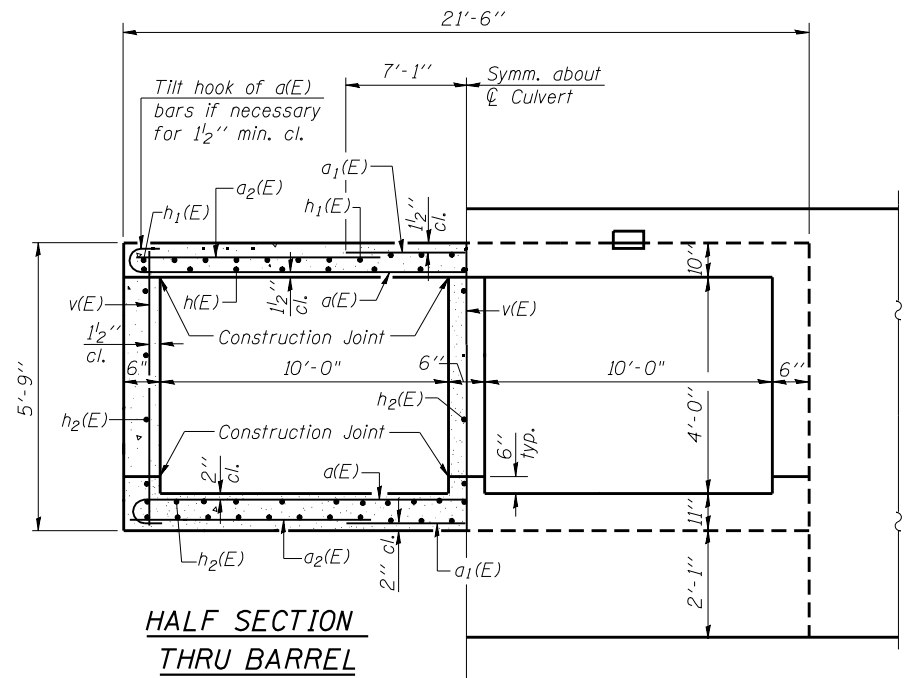


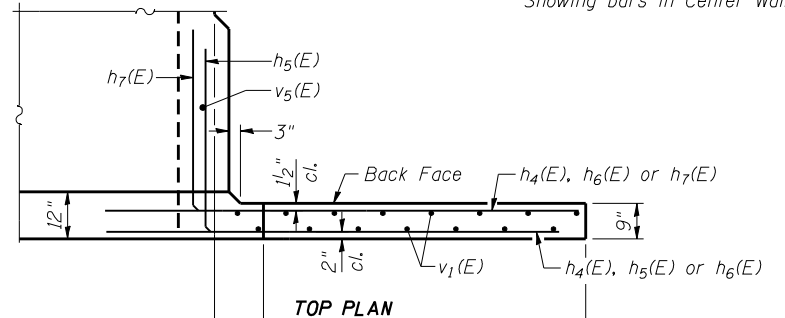
HALF LONG SECTION
Showing bars in Center Wall

