

1 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- GA. STD. 3054 (9-30-02)  
 (L = 4'-0"; W = 1'-1"; H = 3'-6")  
 ONE PIPE ALUMINUM HANDRAILING ----- GA. STD. 3626 (10-22-85)

DESIGN DATA - FOUNDATION MATERIAL

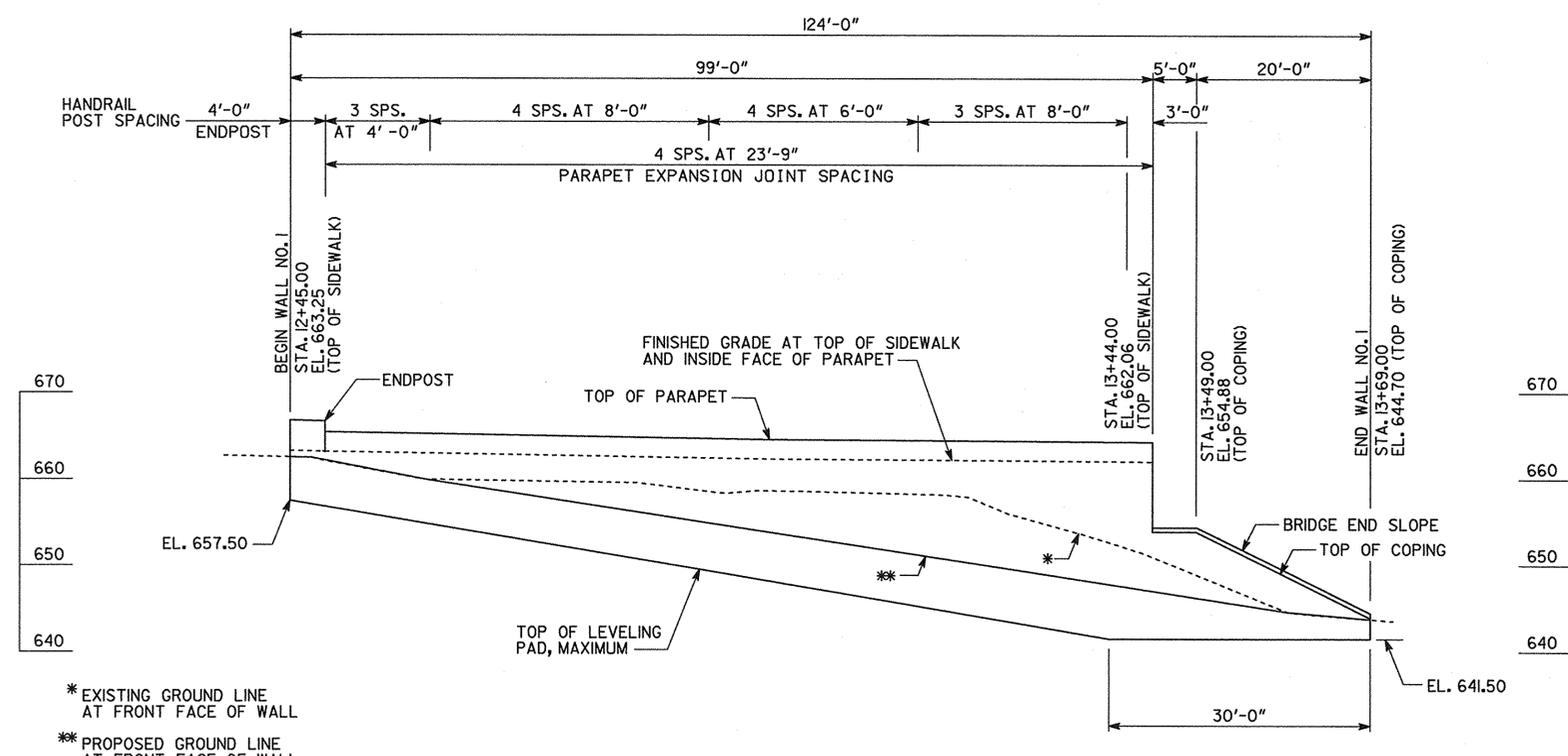
