTE:
HEADER AND LATERAL PIPES SHALL TYPICALLY BE INSTALLED 3-FT BELOW THE TOP OF FINAL COVER AS INDICATED. HOWEVER, ALL PIPES SHALL BE INSTALLED AT CONSTANT SLOPE BETWEEN THE END POINTS.

8
29 **DETAIL**
PIPE TRENCH
SCALE: N.T.S.
XREF: FL1452.03X038



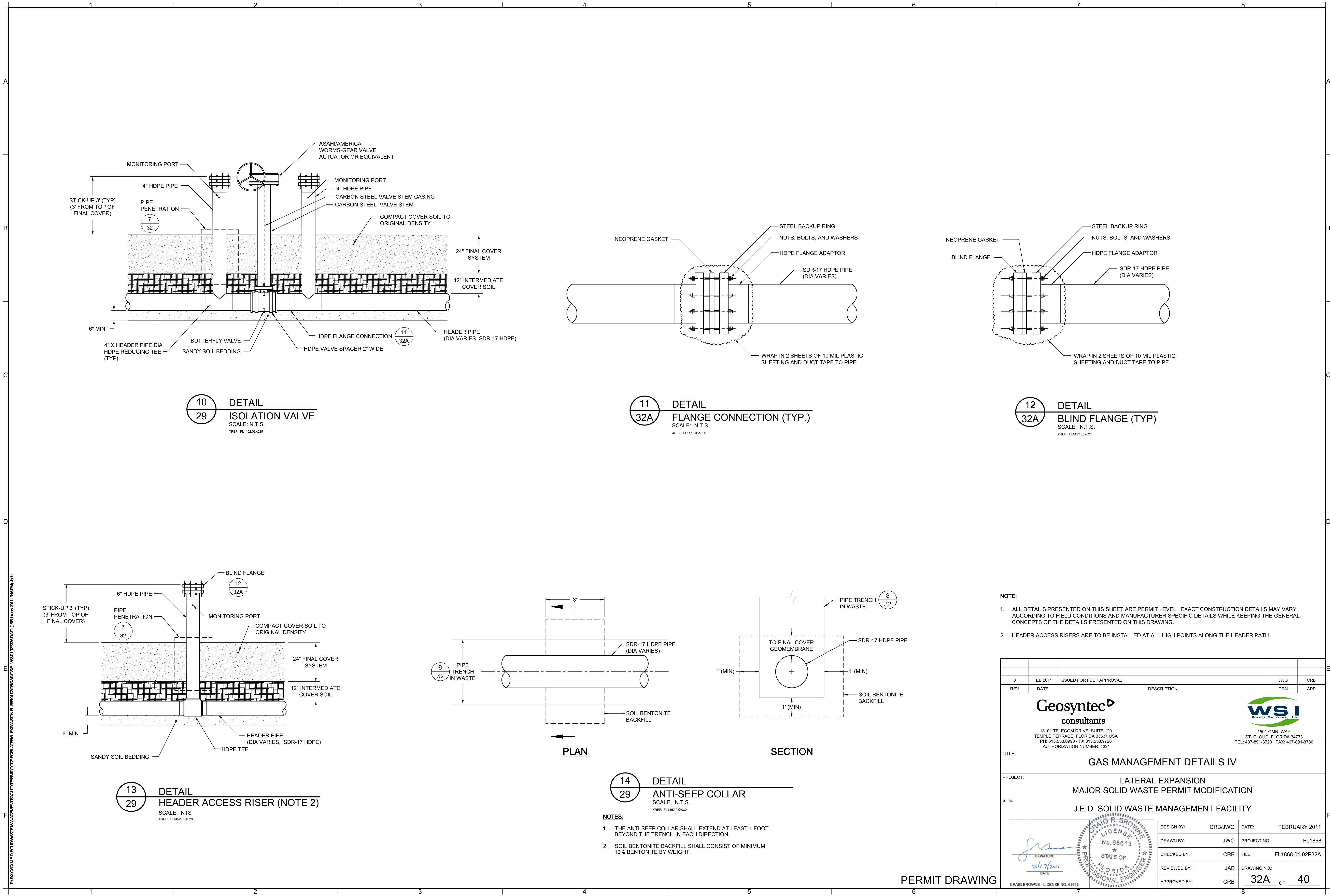
NOTE:
GAS EXTRACTION WELLS ADJACENT TO THE SIDE SLOPE BENCHES SHALL BE OFFSET FROM THE EDGE OF THE 15-FT WIDE BENCH AS INDICATED.

