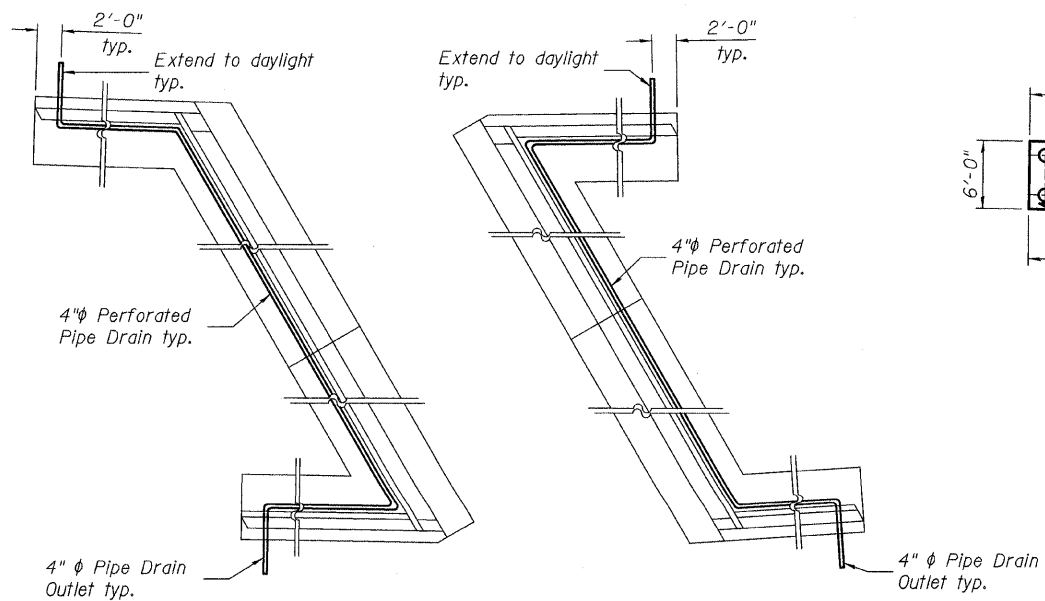
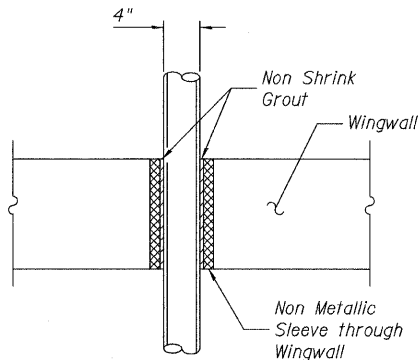


