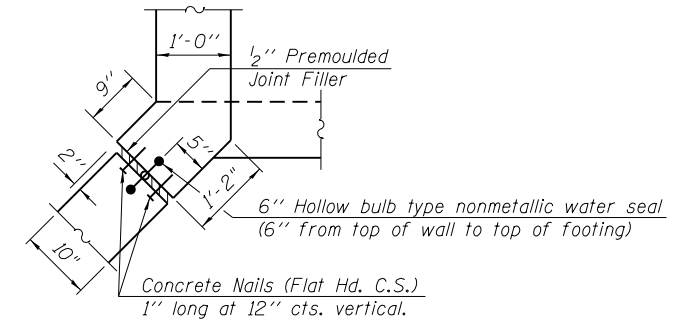


PLAN

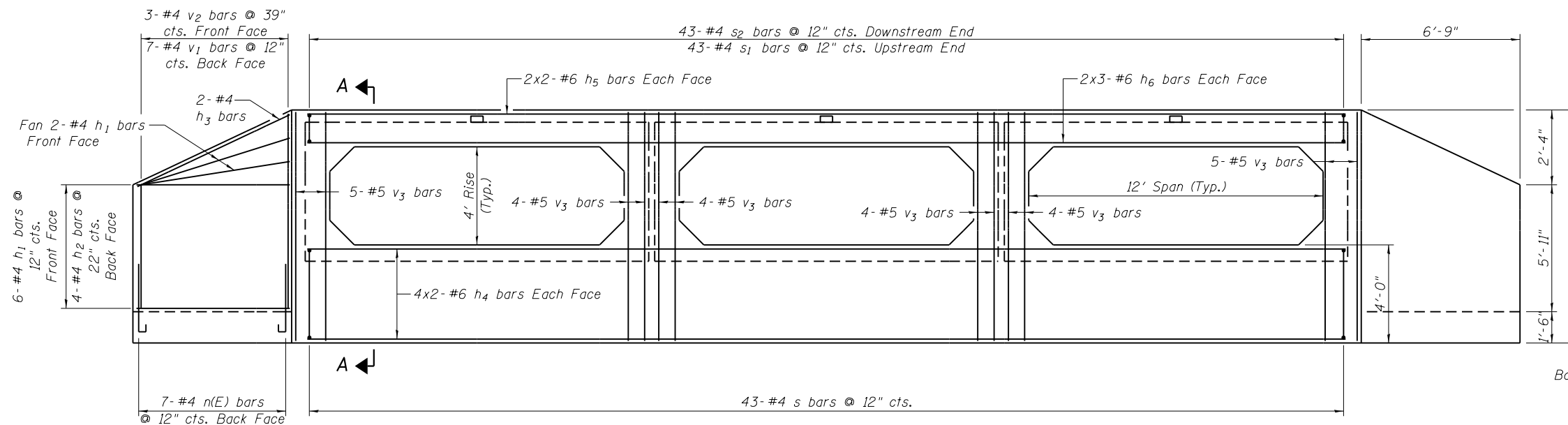
**MINIMUM BAR LAP**

#6 bar = 3'-4"

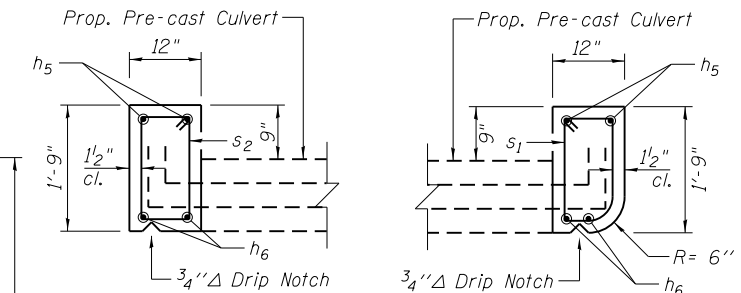
Notes:  
Bars indicated thus 1x3-#4 etc. indicates  
1 line of bars with 3 lengths per line.



