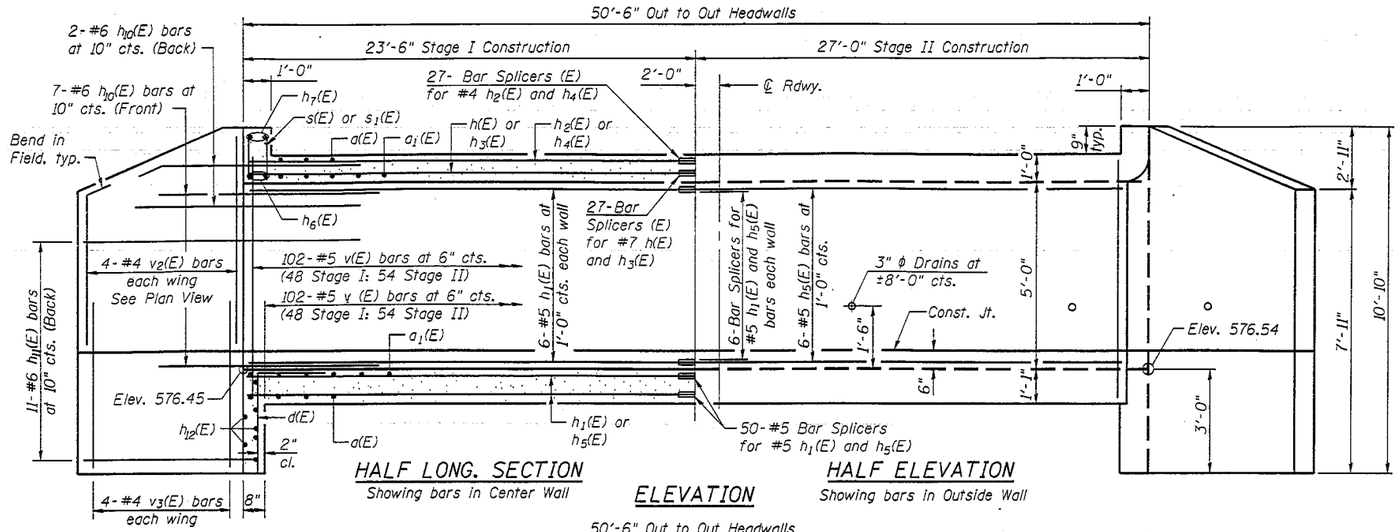
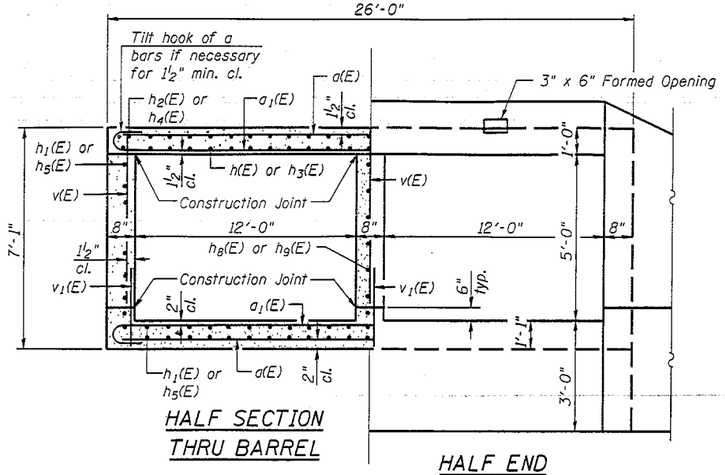


