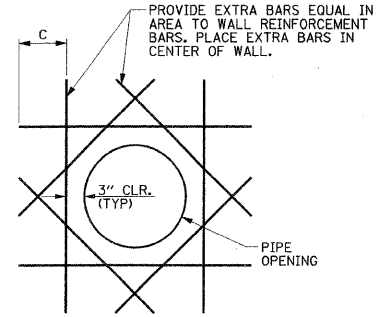
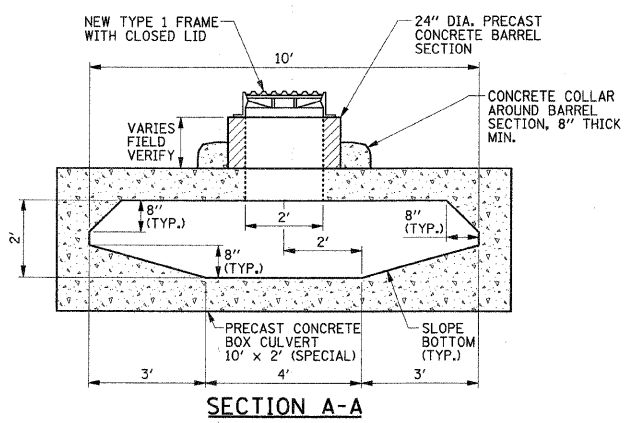


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	163
STA.		TO STA.		
		ILLINOIS F.A. PROJ. NO. RS-HPP-1805(00)		
CONTRACT NO. 91368				

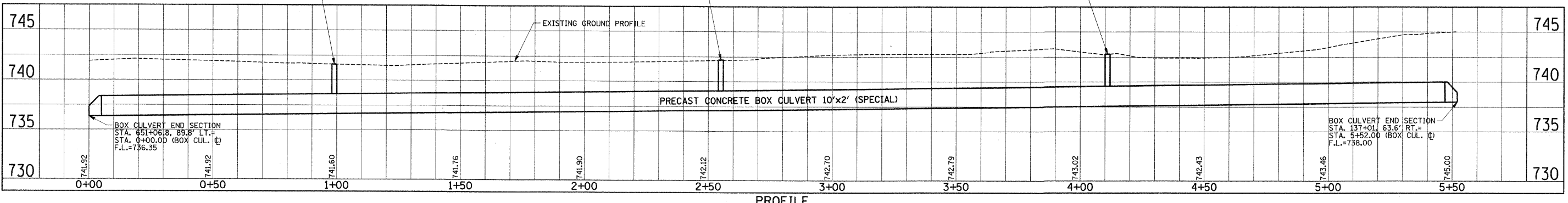
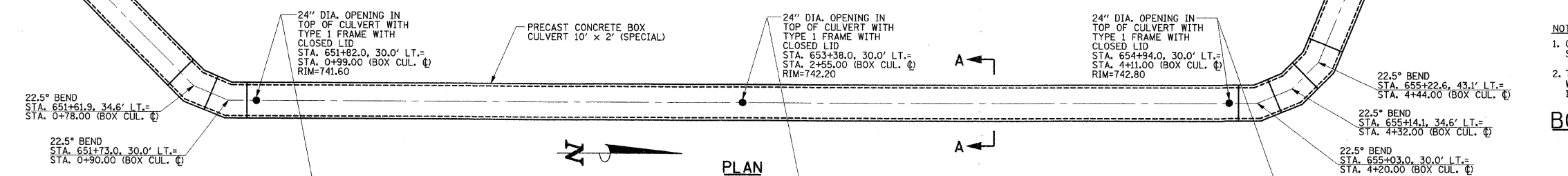
- NOTES:**
1. THE PRECAST CONCRETE BOX CULVERT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 540 OF THE STANDARD SPECIFICATIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR THE BOX CULVERT AND THE END SECTIONS.
  2. THE LENGTHS OF THE CULVERT SECTIONS AND BENDS SHALL BE DETERMINED BY THE MANUFACTURER. THE EXACT STATIONS AND OFFSETS SHOWN FOR THE ENDS AND BENDS OF THE CULVERT AND THE ACCESS OPENINGS MAY BE SLIGHTLY ADJUSTED WITH THE APPROVAL OF THE ENGINEER AND SHALL BE SHOWN ON THE SHOP DRAWINGS.
  3. THE 24" DIAMETER ACCESS OPENINGS SHALL HAVE EXTRA REINFORCEMENT AS SHOWN ON THE DETAIL "BOX CULVERT PIPE OPENING REINFORCEMENT". THE ACCESS OPENINGS SHALL BE DETAILED ON THE SHOP DRAWINGS.
  4. THE SPECIAL CROSS SECTION SHAPE FOR THE BOX CULVERT WILL NOT BE REQUIRED FOR THE END SECTIONS. NON-SHRINK GROUT SHALL BE USED IN THE UPSTREAM END SECTION TO TRANSITION THE BOTTOM HAUNCH SHAPE TO MATCH THE BOTTOM HAUNCHES OF THE BOX CULVERT.
  5. THE COST OF CONSTRUCTING THE SPECIAL BOX CULVERT SHAPE, BENDS IN THE CULVERT, ACCESS OPENINGS, ADDITIONAL REINFORCEMENT, CONCRETE BARREL SECTIONS, CONCRETE COLLARS, AND FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE BOX CULVERT.



