

CONSTRUCTION SEQUENCE

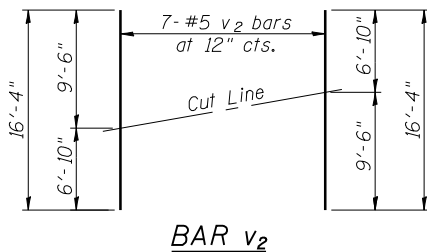
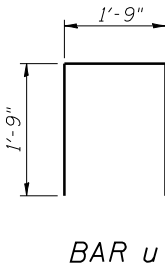
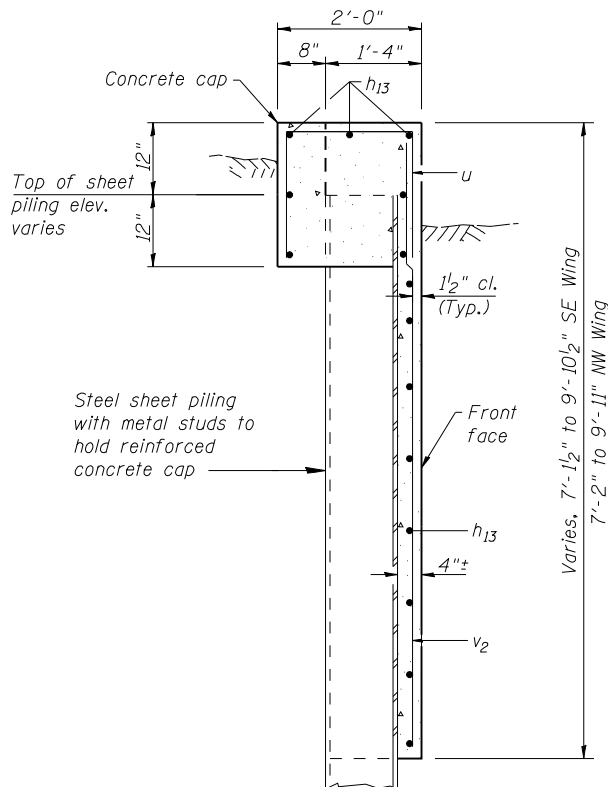
1. Excavate site for box culvert wingwall and steel sheet piling wall.
2. Backfill with rock fill as shown on the plans.
3. Construct box culvert wingwall and include water seal in concrete pour.
4. Install 1/2" PJF with concrete nails.
5. Install Permanent Steel Sheet Piling.
6. Backfill behind box culvert wingwall and Permanent Steel Sheet Piling.
7. Construct concrete cap.
8. Complete backfill in front of and behind walls.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₁₃	30	#5	6'-2"	
u	14	#4	5'-3"	□
v ₂	7	#5	16'-4"	
Concrete Box Culverts			Cu. Yd.	4.2
Reinforcement Bars			Pound	360
Permanent Steel Sheet Piling			Sq. Ft.	286

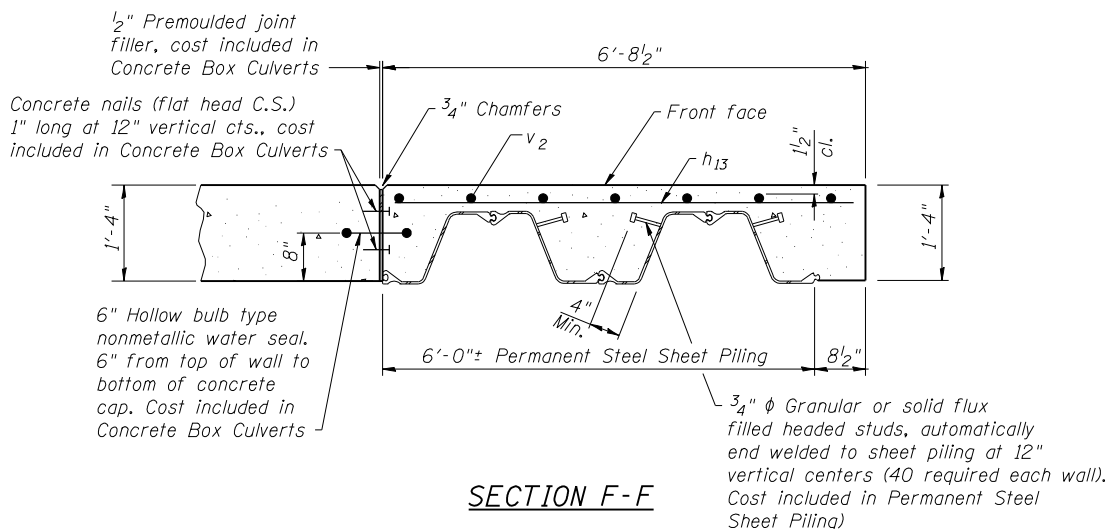
NOTES

1. The quantity of concrete for the sheet piling cap is included in Concrete Box Culverts.
2. The cost of supplying and installing the shear studs is included in Permanent Steel Sheet Piling.



FIELD CUTTING DIAGRAM

Order v₂ full length. Cut as shown and use remainder of bars in opposite wall.



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STEEL SHEET PILING WALL DETAILS
STRUCTURE NO. 039-2029**

SHEET NO. 6 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	123B-4	JACKSON	58	29
CONTRACT NO. 78197				
ILLINOIS FED. AID PROJECT				



USER NAME = RJT	DESIGNED - RDP 09/11	REVISED -
ESCA PROJECT NO. 988.08	CHECKED - JAF 09/11	REVISED -
PLOT SCALE = 0.2" = 1' / IN.	DRAWN - DWH 11/11	REVISED -
PLOT DATE = 11/16/2011 9:53:27 AM	CHECKED - RDP 11/11	REVISED -