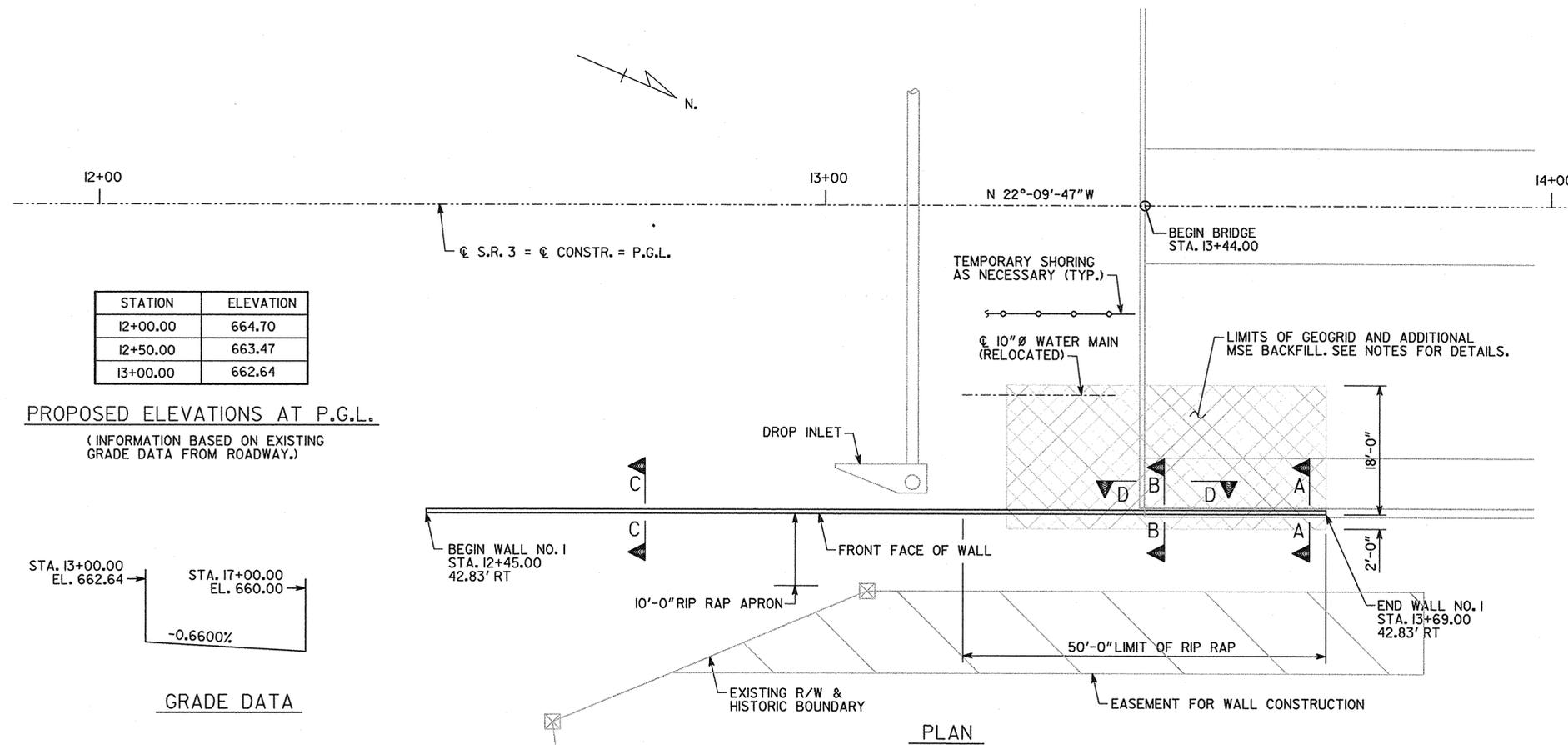
ALLOWABLE SOIL BEARING PRESSURE ----- 2 KSF  
 COHESION ----- 0 PSF  
 ANGLE OF INTERNAL FRICTION ----- 28 DEGREES  
 UNIT WEIGHT ----- 115 PCF  
 COEFFICIENT OF SLIDING FRICTON ----- 0.45

