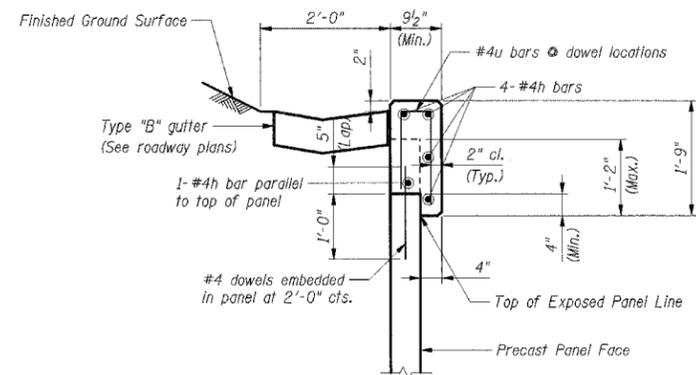


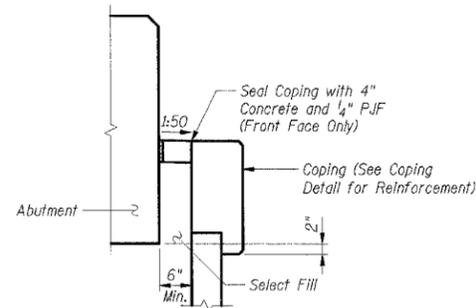
FOR INFORMATION ONLY



COPING DETAIL

The cost of concrete and reinforcement for coping shall be included with Mechanically Stabilized Earth Retaining Wall.

The cost of 4" concrete seal and 1/4" PJF shall be included with Mechanically Stabilized Earth Retaining Wall.

