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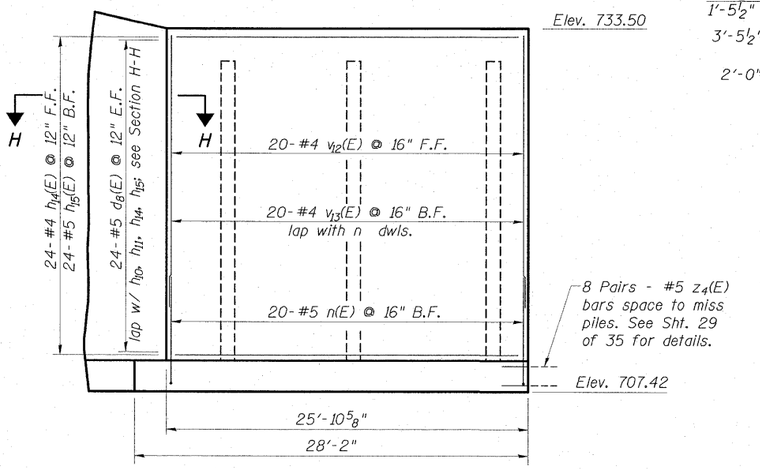
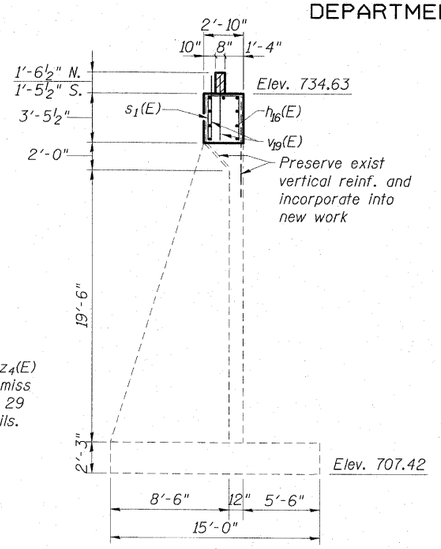
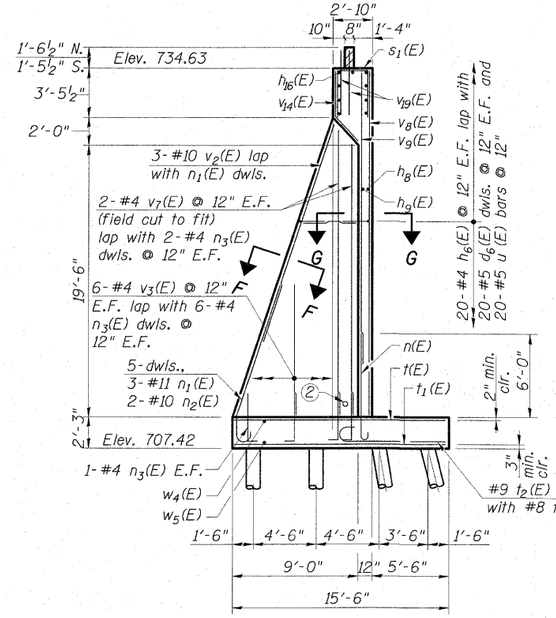
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



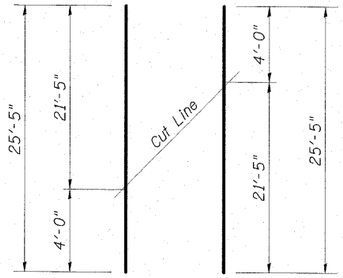
SECTION A-A



SECTION B-B



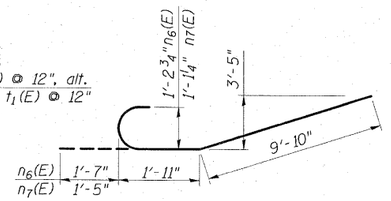
SECTION C-C



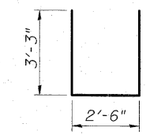
BAR v_{16}(E)

FIELD CUTTING DIAGRAM

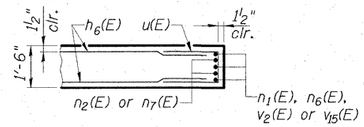
Order v_{16}(E) full length. Cut as shown and use remainder of bars in opposite wingwall.



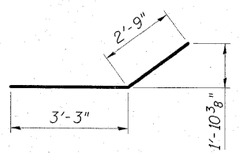
BARS n_6(E) & n_7(E)



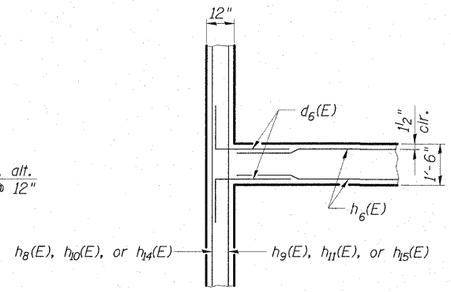
BAR s_1(E)



