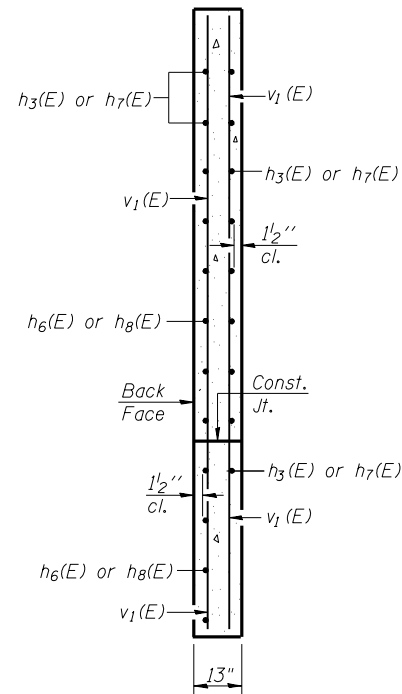
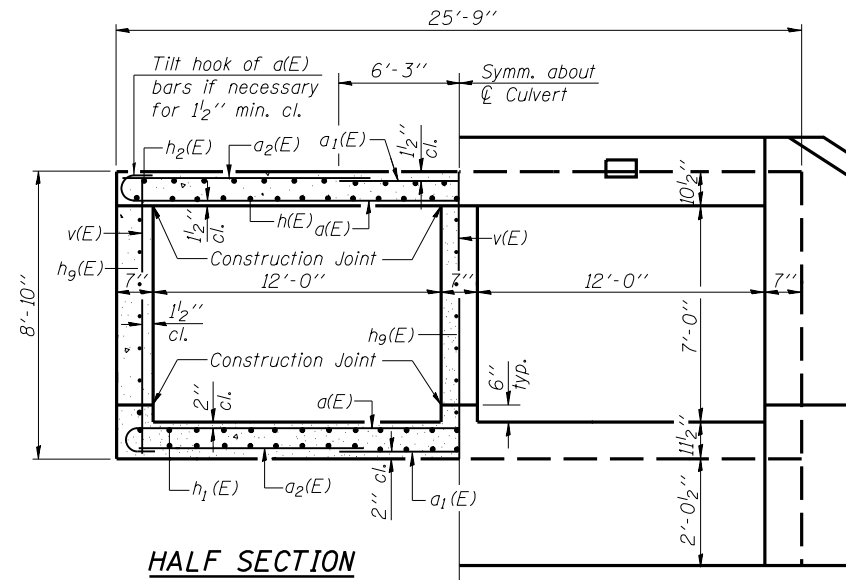




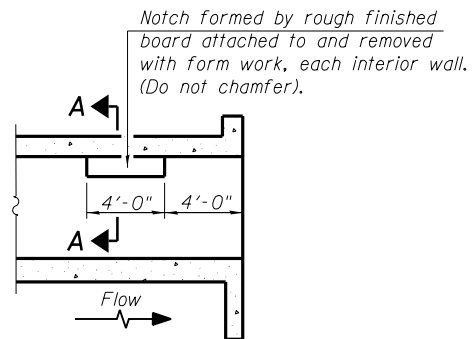
SECTION A-A



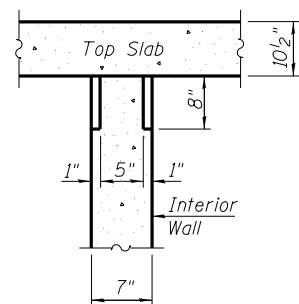
HALF SECTION
THRU BARREL

HALF END ELEVATION

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.

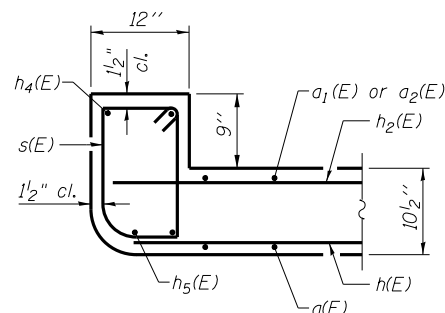


LONGITUDINAL
SECTION

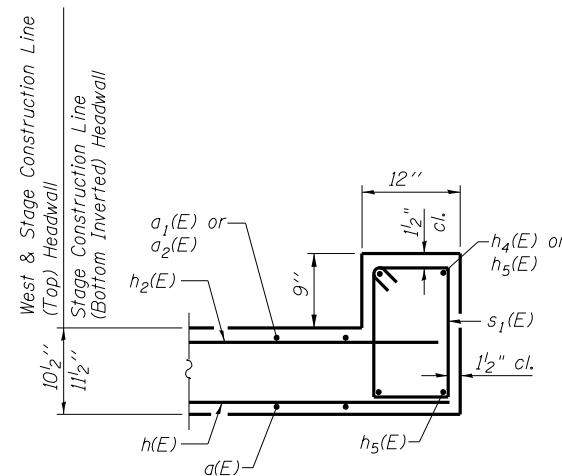


SECTION A-A

PHOEBE NESTING
SITE DETAILS
(Downstream End Only)

