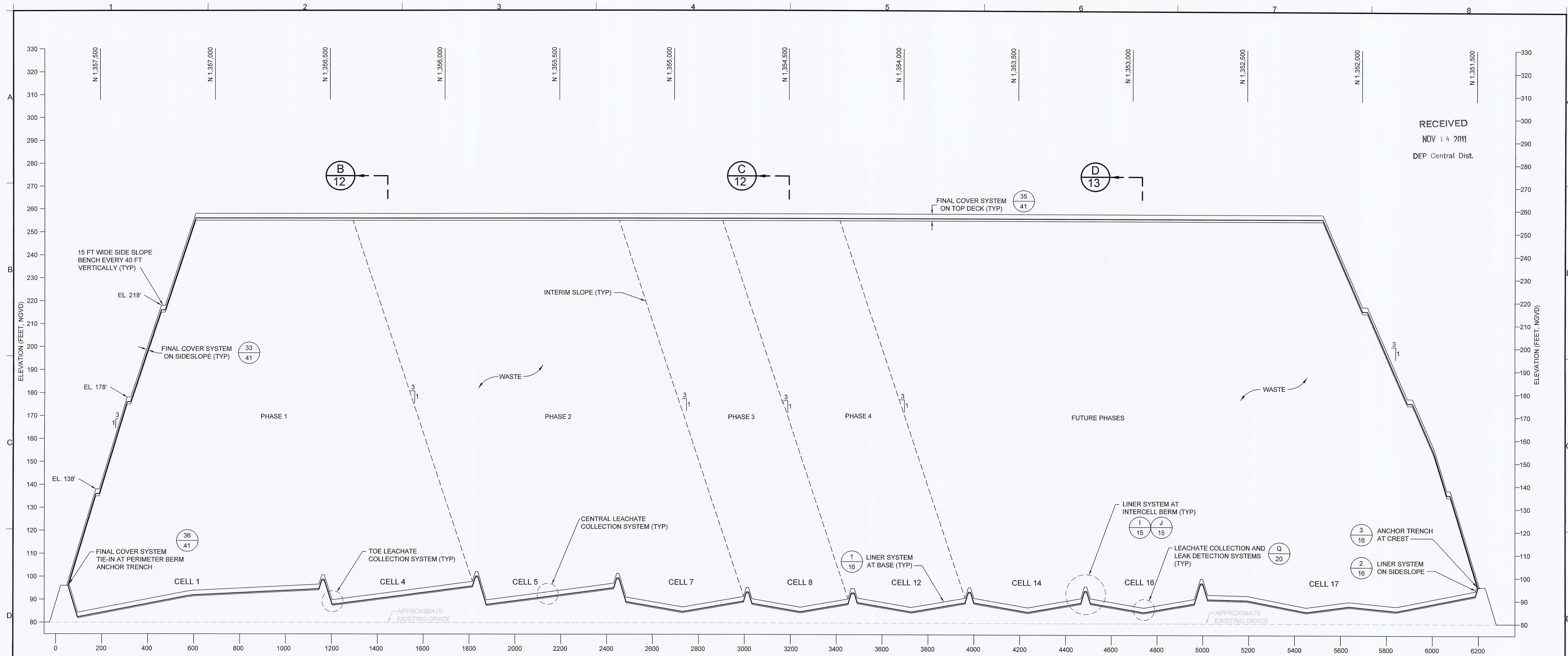




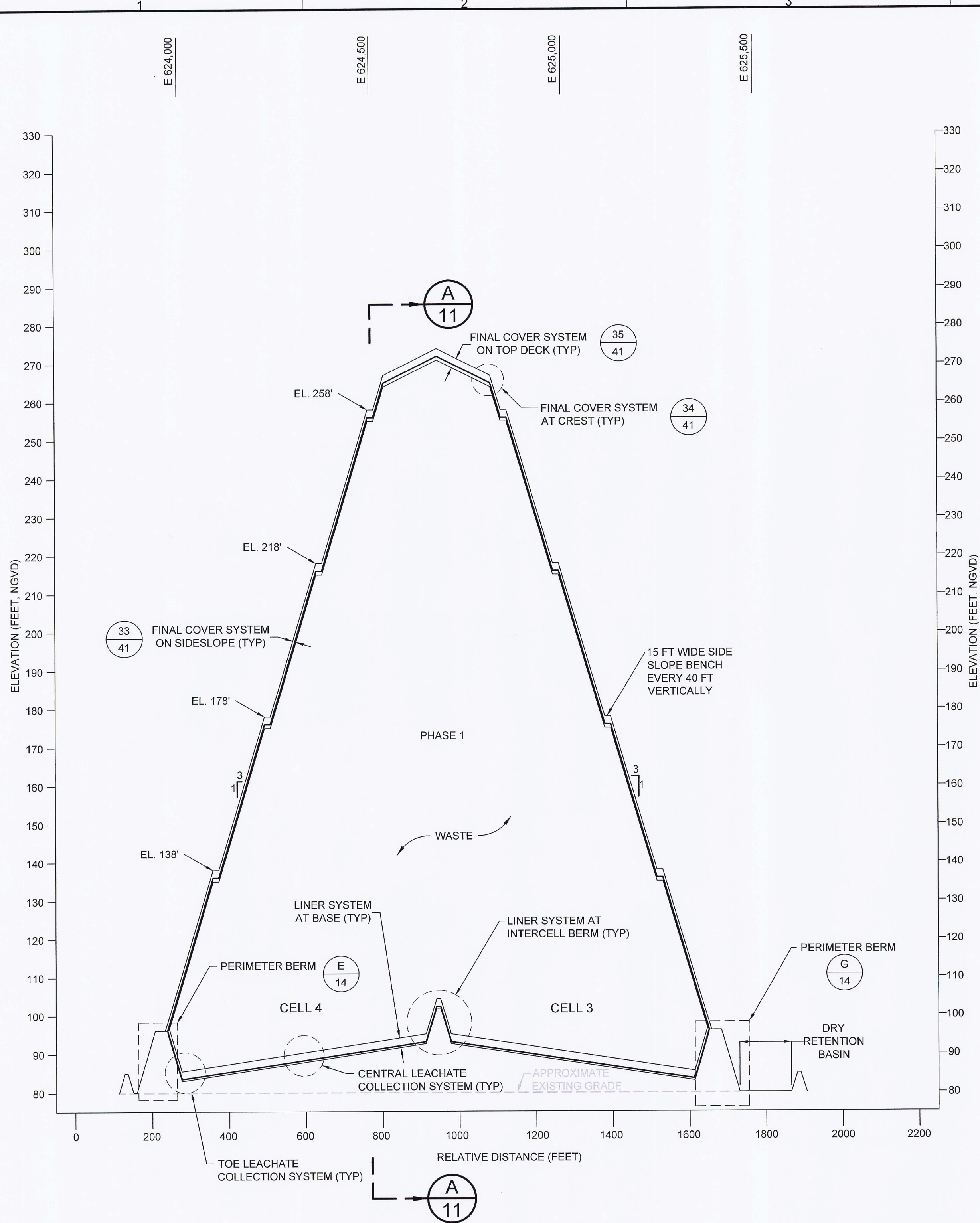
SECTION A 7
LANDFILL CROSS SECTION
SCALE: 1" = 200' (HOR) ; 1" = 20' (VERT)

GENERAL NOTES:
1. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) (FEET).

