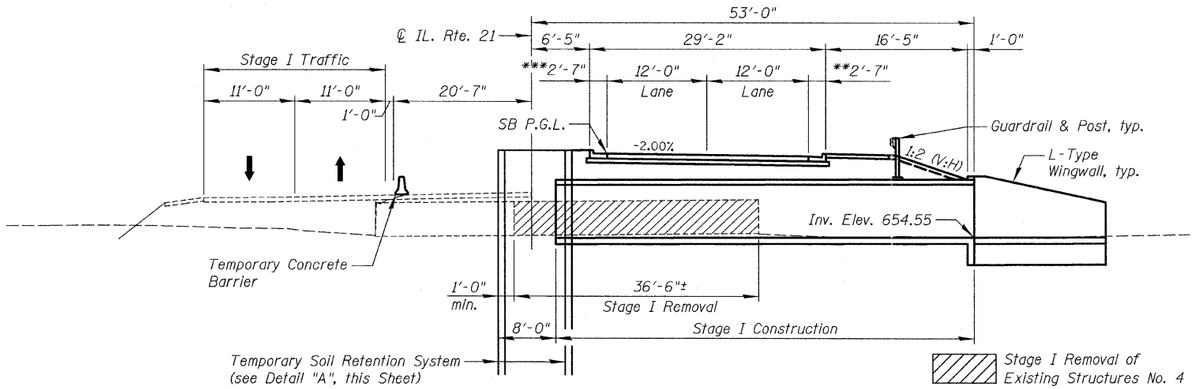
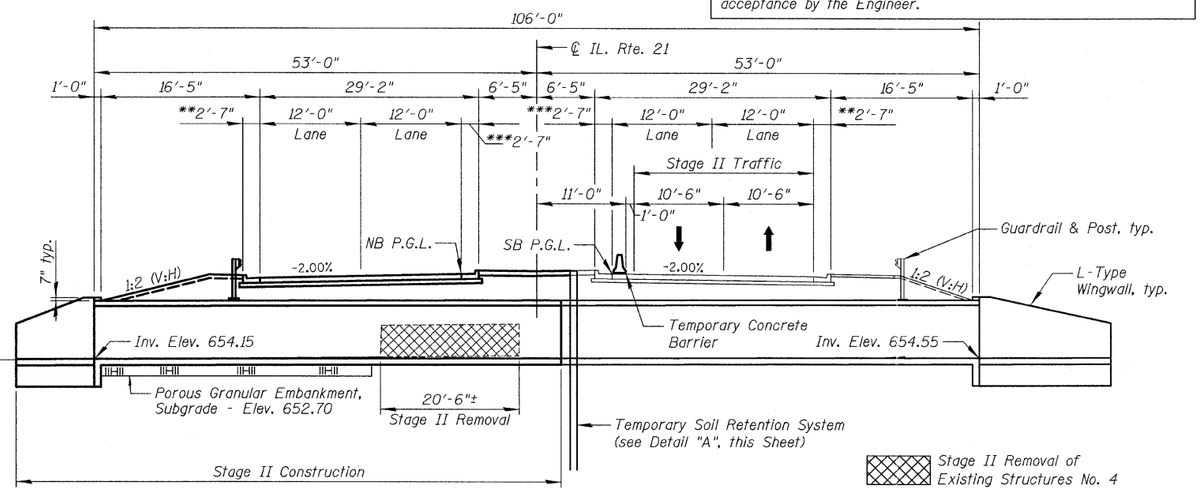


STAGE I CONSTRUCTION

Dimensions at Rt. L to ℄ IL. Rte. 21

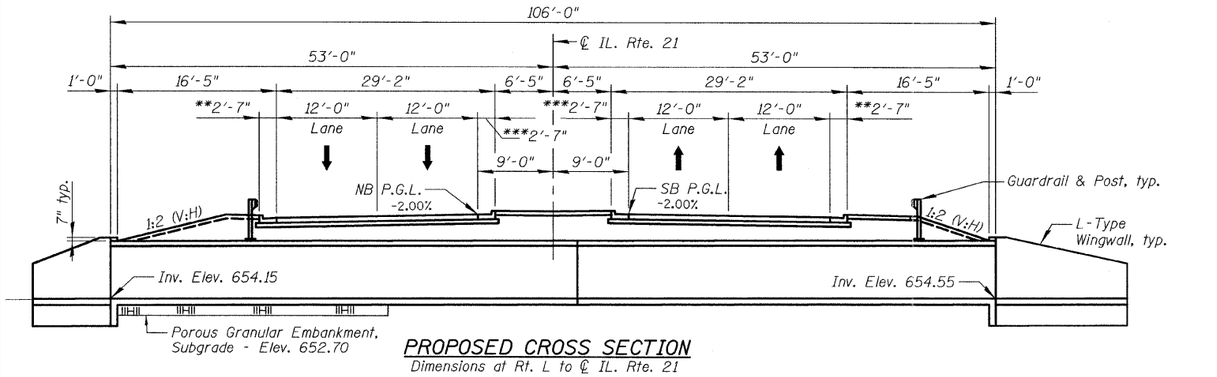
NOTE:
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



