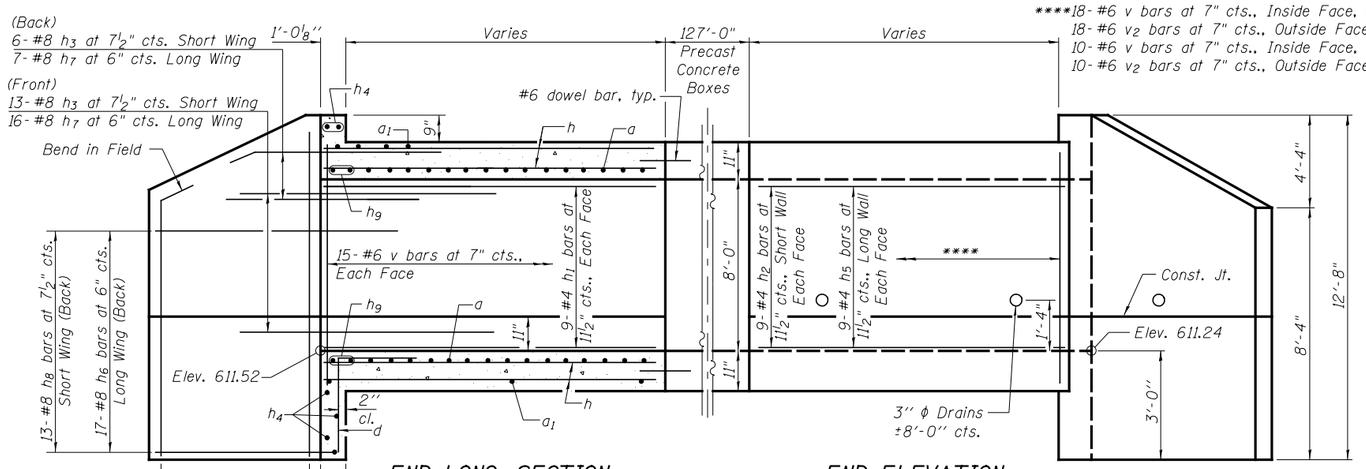
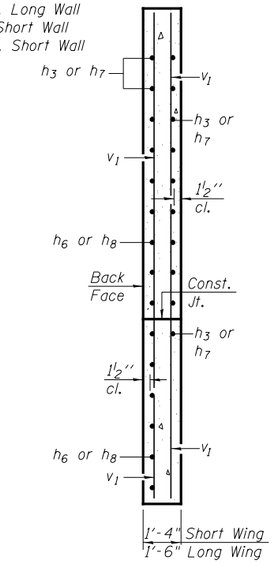
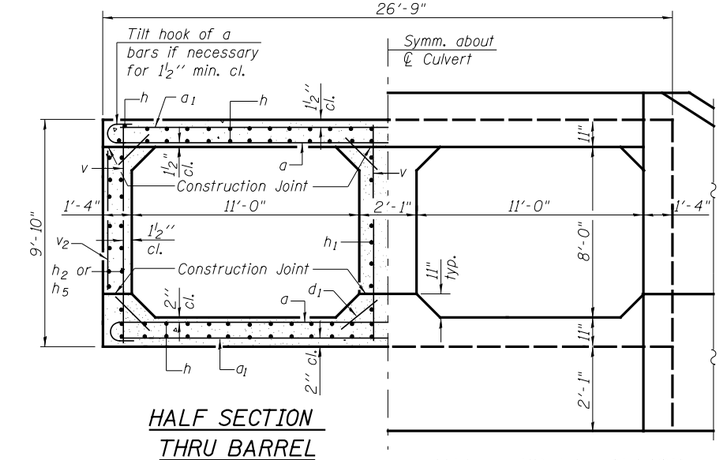


END LONG. SECTION
(Showing bars in Center Wall)

END ELEVATION
(Showing bars in Outside Wall)