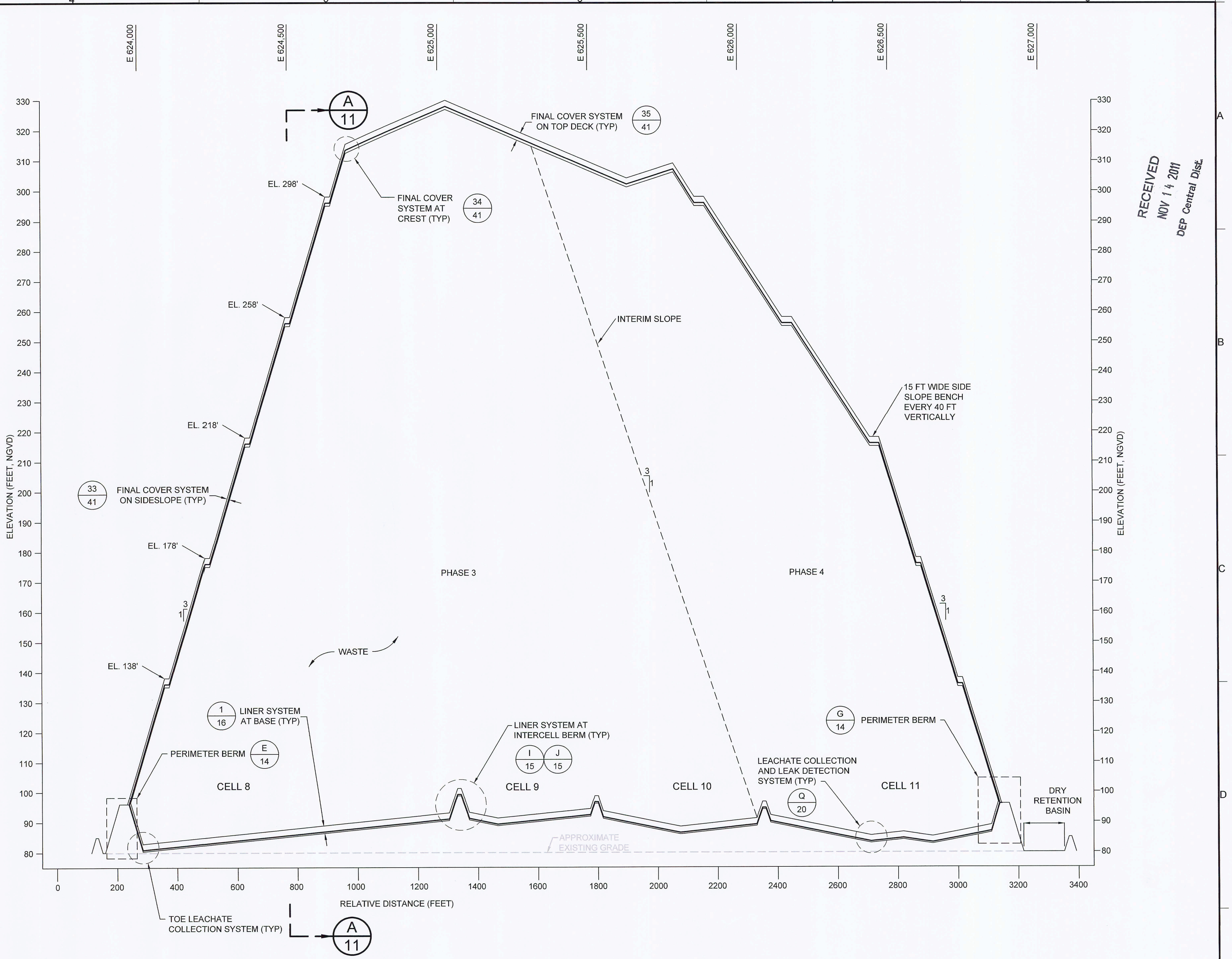
0	NOV 2011	ISSUED FOR FDEP APPROVAL	JWO	VMD
REV	DATE	DESCRIPTION	DRN	APP
Geosyntec consultants 13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER: 4321 WSI Waste Services, Inc. 1501 OMNI WAY ST. CLOUD, FLORIDA 34773 TEL: 407-891-3720 FAX: 407-891-3730				
TITLE: LANDFILL CROSS SECTIONS I				
PROJECT: SOLID WASTE RENEWAL PERMIT				
SITE: SOLID WASTE MANAGEMENT FACILITY				
		DESIGN BY: VMD/JDQ	DATE: NOVEMBER 2011	
		DRAWN BY: JWO/CMV	PROJECT NO.: FL1962.02	
		CHECKED BY: VMD	FILE: FL1962.02P110	
		REVIEWED BY: JDQ	DRAWING NO.: 11 OF 45	
		APPROVED BY: VMD		

PERMIT DRAWING

\\CADD\PROJECTS\LANDFILL\PERMITS\SOLID WASTE\PERMIT\REVISED\11-19-2011-11BPM\04.dwg



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



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

GENERAL NOTES:
1. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) (FEET).

