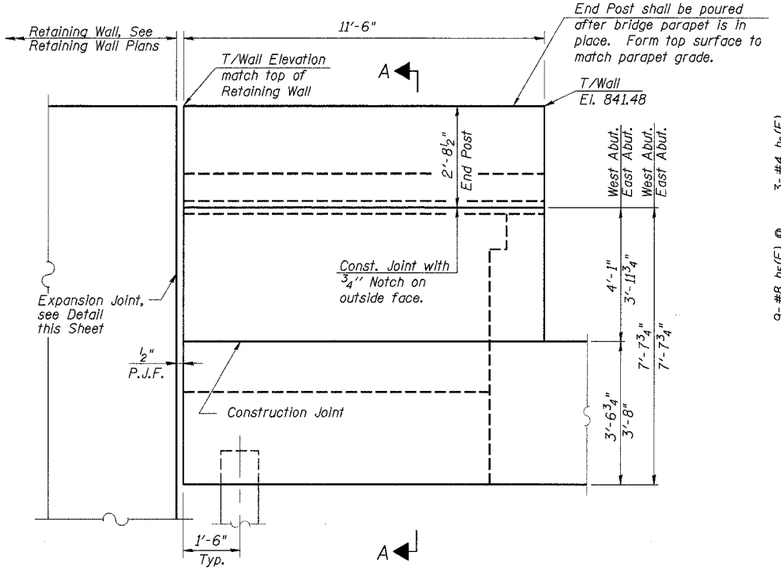
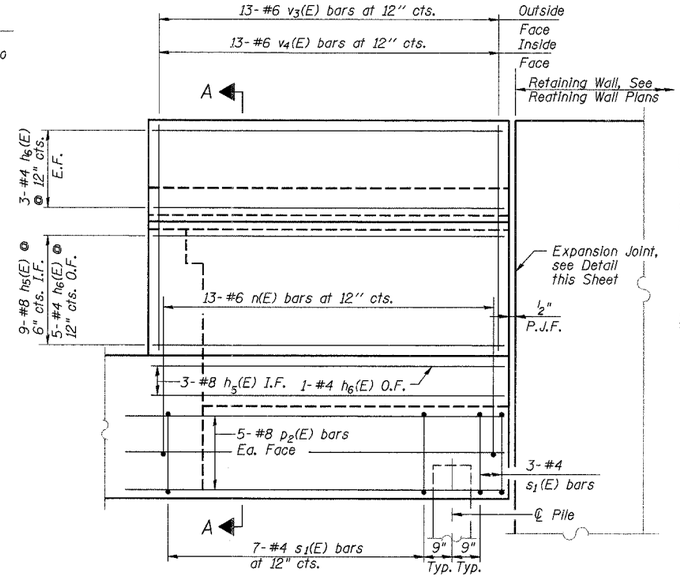


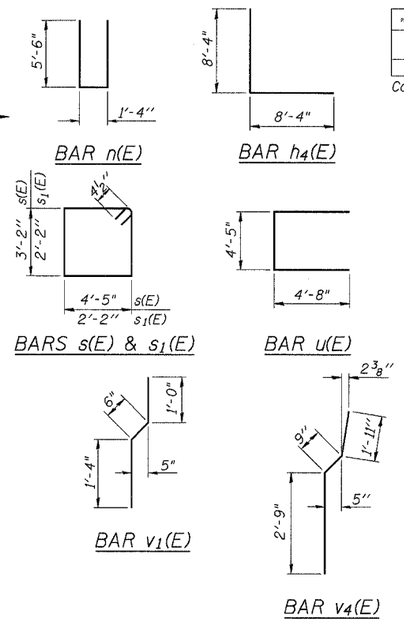
WINGWALL ELEVATION

Showing Dimensions



WINGWALL ELEVATION

Showing Reinforcement



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-2-1-1	McHenry	13	13
FED. ROAD DIST.	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 11 OF 11 SHEETS

