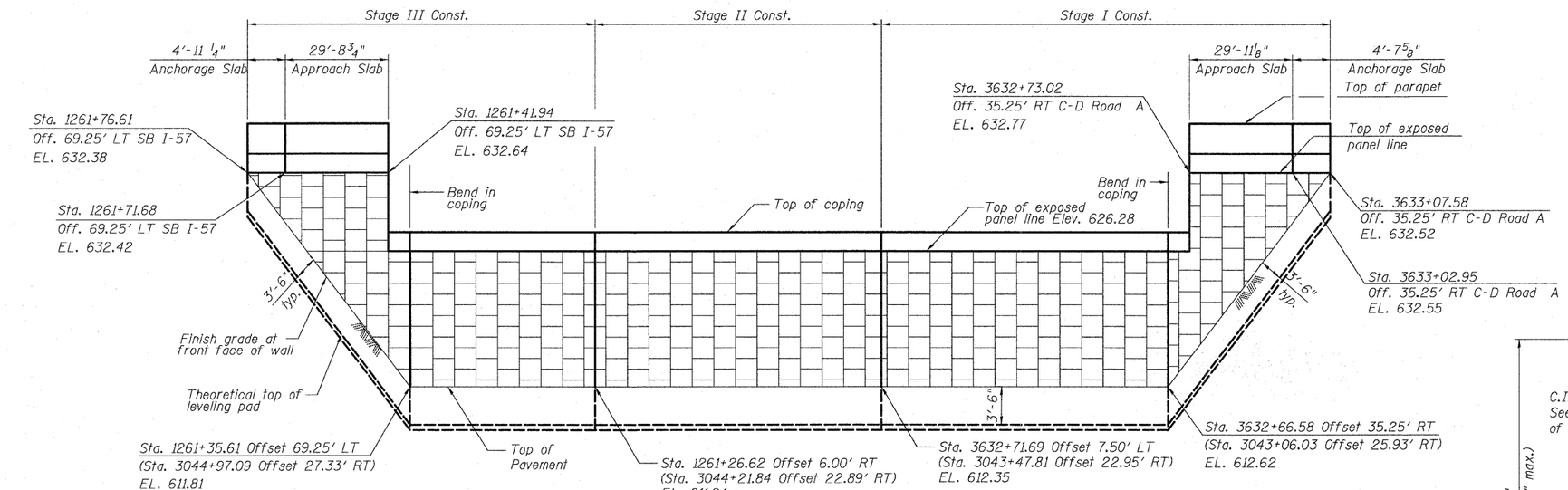
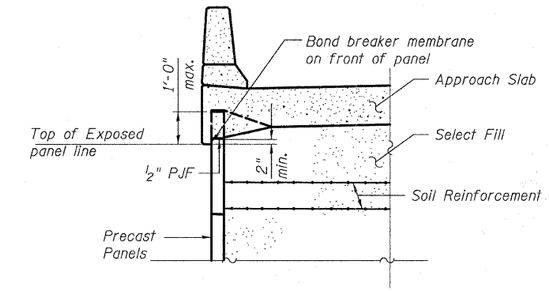
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