PERMIT DRAWING

0	NOV 2011	ISSUED FOR FDEP APPROVAL	JWO	VMD
REV	DATE	DESCRIPTION	DRN	APP
Geosyntec consultants 13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0999 - FX: 813.558.9725 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: SOLID WASTE RENEWAL PERMIT				
SITE: SOLID WASTE MANAGEMENT FACILITY				
DESIGN BY: VMD/JDQ			DATE: NOVEMBER 2011	
DRAWN BY: JWO/CMV			PROJECT NO.: FL1962.02	
CHECKED BY: VMD			FILE: FL1962.02P110	
REVIEWED BY: JDQ			DRAWING NO.: 12 OF 45	
APPROVED BY: VMD				

RECEIVED
NOV 14 2011
DEP Central Dist.



1. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) (FEET).

0	NOV 2011	ISSUED FOR FDEP APPROVAL						JWO	VMD	
REV	DATE	DESCRIPTION							DRN	APP

13101 TELECOM DRIVE, SUITE 120
TEMPLE TERRACE, FLORIDA 33637 USA
PH: 913.558.0990 - FX: 913.558.9735
AUTHORIZATION NUMBER: 4321

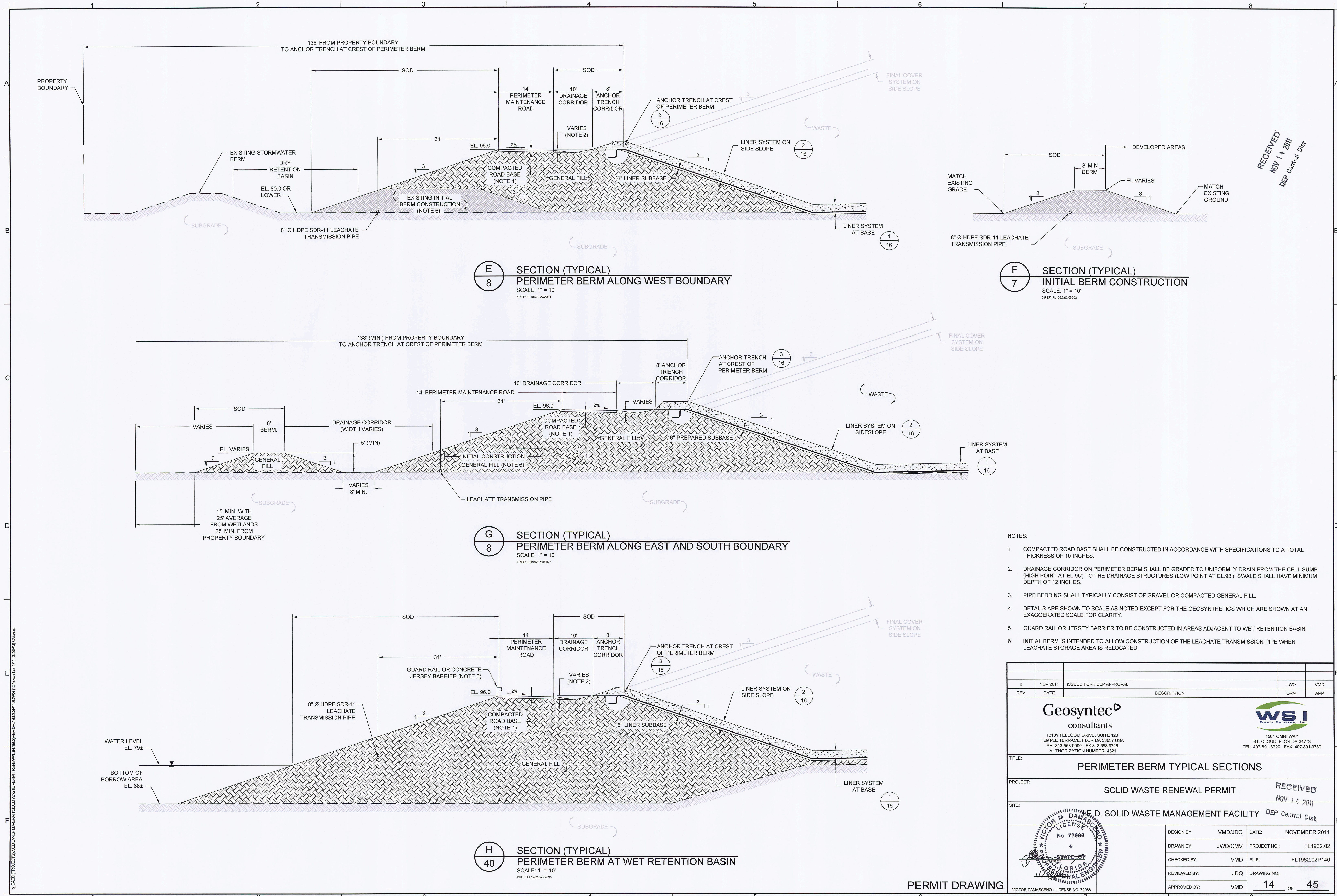
1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730