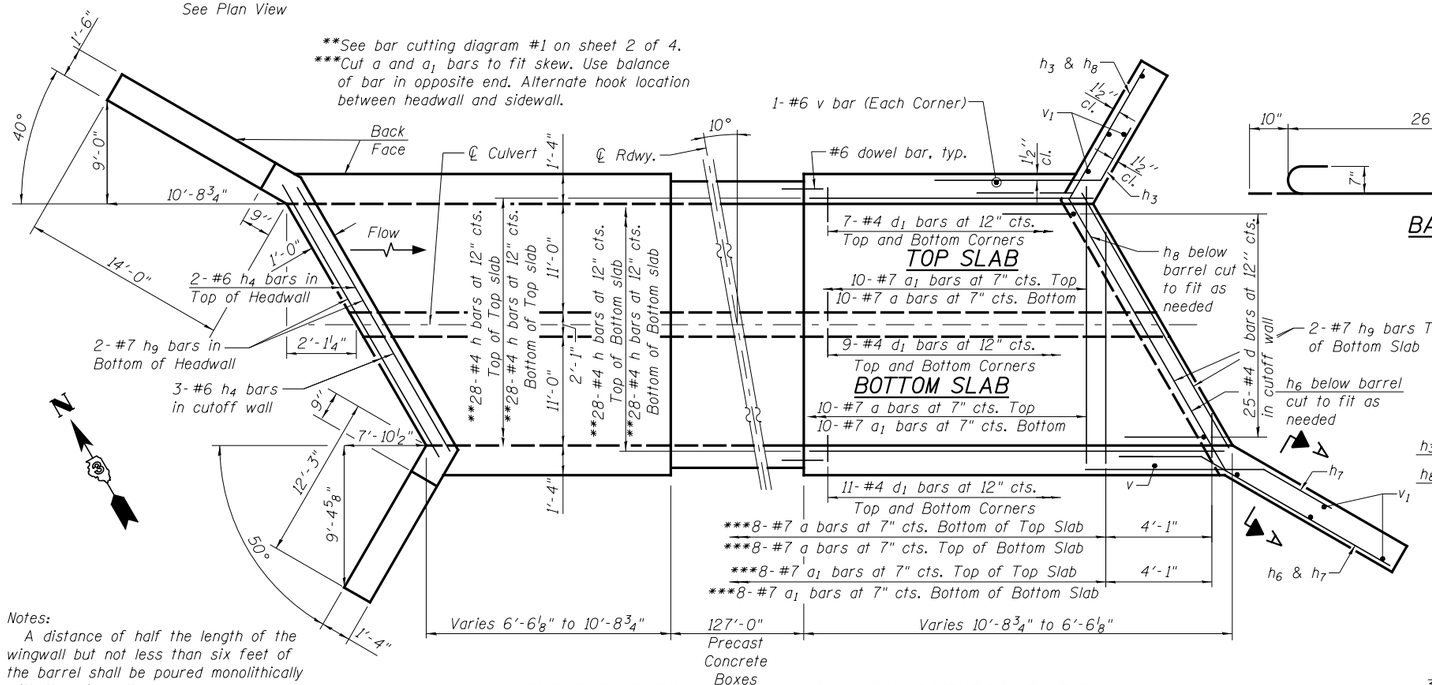


SECTION A-A



HALF SECTION THRU BARREL

HALF END ELEVATION

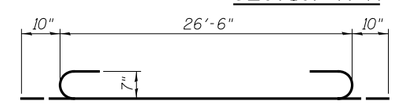


SHOWING OUTLINES

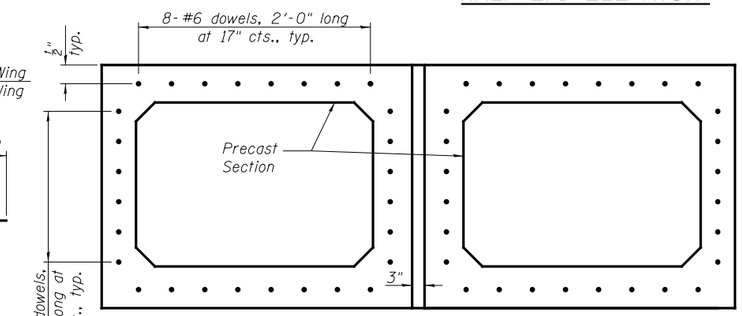
PLAN

SHOWING REINFORCEMENT

Notes:
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.
Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications. Cost shall be included in the cost of Concrete Box Culverts.

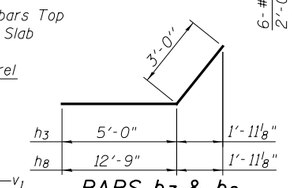


BAR a

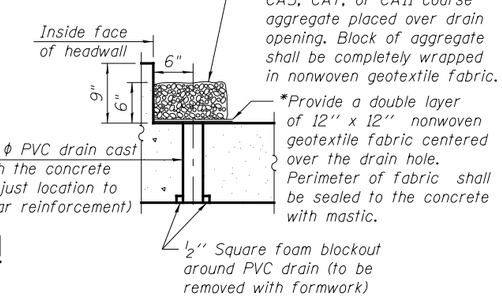


PRECAST CONCRETE CULVERT END ELEVATION
(Section is symmetrical about ℄ culvert)

*Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



BARS h3 & h8

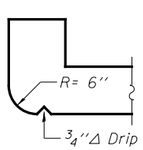


DRAIN DETAIL

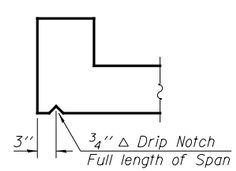
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	56	#7	28'-2"	
a1	56	#7	26'-6"	
d	50	#4	4'-6"	
d1	144	#4	1'-2"	
h	112	#4	16'-6"	
h1	36	#4	8'-2"	
h2	36	#4	6'-1"	
h3	38	#8	8'-0"	
h4	10	#6	26'-5"	
h5	36	#4	10'-5"	
h6	34	#8	18'-0"	
h7	46	#8	8'-0"	
h8	26	#8	15'-9"	
h9	8	#7	26'-8"	
v	120	#6	9'-6"	
v1	16	#4	12'-4"	
v2	56	#6	6'-9"	
Concrete Box Culverts			Cu. Yd.	91.4
Reinforcement Bars			Pound	16120

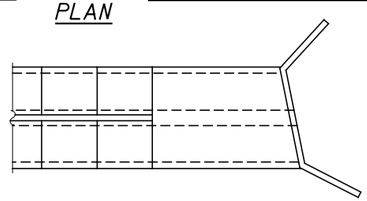


AT UPSTREAM END



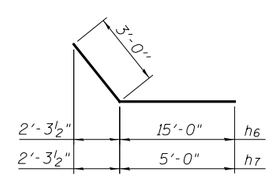
AT DOWNSTREAM END

SECTION THRU HEADWALL

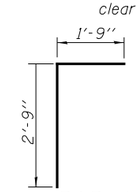


ALIGNED PRECAST SECTIONS

PLAN



BARS h6 & h7



BAR d

REVISED -	USER NAME =	DESIGNED - PSS	
REVISED -	FILE NAME =	CHECKED - VPT	
REVISED -	PLOT SCALE =	DRAWN - AJF	
REVISED -	PLOT DATE =	CHECKED - VPT	

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 047-2033

SHEET NO. 3 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109, 110)R-1	KENDALL	619	374

CONTRACT NO. 66B84

ILLINOIS FED. AID PROJECT