PERMANENT RETAINING WALL SYSTEM DATA TABLES

	GEOTECHNICAL INFORMATION Table Date 1-01-11									
		Reinforced Soil & Random Backfill	Loose Fine Sand	Firm Fine Sand	Loose Clayey Fine Sand	Firm Clayey Fine Sand				
Depth Below Existing	Wall No. 1		0'-6'	6'-33'	33'-39'					
Ground Line (ft.)	Wall No. 2		0'-6'	6'-33'	33'-39'					
Effective Unit	Weight (pcf)	110 (moist weight in-place)	118	118	120	110				
Cohesio	Cohesion (psf) 0		0	0	122	122				
Internal Frid	tion Angle	<i>30°</i>	30°	32°	0	0				

NOTE:

If the unit weight and/or internal friction angle of the fill proposed by the Contractor differs from that shown above, the Project Engineer will contact both the District Geotechnical Engineer and the Wall Designer for a possible redesign.

	RETAINING	WALL VARIAE	BLES	Table Date 1-01-11					
Wall No.	Wall Settlement								
	Long Term	Short Term	Differentia	al Settlement					
Waii No.	Settlement (in.)	Settlement (in.)	Longitudinal (%) (ft./100ft.)	Transverse (in.)					
1	2" to 3"	1" to 2"	0.50	N/A					
2	2" to 3"	1" to 2"	0.50	N/A					

NOTE:

Design walls for the settlements noted in the table.

Long term settlement is measured from the end of wall fill placement.

Transverse differential settlement is measured from the face of wall to the end of the soil reinforcement.

											ı	
	SOIL REIN	FORCE	MENT L	ENGTH	IS FOR	EXTE	RNAL S	STABIL.	ITY		Table Date	1-01-11
I	Wall Height (ft.)	0-11	12	13-14	15	16-17	18	19-20	21	22-23	24	25
Wall No.	Reinforcement Length (ft.)	8	9	10	11	12	13	14	15	16	17	18
×	Factored Bearing Resistance (psf)	1984	2295	2546	2857	3108	3419	3671	3980	4233	4543	4851
2	Wall Height (ft.)	0-11	12	13-14	15	16-17	18	19-20	21	22-23	24	25
Wall No.	Reinforcement Length (ft.)	8	9	10	11	12	13	14	15	16	17	18
Ň	Factored Bearing Resistance (psf)	1984	2295	2546	2857	3108	3419	3671	3980	4233	4543	4851

NOTES:

- 1. The reinforcement strap lengths shown above are the minimum lengths required for external stability. The reinforcement lengths used in the construction of the retaining walls will be the longer of that required for external or internal stability (determined by proprietary wall companies).
- 2. The Factored Bearing Resistances shown above are the critical (lowest) values from all the load cases analyzed using LRFD methodology.

NOTES:

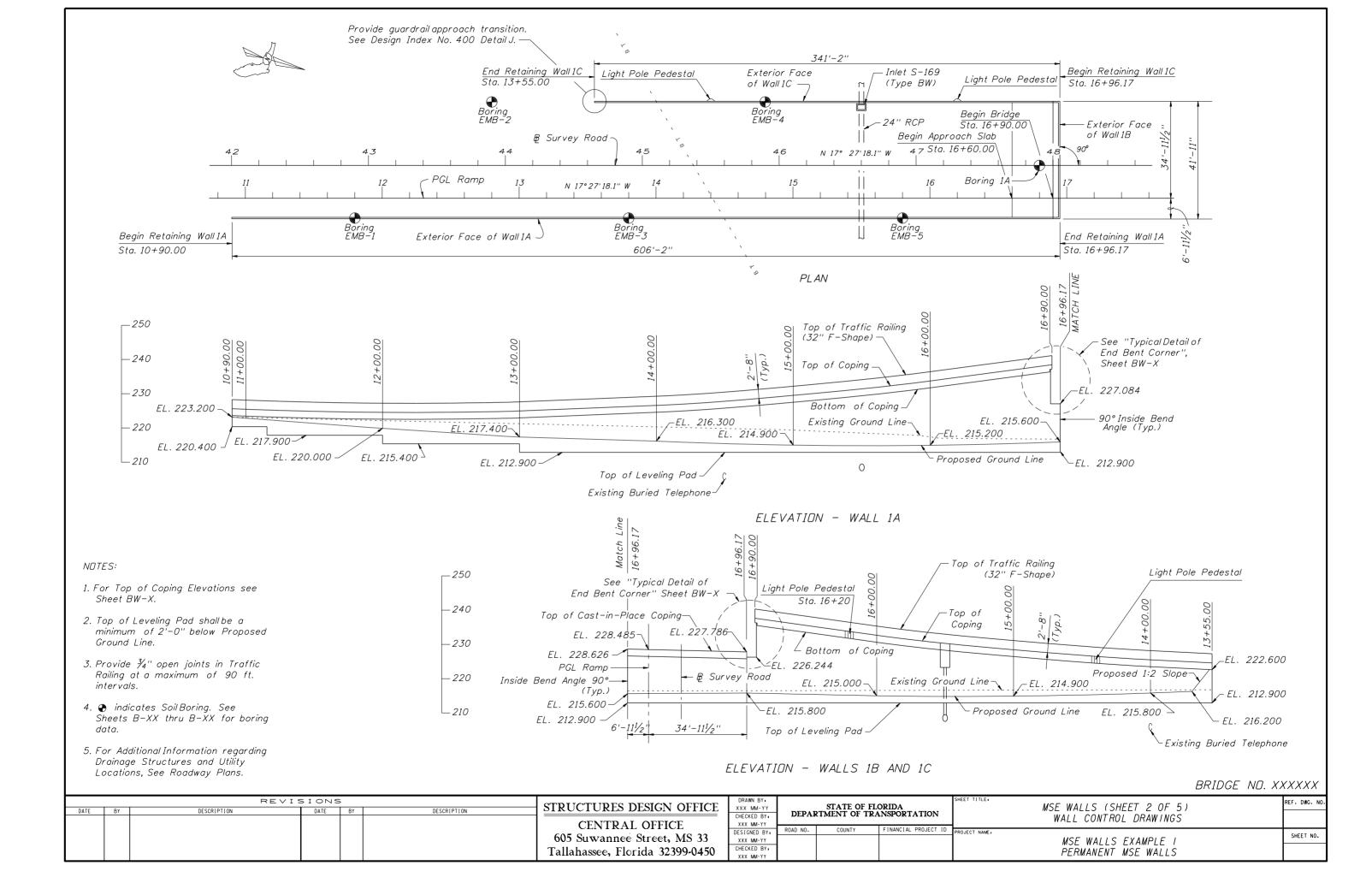
- 1. Concrete facing panel surfaces treatment will be a fluted, trapezoid, V-groove, fractured rib $\frac{1}{2}$ " on $\frac{1}{2}$ " centers similar to Burke Form Liner, Pattern No. BG312 (Waterfall).
- 2. If required, the soil reinforcement and fasteners for the abutement back wall will be designed and furnished by proprietary wall company. The soil reinforcement will be designed to resist a factored horizontal load of 3.5 kips/ft of back wall width. The cost of soil reinforcement and fasteners will be included in the cost of the retaining wall system.
- 3. Applicable FDOT Wall Types for each wall location are listed below. See the Qualified Products List for approved wall systems and Design Standards Index No. 6020 for allowable wall type substitutions.