Contract #60D58

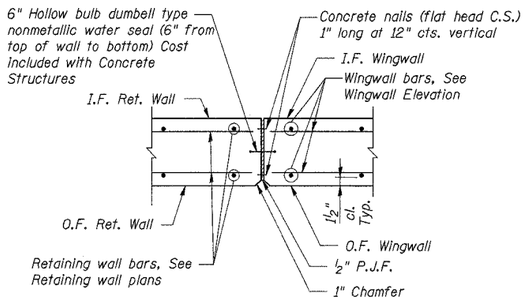
ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	16	#5	22'-3"	
h_1(E)	16	#5	20'-3"	
h_2(E)	10	#6	20'-8"	
h_3(E)	10	#6	18'-8"	
h_4(E)	80	#8	16'-8"	
h_5(E)	48	#8	11'-2"	
h_6(E)	48	#4	11'-2"	
n(E)	52	#6	12'-4"	
p(E)	16	#7	22'-3"	
p_1(E)	16	#7	20'-3"	
p_2(E)	40	#8	13'-10"	
s(E)	136	#4	15'-11"	
s_1(E)	40	#4	9'-5"	
u(E)	16	#6	13'-9"	
v(E)	82	#5	2'-4"	
v_1(E)	82	#4	2'-10"	
v_2(E)	164	#4	5'-6"	
v_3(E)	52	#6	5'-7"	
v_4(E)	52	#6	5'-5"	
Porous Granular Embankment (Special)		CU YD	108	
Stone Riprap		SQ YD	641	
Filter Fabric		SQ YD	756	
Structure Excavation		CU YD	235	
Concrete Structures		CU YD	92.7	
Reinforcement Bars, Epoxy Coated		LB	14,330	
Bar Splicers		EACH	124	
Furnishing Metal Shell Piles 14"		FOOT	1,908	
Driving Piles		FOOT	1,908	
Test Pile Metal Shells		EACH	2	
Temporary Sheet Piling		SQ FT	1,244	
Concrete Sealer		SQ FT	927	
Geocomposite Wall Drain		SQ YD	77	
Pipe Underdrains for Structures 4"		FOOT	123	

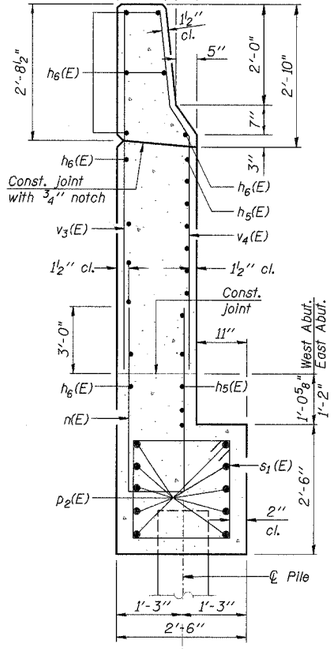
For details of Bar Splicers, see Sheet 18 of 21.
For details of Piles, see Sheet 17 of 21.

Note:

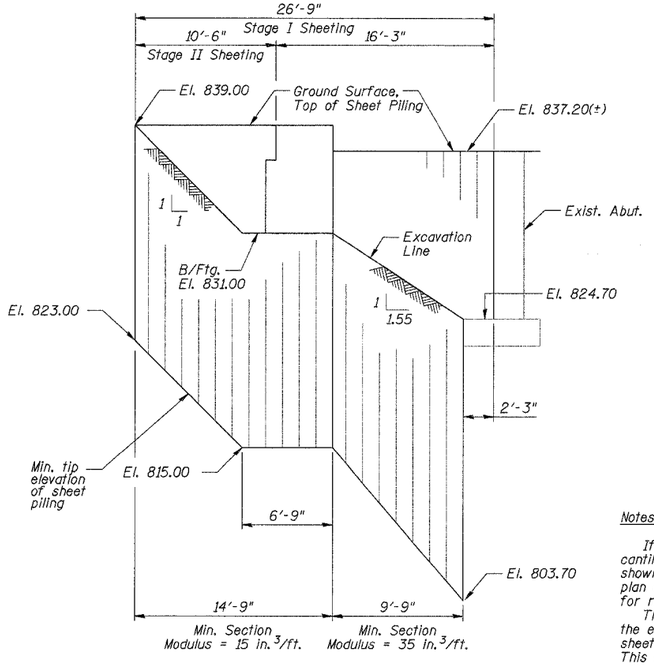
Quantity of concrete in end post included with Concrete Superstructure on Sheet 10 of 21.



EXPANSION JOINT DETAIL



SECTION A-A



TEMP. SHEET PILING ELEVATION AT ABUT.

Notes:

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

The contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

FOR INFORMATION ONLY

DESIGNED	J.Z.
CHECKED	S.D.H.
DRAWN	M.S.M.
CHECKED	S.D.H.

ABUTMENT WINGWALL AND DETAILS
IL Route 176 over the Kishwaukee River
F.A.P. RTE 533, SECTION 119R-2-1-1
McHENRY COUNTY
STATION 10+00.00
S.N. 056-0078

DATE: 08-17-07

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC
CHICAGO ILLINOIS

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