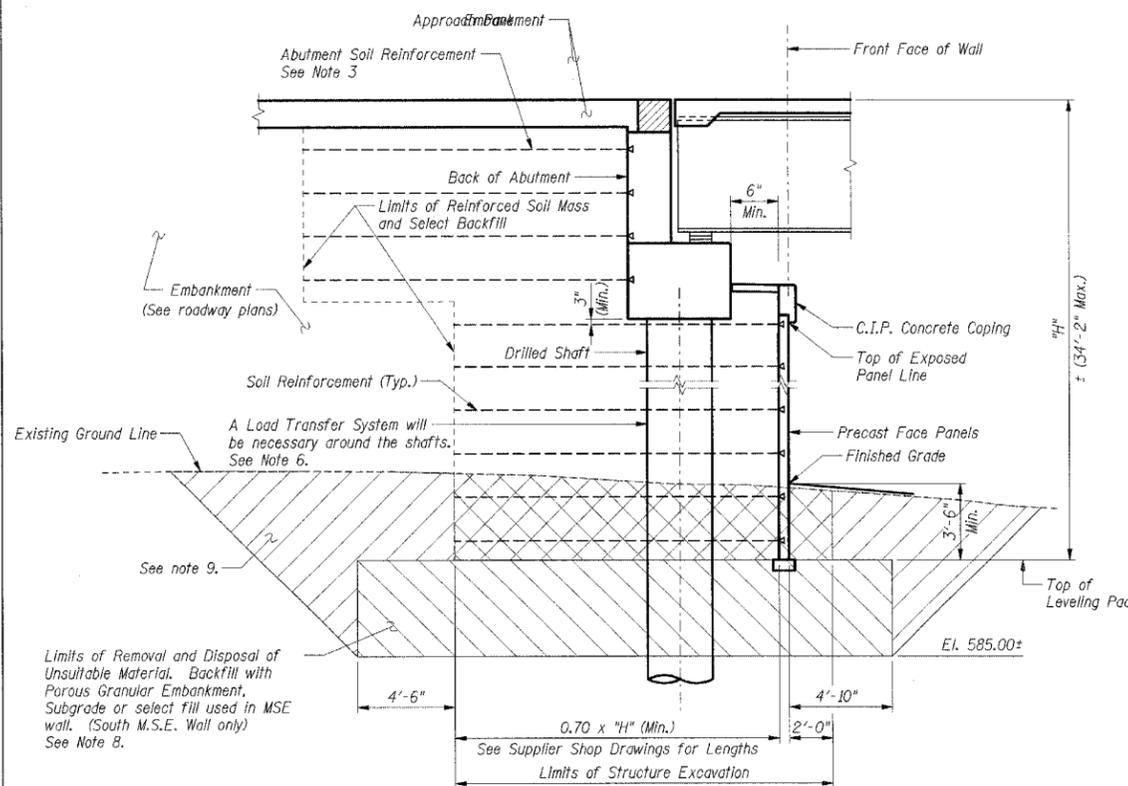


ABUTMENT DETAIL

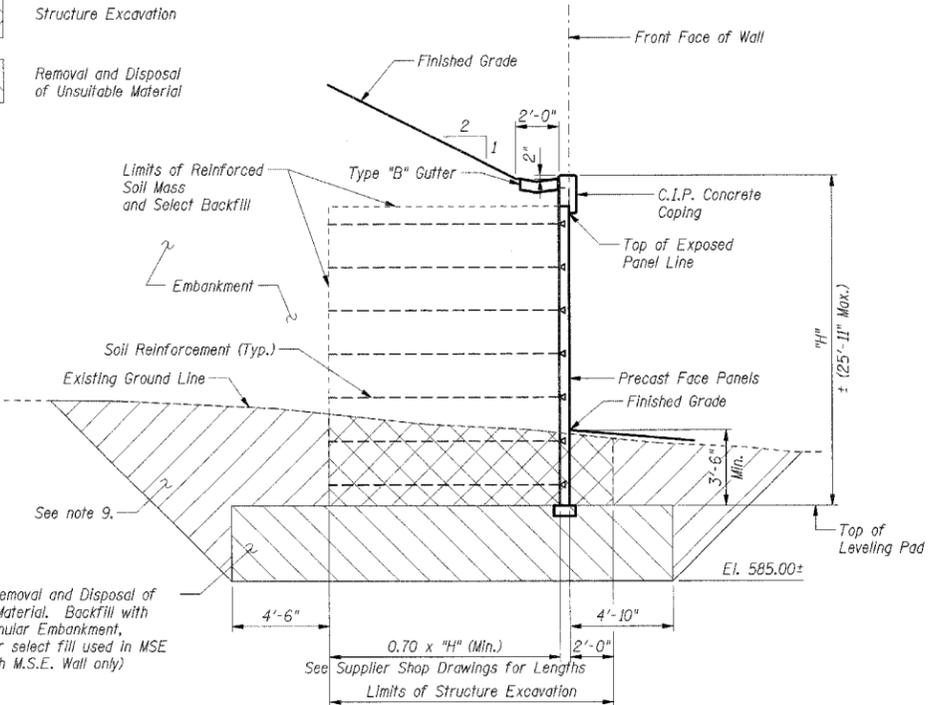
LEGEND

- Overexcavation
- Structure Excavation
- Removal and Disposal of Unsuitable Material

- Notes:**
1. Work this sheet with Sht. S-21.
 2. For plans of walls, see Sht. S-1.
 3. MSE Wall supplier shall design and supply system to transfer earth pressure of 40 pcf equivalent fluid weight to the back of abutment and backwall, plus a longitudinal force of 15.5 k transmitted by the bearings applied to the bridge seats.
 4. Finish grade indicated is finished grade line at front face of the wall.
 5. Drilled Shafts shall be constructed prior to placement of reinforced select backfill.
 6. MSE Wall supplier to design load transfer system to accommodate drilled shafts.
 7. Wall alignment stations and offsets are referenced to front face of wall. See typical section this sheet.
 8. Unsuitable material shall be removed from within the limits shown at a minimum and as directed by the Engineer; and backfilled with Porous Granular Embankment, Subgrade. Removal and Disposal of Unsuitable Material will be measured in its original position by taking cross-sections after removal has been completed and then computing volume in cubic yards by average end area method. Porous Granular Embankment, Subgrade will be paid for at the same volume as Removal and Disposal of Unsuitable Material. Pavement removal will be measured and paid for separately, and shall not be included for payment with Removal and Disposal of Unsuitable Material.
 9. Overexcavation beyond structure excavation and removal of unsuitable material. This area not measured for payment. Backfill overexcavation with same material used for Porous Granular Embankment, Subgrade or select fill used in MSE wall.



SECTION THRU ABUTMENT



SECTION THRU M.S.E. WALL

BILL OF MATERIAL

Item	Unit	Total
Removal and Disposal of Unsuitable Material	Cu Yd	898
Porous Granular Embankment, Subgrade	Cu Yd	898
Structure Excavation	Cu Yd	1,104
Mechanically Stabilized Earth Retaining Wall	Sq Ft	6,676

SHT. S-22 OF S-24

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 338 (ILLINOIS ROUTE 59)
 IL ROUTE 59 OVER F.A.I. 55 (I-55)
 SECTION (26, 26HB-1 & 114) R-2
 STRUCTURE NUMBER 099-4642
 STATION 8021+17.13, WILL COUNTY

MSE WALL DETAILS
 AND BILL OF MATERIAL

DATE: 03/14/08
 DRAWN BY: CCE
 CHECKED BY: TMH

TENG

TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 305 N. MICHIGAN AVE. CHICAGO, IL 60606
 TEL: 312.587.1000 FAX: 312.587.1001

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