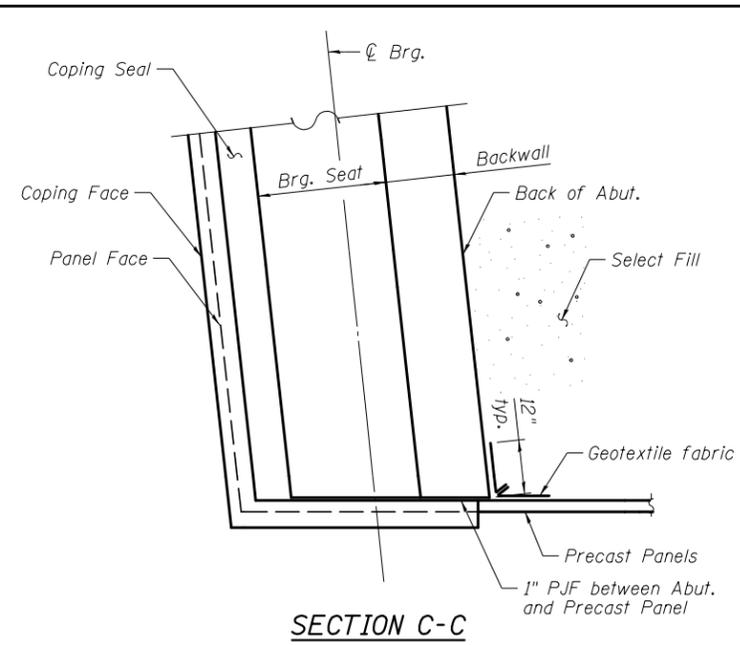
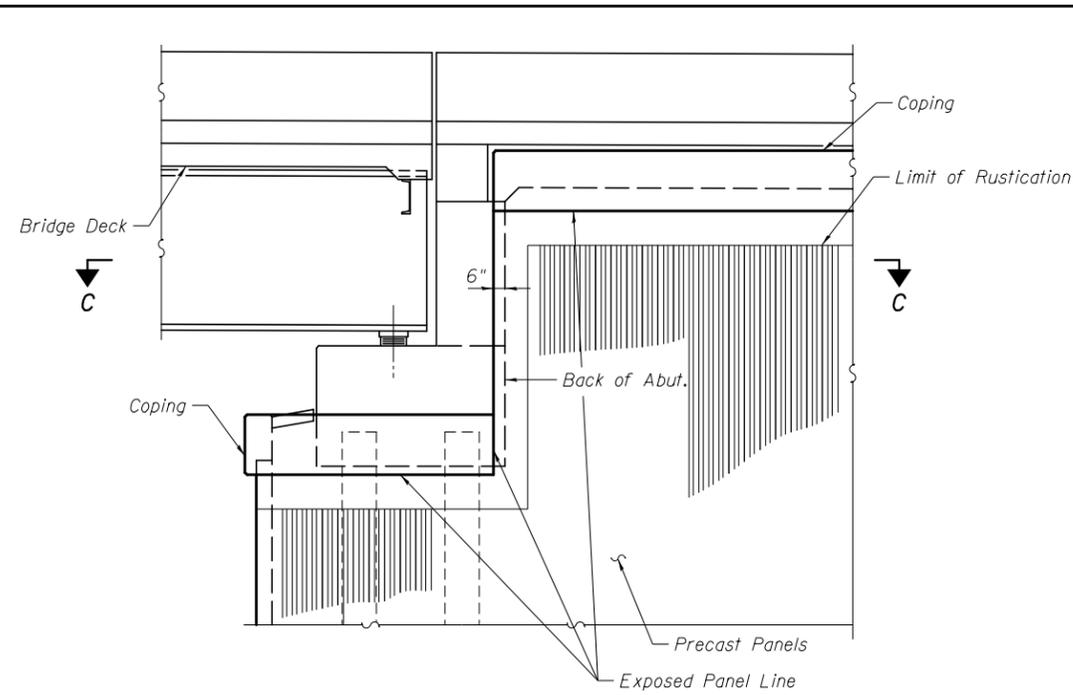


