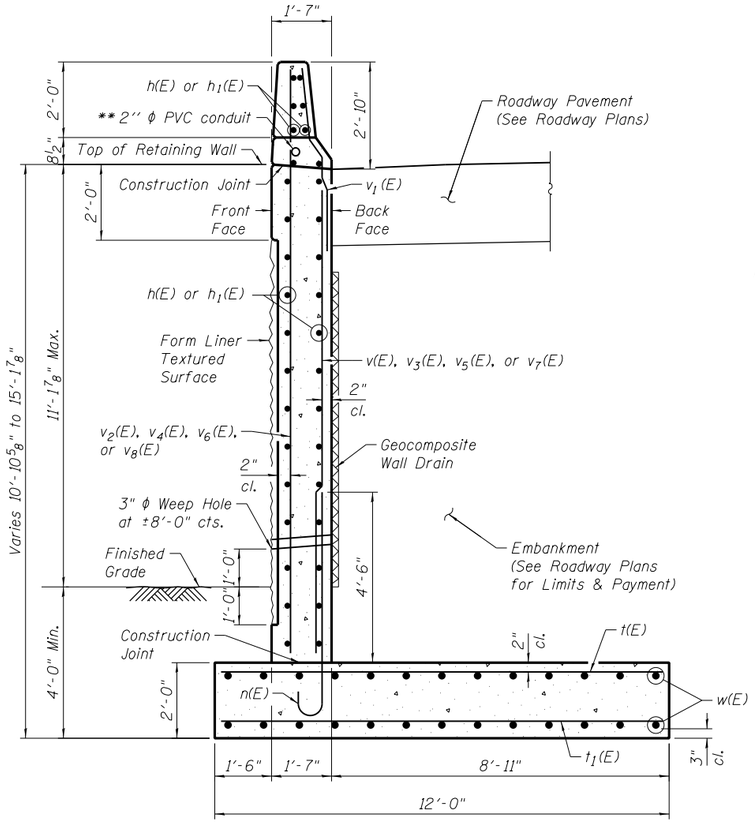
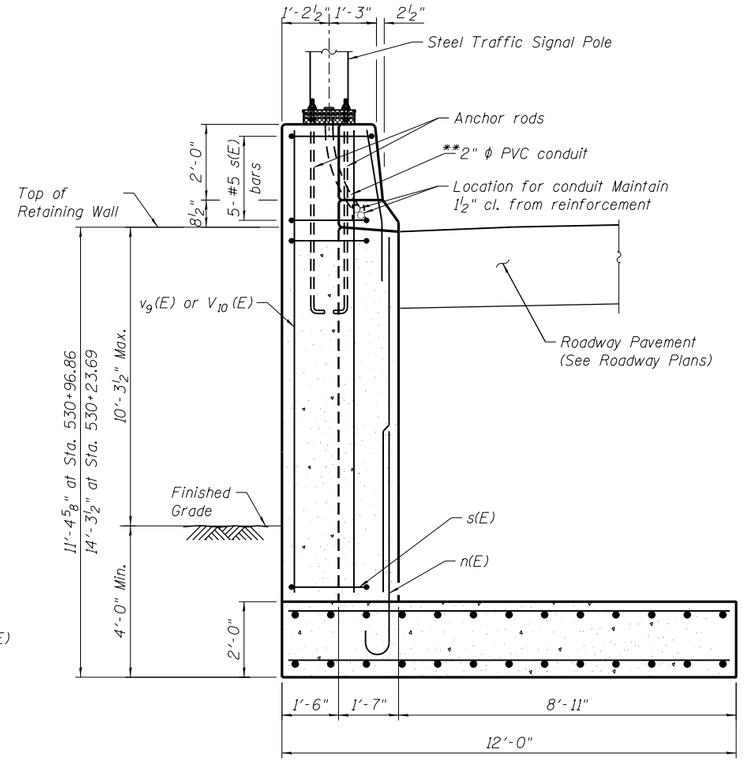
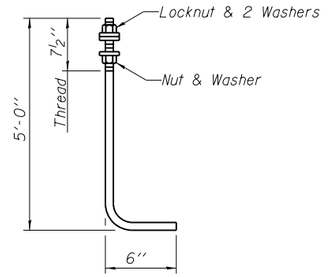


SECTION M-M

Maximum Applied Bearing Pressure = 4,100 psf
Maximum Allowable Bearing Pressure = 7,000 psf



