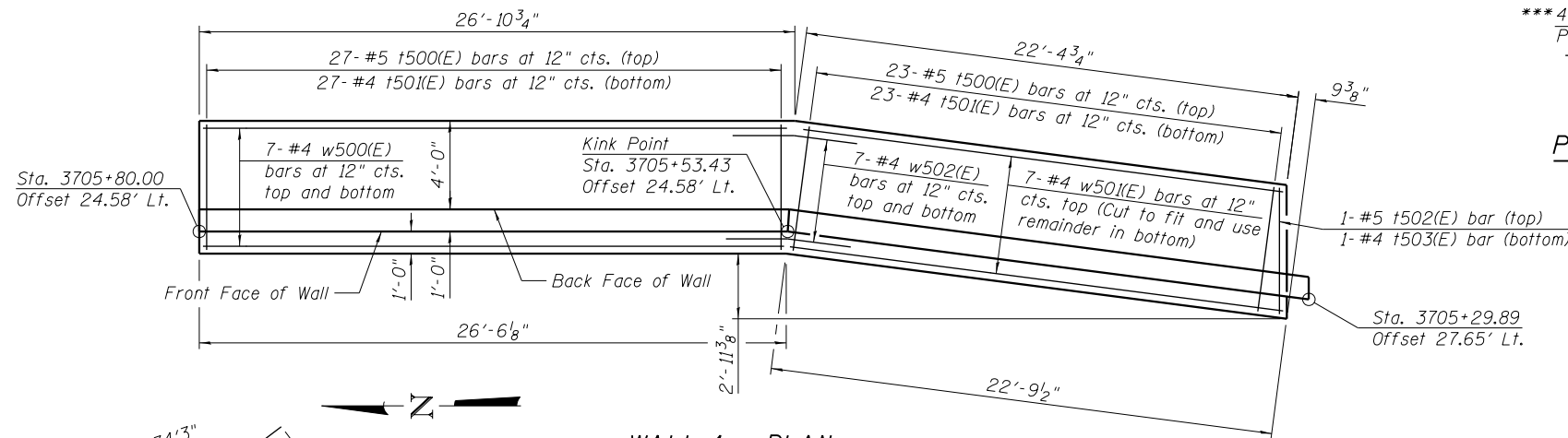
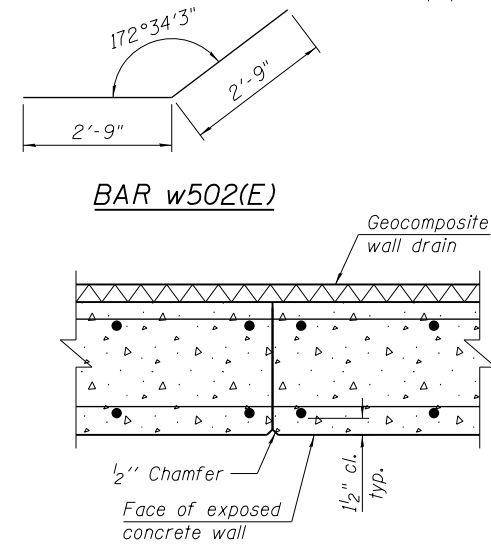


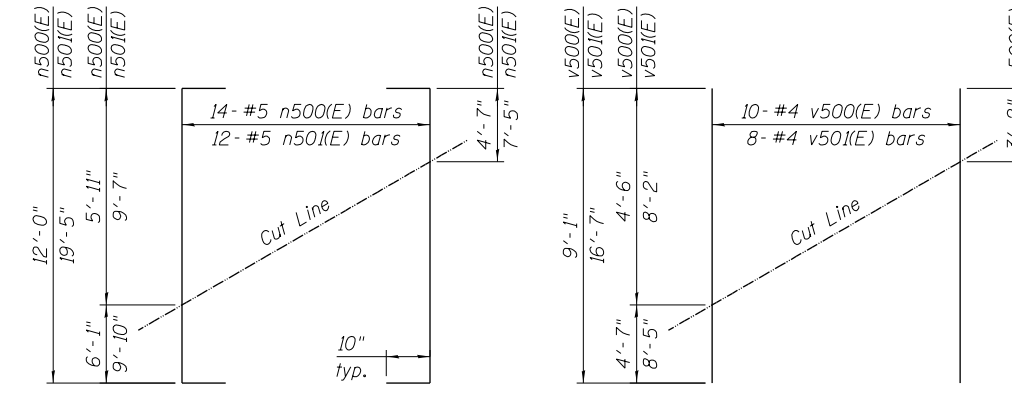
WALL 1 - ELEVATION
(Looking East)