NOTES

1. STATIONS SHOWN ARE ALONG  $\phi$  S.R. 3. OFFSETS ARE GIVEN TO FRONT FACE OF WALL.
2. ELEVATIONS SHOWN ARE AT TOP OF LEVELING PAD, TOP OF COPING, OR TOP OF SIDEWALK AT INSIDE FACE OF WALL.
3. FROM BEGINNING OF THE WALL TO THE BEGINNING OF THE BRIDGE, THE TOP OF PARAPET AND ENDPST TO FOLLOW ROADWAY PROFILE GRADE AT INSIDE FACE OF PARAPET OR ENDPST.
4. SEE SHEET 2 FOR SECTION A-A THROUGH D-D.
5. HANDRAIL NOT SHOWN.
6. NO ARCHITECTURAL TREATMENT IS REQUIRED. PROVIDE PLAIN CONCRETE FINISH.
7. ALL MSE WALL PANELS SHALL HAVE A GRAFFITI PROOF COATING AS PER SECTION 838 OF THE GEORGIA DOT SPECIFICATIONS.
8. PROVIDE 1 INCH EXPANSION JOINT IN COPING AND PARAPET AT EVERY FOURTH PANEL.
9. THE DROP INLET, 18" DIAMETER REINFORCED CONCRETE PIPE, AND UTILITY ENCASEMENTS SHALL BE INSTALLED WHILE WALL IS BEING CONSTRUCTED.
10. IF THE MSE WALL DESIGN PRESSURE EXCEEDS THE MAXIMUM ALLOWABLE PRESSURE, THEN THE WALL SHOULD BE CONSTRUCTED TO A HEIGHT EQUIVALENT TO THE ALLOWABLE BEARING PRESSURE, AND AFTER A 30 DAY WAITING PERIOD, THE WALL MAY BE CONSTRUCTED TO ITS FINAL HEIGHT.
11. REMOVE 4 FEET OF SOFT MATERIAL BELOW THE MAXIMUM TOP OF LEVELING PAD ELEVATION FROM STA. 13+25 TO 13+69. PLACE A LAYER OF TYPE A GEOGRID IN ACCORDANCE WITH SPECIAL PROVISION 457 AND 809 PRIOR TO PLACING REPLACEMENT MATERIAL. REPLACE SOFT MATERIAL WITH MSE WALL BACKFILL MATERIAL COMPACTED TO MINIMUM OF 100 PERCENT OF THE MAXIMUM DRY DENSITY.

SUMMARY OF QUANTITIES

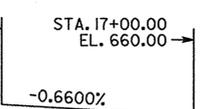
PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
457-1005	98	SY	GEOGRID REINFORCEMENT, TP A
516-1100	95	LF	ALUM HANDRAIL, STD 3626
627-1000	323	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 1
627-1010	1069	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 1
627-1100	25	LF	COPING A, WALL NO - 1
627-1120	99	LF	COPING B, WALL NO - 1
627-1180	130	CY	ADDITIONAL MSE BACKFILL



STATION	ELEVATION
12+00.00	664.70
12+50.00	663.47
13+00.00	662.64

PROPOSED ELEVATIONS AT P.G.L.  
 (INFORMATION BASED ON EXISTING GRADE DATA FROM ROADWAY.)

GRADE DATA



\* EXISTING GROUND LINE AT FRONT FACE OF WALL  
 \*\* PROPOSED GROUND LINE AT FRONT FACE OF WALL

GEORGIA REGISTERED PROFESSIONAL ENGINEER  
 No. 038801  
 P. DIGAN  
 3-4-2011

WALL NO. 1

GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

PLAN AND ELEVATION - WALL NO. 1  
 STA 12+45.00 TO STA 13+69.00

UPSON COUNTY BRN00-0006-04(032)

SCALE: 1" = 10'-0" (UNLESS NOTED OTHERWISE) MAY 2009

DESIGNED	DPD	CHECKED	FAQ	REVIEWED	WMD
DRAWN	DPD	DESIGN GROUP	SWW	APPROVED	FVL

WALL SHEET  
 1 OF 2

3/14/09  
 13562316.lgdot.task.order.slkask.order.#21.final.wed.pn