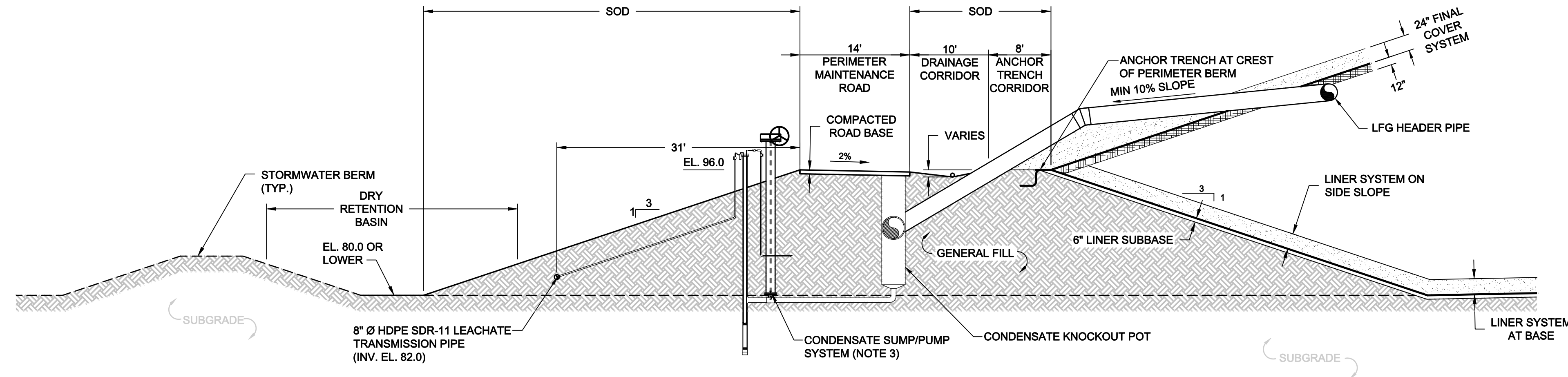
9
- **DETAIL**
LATERAL PIPE TRENCH AT BENCH CROSSING
SCALE: N.T.S.
XREF: FL1452.03X034

- NOTE:**
- ALL DETAILS PRESENTED ON THIS SHEET ARE PERMIT LEVEL. EXACT CONSTRUCTION DETAILS MAY VARY ACCORDING TO FIELD CONDITIONS AND MANUFACTURER SPECIFIC DETAILS WHILE KEEPING THE GENERAL CONCEPTS OF THE DETAILS PRESENTED ON THIS DRAWING.
 - PIPE SIZE FOR CONDENSATE DRAIN "U" SHALL MATCH THE HEADER PIPE SIZE FOR THAT LOCATION, BUT SHALL NOT BE LESS THAN 10 INCHES IN DIAMETER.