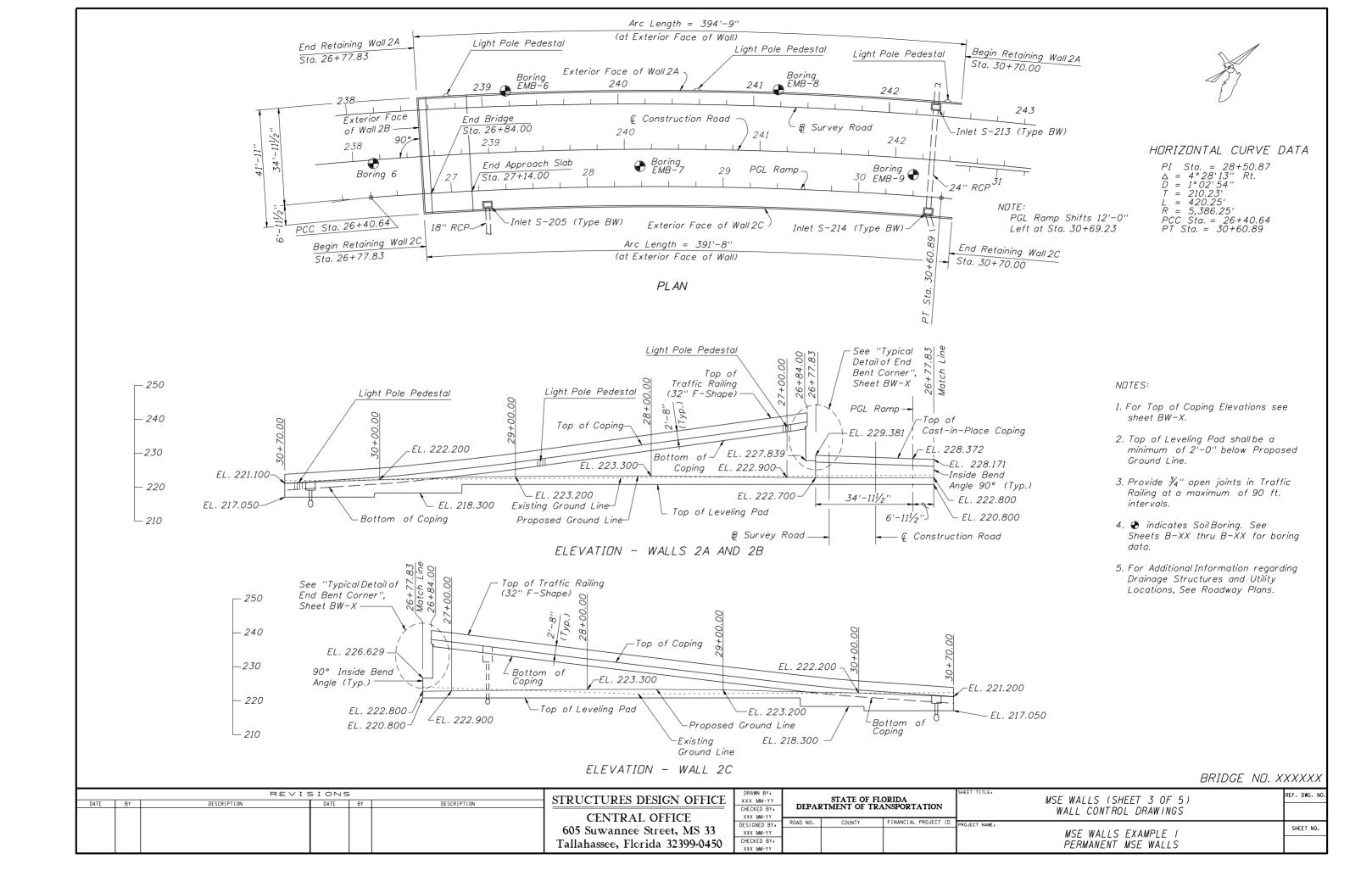
Wall No. 1 & 2 - FDOT Wall Type 2B

- 4. Concrete for Coping and/or Junction Slab shall be Class II (f'c = 3,400 psi).
- 5. See Design Standards Index No. 6020 for General Notes And Details.
- 6. Longitudinal dimensions shown in the plans are measured along the exterior face of the wall. Elevations shown are to the top of coping, top of leveling pad or top of wall footing.

BRIDGE NO. XXXXXX

	REVISIONS			STRUCTURES DESIGN OFFICE	DRAWN BY:		STATE OF FLORIDA	SHEET TITLE.	WALLS (SHEET OF 5)	REF. DWG. NO.		
DATE	BY DESCRIPTION	DATE	BY	DESCRIPTION		XXX MM-YY CHECKED BY	DEPARTMENT OF TRANSPORTATION		DEPARTMENT OF TRANSPORTATION		WALL DATA TABLES	
					CENTRAL OFFICE	XXX MM-YY	ROAD NO.	COUNTY FINANCIAL PROJECT ID		WALL DATA TABLES		
					605 Suwannee Street, MS 33	DESIGNED BY: XXX MM-YY			PROJECT NAME:	MSE WALLS EXAMPLE I	SHEET NO.	
					Tallahassee, Florida 32399-0450	CHECKED BY: XXX MM-YY				PERMANENT MSE WALLS		





WALL No. 1A

WALL No. 2A

Top of Coping Elevation @ Wall 2A (ft.)

