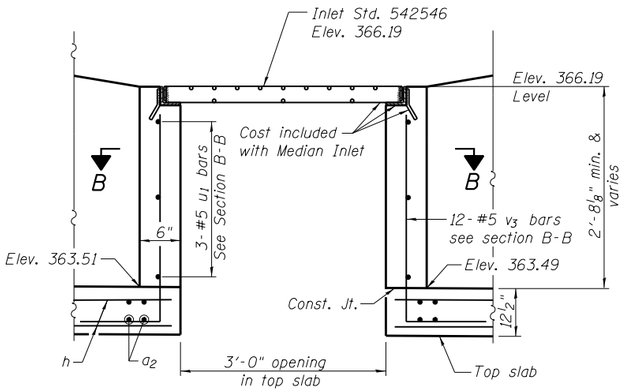
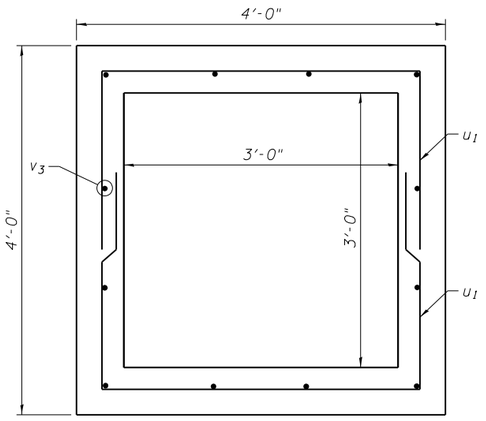
CONSTRUCTION SEQUENCE

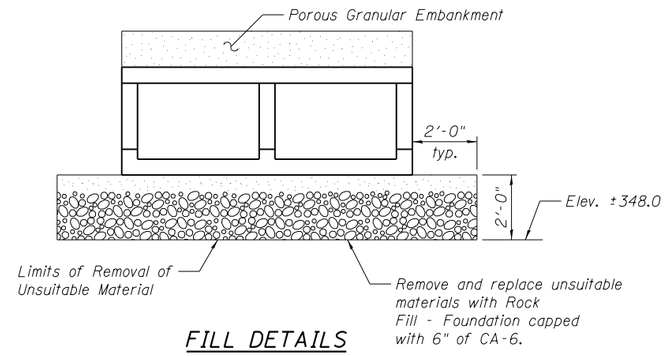
1. Excavate site for box culvert wingwall and steel sheet piling wall.
2. Backfill with Rock Fill - Foundation as shown on the plans.
3. Construct box culvert and wingwall and include water seal in concrete pour.
4. Install ½" PJF with concrete nails.
5. Install Permanent Steel Sheet Piling.
6. Backfill behind box culvert wingwall and Permanent Steel Sheet Piling.
7. Construct concrete cap.
8. Complete backfill in front of and behind walls.



INLET OPENING DETAIL



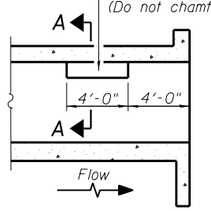
SECTION B-B



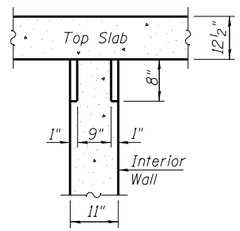
FILL DETAILS

(Dimensions at Rt. L's to ℄ Structure)

Notch formed by rough finished board attached to and removed with form work, each interior wall. (Do not chamfer).



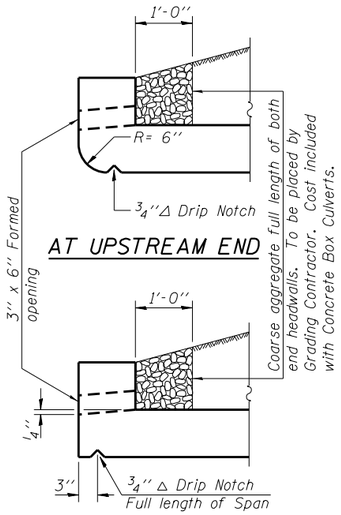
LONGITUDINAL SECTION



SECTION A-A

PHOEBE NESTING SITE DETAILS

(Downstream End Only)



AT UPSTREAM END

AT DOWNSTREAM END

DRAIN DETAIL

Notes:

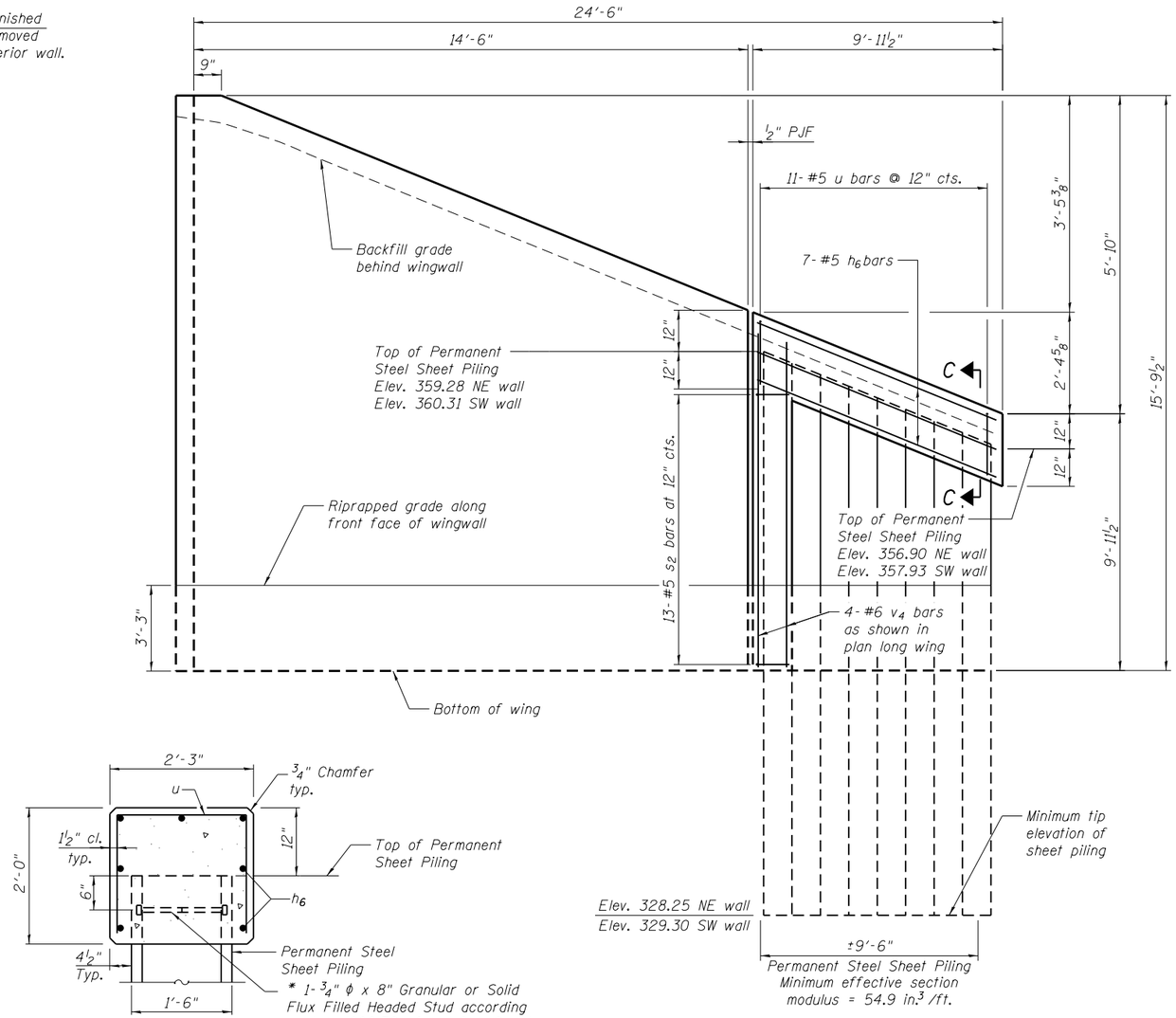
The details for the concrete cap and reinforcement, and the required number of stud shear connectors are based on section SKZ 33 sheet piling. If the Contractor chooses to use any other section, then the Contractor shall submit revised concrete cap and reinforcement configuration for approval by the engineer. Such changes shall not be cause for additional compensation.

The quantity of concrete for the sheet piling cap and the Inlet is included in Concrete Box Culverts.

The cost of supplying and installing the shear studs is included in Permanent Steel Sheet Piling.

Horizontal dimensions measured along face of wingwall.

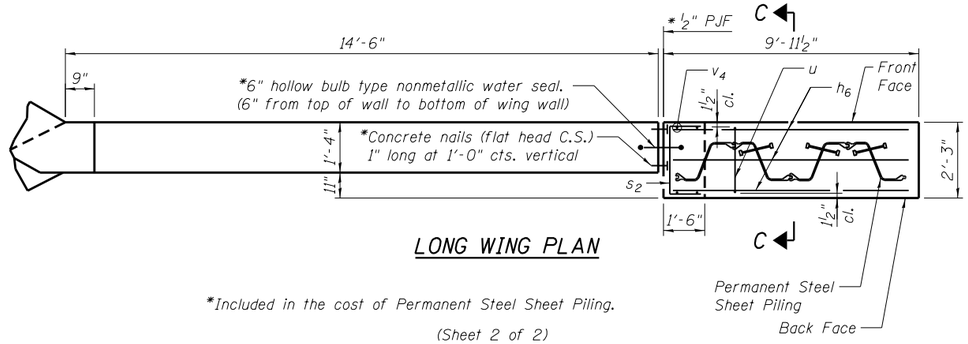
For details of Reinforcement Bars and Bill of Material, see sheet 4 of 7.



LONG WING ELEVATION

(Looking at Front Face)

SECTION C-C



LONG WING PLAN

*Included in the cost of Permanent Steel Sheet Piling.

LIN ENGINEERING, LTD. Consulting Engineers, Springfield, Illinois	USER NAME =	DESIGNED - RPW	REVISED
	FILE NAME =	CHECKED - LMS	REVISED
	PLOT SCALE =	DRAWN - AJF	REVISED
	PLOT DATE =	CHECKED - LMS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 083-2023
SHEET NO. 5 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(29,30)R-1	SALINE	745	470
		CONTRACT NO. 78077		
	ILLINOIS FED. AID PROJECT			