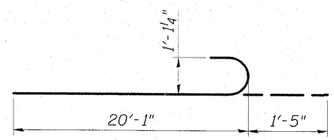
SECTION F-F



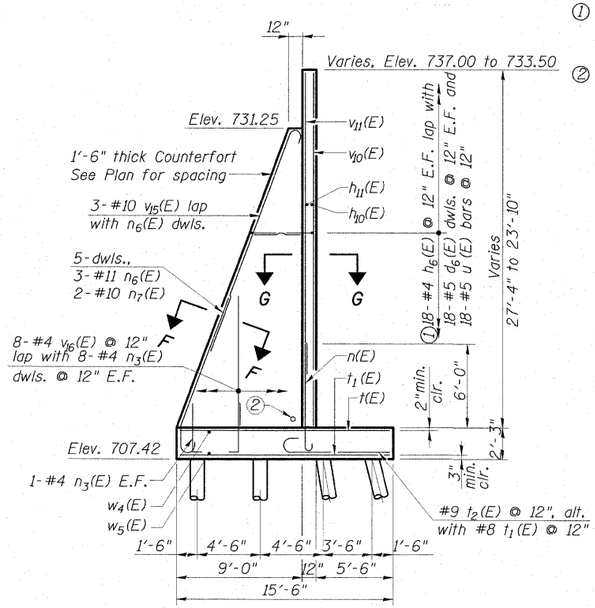
BAR v_{14}(E)



SECTION G-G



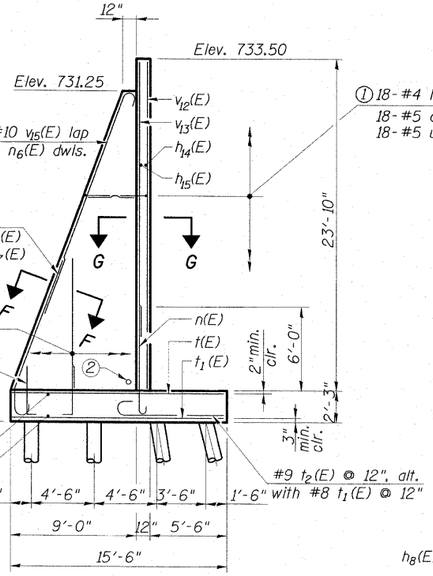
BAR v_{15}(E)



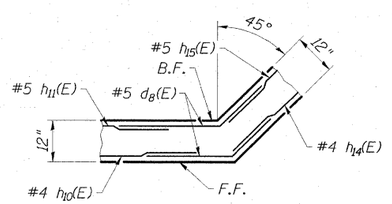
SECTION D-D

① Provide 1 - add'l v(E) & 2 - add'l d_3(E) 12" above last h_6(E)

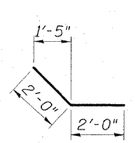
② Formed hole for 4" dia. Pipe Drain



SECTION E-E



SECTION H-H



BAR d_8(E)

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d_5(E)	230	#5	3'-6"	L
d_7(E)	4	#5	6'-8"	
d_8(E)	48	#5	4'-0"	L
h_6(E)	110	#4	10'-6"	
h_8(E)	22	#4	15'-9"	
h_9(E)	22	#5	15'-9"	
h_{10}(E)	24	#4	17'-3"	
h_{11}(E)	24	#5	16'-6"	
h_{12}(E)	4	#4	14'-9"	
h_{13}(E)	4	#5	14'-9"	
h_{14}(E)	24	#4	25'-7"	
h_{15}(E)	24	#5	24'-10"	
h_{16}(E)	36	#5	25'-6"	
n (E)	43	#5	8'-7"	
n_1(E)	3	#11	13'-4"	
n_2(E)	2	#10	13'-2"	
n_3(E)	108	#4	4'-0"	
n_6(E)	15	#11	13'-4"	
n_7(E)	10	#10	13'-2"	
s_1(E)	97	#4	9'-0"	
t (E)	56	#6	15'-2"	
t_1(E)	48	#8	15'-2"	
t_2(E)	34	#9	8'-8"	
t_5(E)	5	#9	11'-0"	
u (E)	115	#5	5'-3"	
v_2(E)	3	#10	20'-9"	
v_3(E)	6	#4	23'-9"	
v_7(E)	4	#4	20'-4"	
v_8(E)	13	#4	24'-8"	
v_9(E)	13	#4	20'-2"	
v_{10}(E)	14	#4	27'-2"	
v_{11}(E)	14	#4	22'-6"	
v_{12}(E)	20	#4	23'-8"	
v_{13}(E)	20	#4	19'-0"	
v_{14}(E)	16	#4	6'-0"	
v_{15}(E)	15	#10	21'-6"	
v_{16}(E)	40	#4	25'-5"	
v_{19}(E)	194	#5	4'-0"	
w_4(E)	16	#7	31'-7"	
w_5(E)	16	#6	31'-7"	
w_6(E)	16	#7	27'-11"	
w_7(E)	16	#6	27'-11"	
Concrete Structures		Cu. Yd.	192.7	
Reinforcement Bars, Epoxy Coated		Pound	21620	
Structure Excavation		Cu. Yd.	223	
Test Pile Metal Shells		Each	1	
Furnishing Metal Shell Piles 12"x0.25"		Lin. Ft.	2255	
Driving Piles		Lin. Ft.	2255	
Epoxy Crack Injection		Foot	132	
Concrete Sealer		Sq. Ft.	649	
Concrete Removal		Cu. Yd.	43	

MIN. BAR LAP

#4 ..... 1'-4"

#5 ..... 1'-10"

#10 ..... 7'-3"

ESCA CONSULTANTS, INC.		
DESIGNED BY:	RDP/DAJ	11/08
DRAWN BY:	DWH/cj	11/08
CHECKED BY:	RDP	03/09
APPROVED BY:	RDP	08/09

EAST ABUTMENT DETAILS
STRUCTURE NO. 015-0064

SHEET NO. 22	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
35 SHEETS	325	(19VBR)BR	COLES	92	46
			CONTRACT NO. 74149		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		