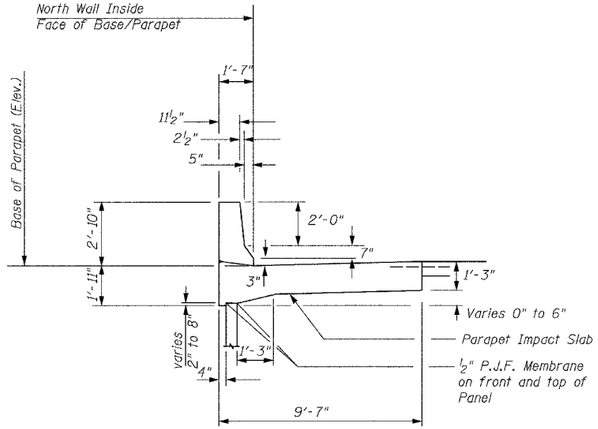
CONTRACT #91292

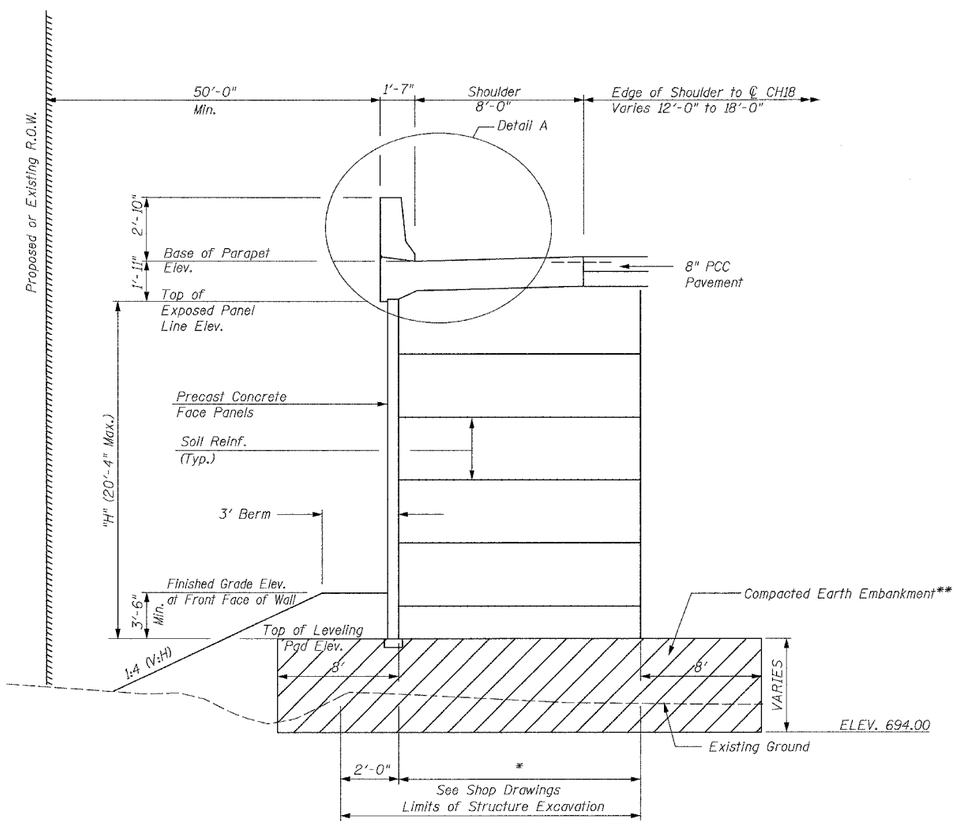
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	99-00124-01-PV	COLES	157	107
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Sheet 2 of 3 Sheets



DETAIL A

The M.S.E. supplier's internal stability design shall account for the Parapet Impact Slabs bearing pressure of 1070 lbs/sq. ft. and Horizontal sliding force of 476 lbs./ft. of wall.



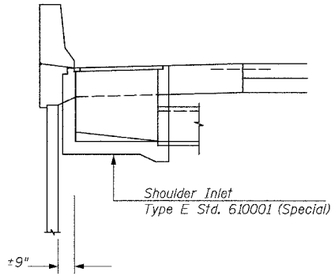
* Sta. 123+83.05 to Sta. 124+80 = 0.7 "H" > 8'-0" Min.
Sta. 124+80 to Sta. 126+82 = 1.0 "H" > 8'-0" Min.
Sta. 126+82 to Sta. 131+83 = 0.7 "H" > 8'-0" Min.
Sta. 131+83 to Sta. 133+73 = 1.0 "H" > 8'-0" Min.
Sta. 133+73 to Sta. 134+50 = 0.7 "H" > 8'-0" Min.

** Coarse Aggregate Embankment, Special shall be used when the wall height "H" is greater than 20'

SECTION A-A TYPICAL WALL SECTION

Notes:
Locations, sizes & elevations of main Drainage Structures are defined in the Roadway Drainage Plans.

MSE Supplier to Design Load Transfer systems for all Drainage Structures and Storm Sewer Pipes.



SECTION THRU DRAINAGE STRUCTURES

GENERAL NOTES

For Wall Heights "H" 13'-1" or less

(Sta. 123+83 to Sta. 124+80)
(Sta. 133+73 to Sta. 134+50)

New fill material under MSE system may consist of compacted earth embankment exhibiting an unconfined compressive strength (Qu) of 1.5 tsf.

For Wall Heights "H" Greater than 13'-1" up to 18'-1"

(Sta. 124+80 to Sta. 126+82)
(Sta. 131+83 to Sta. 133+73)

New fill material under MSE system shall consist of compacted earth embankment exhibiting an unconfined compressive strength (Qu) of 1.5 tsf.

For Wall Heights "H" Greater than 18'-1"

(Sta. 126+82 to Sta. 131+83)

New fill material under MSE system shall consist of Coarse Aggregate Embankment, Special exhibiting a minimum angle of internal resistance of 31 degrees.

THE UPCHURCH GROUP
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WALL DETAILS
RETAINING WALL ON CH 18
FAS 642 SECTION 99-00124-01-PV
COLES COUNTY STR. No. 015-3412
STA. 123+53.07 TO STA. 135+50.07

SCALE:
DRAWN BY LMP
DATE: 1-21-2004
CHECKED BY