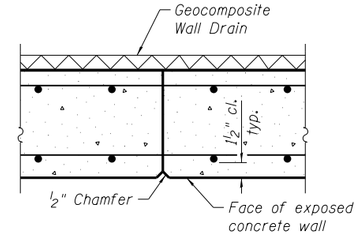
SECTION N-N



ANCHOR ROD - 1½" ϕ

(ASTM F 1554 Grade 105) Full length hot dipped galvanized

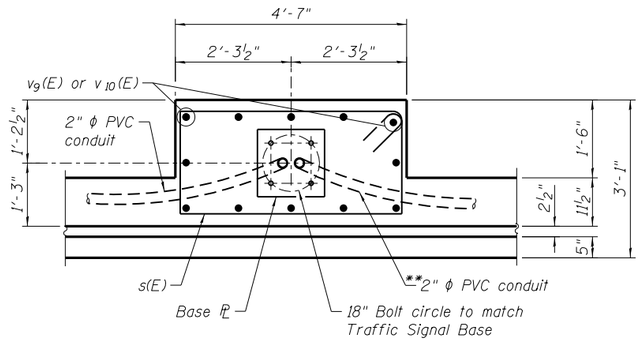
Cost of anchor rods is included with Concrete Structures.



CONSTRUCTION JOINT

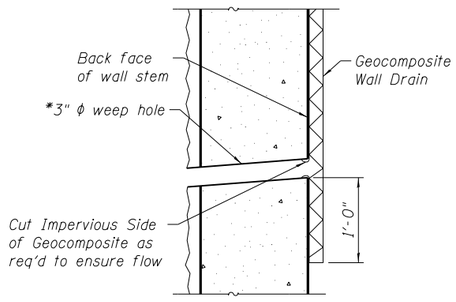
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	90	# 4	27'-10"	
h1(E)	34	# 4	25'-2"	
n(E)	108	# 7	7'-1"	
s(E)	44	# 5	13'-7"	
t(E)	138	# 6	11'-6"	
t1(E)	138	# 5	11'-6"	
v(E)	27	# 6	8'-5"	
v1(E)	104	# 6	8'-2"	
v2(E)	54	# 4	7'-4"	
v3(E)	27	# 6	9'-6"	
v4(E)	54	# 4	7'-10"	
v5(E)	27	# 6	10'-7"	
v6(E)	54	# 4	8'-5"	
v7(E)	27	# 6	11'-8"	
v8(E)	54	# 4	8'-11"	
v9(E)	12	# 6	14'-8"	
v10(E)	12	# 6	11'-9"	
w(E)	104	# 5	27'-11"	
Concrete Structures		Cu. Yd.	155.1	
Reinforcement Bars, Epoxy Coated		Pound	16,060	
Form Liner Textured Surface		Sq. Ft.	791	
Geocomposite Wall Drain		Sq. Yd.	66	



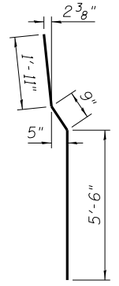
TRAFFIC SIGNAL BASE DETAIL

** See Traffic Signal Plans

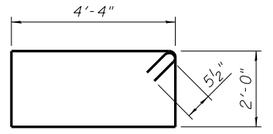


* Weep hole spacing shall be at ±8'-0" horizontally.

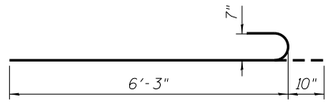
WEEP HOLE DRAIN DETAIL



BAR v1(E)



BAR s(E)



BAR n(E)

NOTE:

Form Liner to be Ashlar Stone Form Liner to match Form Liner used on MSE Wall panels.

N:\PROJ\0003393.00\CONTRACT 1\Design\Structural\CAD\Retaining Wall 081-7003\081-7003_16_CIP Retaining Wall Details 2.dgn

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USER NAME = mteng	DESIGNED - BWS	REVISED -	
	CHECKED - SMY	REVISED -	
PLOT SCALE = 20.0 '/ in.	DRAWN - RD	REVISED -	
PLOT DATE = 3/11/2013	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIP RETAINING WALL DETAILS 2
STRUCTURE NO. 081-7003
SHEET NO. SB-16 OF SB-21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	(142-1)IR-1 and 142-1HB	ROCK ISLAND	507	358
		CONTRACT NO. 64B84		
		ILLINOIS FED. AID PROJECT		