TITLE:
LANDFILL CROSS SECTIONS III

PROJECT:
SOLID WASTE RENEWAL PERMIT

SITE:
SOLID WASTE MANAGEMENT FACILITY

DESIGN BY:	VMD/JDQ	DATE:	NOVEMBER 2011
DRAWN BY:	JWO/CMV	PROJECT NO.:	FL1962.02
CHECKED BY:	VMD	FILE:	FL1962.02P110
REVIEWED BY:	JDQ	DRAWING NO.:	
APPROVED BY:	VMD	13 45 OF	



RECEIVED
NOV 14 2011
DEP Central Dist

- 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. GUARD RAIL OR JERSEY BARRIER TO BE CONSTRUCTED IN AREAS ADJACENT TO WET RETENTION BASIN.
 6. INITIAL BERM IS INTENDED TO ALLOW CONSTRUCTION OF THE LEACHATE TRANSMISSION PIPE WHEN LEACHATE STORAGE AREA IS RELOCATED.

0	NOV 2011	ISSUED FOR FDEP APPROVAL	JWO	VMD
REV	DATE	DESCRIPTION	DRN	APP

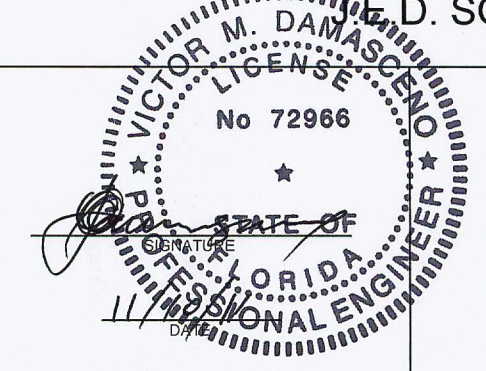
Geosyntec
consultants
13101 TELECOM DRIVE, SUITE 120
TEMPLE TERRACE, FLORIDA 33637 USA
PH: 813.558.0990 - FX: 813.558.9726
AUTHORIZATION NUMBER: 4321

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: SOLID WASTE RENEWAL PERMIT

