

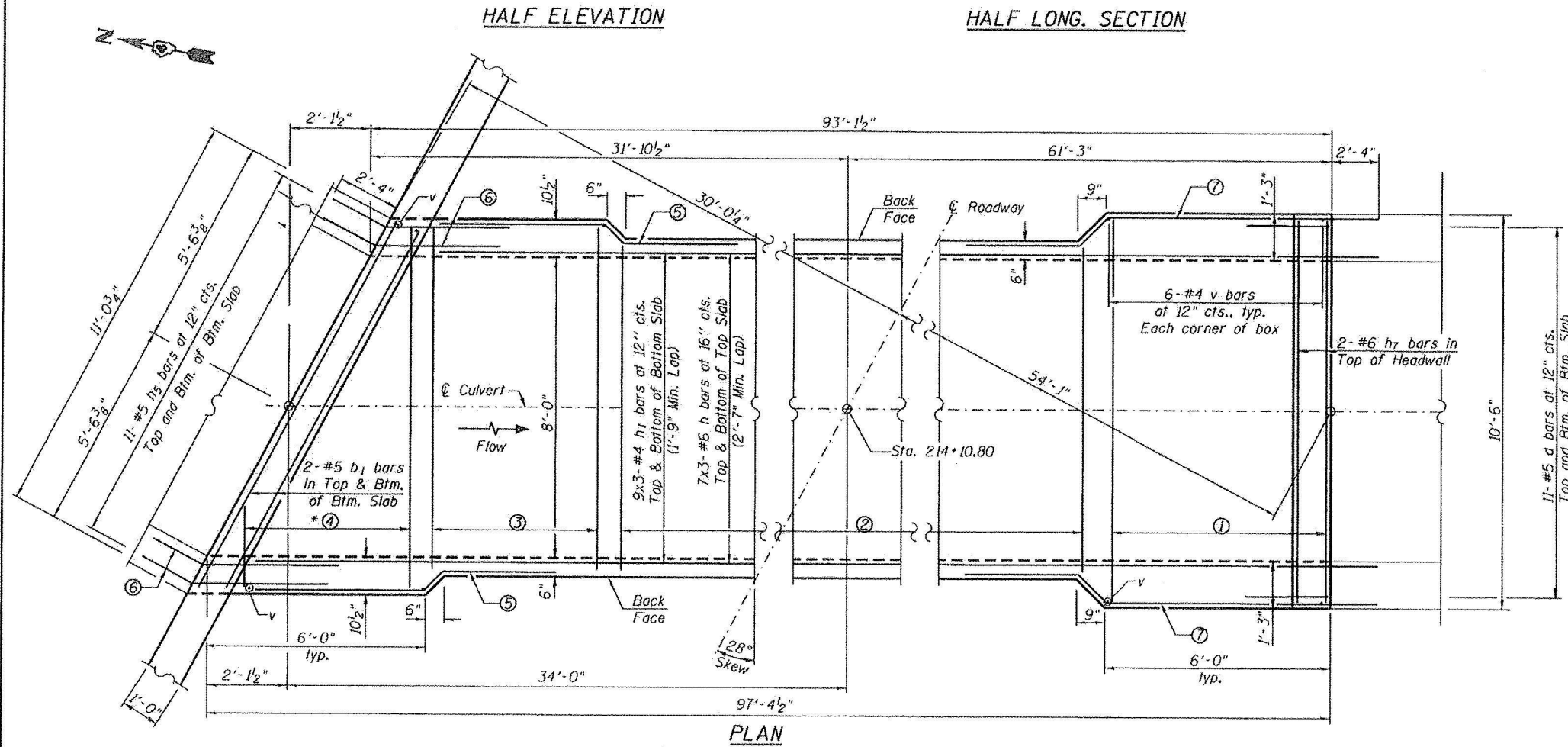
**SECTION A-A ELEVATION**  
**DRAINAGE PIPE REINFORCEMENT DETAIL**

The Contractor shall place the proposed reinforcement around the RCP and cast the RCP into the culvert wall in accordance with the details shown and to the approval of the Engineer. Cost included with Concrete Box Culverts.

- ① 11-#7 a<sub>1</sub> bars at 7" cts. Top of Bottom Slab & Bottom of Top Slab
- ① 4-#4 a<sub>2</sub> bars at ±2'-0" cts. Bottom of Bottom Slab & Top of Top Slab
- ② 138-#7 a<sub>3</sub> bars at 7" cts. Top of Bottom Slab & Bottom of Top Slab
- ② 40-#4 a<sub>4</sub> bars at ±2'-0" cts. Bottom of Bottom Slab & Top of Top Slab
- ③ 8-#7 a<sub>5</sub> bars at 7" cts. Top of Bottom Slab & Bottom of Top Slab
- ③ 2-#4 a<sub>6</sub> bars at ±2'-0" cts. Bottom of Bottom Slab & Top of Top Slab
- \*④ 9-#7 a<sub>7</sub> bars at 7" cts. Top of Bottom Slab & Bottom of Top Slab
- \*④ 3-#4 a<sub>8</sub> bars at ±2'-0" cts. Bottom of Bottom Slab & Top of Top Slab
- ⑤ 6-#5 h<sub>4</sub> bars at 12" cts. Each Wall Lap with h<sub>2</sub> or h<sub>3</sub> bars
- ⑥ 7-#5 h<sub>5</sub> bars at 12" cts. Each Face Each Wall Lap with h<sub>2</sub>, h<sub>3</sub> and h<sub>4</sub> bars
- ⑦ 6-#5 h<sub>6</sub> bars at 12" cts. Lap with h<sub>2</sub> or h<sub>3</sub> bars

**MINIMUM BAR LAP**  
 #4 bar = 1'-9"  
 #5 bar = 2'-2"  
 #6 bar = 2'-7"

\* a<sub>7</sub> & a<sub>8</sub> bars in skew portion of slab shall be ordered full length & cut to fit top slab. Balance of bar to be used in bottom slab.



**PLAN**

FILE NAME =	USER NAME = Elgin III	DESIGNED ADB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CULVERT BARREL DETAILS US 150 OVER FOX CREEK TRIBUTARY</b>			F.A.S. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILE ABBREVS		DRAWN ADB	REVISED -		2402	(110, 111, 112, 113, 114)RS-2	PEORIA	76	48			
		CHECKED MJS	REVISED -		SCALE: SHEET NO. 3 OF 7 SHEETS STA. TO STA.			CONTRACT NO. 68614				
<b>THE UPCHURCH GROUP, INC.</b>	PLOT SCALE = 0:2.00 1" = 10'	DATE 12/14/2012	REVISED -					ILLINOIS FED. AID PROJECT				