3/23/2012 12:29:47 PM

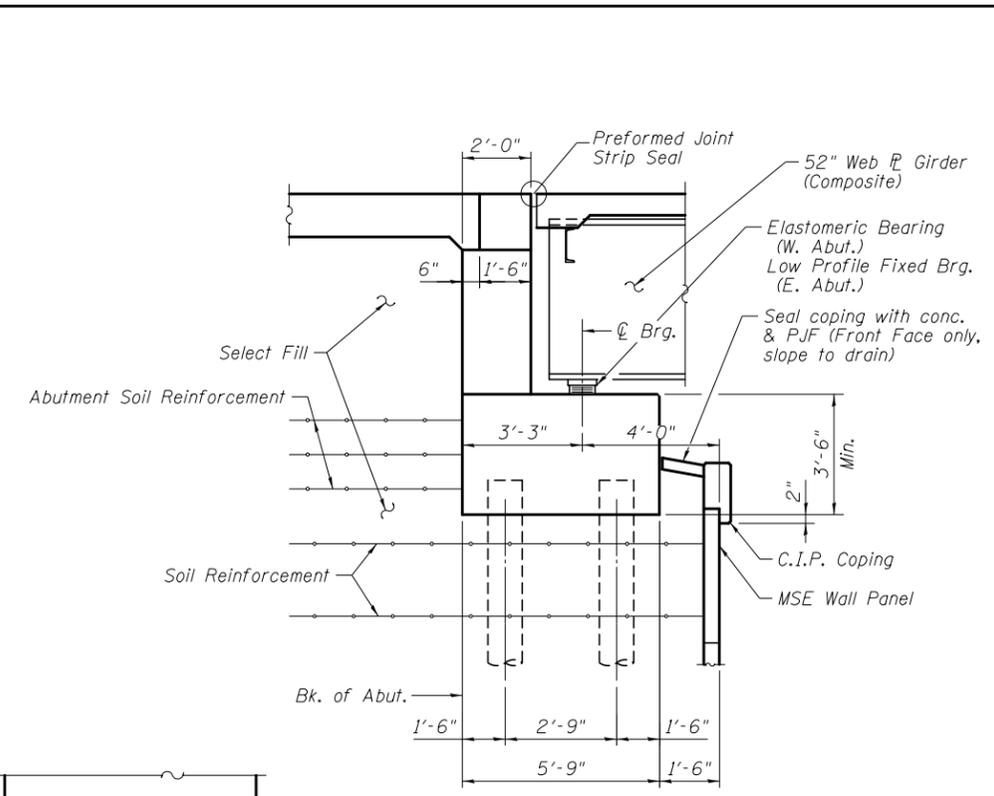
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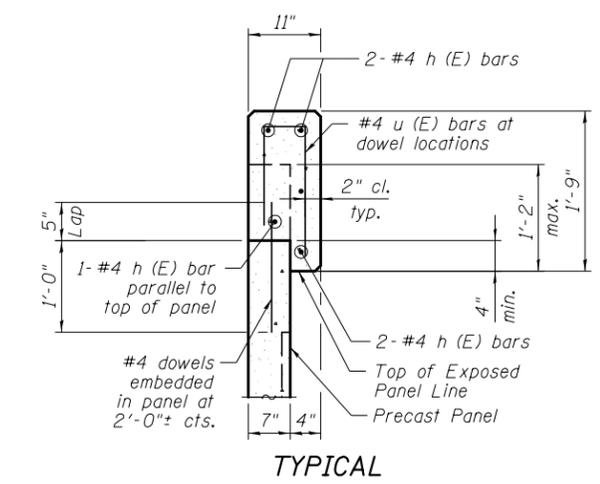
SECTION C-C



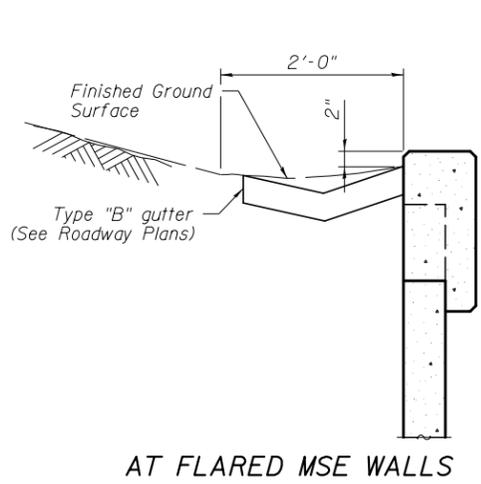
END VIEW OF EAST ABUTMENT



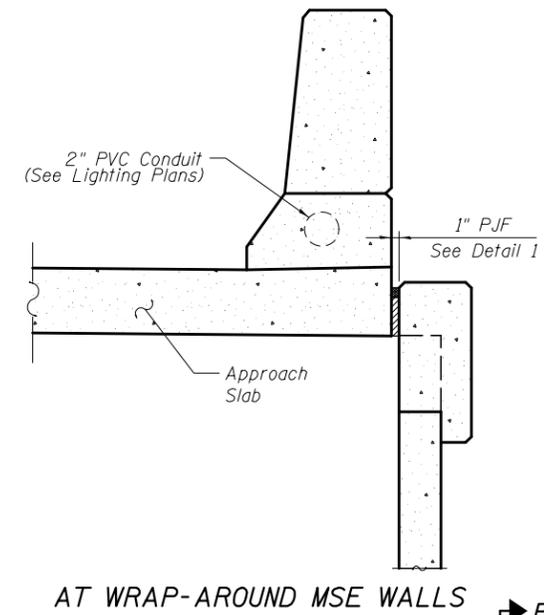
SECTION THRU ABUTMENT  
(Horizontal Dimensions @ Rt. L's)