CORNER DETAIL



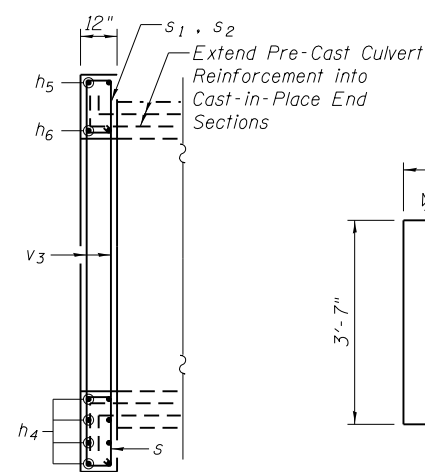
FRONT VIEW ELEV.  
WINGWALL REINFORCEMENT



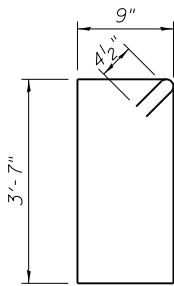
DOWNSTREAM

UPSTREAM

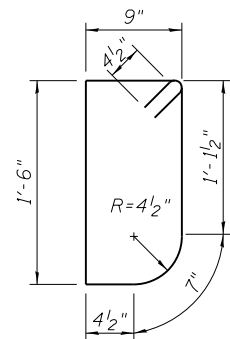
HEADWALL DETAILS



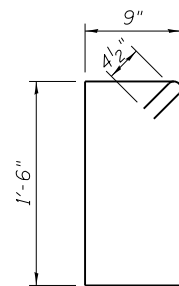
SECTION A-A



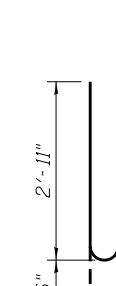
BAR S



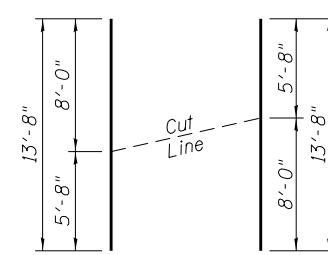
BAR S1



BAR S2

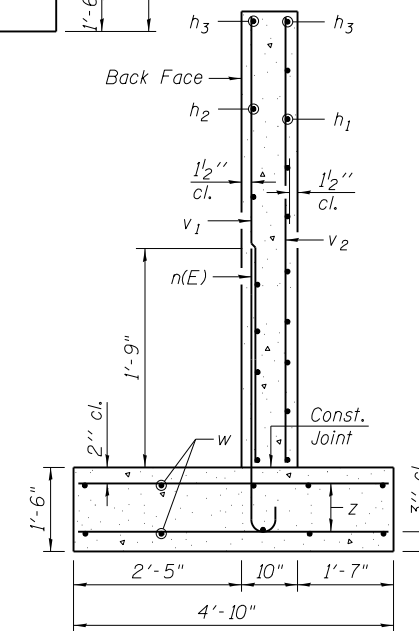


BAR n(E)



BAR V1 & BAR V2

Order v1 & v2 bars full depth. Cut as shown and use remainder of bars in other Wingwall



SECTION THRU  
WINGWALL

**BILL OF MATERIAL**

(For two End Sections)

Bar	No.	Size	Length	Shape
h1	32	#4	6'-6"	—
h2	16	#4	6'-6"	—
h3	8	#4	6'-9"	—
h4	32	#6	22'-9"	—
h5	8	#6	22'-9"	—
h6	12	#6	16'-3"	—
n(E)	28	#4	3'-5"	—
s	86	#4	9'-5"	□
s1	43	#4	5'-1"	□
s2	43	#4	5'-3"	□
v1	14	#4	13'-8"	—
v2	6	#4	13'-8"	—
v3	52	#5	9'-6"	—
w	40	#4	6'-5"	—
z	56	#4	4'-6"	—
Item	Units	Quantity		
Concrete Box Culverts	Cu. Yds.	33.6		
Reinforcement Bars	Lbs.	3780		
Reinforcement Bars (Epoxy Coated)	Lbs.	60		

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PLOT DRIVER = VBA:IDOT\_PDF\_11x17.pltcfgr



USER NAME =	DESIGNED - RJP	REVISED
PLOT SCALE =	CHECKED - DRB	REVISED
PLOT DATE =	DRAWN - JTF	REVISED
	CHECKED - DRB	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE END SECTION DETAILS  
FOREST HILLS ROAD OVER UNNAMED TRIBUTARY

SHEET NO. 3 OF 4 SHEETS

F.A.P. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	690
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				