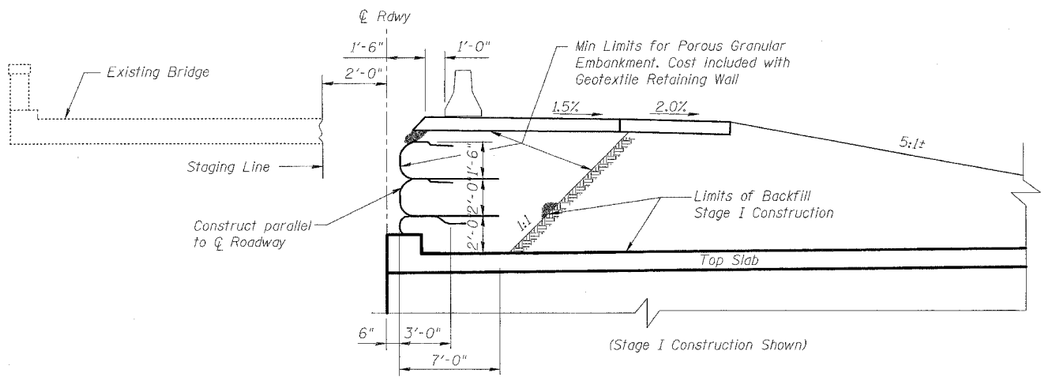
68074

FAS RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1379	(108B)BR-1	STARK	33	24
STA 214+48.00				
	ILLINOIS	IL RTE 91		

SHEET 3 OF 7

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



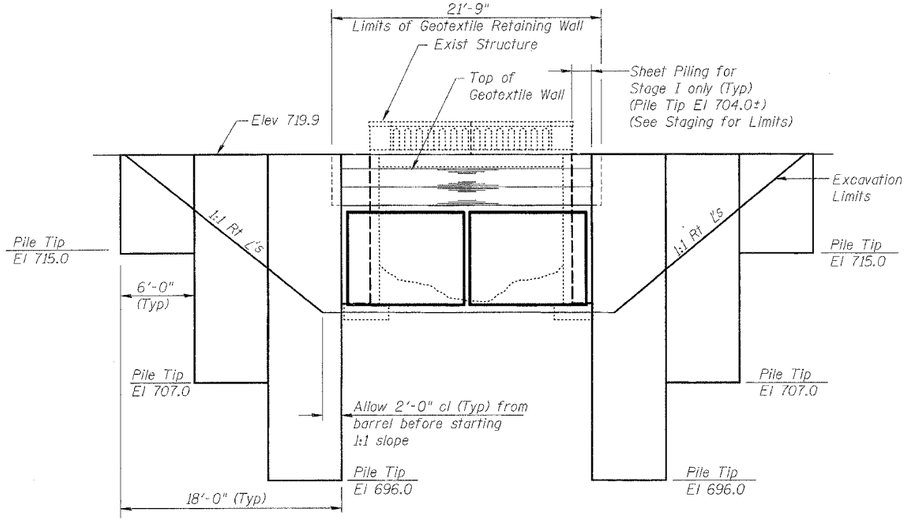
SECTION THRU CULVERT

(Looking South)

TEMPORARY SHEET PILING NOTES

If the contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans for lesser design requirements, full design submittal with the required seals will be expected by the Department for review and approval.

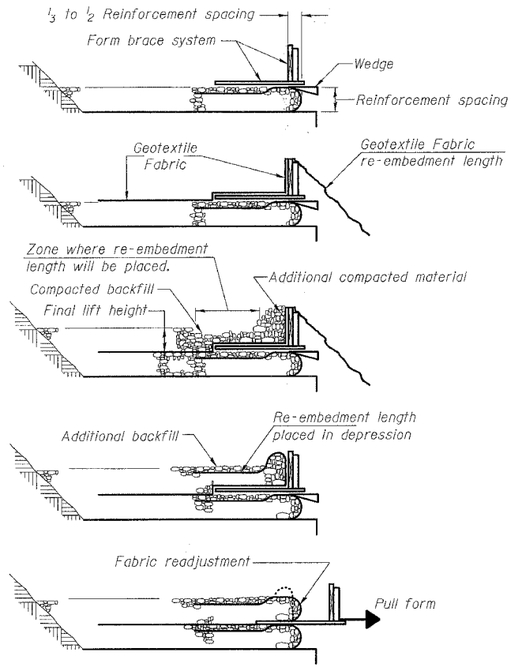
To ensure stability of sheets driven to the top of the existing footing, the contractor shall connect the first sheet to the existing abutment wall. This connection shall be approved by the engineer and the cost included in the pay item "Temporary Sheet Piling".



Min. Required Section Modulus = 18.6 in ³/ft

TEMPORARY SHEET PILING

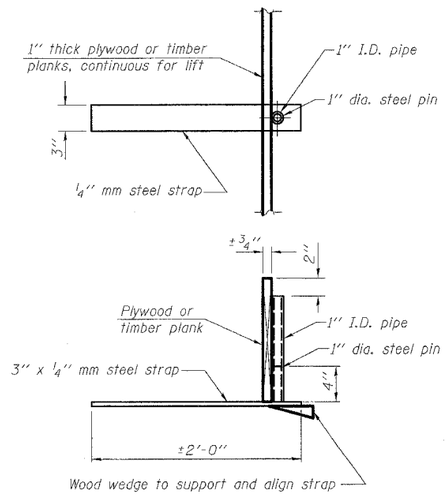
DESIGNED	JLG
CHECKED	GEP
DRAWN	BAD
CHECKED	JLG



1. Place form brace system on completed reinforcement level; back from the finished fabric face a distance of 1/3 to 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 (±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, (±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.

SUGGESTED GEOTEXTILE TEMPORARY FORM BRACE SYSTEM DETAIL

TEMPORARY SHEET PILING & GEOTEXTILE RETAINING WALL FAS 1379 (IL RTE 91) OVER INDIAN CREEK TRIBUTARY SECTION (108B)BR-1 STARK COUNTY STA 214+48.00 SN 088-2500