STAGE II CONSTRUCTION

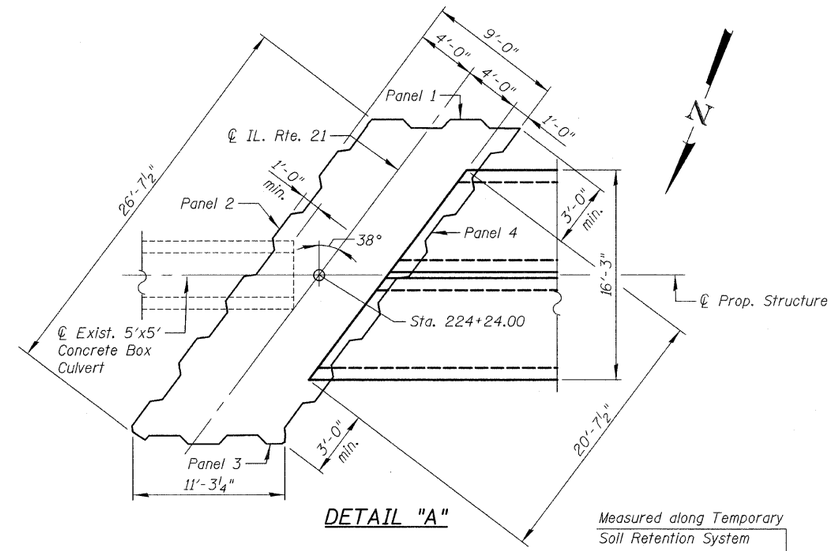
Dimensions at Rt. L to ℄ IL. Rte. 21

**B-6.24 Comb. Conc. Curb & Gutter
***B-6.24 Comb. Conc. Curb & Gutter (Special)

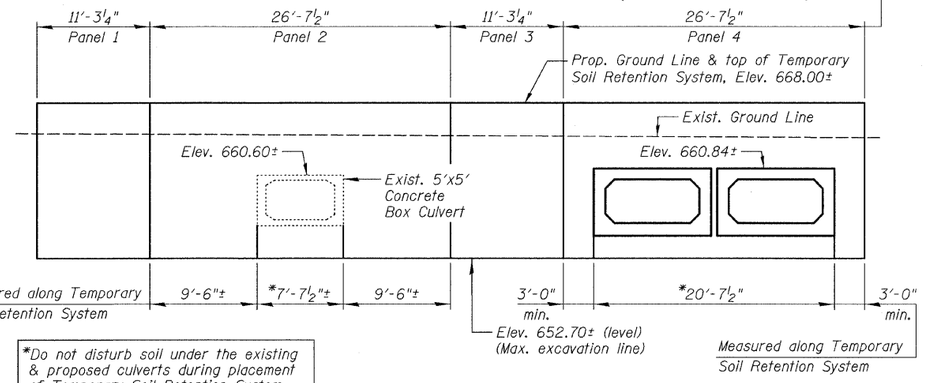


PROPOSED CROSS SECTION

Dimensions at Rt. L to ℄ IL. Rte. 21



DETAIL "A"



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

ELEVATION OF PANELS TEMPORARY SOIL RETENTION SYSTEM

CONSTRUCTION SEQUENCE

STAGE I

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. SC4-1.
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. SC4-1.
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.

STAGE CONSTRUCTION DETAILS STRUCTURE NO. 049-0241 OUTLET NO. 18

CHRISTIAN-ROGE & ASSOCIATES, INC.

FILE NAME = D160953-02-stage_const_det.dgn	USER NAME =	DESIGNED - J.C.N./B.N.S.	REVISED -	
		CHECKED - B.N.S.	REVISED -	
	PLOT SCALE =	DRAWN - F.M.	REVISED -	
	PLOT DATE =	CHECKED - B.N.S./J.C.N.	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 049-0241
SHEET NO. SC4-2 OF SC4-5 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	366
		CONTRACT NO. 60953		
		ILLINOIS FED. AID PROJECT		