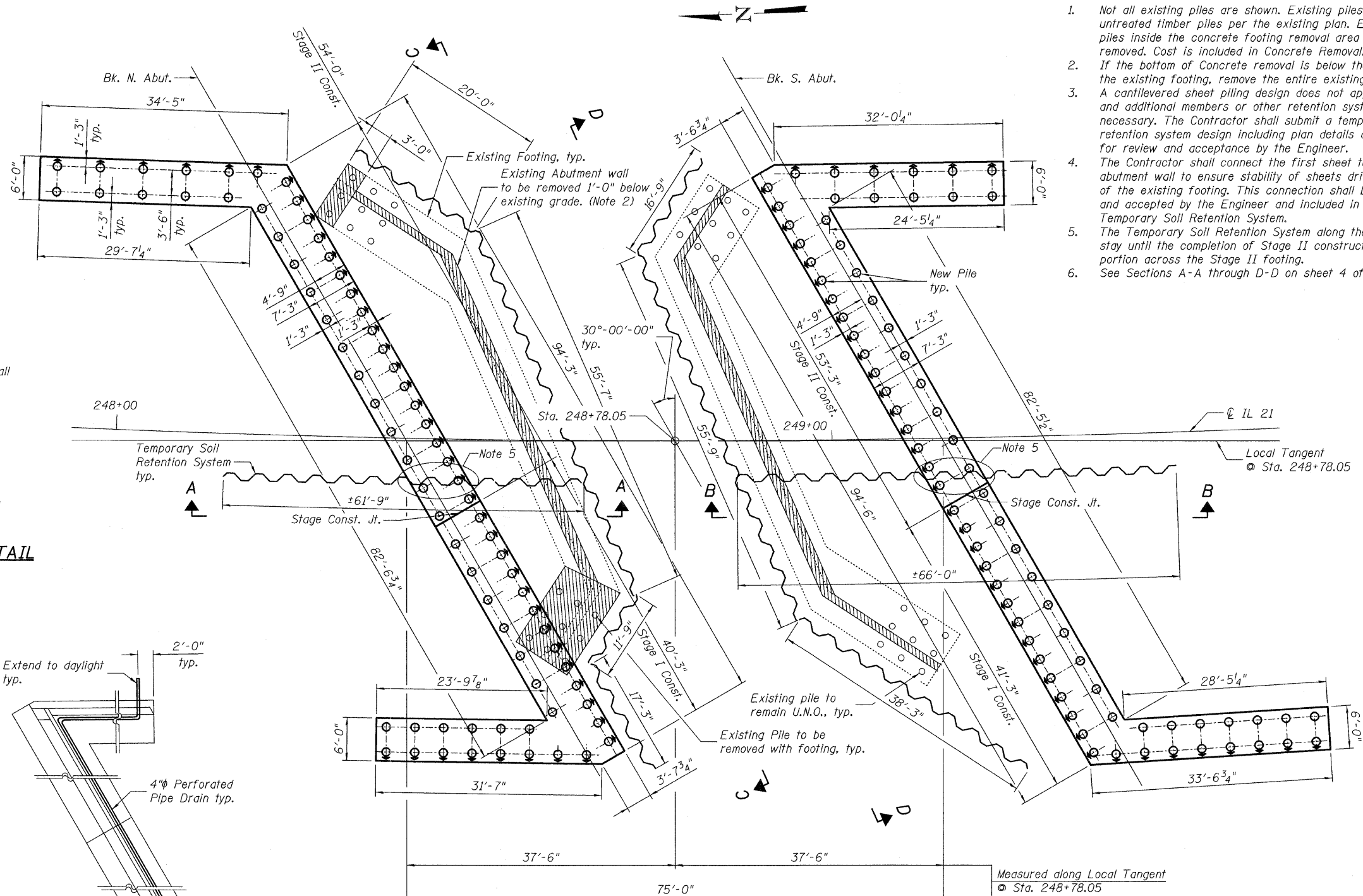
Notes:

1. Not all existing piles are shown. Existing piles are untreated timber piles per the existing plan. Existing piles inside the concrete footing removal area will be removed. Cost is included in Concrete Removal.
2. If the bottom of Concrete removal is below the top of the existing footing, remove the entire existing footing.
3. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
4. The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Soil Retention System.
5. The Temporary Soil Retention System along the roadway will stay until the completion of Stage II construction, except the portion across the Stage II footing.
6. See Sections A-A through D-D on sheet 4 of 43.

**PIPE DRAIN THRU WINGWALL DETAIL**  
(Shift Reinforcing around outlet in Wingwall)



**PIPE DRAIN LAYOUT PLAN**



**SUBSTRUCTURE LAYOUT PLAN**

**LEGEND**

- Concrete Removal
- Metal Shell 14"φ x 0.25" wall
- Battered Metal Shell 14"φ x 0.25" wall

FILE NAME = 8498199-60953-003-StageConstSub.dgn	USER NAME =	DESIGNED - JY	REVISED -
		CHECKED - WPM	REVISED -
		DRAWN - JY	REVISED -
		CHECKED - WPM	REVISED -
PLOT SCALE =			
PLOT DATE = 12/28/2010			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION - SUBSTRUCTURE  
STRUCTURE NO. 049-0199

SHEET NO. 3 OF 43 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	245
CONTRACT NO. 60953			ILLINOIS FED. AID PROJECT	