SITE: W.D. SOLID WASTE MANAGEMENT FACILITY

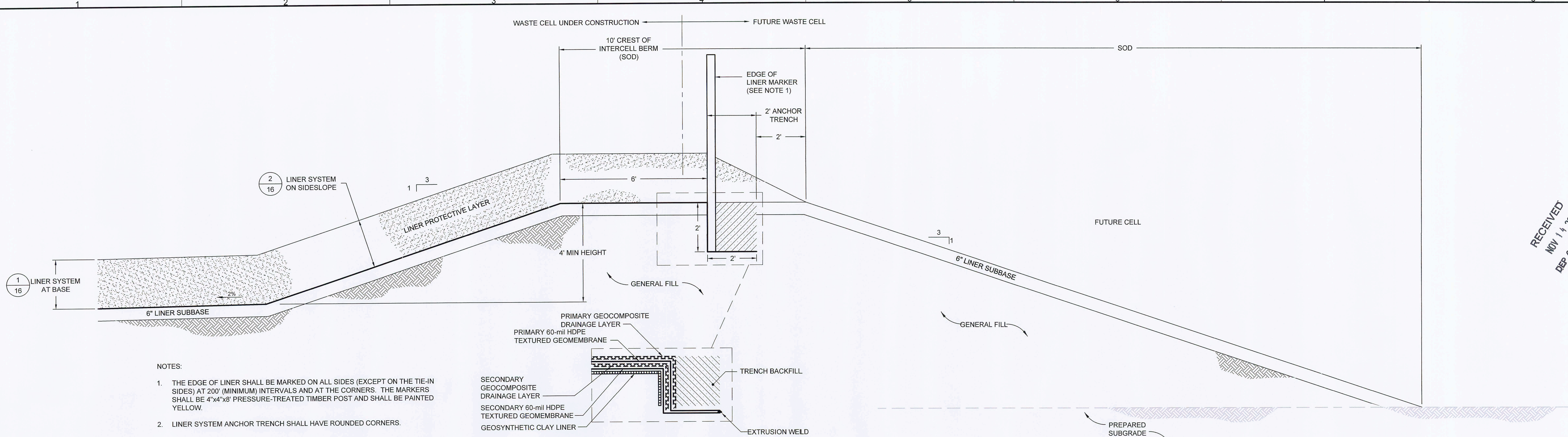


VICTOR M. DAMASCENO
No. 72966
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DESIGN BY:	VMD/JDQ	DATE:	NOVEMBER 2011
DRAWN BY:	JWO/CMV	PROJECT NO.:	FL1962.02
CHECKED BY:	VMD	FILE:	FL1962.02P140
REVIEWED BY:	JDQ	DRAWING NO.:	14 OF 45
APPROVED BY:	VMD		

PERMIT DRAWING

VICTOR DAMASCENO - LICENSE NO. 72966



NOTES:

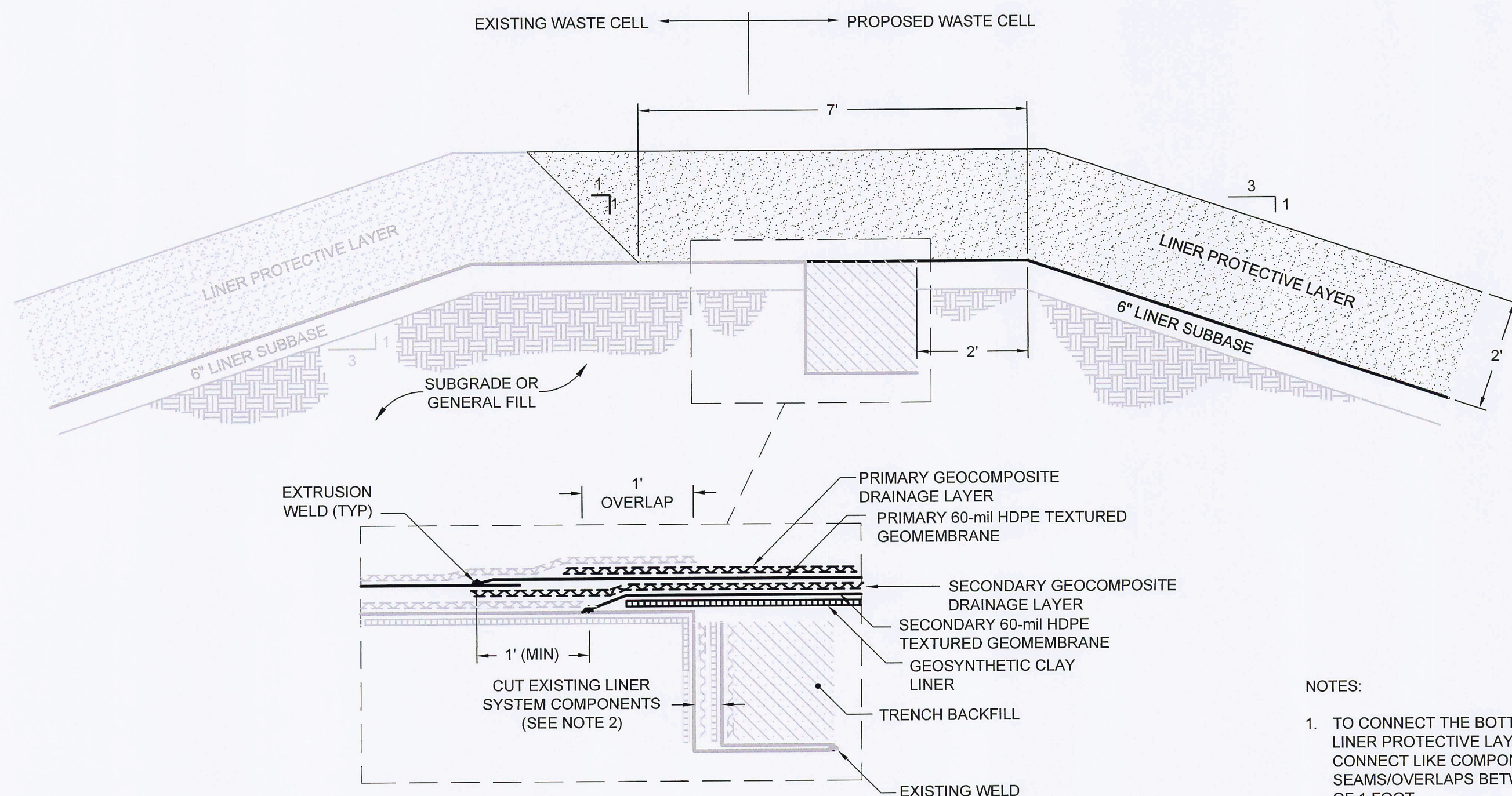
1. THE EDGE OF LINER SHALL BE MARKED ON ALL SIDES (EXCEPT ON THE TIE-IN SIDES) AT 200' (MINIMUM) INTERVALS AND AT THE CORNERS. THE MARKERS SHALL BE 4"x4"x8' PRESSURE-TREATED TIMBER POST AND SHALL BE PAINTED YELLOW.
2. LINER SYSTEM ANCHOR TRENCH SHALL HAVE ROUNDED CORNERS.