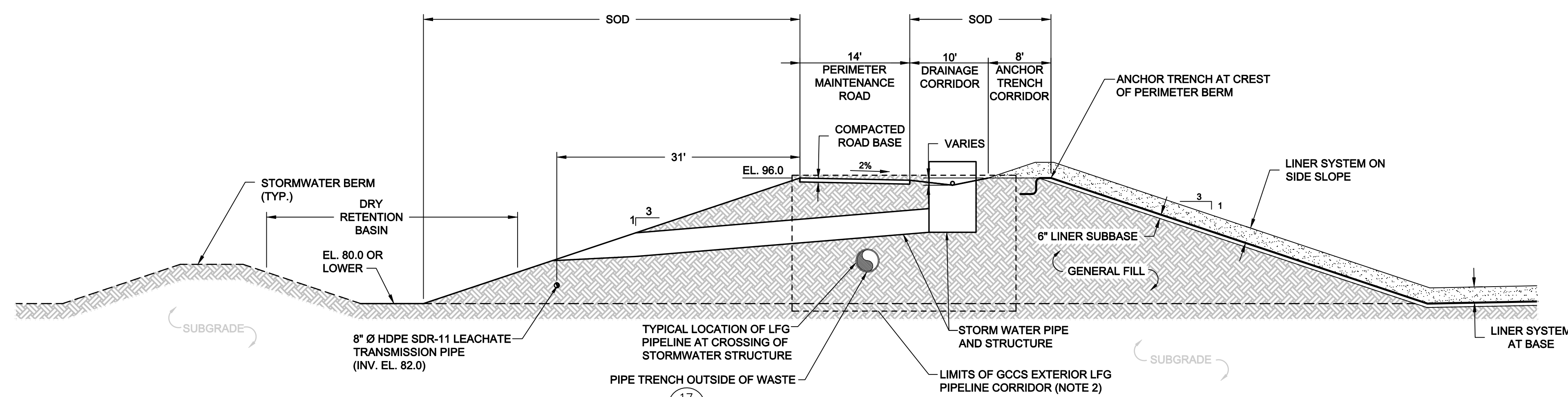
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REV	DATE	DESCRIPTION	DRN	APP
Geosyntec consultants 13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER: 4321				
WSI WASTE SERVICES, INC. 1501 OMNI WAY ST. CLOUD, FLORIDA 34773 TEL: 407-891-3720 FAX: 407-891-3730				
TITLE: GAS MANAGEMENT DETAILS III				
PROJECT: LATERAL EXPANSION MAJOR SOLID WASTE PERMIT MODIFICATION				
SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY				
DESIGN BY: CRB/JWO		DATE: FEBRUARY 2011		
DRAWN BY: JWO		PROJECT NO.: FL1868		
CHECKED BY: CRB		FILE: FL1868.01.02P320		
REVIEWED BY: JAB		DRAWING NO.: 32 OF 40		
APPROVED BY: CRB				

