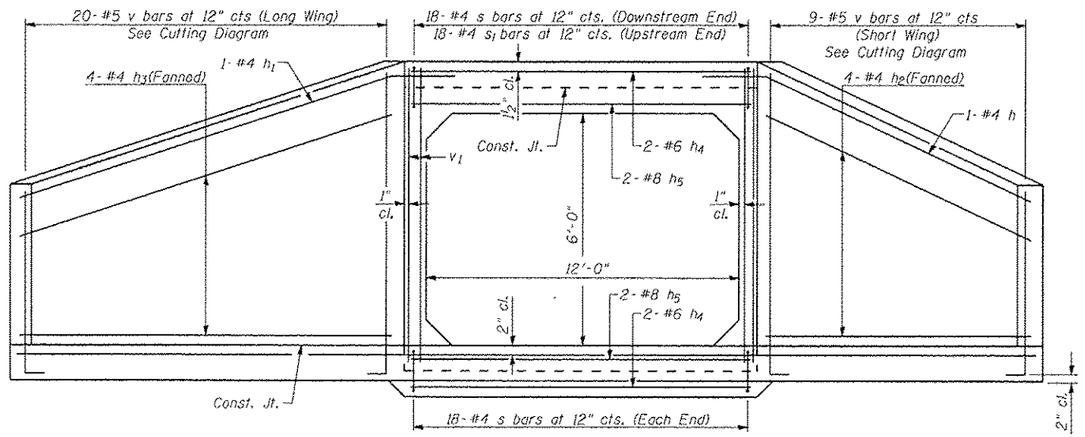
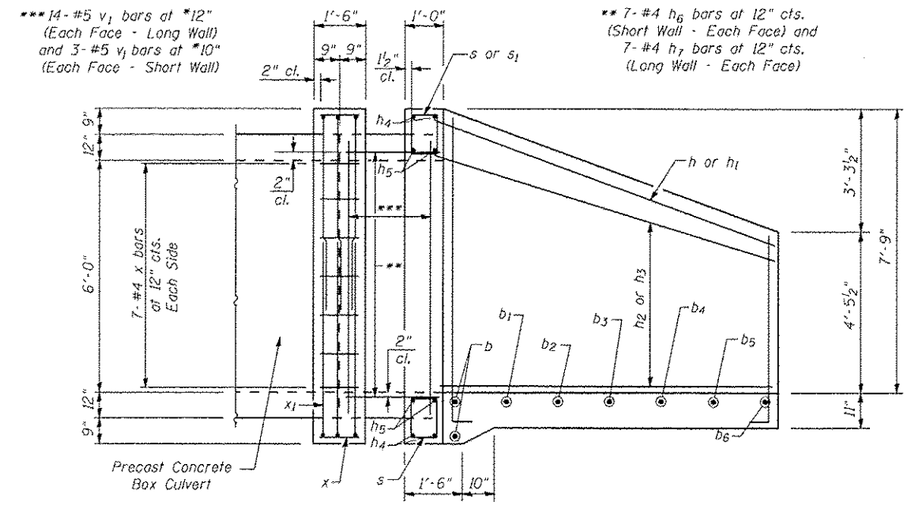
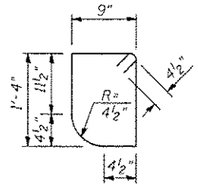


END ELEVATION

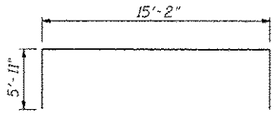


SECTION A-A

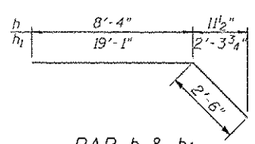
BAR s



BAR s1



BAR x1



BAR h & h1
(Bend in field)

NOTES:

Bill of Material for 2 end sections.

