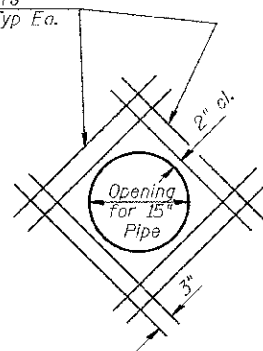


Bar	a	b	c	d
h_1	5'-0"	3'-0"	1'-9 1/8"	2'-4 1/2"
h_2	5'-0"	3'-0"	2'-4 1/2"	1'-9 1/8"
h_3	9'-6"	3'-0"	1'-9 1/8"	2'-4 1/2"
h_4	12'-0"	3'-0"	2'-4 1/2"	1'-9 1/8"

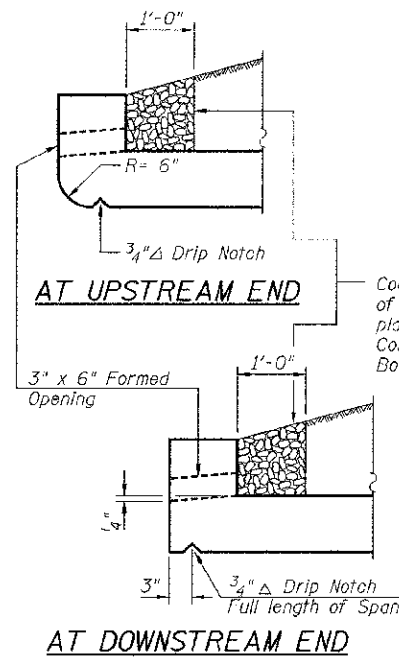
BARS h_1 , h_2 , h_3 , & h_4

8-#4 h_6 bars
at 3" cts. Typ Ea.
Opening



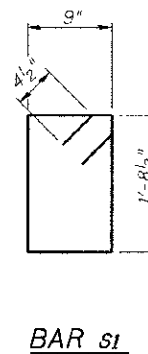
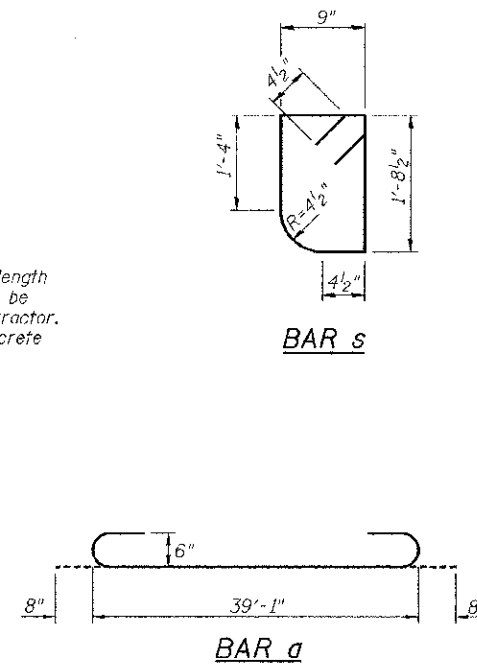
**OPENING DETAIL
FOR 15" PIPE CULVERTS**

See Sheet 2 of 4 for location.
Cut reinforcement to miss opening.

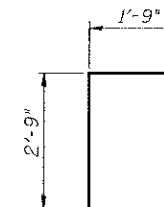


DRAIN DETAIL

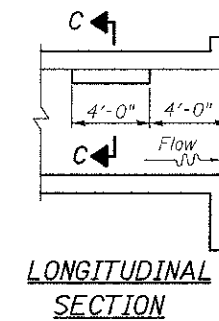
Coarse aggregate full length
of both headwalls. To be
placed by Grading Contractor.
Cost Included with Concrete
Box Culverts.