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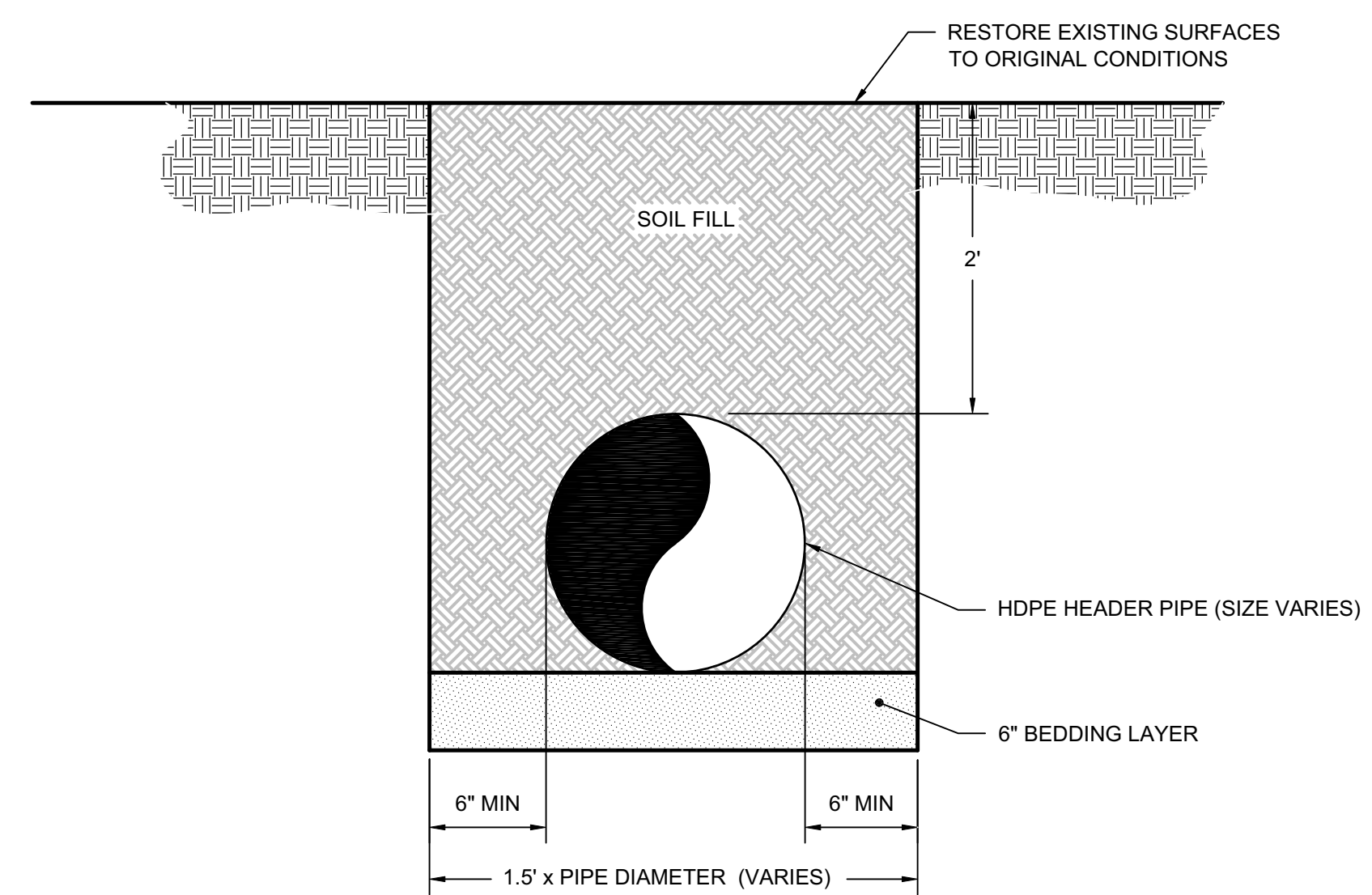




15
29
DETAIL (TYPICAL)
EXTRACTION POINT
SCALE: 1" = 10'
XREF: FL1868.01X083



16
29
DETAIL (TYPICAL)
PIPELINE CROSSING AT STORMWATER STRUCTURE
SCALE: 1" = 10'
XREF: FL1868.01X083



17
32B
DETAIL
PIPE TRENCH OUTSIDE OF WASTE
SCALE: 1" = 1'
XREF: FL1832B.01X047.dwg

- NOTES:
1. WARNING TAPE SHALL BE MIN 3" WIDE METAL-BACKED, AND IMPRINTED WITH "GAS LINE BURIED BELOW".
 2. ALL PIPE HAS 2' MIN COVER EXCEPT AT ABOVE GROUND / BELOW GROUND TRANSITION.
 3. SOIL FOR PIPE BEDDING AND BACKFILL IS AVAILABLE ON-SITE BORROW SOURCE.
 4. COMPACT PIPE BEDDING AND BACKFILL AS SPECIFIED.
 5. MINIMUM PIPE SLOPE SHALL BE 0.5%.

