

x bars (Space as shown in Section A-A, Sheet S-3)

See Detail Sheet S-3 for reinforcement

2-#7  $h_6$  bars @ 9" cts. Short Wing (Back)  
2-#7  $h_7$  bars @ 9" cts. Long Wing (Back)

8-#7  $h_6$  bars @ 9" cts. Short Wing (Front)  
8-#7  $h_7$  bars @ 9" cts. Long Wing (Front)

Bend in field

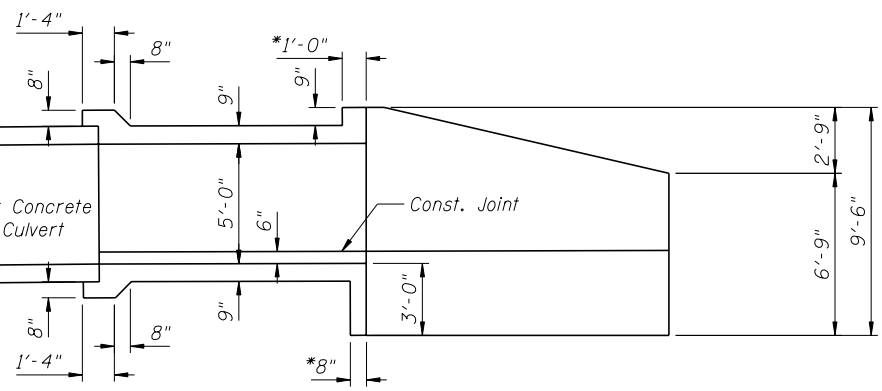
10-#7  $h_8$  bars @ 9" cts. Short Wing (Back)  
10-#7  $h_9$  bars @ 9" cts. Long Wing (Back)

1-#4  $a_2$  bars

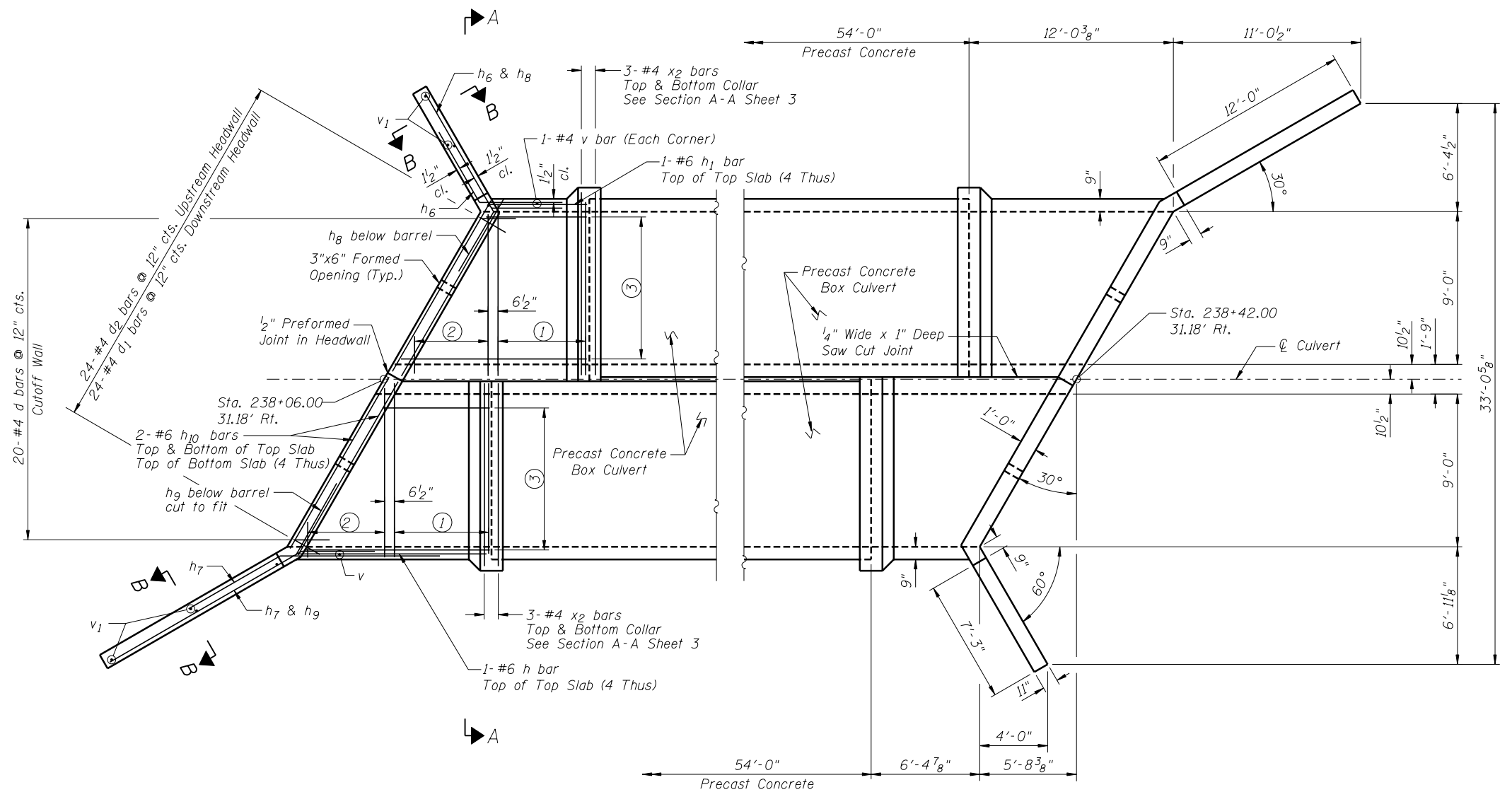
4-#4  $v_1$  bars Each Wing See Plan View

