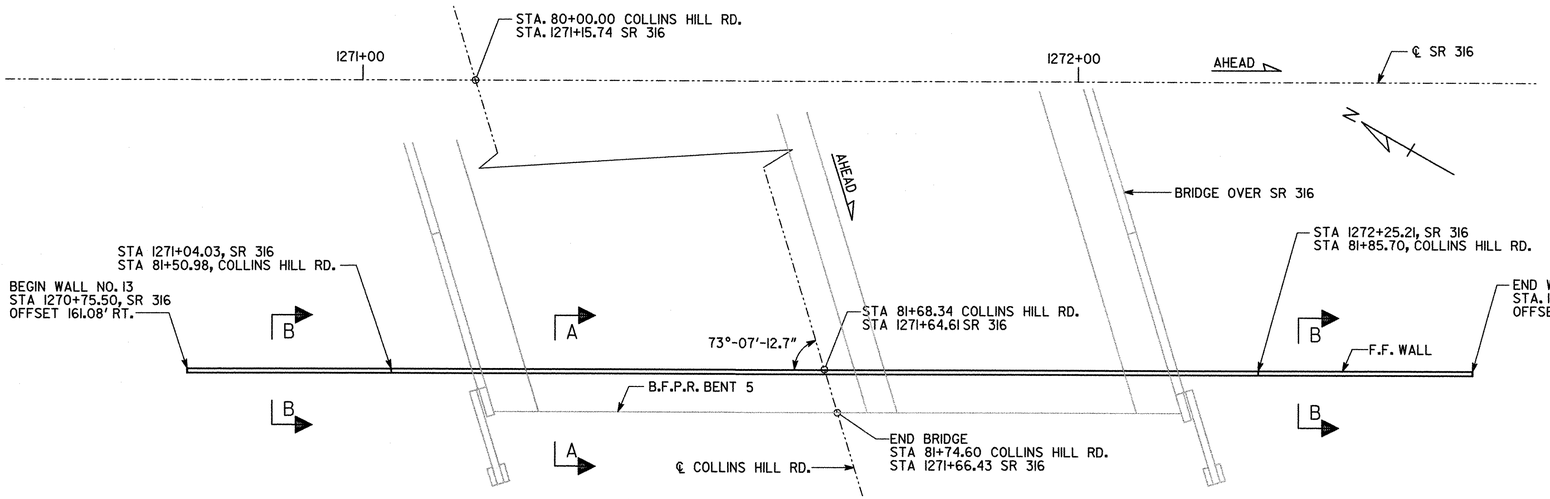
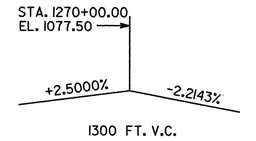
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	MSL00-0004-00(086)	865	1236



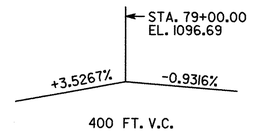
PLAN

SCALE: 1" = 10'-0"



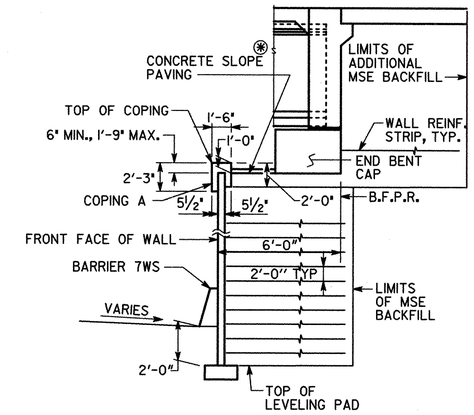
VERTICAL CURVE DATA

(SR 316)