1
7

SECTION (TYPICAL)

LINER SYSTEM TERMINATION AT INTERCELL BERM

SCALE: 1" = 2'
XREF: FL1962.02X2098



J
8

SECTION (TYPICAL)

LINER SYSTEM TIE-IN AT INTERCELL BERM

SCALE: 1" = 2'
XREF: FL1962.02X2098

NOTES:

1. TO CONNECT THE BOTTOM LINER SYSTEMS DURING CONSTRUCTION, EXCAVATE THE LINER PROTECTIVE LAYER, REMOVE ANY SACRIFICIAL GEOTEXTILE SEPARATOR, AND CONNECT LIKE COMPONENTS OF GEOSYNTHETICS AS INDICATED. STAGGER THE SEAMS/OVERLAPS BETWEEN LIKE COMPONENTS OF GEOSYNTHETICS BY A MINIMUM OF 1 FOOT.
2. DO NOT CUT THE EXISTING SECONDARY GEOMEMBRANE AND GCL. TIE-IN AS SHOWN.
3. UPON REMOVAL OF PROTECTIVE COVER FROM THE TIE-IN AREA OF THE CELL, CONTRACTOR SHALL USE EXTREME CARE NOT TO DAMAGE EXISTING GEOSYNTHETICS. DAMAGED GEOSYNTHETICS SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. SITE MANAGER SHALL INSPECT TIE-IN AREA DURING REMOVAL.

NOTES:

1. DETAILS ARE SHOWN TO SCALE AS NOTED EXCEPT FOR THE GEOSYNTHETICS WHICH ARE SHOWN AT AN EXAGGERATED SCALE FOR CLARITY.

0	NOV 2011	ISSUED FOR FDEP APPROVAL	JWO	VMD
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: **LINER SYSTEM DETAILS I - CELLS 8 THROUGH 13**

PROJECT: **SOLID WASTE RENEWAL PERMIT**

SITE: **SOLID WASTE MANAGEMENT FACILITY**

DESIGN BY: VMD/JDQ

DRAWN BY: JWO/CMV

CHECKED BY: VMD

REVIEWED BY: JDQ

APPROVED BY: VMD

DATE: NOVEMBER 2011

PROJECT NO.: FL1962.02

FILE: FL1962.02P150

DRAWING NO.: 15 OF 45

VICTOR DAMASCENO - LICENSE NO. 72966

PERMIT DRAWING