239.246 238.327 236.948 235.569 234.191 232.812 231.433 230.055 228.676 227.297 226.058 224.927 223.891 222.950 221.525 221.121

	Exposed Face of Wall 1A Offset from	Top of Coping Elevation		Exposed Face of Wall 2A Offset from
PGL Ramp	PGL Ramp	@ Wall1A	PGL Ramp	PGL Ramp
Station [']	(ft.) '	(ft.)	Station	(ft.)
10+90.00	6.958	225.647	26+78.83	34.958
11+00.00	<i>6.958</i>	<i>225.486</i>	26+84.00	34.958
<i>11+25.00</i>	6.958	225.139	27+00.00	<i>34.958</i>
11+50.00	6.958	224.872	27+25.00	<i>34.958</i>
<i>11 + 75.00</i>	6.958	224.685	27+50.00	<i>34.958</i>
12+00.00	6.958	224.578	27+75.00	<i>34.958</i>
12+25.00	6.958	224.551	28+00.00	<i>34.958</i>
12+50.00	6.958	224.604	28+25.00	<i>34.958</i>
12+75.00	6.958	224.737	28+50.00	<i>34.958</i>
13+00.00	6.958	224.950	<i>28+75.00</i>	<i>34.958</i>
<i>13+25.00</i>	6.958	225.243	29+00.00	<i>34.958</i>
13+50.00	6.958	225.616	29+25.00	<i>34.958</i>
<i>13+75.00</i>	6.958	226.069	29+50.00	<i>34.958</i>
14+00.00	6.958	226.603	<i>29+75.00</i>	<i>34.958</i>
<i>14+25.00</i>	6.958	227.216	30+00.00	<i>34.958</i>
14+50.00	6.958	227.909	<i>30+25.00</i>	<i>34.958</i>
<i>14 + 75.00</i>	6.958	228.683	30+50.00	<i>34.958</i>
15+00.00	6.958	229.536	<i>30+70.00</i>	22.958
<i>15+25.00</i>	6.958	230.470		
15+50.00	6.958	231.483		
<i>15+75.00</i>	6.958	232.577		
16+00.00	6.958	233.750		
16+25.00	6.958	235.004		
16+50.00	6.958	236.323		
<i>16+75.00</i>	6.958	237.648		
16+90.00	6.958	238.477		
16+93.50	6.958	_		

