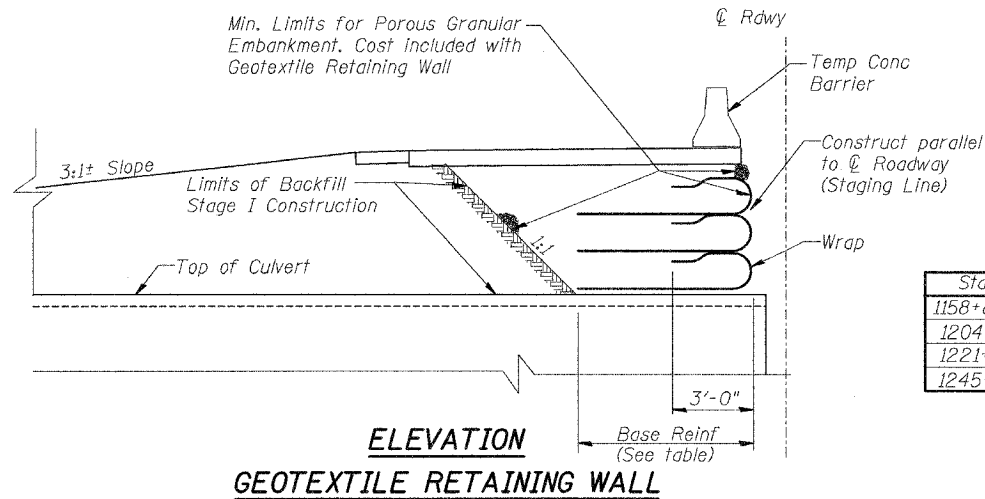


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

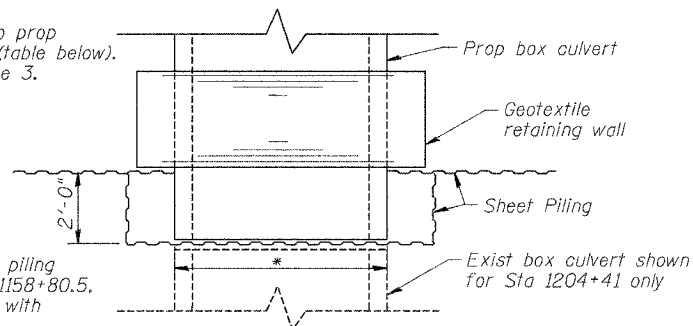
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328	5R, Y, RS-1	CLAY	242	56
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 74078				



Sta	Base Reinf	Wraps	Base of Each Wrap Above Culv	Area
1158+80.5	4.5'	1	0.0	6 sq ft
1204+41	4.5'	1	0.0	10 sq ft
1221+20	7'	4	0.0, 2.0, 4.0, 6.0	57 sq ft
1245+00	7'	4	0.0, 2.0, 4.0, 6.0	59 sq ft

ELEVATION
GEOTEXTILE RETAINING WALL

Note: Piles not adjacent to prop culvert driven to Tip El 3 (table below). To be removed during phase 3.