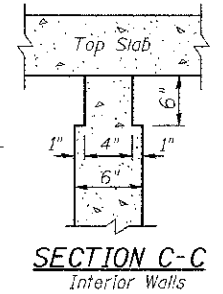
BAR s_1



BAR d



**LONGITUDINAL
SECTION**



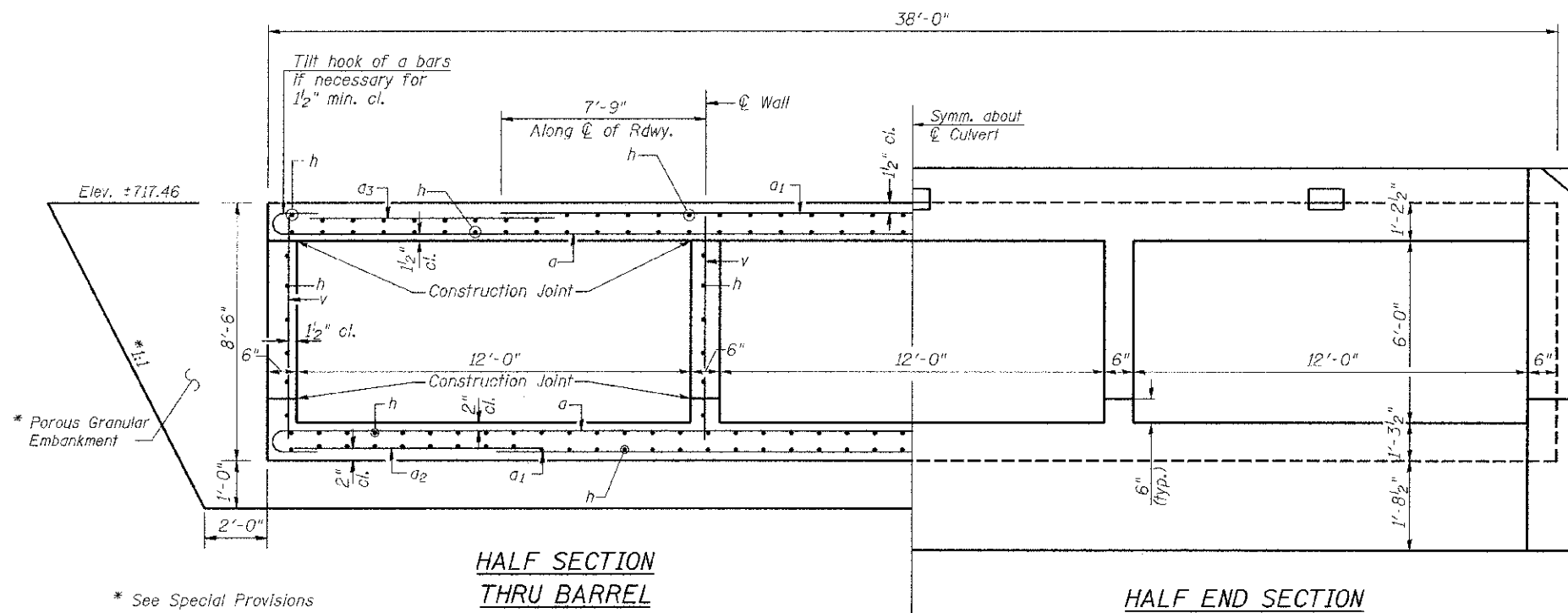
**SECTION C-C
Interior Walls**

Note: Notch by rough-finished
board attached to and removed
with formwork, each interior wall.
(Do not chamfer)

PHOEBE NESTING SITE DETAIL
(Downstream End Only - Cost
included with Concrete Box Culverts)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	162	#6	40'-5"	C
a_1	154	#6	28'-0"	—
a_2	54	#4	6'-3"	—
a_3	78	#5	6'-7"	—
d	76	#4	4'-6"	Γ
h	404	#5	28'-8"	—
h_1	24	#6	8'-0"	—
h_2	22	#7	8'-0"	—
h_3	40	#6	12'-6"	—
h_4	36	#7	15'-0"	—
h_5	10	#6	38'-6"	—
h_6	16	#4	3'-6"	—
s	40	#4	5'-6"	U
s_1	40	#4	5'-8"	U
v	324	#4	8'-2"	—
v_1	16	#4	10'-8"	—
Concrete Box Culverts			CU YD	240.9
Reinforcement Bars			POUND	35,140



**HALF SECTION
THRU BARREL**
Showing Reinforcement

HALF END SECTION
Showing Dimensions

CULVERT DETAILS

SHEET NO. 3	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4 SHEETS	270	13-00727-00-BR	LASALLE	13	9
S.N. 050-3599			CONTRACT NO. 87556		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-0270(192)		