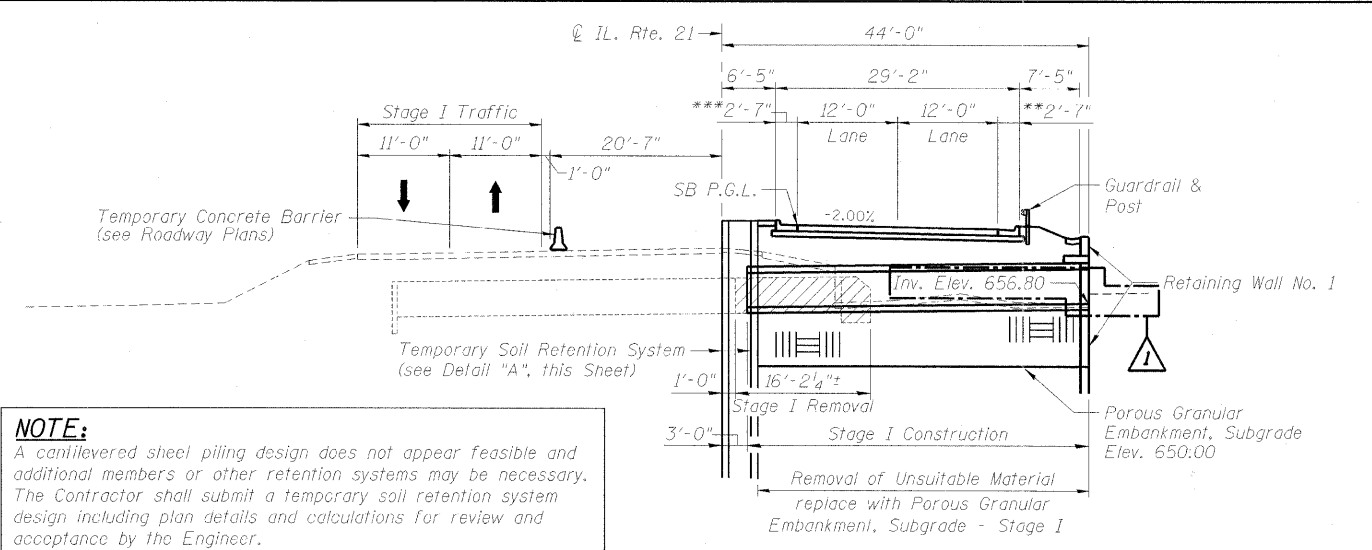
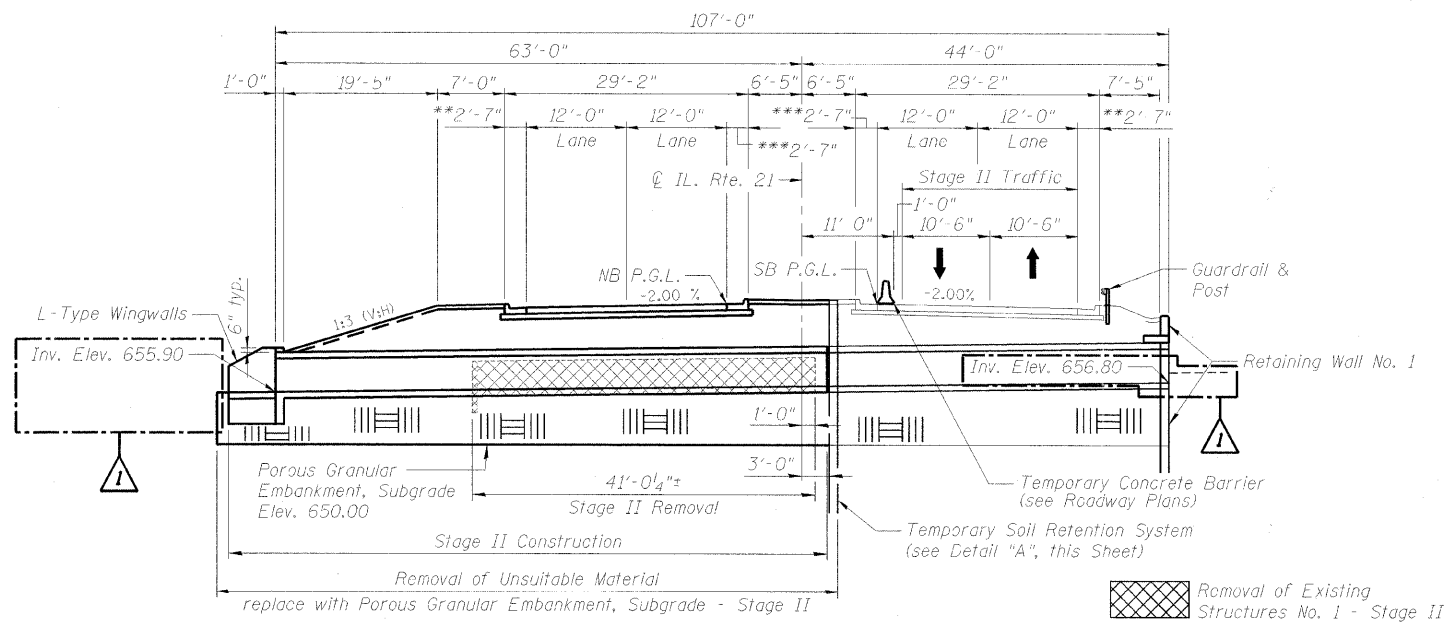


