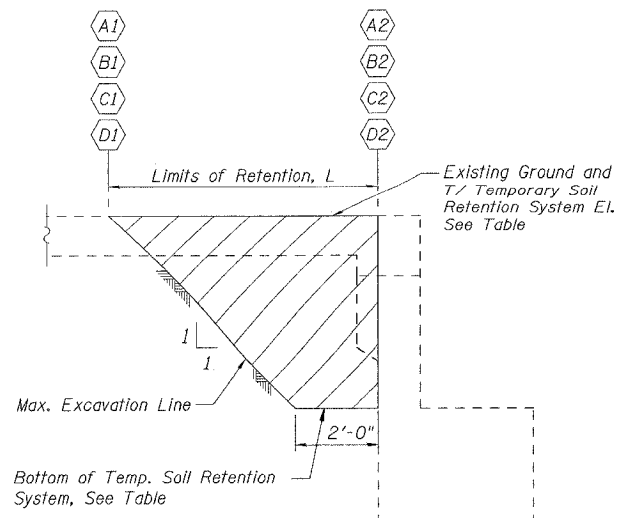


CONTRACT NO. 60B86					
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
55	2006-032 BY	WILL	505	265	
STA. TO STA.			ILLINOIS FED. AID PROJECT		



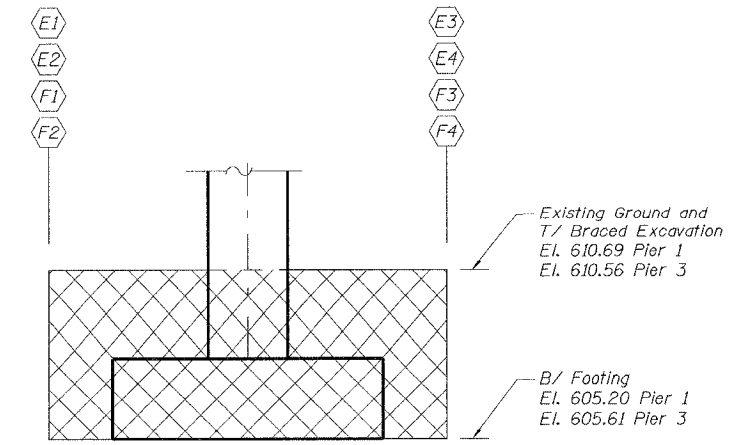
TEMPORARY SOIL RETENTION SYSTEM

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.

Theoretical Limits and Pay Limits of Temporary Soil Retention System

TEMPORARY SOIL RETENTION SYSTEM LOCATIONS
(Reference § I-55)

Location	Station	Offset (ft.)	Top El.	Bott. El.	L (ft.)
A1	586+73.23	26.08 Lt.	629.62	625.12	6.50
A2	586+77.73	26.08 Lt.	629.69	625.23	6.50
B1	586+88.45	26.08 Rt.	629.69	625.23	6.50
B2	586+92.91	26.08 Rt.	629.69	625.23	6.50
C1	588+68.73	26.08 Lt.	630.35	625.88	6.50
C2	588+73.20	26.08 Lt.	630.35	625.88	6.50
D1	588+83.91	26.08 Rt.	630.37	625.91	6.50
D2	588+88.37	26.08 Rt.	630.37	625.91	6.50



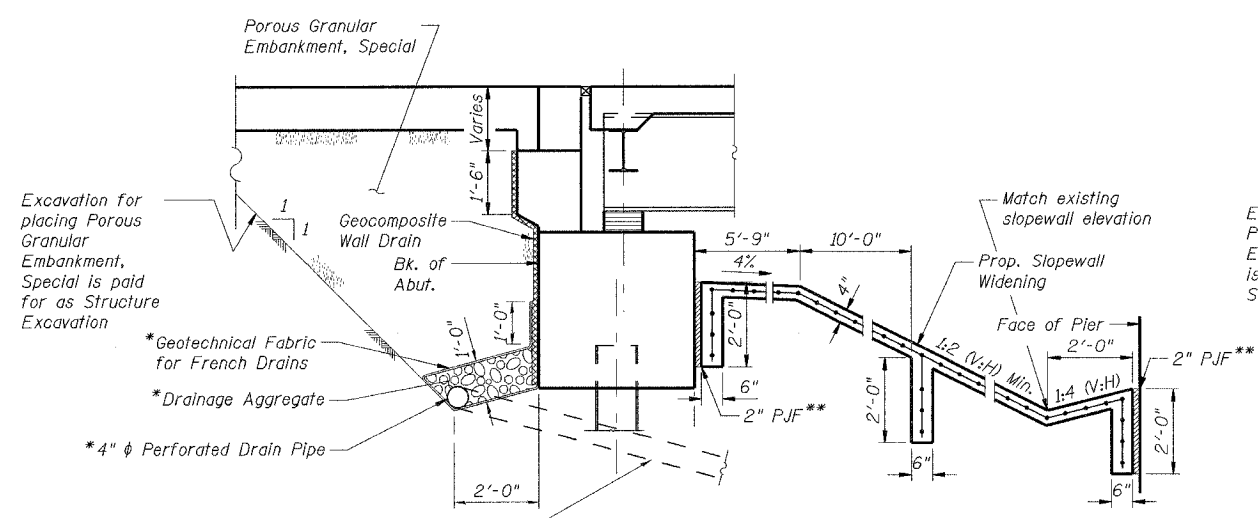
BRACED EXCAVATION

BRACED EXCAVATION LOCATIONS
(Reference § I-55)