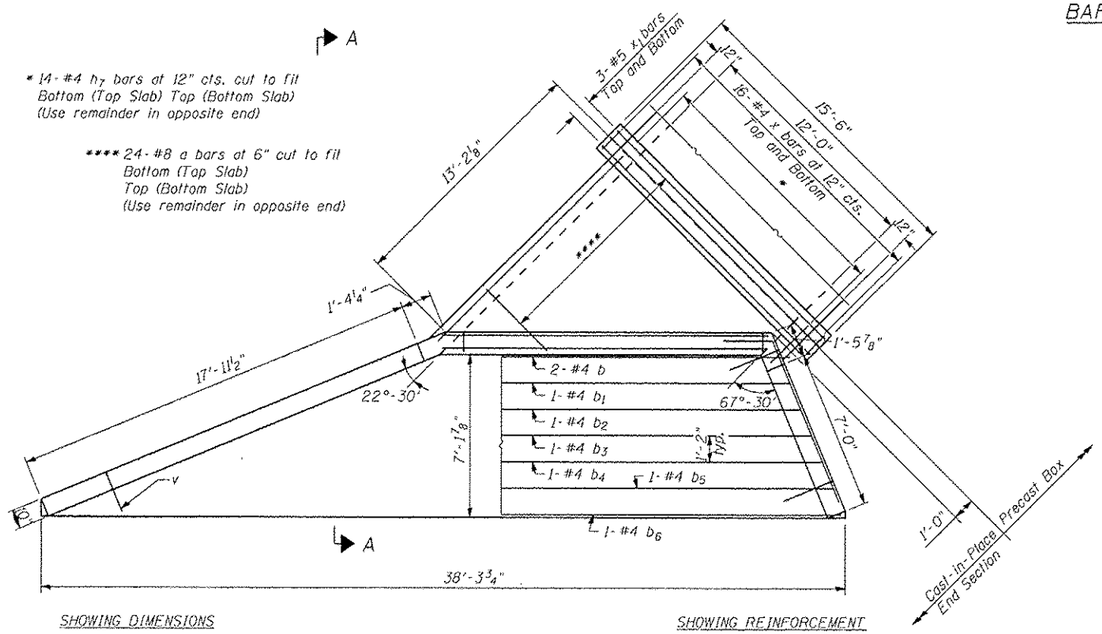
Bar dimensions are out to out.

Not to scale or proper orientation.

Exposed edges shall be beveled ¾".

Headwall at 45° skew to culvert ℄.

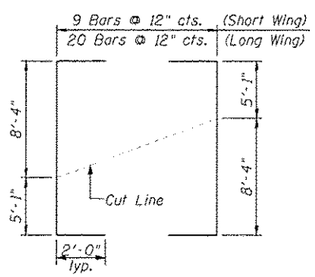
Minimum bar laps: #5 bar = 2'-2"



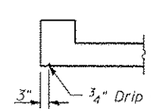
SHOWING DIMENSIONS

SHOWING REINFORCEMENT

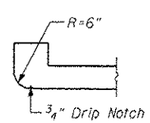
PLAN



FIELD CUTTING DIAGRAM
BAR v



AT DOWNSTREAM END



AT UPSTREAM END

SECTION THRU HEADWALL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	48	#8	13'-8"	
b	4	#4	19'-10"	
b1	2	#4	23'-1"	
b2	2	#4	26'-3"	
b3	2	#4	29'-6"	
b4	2	#4	32'-8"	
b5	2	#4	35'-10"	
b6	2	#4	38'-0"	
h	2	#4	10'-10"	
h1	2	#4	21'-7"	
h2	8	#4	8'-2"	
h3	8	#4	19'-0"	
h4	8	#6	17'-1"	
h5	8	#8	17'-1"	
h6	28	#4	1'-10"	
h7	56	#4	13'-9"	
s	54	#4	4'-11"	
s1	18	#4	4'-9"	
v	29	#5	17'-5"	
v1	68	#5	7'-8"	
x	92	#4	1'-2"	
x1	12	#5	27'-0"	
Reinforcement Bars			Pound	5,030
Concrete Box Culverts			Cu. Yd.	53.1
Precast Concrete Box Culverts 12' X 6'			Feet	108

1 REVISED SHEET 12-27-13

FILE NAME = D:\DOTfiles\082224\WQ 1 - US 24 over Frazier Creek - Structure Plans\SN 001-7090 & SN 001-7130\Sheets\Culvert Barrel - SN 001-7130.dgn	USER NAME =	DESIGNED RJP	REVISED	SEB 10-25-13
		CHECKED ADL	REVISED	SEB 10-30-13
	PLOT SCALE =	DRAWN RJP	REVISED	
	PLOT DATE =	CHECKED ADL	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NUMBER 001-7130
SHEET NO. 3 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(1)CR-1, (2)CR	ADAMS	43	24
		CONTRACT NO. 72C12		
	ILLINOIS FED. AID PROJECT			

Klingner & Associates P.C.