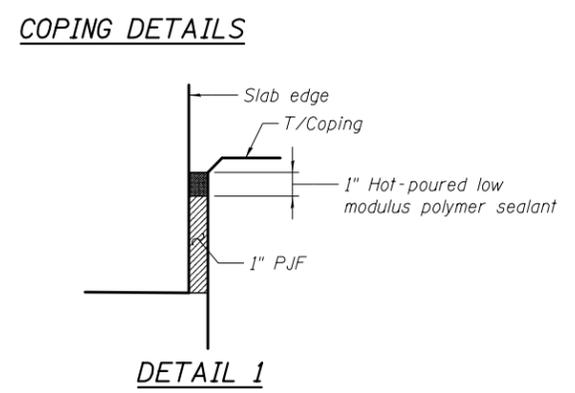
TYPICAL



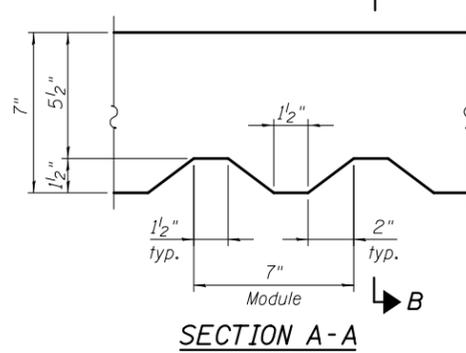
AT FLARED MSE WALLS



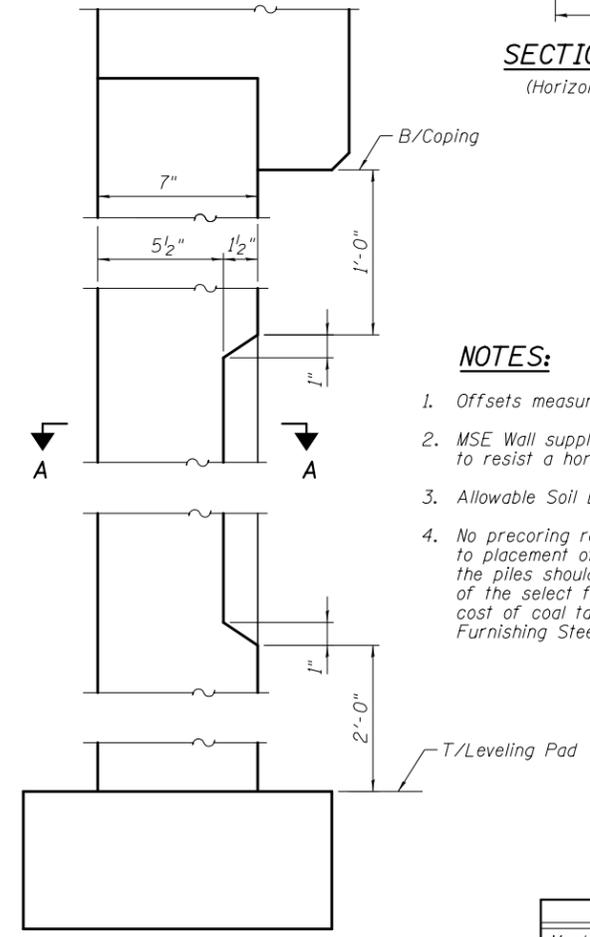
AT WRAP-AROUND MSE WALLS



DETAIL 1



SECTION A-A



SECTION B-B

**NOTES:**

1. Offsets measured from  $\phi$  of Russell Rd.
2. MSE Wall supplier shall design the abutment soil reinforcement to resist a horizontal force of 2.0 kip/ft of abutment.
3. Allowable Soil Bearing Capacity for the MSE Wall = 4.0 Ksf.
4. No precoring required at the abutments. Piles shall be driven prior to placement of the reinforced select backfill. After driving piles, the piles should be coated with coal tar epoxy from the bottom of the select fill to 1 inch above the base of the abutments. The cost of coal tar epoxy coating shall be included with the cost of Furnishing Steel Piles HP

**BILL OF MATERIAL**

Item	Unit	Quantity
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	9,009
Structure Excavation	Cu. Yd.	2,159

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

FILE NAME =	USER NAME =	DESIGNED - MRM	REVISED -
		CHECKED - TL	REVISED -
		PLOT SCALE = N.T.S.	REVISED -
		DRAWN - MTR	REVISED -
		CHECKED - SF	REVISED -
		PLOT DATE = 3/23/2012	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MSE WALL DETAILS  
STRUCTURE NO. 049-0533

SHEET NO. S-24 OF S-33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1199	49-1(HB & HB-1R)	LAKE	225	138
CONTRACT NO. 60L76				

ILLINOIS FED. AID PROJECT