- NOTES:
1. ALL DETAILS PRESENTED ON THIS SHEET ARE PERMIT LEVEL. EXACT CONSTRUCTION DETAILS MAY VARY ACCORDING TO THE FIELD CONDITIONS AND MANUFACTURER SPECIFIC DETAILS WHILE KEEPING CONSISTENT WITH THE GENERAL CONCEPTS OF THE DETAILS PRESENTED ON THIS DRAWING.
 2. THE GCCS EXTERIOR LFG PIPELINE WILL BE LOCATED WITHIN THE LIMITS OF THE GCCS EXTERIOR LFG PIPELINE CORRIDOR SHOWN ON THIS SHEET. ACTUAL LOCATIONS OF THE KNOCKOUT POTS, SUMPS, AND PIPE WILL BE DETERMINED DURING DEVELOPMENT OF THE CONSTRUCTION DRAWINGS, AND WILL BE DEPENDENT ON THE LOCATION OF STORMWATER STRUCTURES AND THE REQUIRED SLOPE OF THE LFG PIPELINE.
 3. SPECIFIC DETAILS CONCERNING THE TYPE OF CONDENSATE SUMP/PUMP AND ITS LOCATION RELATIVE TO THE KNOCKOUT POTS WILL BE DETERMINED DURING THE DEVELOPMENT OF THE CONSTRUCTION DRAWINGS.

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AUTHORIZATION NUMBER: 4321

WSI
WASTE SERVICES, LLC
1501 OMNI WAY
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TEL: 407-891-3720 FAX: 407-891-3730

TITLE: LFG PIPELINE DETAILS I

PROJECT: LATERAL EXPANSION
MAJOR SOLID WASTE PERMIT MODIFICATION

SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY

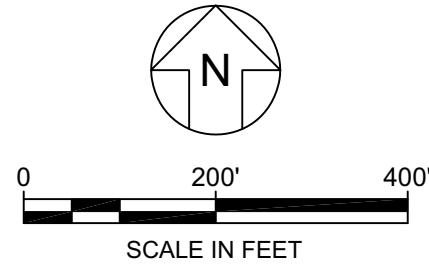
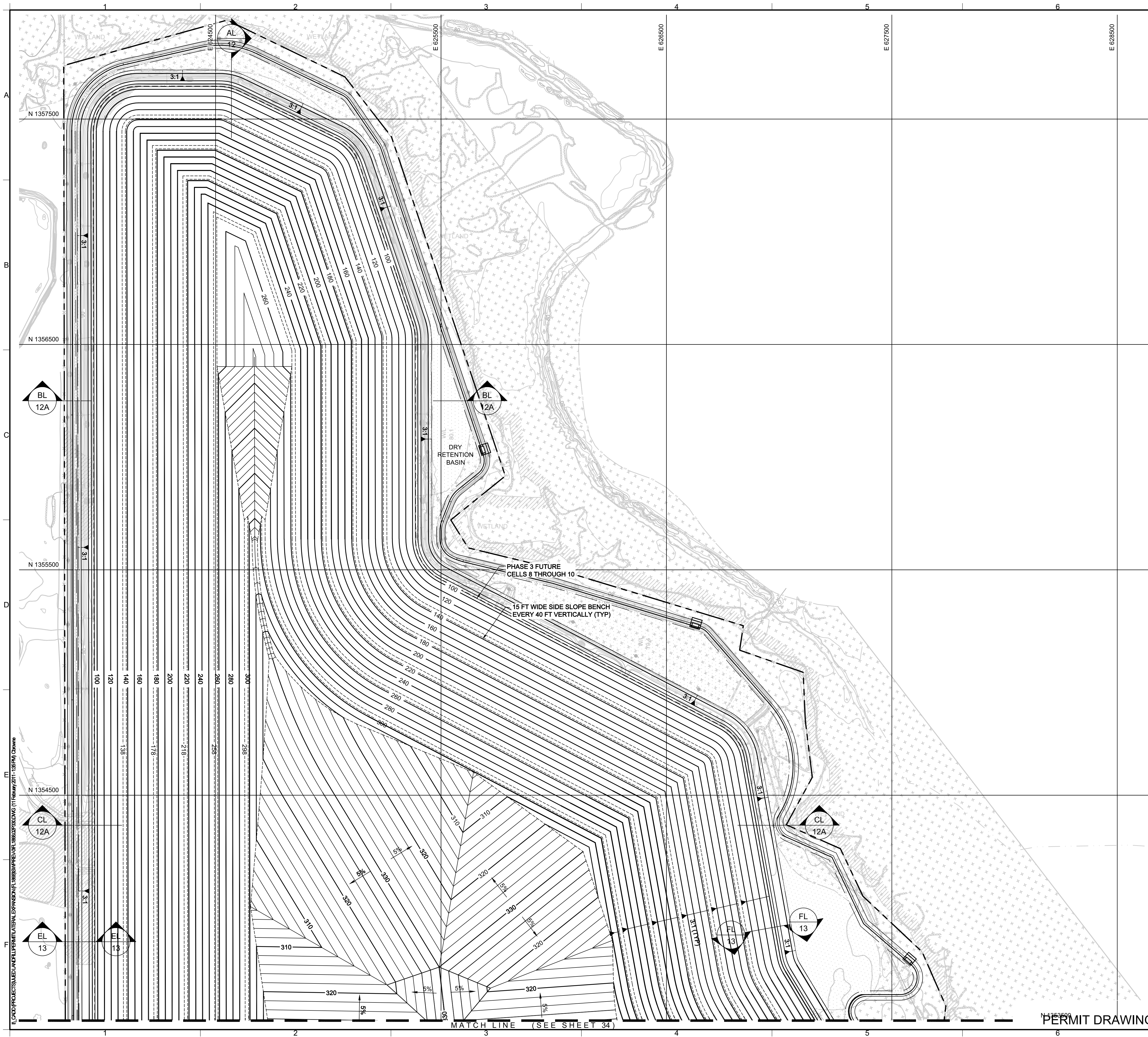
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CRAIG R. BROWNE
No. 68613
STATE OF FLORIDA
PROFESSIONAL ENGINEER

