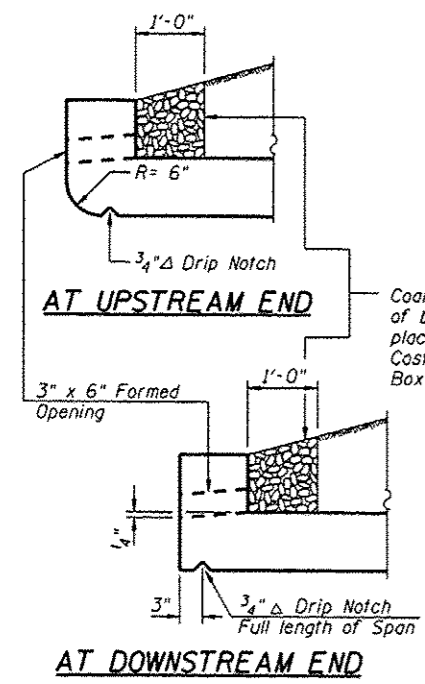


**LONGITUDINAL SECTION**

**SECTION C-C**  
Interior Wall

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)



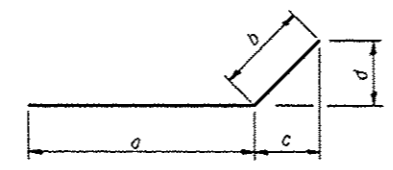
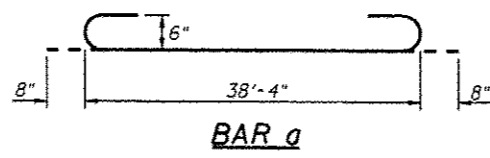
Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cast included with Concrete Box Culverts.

**HALF SECTION THRU BARREL**  
Showing Reinforcement

**HALF END ELEVATION**  
Showing Dimensions

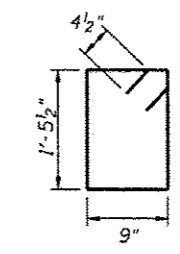
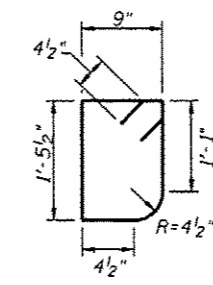
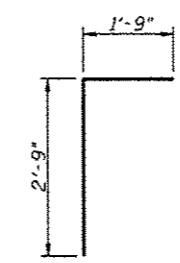
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a	332	#6	39'-8"	U
a <sub>1</sub>	240	#8	24'-7"	—
a <sub>2</sub>	184	#4	11'-9"	—
d	74	#4	4'-6"	—
h	606	#5	33'-6"	—
h <sub>1</sub>	46	#9	19'-0"	—
h <sub>2</sub>	34	#9	8'-0"	—
h <sub>3</sub>	46	#8	16'-9"	—
h <sub>4</sub>	34	#8	8'-0"	—
h <sub>5</sub>	18	#6	38'-4"	—
s	38	#4	5'-0"	□
s <sub>1</sub>	38	#4	5'-2"	□
v	476	#6	10'-2"	—
v <sub>1</sub>	476	#6	3'-7"	—
v <sub>2</sub>	16	#4	14'-5"	—
Concrete Box Culverts CU YD				429.4
Reinforcement Bars POUND				76,330



Bar	a	b	c	d
h <sub>1</sub>	16'-0"	3'-0"	2'-5 1/2"	1'-8 1/2"
h <sub>2</sub>	5'-0"	3'-0"	2'-5 1/2"	1'-8 1/2"
h <sub>3</sub>	13'-9"	3'-0"	1'-8 1/2"	2'-5 1/2"
h <sub>4</sub>	5'-0"	3'-0"	1'-8 1/2"	2'-5 1/2"

**BARS h<sub>1</sub>, h<sub>2</sub>, h<sub>3</sub> & h<sub>4</sub>**



**CULVERT DETAILS**  
KNOX COUNTY  
SECTION 12-00001-01-RS  
C.H. 4 OVER WALNUT CREEK TRIBUTARY

SHEET NO.	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3	CH 4	12-00001-01-RS	KNOX	174	74
4 SHEETS			S.N. 048-5037		CONTRACT NO. 89614
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT RS-0393(105)		