WALL No. 1C

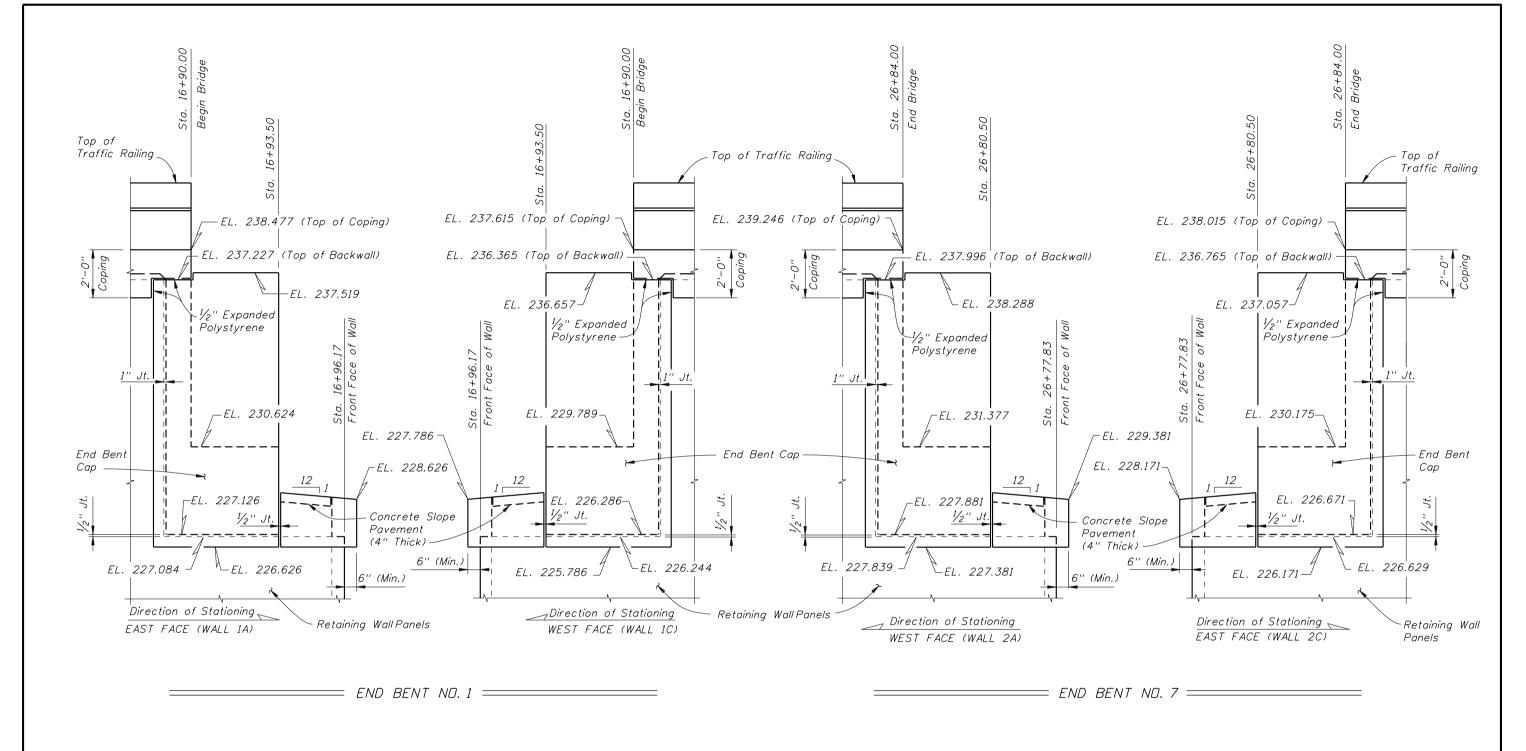
WALL No. 2C

PGL Ramp Station	Exposed Face of Wall 1C Offset from PGL Ramp (ft.)	Top of Coping Elevation @ Wall 1C (ft.)	PGL Ramp Station	Exposed Face of Wall 2C Offset from PGL Ramp (ft.)	Top of Coping Elevation @ Wall 2C (ft.)
13+55.00 13+75.00 14+00.00 14+25.00 14+50.00 15+00.00 15+25.00 15+50.00 16+75.00 16+25.00 16+50.00 16+75.00	34.958 34.958 34.958 34.958 34.958 34.958 34.958 34.958 34.958 34.958 34.958 34.958	224.600 224.969 225.503 226.116 226.809 227.583 228.436 229.370 230.383 231.477 232.650 233.904 235.390 236.848	26+78.83 26+84.00 27+00.00 27+25.00 27+50.00 27+75.00 28+00.00 28+25.00 28+75.00 29+00.00 29+25.00 29+50.00 29+75.00	6.958 6.958 6.958 6.958 6.958 6.958 6.958 6.958 6.958 6.958 6.958 6.958	- 238.015 237.310 236.055 234.804 233.554 232.314 231.102 229.890 228.678 227.466 226.258 225.127 224.091
16+90.00	34.958	237.615	30+00.00 30+25.00 30+50.00 30+70.00	6.958 6.958 6.958 18.958	223.150 222.307 221.656 221.201

- NDTES:
 1. Offsets are given to the exterior face of the proprietary wall.
- 2. For proposed ground elevations for all walls, see Sheets BW-X and BW-X.

BRIDGE NO. XXXXXX

REVISIONS			STRUCTURES DESIGN OFFICE	DRAWN BY:	STATE OF FLORIDA		SHEET TITLE. MSE WALLS (SHEET 4 OF 5)	F. DWG. NO.		
DATE BY	DESCRIPTION	DATE E	BY	DESCRIPTION	STRUCTURES DESIGN OFFICE	XXX MM-YY CHECKED BY:	DEPARTMENT OF TRANSPOR	RTATION	WALL CONTROL DRAWINGS	
					CENTRAL OFFICE	XXX MM-YY			4	
					605 Suwannee Street, MS 33	DESIGNED BY:	ROAD NO. COUNTY FINANCIA	CIAL PROJECT ID		SHEET NO.
					Tallahassee, Florida 32399-0450	CHECKED BY:			PERMANENT MSE WALLS	



NOTE:

1/2" and 1" Joints to be
Preformed Joint Filler,
unless otherwise shown.

BRIDGE NO. XXXXXX

1	ATE	ВҮ	RE∨IS DESCRIPTION	DATE BY	DESCRIPTION	STRUCTURES DESIGN OFFICE	DRAWN BY: XXX MM-YY	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ORIDA	MSE WALLS (SHEE! 5 UF 5)	REF. DWG. NO.
						CENTRAL OFFICE	CHECKED BY: XXX MM-YY DESIGNED BY:	ROAD NO.	COUNTY	LEINANGIAL DROUGGT ID	WALL DETAILS	
						605 Suwannee Street, MS 33 Tallahassee, Florida 32399-0450	XXX MM-YY CHECKED BY XXX MM-YY				MSE WALLS EXAMPLE I PERMANENT MSE WALLS	SHEET NO.