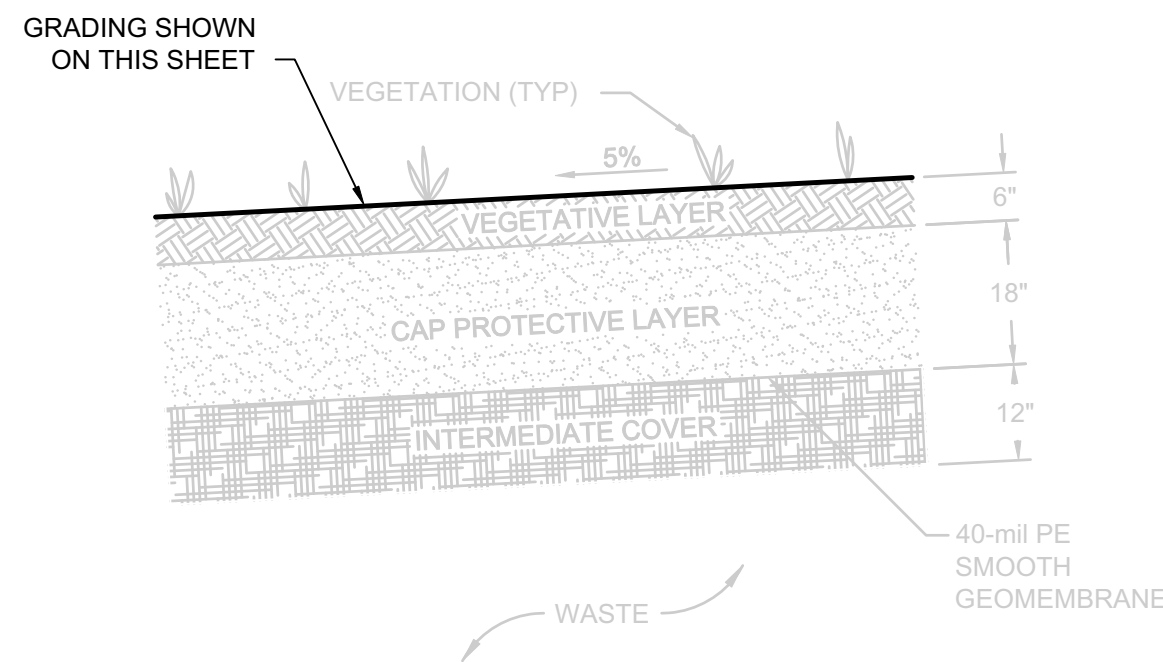
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CHECKED BY:	CRB	FILE:	FL1868.01.02P32B
REVIEWED BY:	JAB	DRAWING NO.:	
APPROVED BY:	CRB		32B OF 40