3-#4  $x_1$  bars Exterior Sidewall Collar (Each Side) See Section A-A, Sheet S-3

9-#4 v bars @ 9" cts. (Short Wall)  
17-#4 v bars @ 9" cts. (Long Wall)



ELEVATION



PLAN

NOTES

- ① 11-#7  $a$  bars @ 6 1/2" cts. (Bottom of Top Slab & Top of Bottom Slab)  
4-#4  $a_1$  bars @ 2'-0" cts. (Bottom of Bottom Slab)
- ② \*\*\*10-#7  $a$  bars @ 6 1/2" cts. (Bottom of Top Slab & Top of Bottom Slab)  
\*\*\*3-#4  $a_1$  bars @ 2'-0" cts. (Bottom of Bottom Slab)
- ③ \*\*10-#6  $h_2$  bars @ 12" cts. (Bottom of Top Slab)  
\*\*10-#4  $h_3$  bars @ 12" cts. (Top of Bottom Slab & Bottom of Bottom Slab)
- ④ 6-#5  $h_4$  bars @ 12" cts. (Short Wall)  
6-#5  $h_5$  bars @ 12" cts. (Long Wall)

\*\*  $h$  bars in skew portion of slab shall be ordered full length and cut, see Cut Diagram on Sheet S-3. Balance of cut bars to be used in opposite end of culvert.

\*\*\*  $a$  bars in skew portion of slab shall be ordered full length & cut to fit. Balance of bar to be used in opposite end of culvert.

For Sections A-A and B-B, see Sheet S-3

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.

BOX CULVERT END SECTIONS  
STRUCTURE NO. 050-2054

FILE NAME = ...04007-S0050-2054-002-EndSections.dgn



USER NAME = SAW	DESIGNED - JLA	REVISED -
PLOT SCALE = 0:2.0000 ' : / IN.	CHECKED - DAZ	REVISED -
PLOT DATE = 8/15/2012	DRAWN - SAW	REVISED -
	CHECKED - JLA	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BOX CULVERT END SECTIONS  
S.N. 050-2054

SHEET NO. S-2 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(H) BR-1	LA SALLE	32	16
CONTRACT NO. 66A13				
ILLINOIS FED. AID PROJECT				