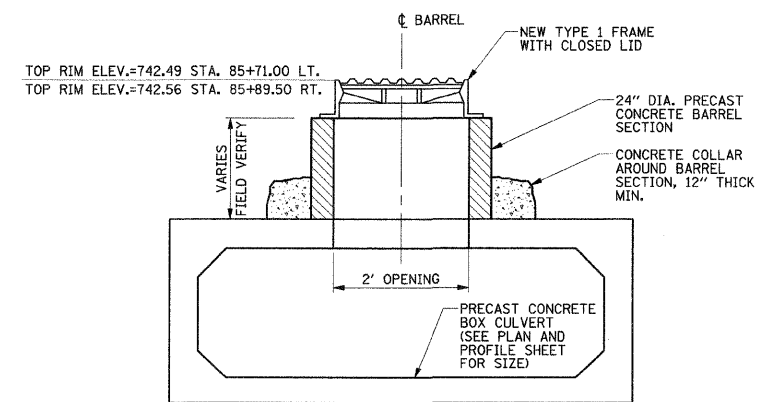
- NOTES:**
1. C = THE REQUIRED LENGTH FOR LAPPED SPLICES FOR BARS OR STANDARD HOOK IF FULL LAP LENGTH IS NOT POSSIBLE.
  2. THE COST OF THE PIPE OPENINGS AND EXTRA REINFORCEMENT WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE BOX CULVERT.

**BOX CULVERT PIPE OPENING REINFORCEMENT DETAIL**

BOX CULVERT END SECTION  
STA. 651+06.8, 89.8' LT.=  
STA. 0+00.00 (BOX CUL. ☉)  
F.L.=736.35



**P.C. BOX CULVERT 10' x 2' (SPECIAL) DETAIL**  
SCALE: 1"=20' HOR., 1"=5' VERT.



- NOTES:**
1. THE 24" DIAMETER ACCESS OPENINGS SHALL HAVE EXTRA REINFORCEMENT AS SHOWN ON THE DETAIL "BOX CULVERT PIPE OPENING REINFORCEMENT". THE ACCESS OPENINGS SHALL BE DETAILED ON THE SHOP DRAWINGS.
  2. THE COST OF CONSTRUCTING THE BOX CULVERTS WITH ACCESS OPENINGS, ADDITIONAL REINFORCEMENT, CONCRETE BARREL SECTIONS, CONCRETE COLLARS, AND FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE BOX CULVERTS.

**P.C. BOX CULVERT ACCESS OPENING DETAIL**  
STA. 85+71.00, 73.47' LT. AND STA. 85+89.50, 72.52' RT.

ILLINOIS DEPARTMENT OF TRANSPORTATION

**P.C. BOX CULVERT DETAILS**

DATE: 10-08  
DRAWN BY: J.L.B.  
CHECKED BY: R.L.H.  
SCALE: NONE