HALF LONG. SECTION
Showing bars in Center Wall

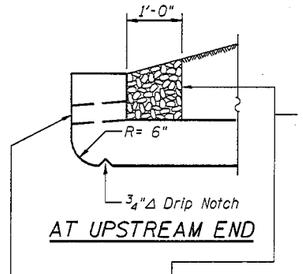
ELEVATION

HALF ELEVATION
Showing bars in Outside Wall



HALF SECTION THRU BARREL

HALF END ELEVATION



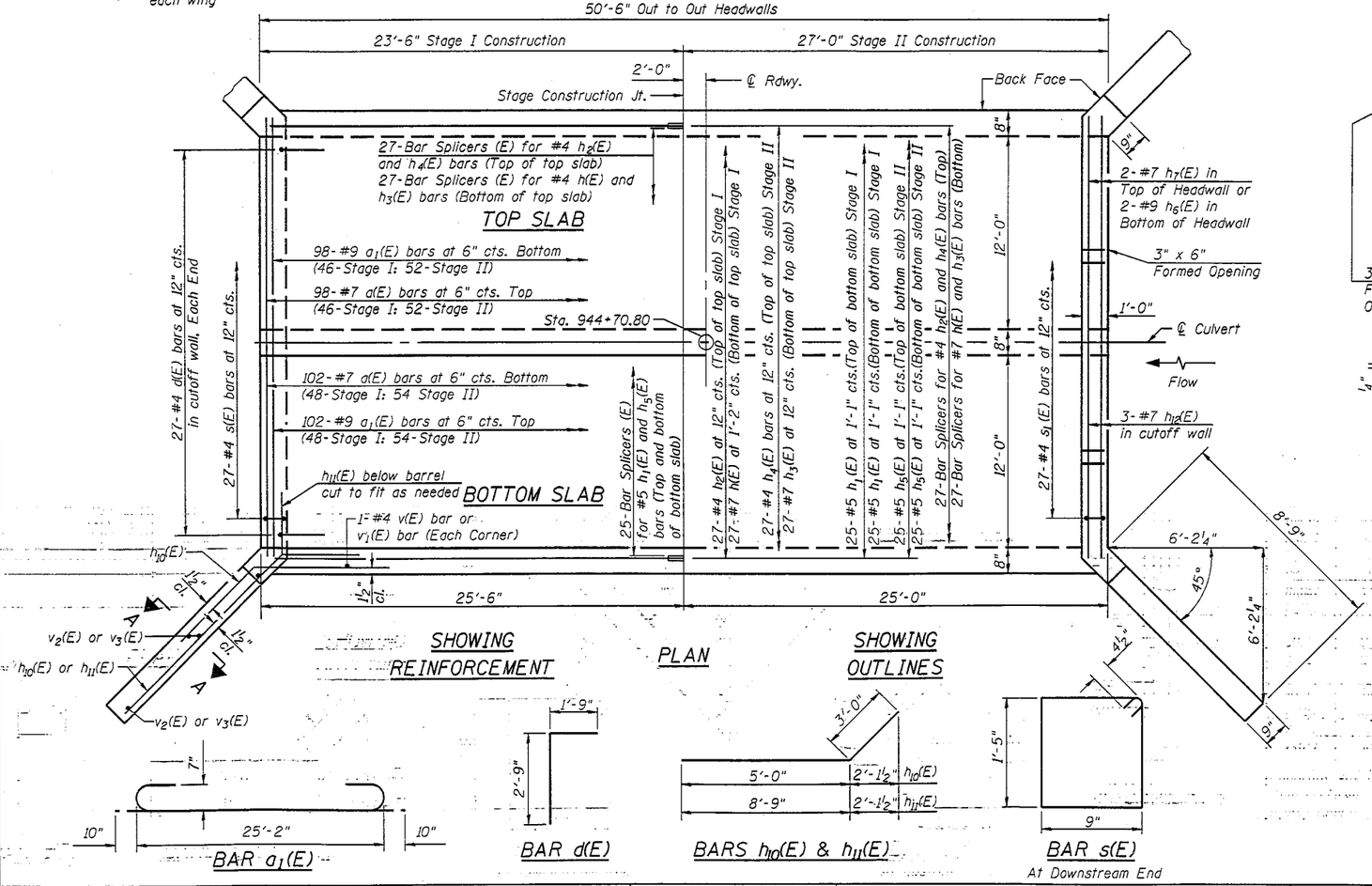
AT UPSTREAM END

Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with Concrete Box Culverts.

Note:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

AT DOWNSTREAM END

DRAIN DETAIL



SHOWING REINFORCEMENT

PLAN

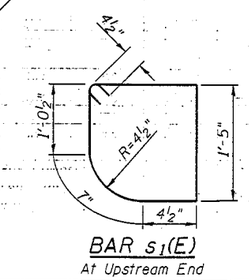
SHOWING OUTLINES

BAR a_1(E)

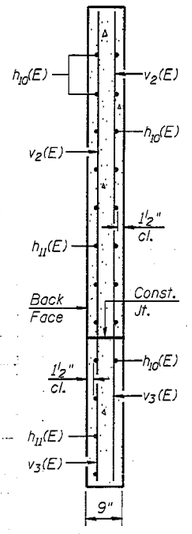
BAR d(E)

BARS h_{10}(E) & h_{11}(E)

BAR s(E)
At Downstream End



BAR s_1(E)
At Upstream End



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	200	#7	25'-8"	
a_1(E)	200	#9	26'-10"	
d(E)	54	#4	4'-6"	
h(E)	27	#7	23'-2"	
h_1(E)	68	#5	23'-2"	
h_2(E)	27	#4	23'-2"	
h_3(E)	27	#7	26'-8"	
h_4(E)	27	#4	26'-8"	
h_5(E)	68	#5	26'-8"	
h_6(E)	4	#9	25'-8"	
h_7(E)	4	#7	25'-8"	
h_{10}(E)	36	#6	8'-0"	
h_{11}(E)	44	#6	11'-9"	
h_{12}(E)	6	#7	25'-5"	
s(E)	27	#4	5'-1"	
s_1(E)	27	#4	4'-11"	
v(E)	310	#5	5'-3"	
v_1(E)	310	#5	4'-0"	
v_2(E)	16	#4	5'-11"	
v_3(E)	16	#4	7'-2"	
Concrete Box Culverts			Cu. Yd.	134
Reinforcement Bars, Epoxy Coated			Pound	42,270

FILE NAME = S:\IDOL\63869-6399\63461\826\Micros\CADD Sheets\Structural\063784-64925-004-CTOP.dgn

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(815) 744-4200
IDFPR NO: 184-001273

USER NAME = brianf	DESIGNED RRD	REVISED -	
	CHECKED AJS	REVISED -	
PLOT SCALE =	DRAWN BJF	REVISED -	
PLOT DATE = 10/1/2012	CHECKED RRD	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 081-2038
SHEET NO. 4 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	110T	ROCK ISLAND	51	31
		CONTRACT NO. 64925		
		ILLINOIS FED. AID PROJECT		