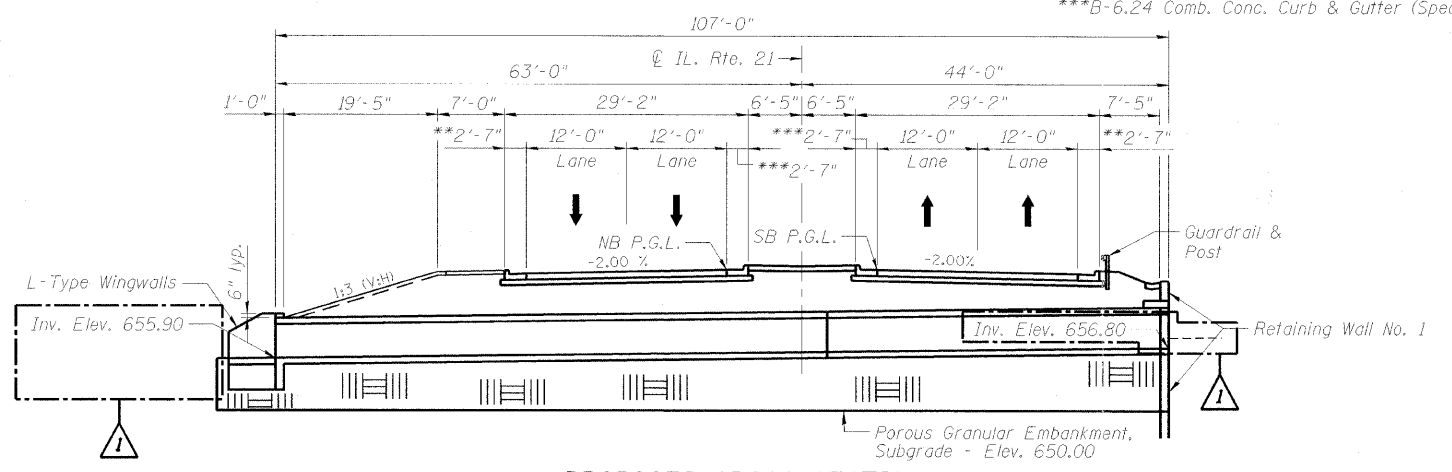
NOTE:
 A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