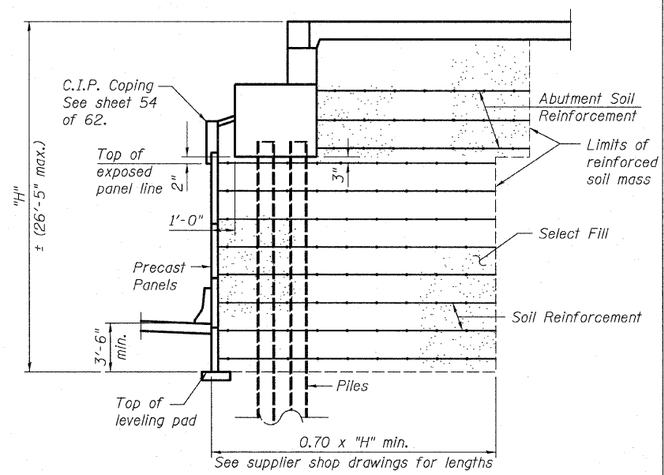
EAST ABUTMENT WALL

Developed elevation along front face

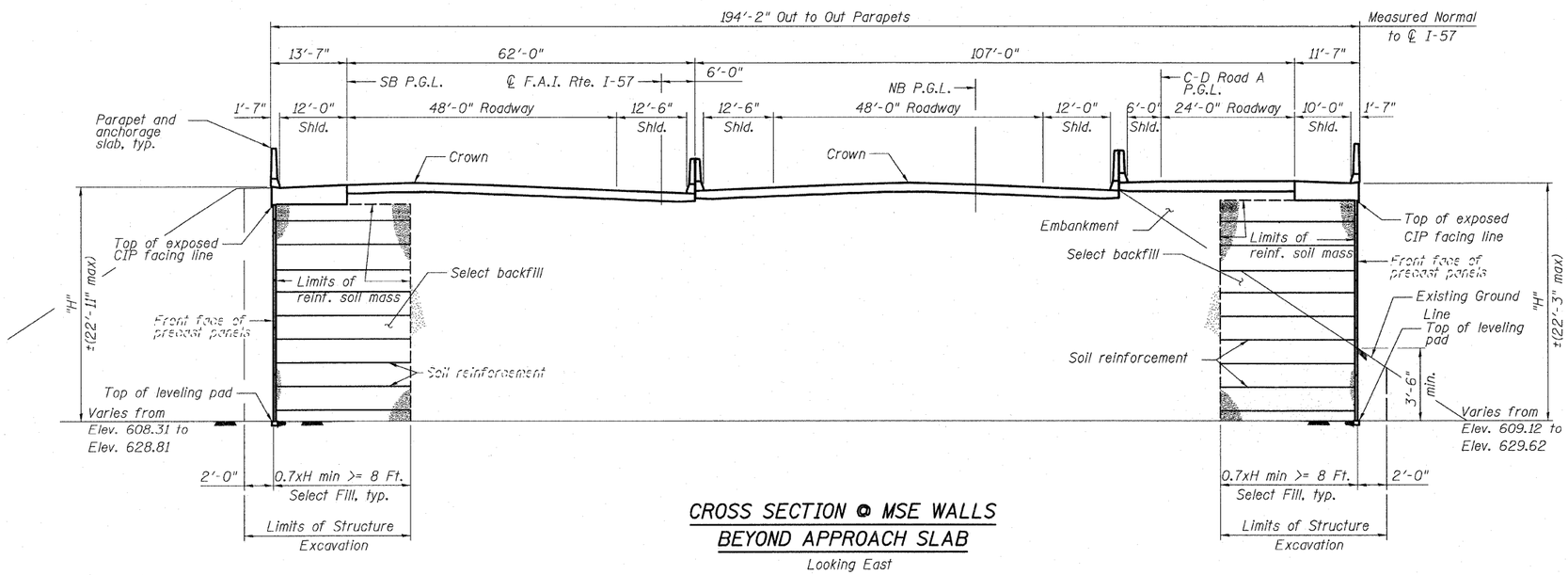


SECTION THRU BARRIER

The M.S.E. wall supplier's internal stability design shall account for the slabs bearing pressure surcharge of 1.0 ksf and horizontal sliding force of 0.5 kips/ft of wall.



SECTION THRU ABUTMENT



CROSS SECTION @ MSE WALLS BEYOND APPROACH SLAB

Looking East

NOTES

The MSE wall supplier shall design the abutment soil reinforcement to resist a horizontal force of 2.0 kips/ft of abutment.

Piles shall be driven prior to placement of the reinforced select fill and coated with coal tar epoxy from the bottom of the select fill to 1" above the base of the abutment. The cost of the coal for epoxy coating shall be included with the cost of the Furnishing Piles.

See Special Provision for Mechanical Stabilized Earth Retaining Wall design and construction requirements.

Offsets are to Front Face of precast panels.

For coping details, see sheet 54 of 62.

For anchorage slab details, see sheet 35 of 62.

EAST MECHANICALLY STABILIZED EARTH RETAINING WALL S.N. 016-1252

TYLIN INTERNATIONAL

DESIGNED	-	DY
CHECKED	-	AD,LS
DRAWN	-	DY,EI
CHECKED	-	LS,SP,PDF
DATE	-	03/18/10

REVISIONS	
NAME	DATE

SHEET NO. 53
62 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	366
		CONTRACT NO. 60J27		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

P:\602540(57-294)\STRUCTURAL\I-57 OVER RAMP B\final submittal 03-17-2010\final submittal 03/17/2010\016125Z-60J27-053-E_MSE_WALL.dgn 9:54:59 AM

3/18/2010