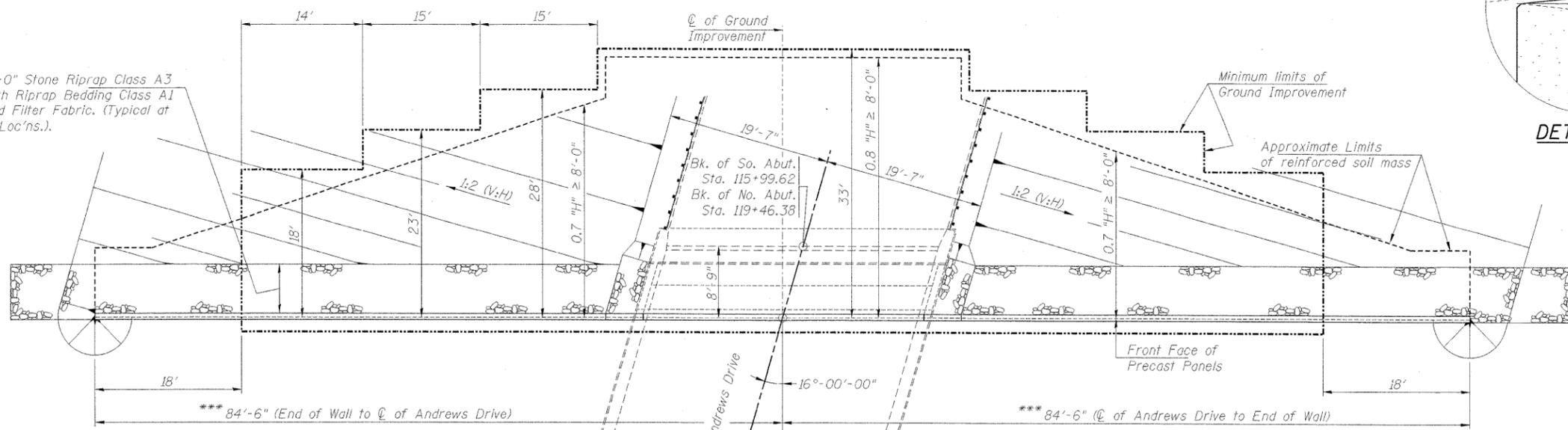


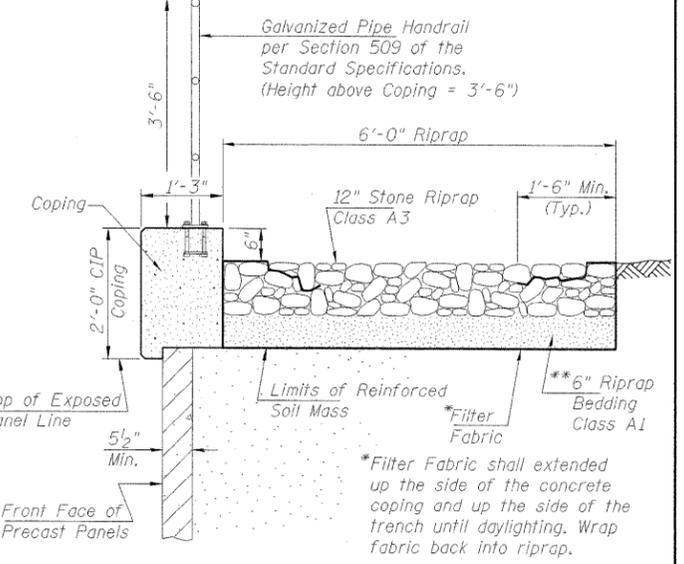
ELEVATION

Dimensions Along Front Face of M.S.E. Wall
(North Wall Looking North - South Wall Similar by rotation)

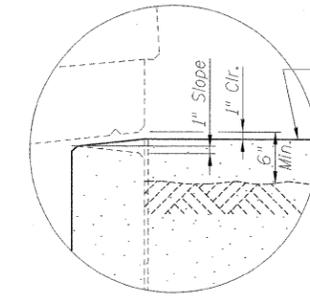


PLAN

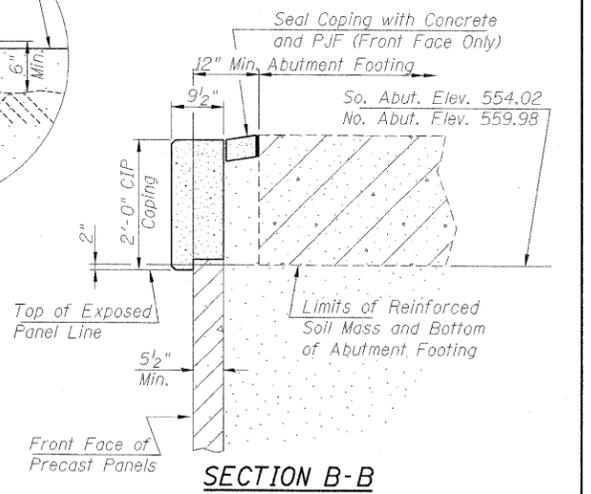
*** Dimensions Along Front Face of M.S.E. Wall
(North Wall Shown - South Wall Similar by rotation)



SECTION A-A



DETAIL 'A'



SECTION B-B

Notes:
Dimensions are based on a M.S.E. minimum Wall thickness of 5 1/2". If the Contractor elects to use a wall supplier with thicker wall units, the dimensions will require adjustment.

GROUND IMPROVEMENT PERFORMANCE REQUIREMENTS

- Post-construction settlement of the M.S.E. wall shall not exceed 2.0 inches.
- Differential settlement along the length of the M.S.E. wall shall not exceed 1.0%.
- Post-construction settlement of the bridge footing shall not exceed 2.0 inches.
- Post-construction settlement of the bridge superstructure, measured at the abutments, shall not exceed 1.0 inch.
- The assumed structure design life for settlement computations shall be 75 years.
- Minimum factor of safety for global stability shall be 1.5.
- See Sheet 24 of 30 for Minimum Required Allowable bearing pressure. F.S. ≥ 2.0 with Stone Column or Rammed Aggregate Pier load test.

M.S.E. WALL - BILL OF MATERIAL

Item	Unit	Quantity
Structure Excavation	Cu. Yd.	1015
Stone Riprap, Class A3	Tons	132
Filter Fabric	Sq. Yd.	264
Pipe Handrail	Foot	289
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	7562
Aggregate Column Ground Improvement	Cu. Yd.	2737

MSE WALL GENERAL PLAN
ANDREWS DRIVE over
U.S. ROUTE 40 ; CSX RR and IL. WESTERN RR
SEC. 99-00036-00-BR
STR. NO. 003-6000
CITY of GREENVILLE
BOND COUNTY
STATION 117+73.00

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JOB NO. 04S2012
DATE 12/10/08

01/20/08
 10/20/08
 10/22/08
 LAYOUT
 DRAWN
 REVIEWED
 01/20/08
 10/20/08
 10/22/08
 MINN
 Red
 Rec
 10/22/08