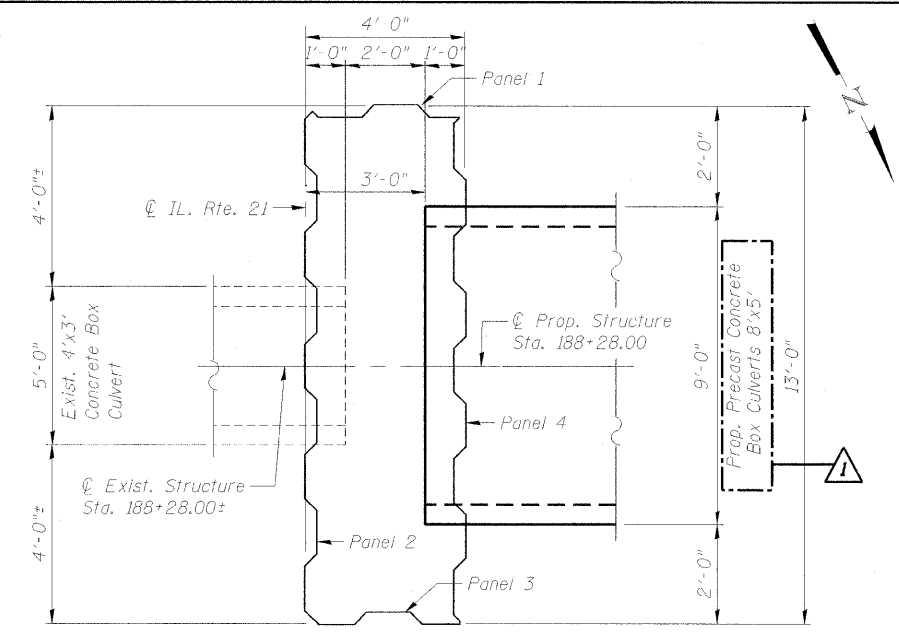
STAGE I CONSTRUCTION



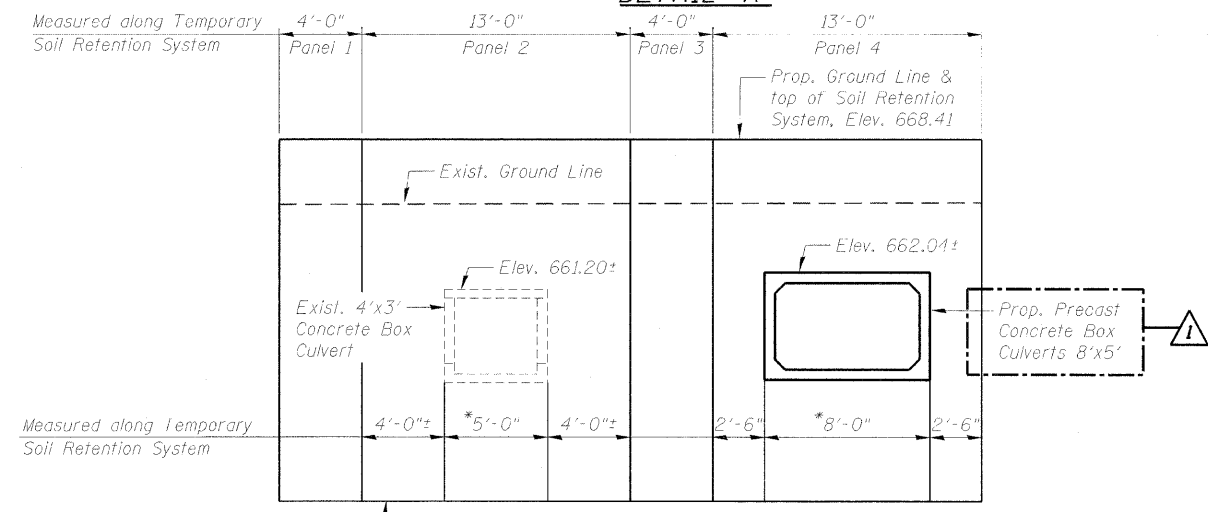
STAGE II CONSTRUCTION



PROPOSED CROSS SECTION



DETAIL "A"



**ELEVATION OF PANELS
 TEMPORARY SOIL RETENTION SYSTEM**

STAGE I CONSTRUCTION SEQUENCE

1. Install Temporary Soil Retention System Panels 1, 2 & 3.
2. Remove existing precast concrete box culvert. See Stage Construction Details & limits of removal, this Sheet.
3. Excavate to limits as shown in Elevation, see Sht. SCI-1.
4. Install Porous Granular Embankment, Subgrade in the excavated area.
5. Install new precast concrete box culvert. See Stage Construction Details & limits of replacement, this Sheet.
6. Install Temporary Soil Retention System Panel 4.
7. Install Stage I portion of the new Roadway.

STAGE II

1. Remove existing precast concrete box culvert. See Stage Construction Details & limits of removal, this Sheet.
2. Remove Temporary Soil Retention System Panels 1, 2 & 3.
3. Excavate to limits as shown in Elevation, see Sht. SCI-1.
4. Install Porous Granular Embankment, Subgrade in the excavated area.
5. Install new precast concrete box culvert. See Stage Construction Details & limits of replacement, this Sheet.
6. Remove Temporary Soil Retention System Panel 4
7. Install Stage II portion of the new Roadway.

*Do not disturb soil under the existing & proposed culverts during placement of Temporary Soil Retention System

**STAGE CONSTRUCTION DETAILS
 STRUCTURE NO. 049-0239
 OUTLET NO. 14**



FILE NAME = D168953-02-stage.const.det.dgn	USER NAME =	DESIGNED - J.C.N./B.N.S.	REVISED - 9/2/2011 J.C.N.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS STRUCTURE NO. 049-0239	F.A.P. RTE. = 330	SECTION = 128R-3	COUNTY = LAKE	TOTAL SHEETS = 518	SHEET NO. = 353
PLOT SCALE =	CHECKED - B.N.S.	REVISED -	CONTRACT NO. = 60953							
PLOT DATE =	DRAWN - F.M.	REVISED -	ILLINOIS FED. AID PROJECT							
	CHECKED - B.N.S./J.C.N.	REVISED -								