VERTICAL CURVE DATA

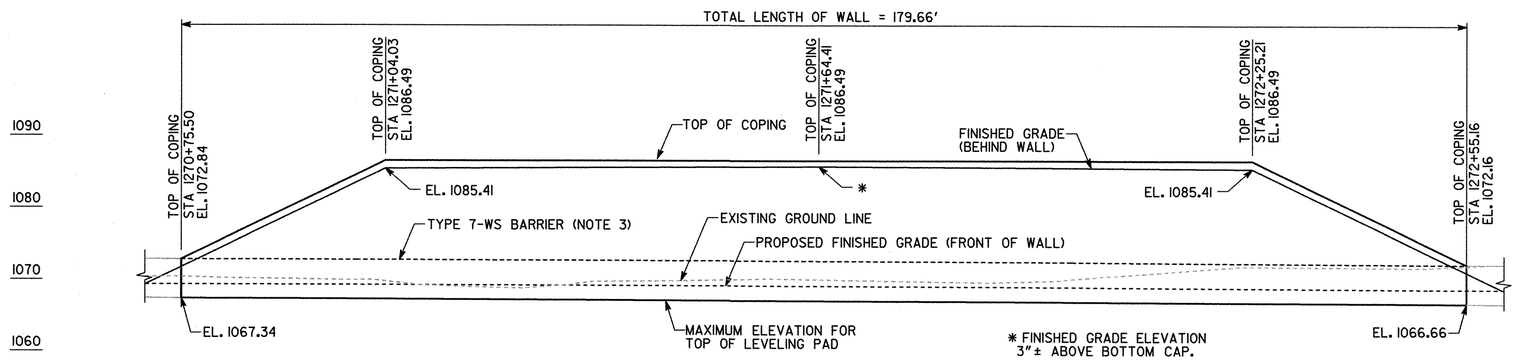
(COLLINS HILL RD.)



(*) SEE ROADWAY PLANS FOR PAYMENT AND DETAILS.

SECTION A-A

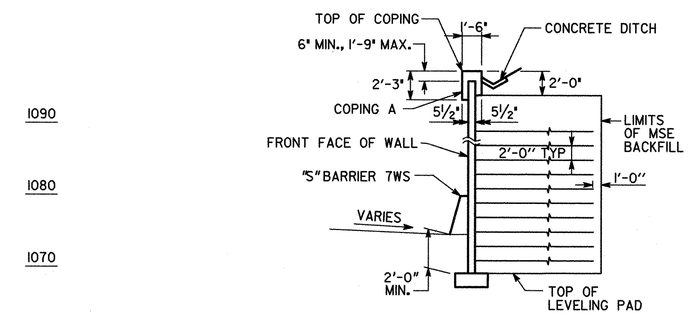
NO SCALE



* FINISHED GRADE ELEVATION 3"± ABOVE BOTTOM CAP.

ELEVATION

SCALE: 1" = 10'-0"
(LOOKING AT BACK FACE OF WALL)



SECTION B-B

NO SCALE

GENERAL 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 ℄ SR 316. OFFSETS SHOWN ARE MEASURED TO THE FRONT FACE OF WALL.

JOINTS - PROVIDE ONE INCH EXPANSION JOINT IN COPING OR BARRIER AT EVERY FOURTH PANEL.

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

DESIGN BEARING PRESSURE	2 KSF
COHESION	0 PSF
ANGLE OF INTERNAL FRICTION	30°
UNIT WEIGHT	120 PCF
COEFFICIENT OF SLIDING FRICTION	0.40

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
627-1000	146	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 13
627-1010	2947	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 13
627-1100	180	LF	COPING A, WALL NO - 13
627-1180	277	CY	ADDITIONAL MSE BACKFILL

NOTES:

1. ELEVATIONS ARE SHOWN AT TOP OF LEVELING PAD AND TOP OF COPING.
2. 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.

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 19029 BARRY L. BROWN
5/9/2011

WALL NO. 13

PBS&J

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

PLAN AND ELEVATION
WALL AT SR 316/EBCD
SR 316 PHASE I

GWINNETT COUNTY MSL00-0004-00(086)

REVISIONS	BY	DATE

DRAWING NO. 32-006
WALL SHEET 6 OF 8

SCALE: AS SHOWN — OCTOBER 2010

DESIGNED YBG — CHECKED BLB — REVIEWED WMD/WEI
DRAWN YBG/CAB — DESIGN GROUP X — APPROVED PVL

1 INCH WHEN PRINTED FULL SIZE

5/6/2011
I:\656892 (sr 316 hov)\phase 1\walls\wall13.dgn