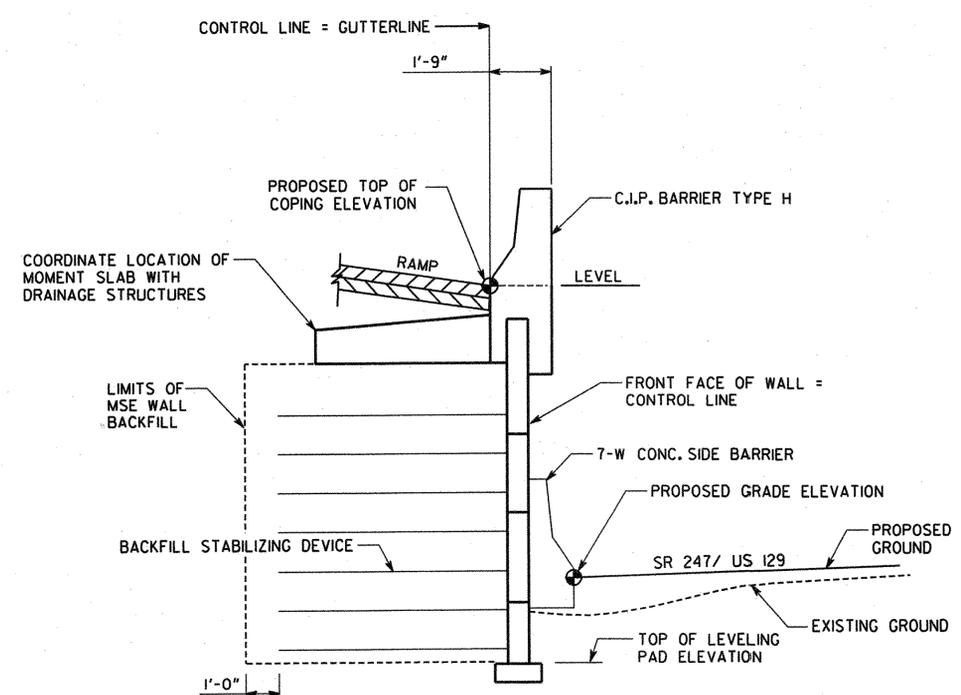


SECTION A-A  
NO SCALE



SECTION D-D  
NO SCALE

**NOTES**

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION AND 2008 SUPPLEMENTAL SPECIFICATIONS, AS MODIFIED BY CONTRACT DOCUMENTS

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.

FINISH - PROVIDE PLAIN CONCRETE FINISH.

GRAFFITI-PROOF COATING - ALL MSE WALL PANELS SHALL HAVE A GRAFFITI-PROOF COATING AS PER SECTION 838 OF THE GEORGIA DOT SPECIFICATIONS.

CONCRETE COVER - MAINTAIN 2 INCHES COVER MINIMUM ON ALL REINFORCING STEEL.

STATIONS AND OFFSETS - STATIONS SHOWN ARE ALONG RAMP B. OFFSETS SHOWN ARE MEASURED TO THE CONTROL LINE. SEE WALL SECTIONS FOR LOCATION OF CONTROL LINE.

STAGE CONSTRUCTION - THE WALL MAY BE CONSTRUCTED IN STAGES TO IMPROVE THE UNDERLYING SOIL BEARING CAPACITY. CONSTRUCT WALL TO A HEIGHT RESULTING IN A SOIL BEARING PRESSURE OF 3000 POUNDS PER SQUARE FOOT, WAIT 30 DAYS, THEN CONSTRUCT ADDITIONAL STAGES OR REMAINDER OF WALL.

TEMPORARY SHORING - PROVIDE TEMPORARY SHORING AS NECESSARY FOR WALL CONSTRUCTION.

JOINTS - PROVIDE 1" EXPANSION JOINT IN COPING OR BARRIER AT EVERY FOURTH PANEL.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND RESEARCH. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

WALL PLANS - THE RETAINING WALL IS CONSIDERED A CONTRACTOR DESIGN. THESE WALL PLANS ARE CONCEPTUAL AND ARE FOR ILLUSTRATIVE PURPOSES ONLY. EXACT NUMBER OF SOIL REINFORCING STRIPS, THEIR LOCATIONS AND LENGTHS SHALL BE PROVIDED BY THE CONTRACTOR FOR THE WALL SYSTEM BID. THE PRESENCE OF THESE CONCEPTUAL PLANS IN THE CONTRACT DOCUMENTS IN NO WAY RELIEVES THE CONTRACTOR FROM PROVIDING A WALL SYSTEM WHICH PROVIDES STRUCTURAL ADEQUACY, IN ACCORDANCE WITH SECTION 627 OF THE GEORGIA DOT SPECIFICATIONS, AT THE BID PRICE.

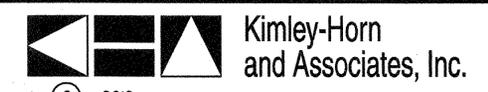
INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF JOINT FILLERS, NEOPRENE PADS, WATERPROOFING AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

**DESIGN DATA (SELECT BACKFILL)**

DESIGN BEARING PRESSURE-----1.5 TONS/SF  
 COHESION ----- 0 PSF  
 ANGLE OF INTERNAL FRICTION ----- 32°  
 SOIL UNIT WEIGHT-----125 PCF  
 COEFFICIENT OF SLIDING FRICTION----- 0.5

**SUMMARY OF QUANTITIES**

ITEM NUMBER	QTY	UNIT	PAY ITEM
627-1000	1,719	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 3
627-1010	6,712	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 3
627-1020	11,722	SF	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 3
627-1030	4,243	SF	MSE WALL FACE, GTR THAN 30 FT HT, WALL NO - 3
627-1100	39	LF	COPING A, WALL NO - 3
627-1160	1,220	LF	TRAFFIC BARRIER H, WALL NO - 3
627-1180	161	CY	ADDITIONAL MSE BACKFILL
627-1000	1,465	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 4
627-1010	4,650	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 4
627-1020	8,025	SF	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 4
627-1030	231	SF	MSE WALL FACE, GTR THAN 30 FT HT, WALL NO - 4
627-1100	39	LF	COPING A, WALL NO - 4
627-1160	803	LF	TRAFFIC BARRIER H, WALL NO - 4
627-1180	161	CY	ADDITIONAL MSE BACKFILL



©, 2012  
 SUITE 220, 2 SUN COURT  
 NORCROSS, GEORGIA 30092-2865

GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

SARDIS CHURCH ROAD EXTENSION  
 RETAINING WALL NO. 3 & 4 DETAILS  
 BIBB COUNTY STP00-0000-00(566)

NO SCALE FEBRUARY 2012

DRAWING NO.  
32 - 9  
 WALL SHEET  
W3-6 OF 8

DATE	REVISIONS

DESIGNED AEN	CHECKED DLS	REVIEWED WMD/WEI
DRAWN KAG	DESIGN GROUP SWW	APPROVED BFR