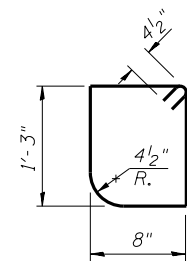


EAST HEADWALL REINFORCEMENT DETAIL

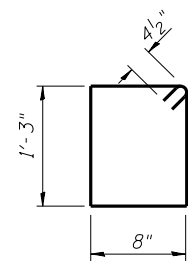


EDGE BEAMS AT STAGE I CONSTRUCTION &
WEST HEADWALL REINFORCEMENT DETAIL

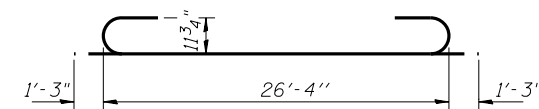
Note: Use bottom headwall reinforcement in top of bottom slab and top headwall reinforcement in bottom of Lower Edge Beam.



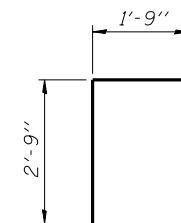
BAR s(E)



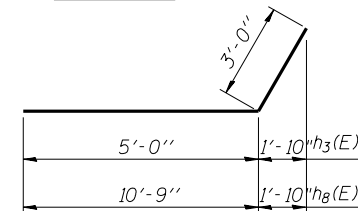
BAR s1(E)



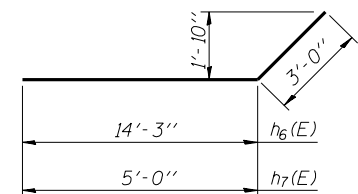
BAR d(E)



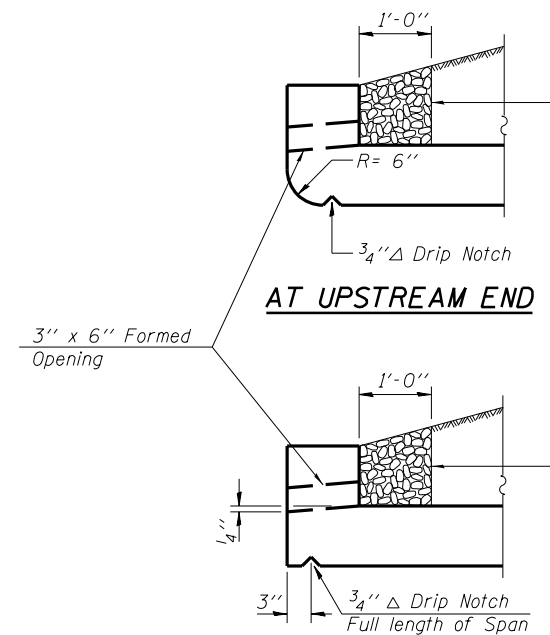
BAR d(E)



BARS h3(E) & h8(E)



BARS h6(E) & h7(E)



DRAIN DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	210	#9	28'-10"	
a1(E)	322	#7	12'-6"	
a2(E)	162	#6	10'-0"	
d(E)	50	#4	4'-6"	
h(E)	52	#7	43'-1"	
h1(E)	104	#5	43'-1"	
h2(E)	104	#4	22'-8"	
h3(E)	28	#8	8'-0"	
h4(E)	4	#6	26'-6"	
h5(E)	22	#6	27'-0"	
h6(E)	22	#8	17'-3"	
h7(E)	28	#8	8'-0"	
h8(E)	22	#8	13'-9"	
h9(E)	42	#6	43'-1"	
s(E)	26	#4	4'-5"	
s1(E)	78	#4	4'-7"	
v(E)	334	#4	8'-6"	
v1(E)	16	#4	11'-3"	
Concrete Box Culverts			Cu. Yd.	218.1
Reinforcement Bars, Epoxy Coated			Pound	51,340
Bar Splicers			Each	125

CB Coombe-Bloxdorf P.C.
-CIVIL ENGINEERS-
-STRUCTURAL ENGINEERS-
-LAND SURVEYORS-
Design Firm License No. 184-002703

FILE NAME =	USER NAME = sparksgw	DESIGNED - GB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT DETAILS STRUCTURE NO. 009-2511	SHEET NO. 6 OF 9 SHEETS
et:\pwork\pwork\sparksgw\0279951\0092511-72855-006-DET.dgn		CHECKED - MCB	REVISED -			
PLOT SCALE = 0:2.000000 'ft' / 1 in.		DRAWN - MML	REVISED -			
PLOT DATE = Aug-31-2011 09:41:44AM		CHECKED - MCB	REVISED -			
CB PROJECT NO. 07048-14						
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	ILLINOIS FED. AID PROJECT		
614	144(B-4)	CASS	97	CONTRACT NO. 72B55		