CRAIG BROWNE - LICENSE NO. 68613

PERMIT DRAWING



- LEGEND**
- PROPERTY BOUNDARY
 - APPROXIMATE LOCATION OF INTERMITTENT STREAM
 - EXISTING GROUND ELEVATION (FEET) (SEE NOTE 3)
 - EXISTING FENCE
 - WETLAND BOUNDARY BY PHOTO INTERPRETATION BY BRA (SEE NOTE 4)
 - WETLAND BOUNDARY PER BY FIELD SURVEY (SEE NOTE 4)
 - 100-YEAR FLOODPLAIN (SEE NOTE 5)
 - STORMWATER MANAGEMENT POND
 - WET RETENTION / BORROW AREA BOUNDARY
 - PERMITTED FINAL COVER ELEVATION (FEET)
 - LATERAL EXPANSION FINAL COVER ELEVATION (FEET)



- NOTES:**
- NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83). THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
 - THE PROPERTY BOUNDARY IS BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMEE FLORIDA, DATED AUGUST 12, 1999.
 - TOPOGRAPHIC INFORMATION SHOWN ON THIS DRAWING WAS PROVIDED BY BASE MAPPING CO. LTD BASED ON AN AERIAL PHOTOGRAPH TAKEN ON 24 JULY 2010.
 - THE WETLAND BOUNDARY INFORMATION SHOWN IS BASED ON A FIELD SURVEY DATED 15 MAY 2002 BY JOHNSTON SURVEYING INC. OF WETLANDS BOUNDARIES FLAGGED BY BIOLOGICAL RESEARCH ASSOCIATES, INC. (BRA) AND JDS PERMIT, A PHOTO INTERPRETATION OF WETLAND BOUNDARIES BY BRA IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION, AND A FIELD SURVEY DATED 24 NOVEMBER 2010 BY PEAVEY & ASSOCIATES OF WETLAND BOUNDARIES FLAGGED BY ENTRIX, INC.
 - THE 100-YEAR FLOODPLAIN BOUNDARY SHOWN WAS PROVIDED BY THE OSCEOLA COUNTY GIS DEPARTMENT ON JANUARY 9, 2002 AND RECONFIRMED WITH THE OSCEOLA COUNTY GIS DEPARTMENT ON 24 SEPTEMBER 2010.

0	FEB 2011	ISSUED FOR FDEP APPROVAL	JWO	CRB
REV	DATE	DESCRIPTION	DRN	APP
Geosyntec consultants 13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER: 4321				
WSI WASTE SERVICES, INC. 1501 OMNI WAY ST. CLOUD, FLORIDA 34773 TEL: 407-891-3720 FAX: 407-891-3730				
TITLE: REVISED FINAL COVER SYSTEM GRADING PLAN I				
PROJECT: LATERAL EXPANSION MAJOR SOLID WASTE PERMIT MODIFICATION				
SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY				
DESIGN BY: CRB/JWO		DATE: FEBRUARY 2011		
DRAWN BY: JWO		PROJECT NO.: FL1868		
CHECKED BY: CRB		FILE: FL1868.02P330		
REVIEWED BY: JAB		DRAWING NO.: 33 OF 40		
APPROVED BY: CRB				

CRAIG BROWNE - LICENSE NO. 68613

2/17/2011

CRAIG BROWNE
LICENSE
No. 68613
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

PERMIT DRAWING