HALF ELEVATION
Showing bars in Outside Wall

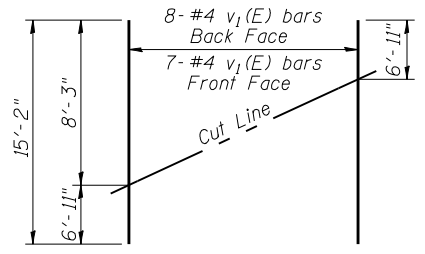


HALF SECTION THRU BARREL

HALF END ELEVATION

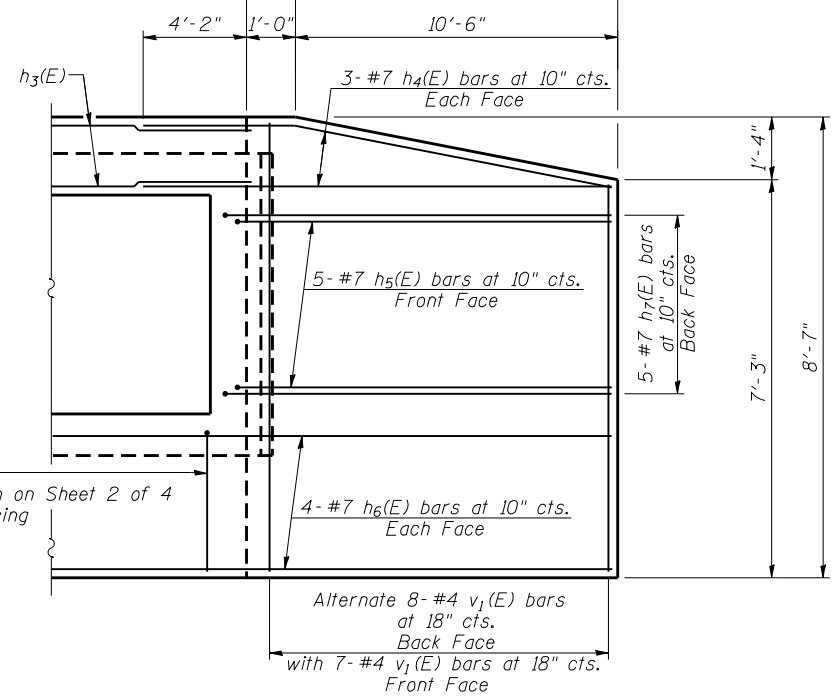


TOP PLAN



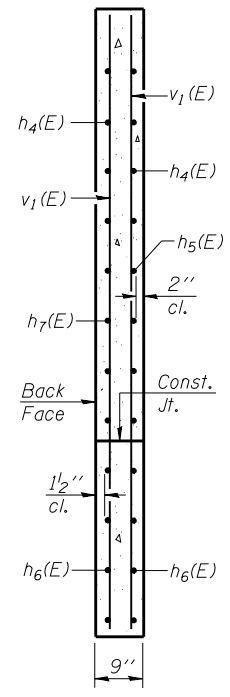
FIELD CUTTING DIAGRAM

Order $v_1(E)$ full length. Cut as shown and use remainder of bars in opposite wingwall.

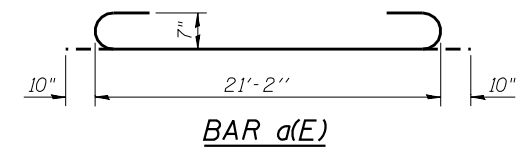


END ELEVATION

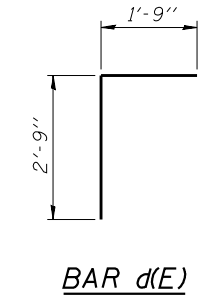
WINGWALL REINFORCEMENT DETAIL



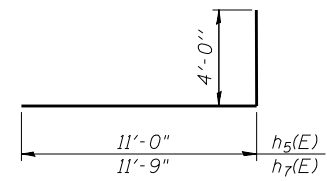
SECTION



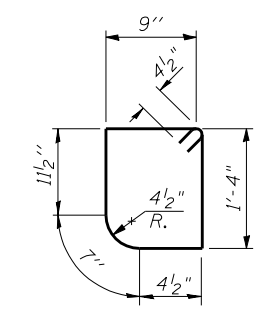
BAR d(E)



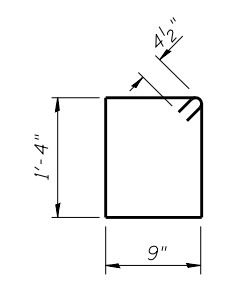
BAR d(E)



BAR h5(E) & h7(E)



BAR s(E)



BAR s1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
d(E)	115	#7	22'-10"		
a1(E)	118	#7	14'-2"		
a2(E)	236	#4	5'-9"		
d(E)	42	#4	4'-6"		
h(E)	24	#6	43'-8"		
h1(E)	22	#4	43'-8"		
h2(E)	56	#5	43'-8"		
h3(E)	8	#6	21'-2"		
h4(E)	24	#7	15'-6"		
h5(E)	20	#7	15'-0"		
h6(E)	16	#7	44'-2"		
h7(E)	20	#7	15'-9"		
s(E)	21	#4	4'-9"		
s1(E)	21	#4	4'-11"		
v(E)	181	#4	5'-5"		
v1(E)	30	#4	15'-2"		
Concrete Box Culverts				Cu. Yd.	85.9
Reinforcement Bars, Epoxy Coated				Pound	19,390

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

FILE NAME = ...\\1002023-78090-003-culvert.dgn
CB PROJECT NO 08055-15

USER NAME = _CFC_
PLOT SCALE = 0:1.999200 ' / IN.
PLOT DATE = 12/23/2011

DESIGNED - GJB
CHECKED - MCB
DRAWN - MML
CHECKED - MCB

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 100-2023

SHEET NO. 3 OF 4 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
13B	6B-1	WILLIAMSON	19	13

CONTRACT NO. 78090
ILLINOIS FED. AID PROJECT