Location	Station	Offset (ft.)
E1	587+18.49	7.38 Lt.
E2	587+23.80	10.87 Rt.
E3	587+35.80	7.38 Rt.
E4	587+30.49	10.87 Lt.
F1	588+25.83	7.38 Lt.
F2	588+31.14	10.87 Rt.
F3	588+43.14	7.38 Rt.
F4	588+37.83	10.87 Lt.

Limits of Braced Excavation

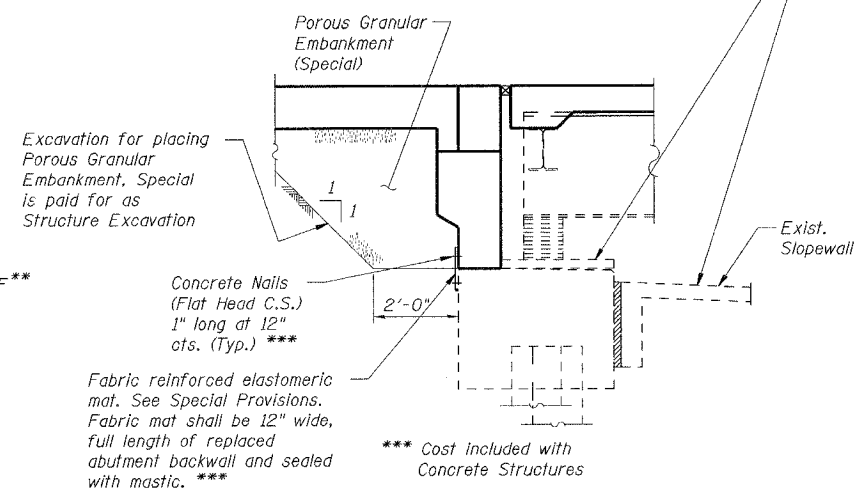
Existing slopewall exposed surfaces including ditches shall be broom cleaned. Existing north and south abutment seats at Beams E.9 and W.9 shall be broom cleaned. The contractor shall clean and regrade the area near the abutment seats as directed by the Engineer to enable water to drain away from the bridge seats. The cost for broom cleaning existing slopewalls and abutment seats and regrading near abutment seats shall be included with Slopewall 4 Inch.



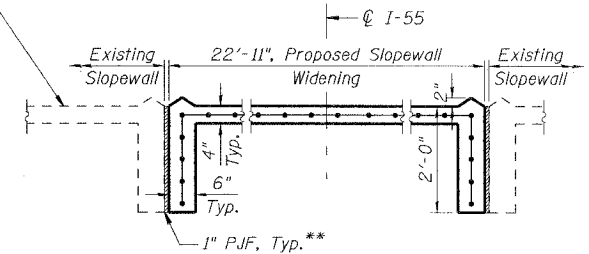
SECTION THRU SLOPEWALL AND BACKFILL AT ABUTMENT WIDENING

(Dimensions at Rt. Angles)

* Cost included with Pipe Underdrains for Structures 4".
** Cost included with Slopewall 4 Inch.



SECTION THRU SLOPEWALL AND BACKFILL AT EXISTING ABUTMENT



SECTION THRU SLOPEWALL WIDENING

(Dimensions along ϕ of Abut.)

Notes:
1. Work this sheet with Sht. SC-7 for location of Temporary Soil Retention System and Braced Excavation.

BILL OF MATERIAL

Item	Unit	Total
Slope Wall 4 Inch	Sq. Yd.	181
Temporary Soil Retention System	Sq. Ft.	78
Pipe Underdrains for Structures 4"	Ft.	90

SHT. SC-6 OF 38

REVISIONS	
NAME	DATE

MORCOM, N.V., INC.
CONSULTING ENGINEERS
CHICAGO, ILLINOIS

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAT ROUTE 55
US 30 (PLAINFIELD ROAD) TO LILY CACHE SLOUGH
SB & NB I-55 OVER US RTE. 30, S.N. 099-0016 & 099-0017
STA. 587+80.82, SECTION 2006-032 BY
WILL COUNTY

TEMPORARY SOIL RETENTION SYSTEM & MISCELLANEOUS DETAILS

SCALE: DRAWN BY PA
DATE 07/21/06 CHECKED BY MJK

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

PLOT DATE = 08/07/06
 PLOT SCALE = 1/4"=1'-0"
 USER NAME = MUSER