WALL 1 - PLAN

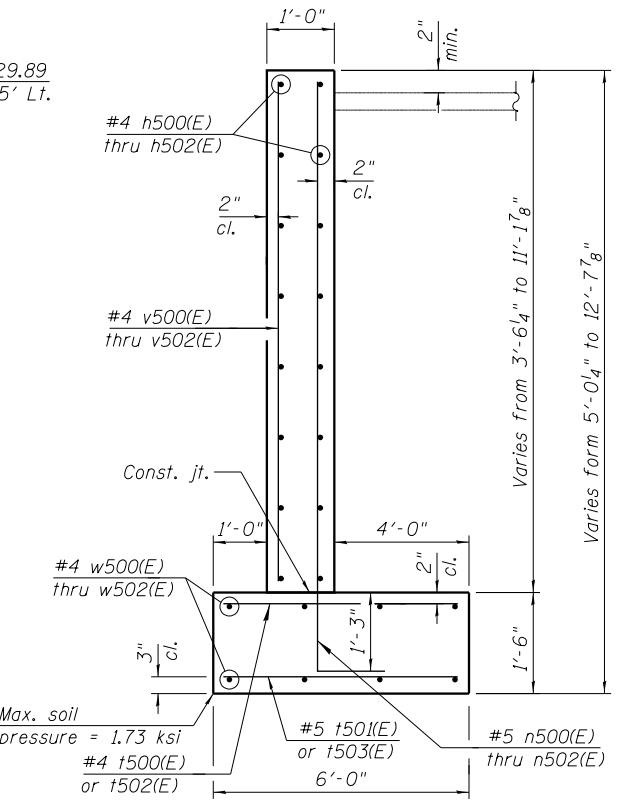


CONSTRUCTION JOINT DETAIL



FIELD CUTTING DIAGRAM
Order bars full length.

FIELD CUTTING DIAGRAM
Order bars full length.

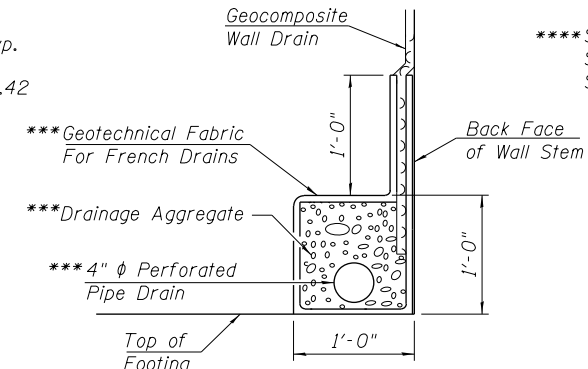


SECTION A-A

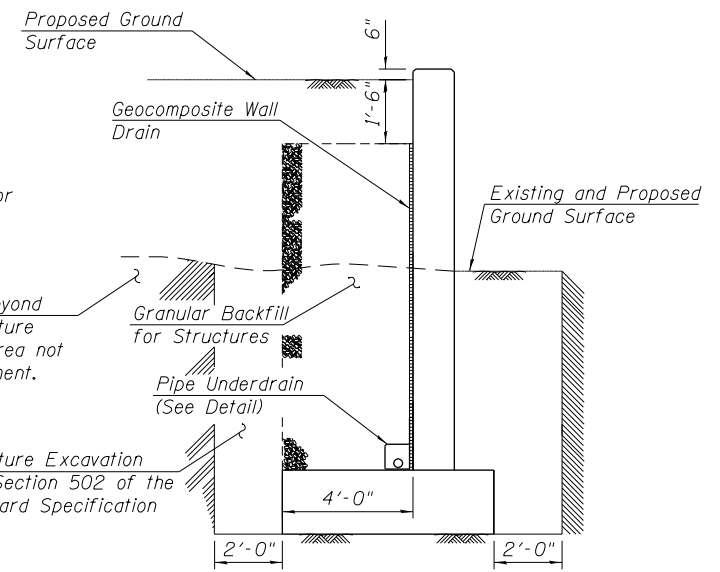
*** Included in the cost of Pipe Underdrains for Structures 4".
**** Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.

**** Over excavation beyond the limits of structure excavation. This area not measured for payment.

**** Structure Excavation See Section 502 of the Standard Specification



PIPE UNDERDRAIN DETAIL



SECTION THRU WALL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h500(E)	10	#4	29'-4"	—
h501(E)	10	#4	22'-5"	—
h502(E)	10	#4	23'-11"	—
n500(E)	14	#5	13'-8"	┌
n501(E)	12	#5	21'-1"	┌
n502(E)	1	#5	4'-7"	—
v500(E)	10	#4	9'-1"	—
v501(E)	8	#4	16'-7"	—
v502(E)	1	#4	4'-7"	—
t500(E)	50	#5	5'-8"	—
t501(E)	50	#4	5'-8"	—
t502(E)	1	#5	5'-11"	—
t503(E)	1	#4	5'-11"	—
w500(E)	14	#4	26'-7"	—
w501(E)	14	#4	22'-1"	—
w502(E)	14	#4	5'-6"	┘
Structure Excavation		Cu. Yd.	75	
Concrete Structures		Cu. Yd.	28.9	
Reinforcement Bars, Epoxy Coated		Pound	2,130	
Concrete Sealer		Sq. Ft.	337	
Geocomposite Wall Drain		Sq. Yd.	37	
Granular Backfill For Structures		Cu. Yd.	36	
Pipe Underdrains For Structures 4"		Foot	51	

**Cut to fit in field

10:34:31 AM 0161708-GOW29-S165-RetWall_SED.dgn



USER NAME = BAWIort	DESIGNED WJC	REVISED 12/18/2013 WJC/MDS
PLOT SCALE = 8x0.0000 ' / in.	CHECKED MDS	REVISED
PLOT DATE = 12/19/2013	DRAWN WJC	REVISED
	CHECKED MDS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL 1
DETAILS

SHEET NO. 2 OF 2 SHEETS

MUN 2090	SECTION 2013-011R	COUNTY COOK	TOTAL SHEETS 356	SHEET NO. 189
CONTRACT NO. 60W29			ILLINOIS FED. AID PROJECT	