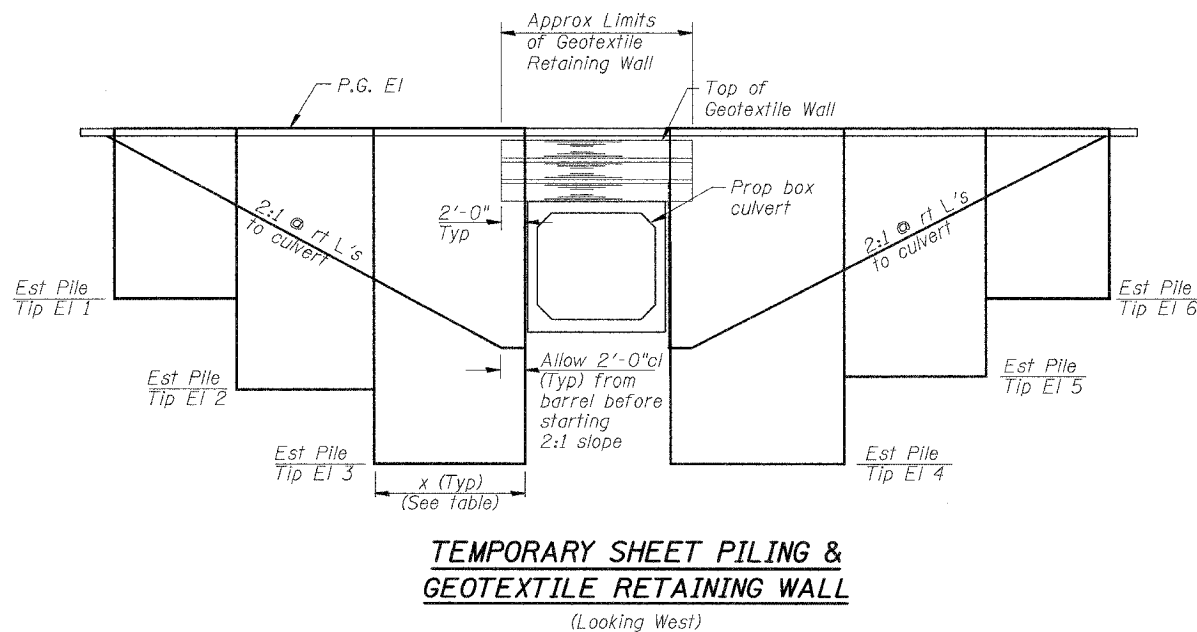


* Contractor to restrain sheet piling on top of exist box at Sta 1158+80.5, and 1204+41. (Cost included with temp sheet piling)
All other locations drive piling to Tip El 3 (table below).

SHEET PILING PLAN VIEW

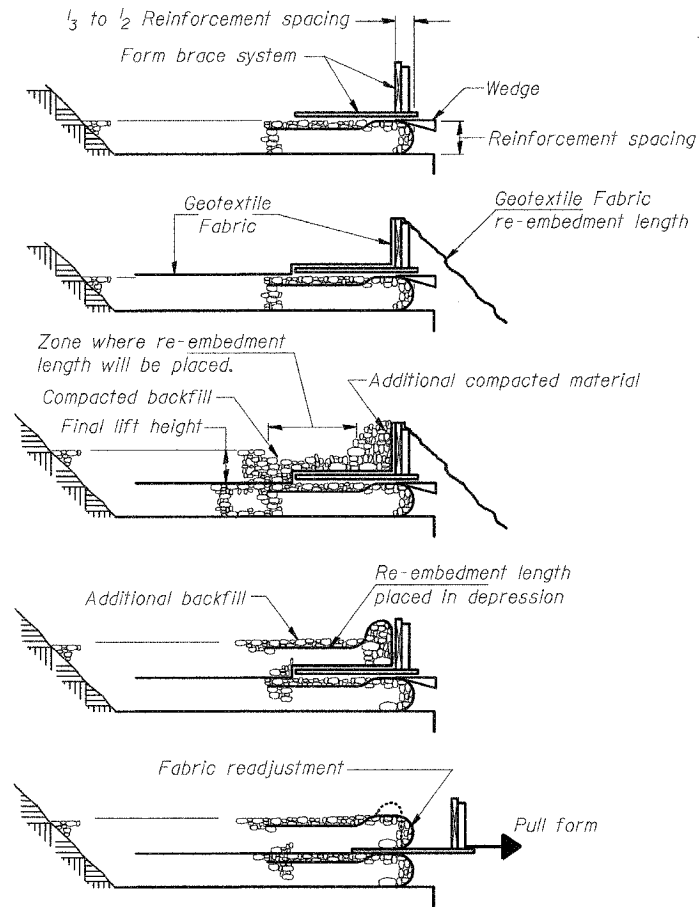
SHEET PILING NOTES

Sheet piling shall have a section modulus per foot of wall not less than 15 cu in/ft. If the contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans for lesser design requirements then, full design submittal with the required seals will be expected by the Department, for review and approval.



Sta	x	P.G. EL	Tip El 1	Tip El 2	Tip El 3	Tip El 4	Tip El 5	Tip El 6	SQ FT
1158+80.5	4'	496.76	493.94	490.94	487.94	487.94	490.94	493.94	140
1204+41	7'	484.48	478.97	473.97	467.97	467.97	473.97	478.97	456
1221+20	10'	474.38	465.38	457.38	449.38	449.38	457.38	465.38	1020
1245+00	10'	481.21	472.21	464.21	456.21	456.21	464.21	472.21	1020
TOTAL									2636

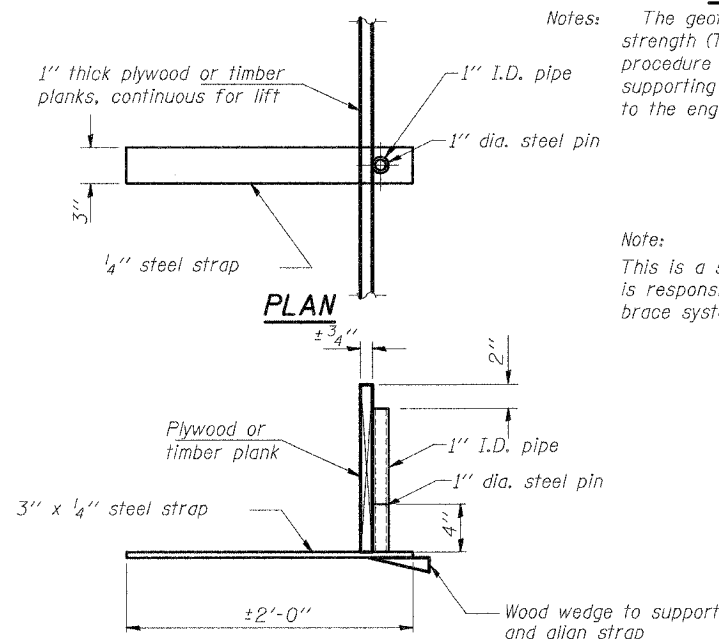
TEMPORARY SHEET PILING & GEOTEXTILE RETAINING WALL
(Looking West)



Sequence:

1. Place form brace system on completed reinforcement level; back from the finished fabric face a distance of $\frac{1}{3}$ to $\frac{1}{2}$ the reinforcement spacing.
2. Position fabric so that the required re-embedment length extends over the top of the form brace and the design reinforcement width is placed with no slack against the previous level.
3. Compact backfill material in lifts to final lift height, create ($\pm 3''$) depression in zone where re-embedment length will be located and place additional height of compacted material against form brace.
4. Fold fabric re-embedment length back over form brace into zone where depression was made in backfill and place additional compacted backfill, ($\pm 3''$) to embed fabric and bring to final lift height.
5. Pull form brace outward allowing fabric face to slightly readjust to form tight round face and level with plan reinforcement spacing.

GEOTEXTILE WALL CONSTRUCTION PROCEDURE



Notes: The geotextile fabric shall have a minimum allowable tensile strength (T min.) of 200 lb./in. as determined by the procedure stated in the Special Provisions. The computations supporting the determination of (T min.) shall be submitted to the engineer for approval.

Note: This is a suggested detail, the Contractor is responsible for the design of the form brace system to be used.

ELEVATION
SUGGESTED GEOTEXTILE TEMPORARY FORM BRACE SYSTEM DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY SHEET PILING & GEOTEXTILE RETAINING WALL
FAP 328 (US 45)
SECTION 5R, Y, RS-1
CLAY COUNTY

SCALE: VERT.
HORIZ.
DATE: 10-21-05

DRAWN BY: UJ
CHECKED BY: MAR