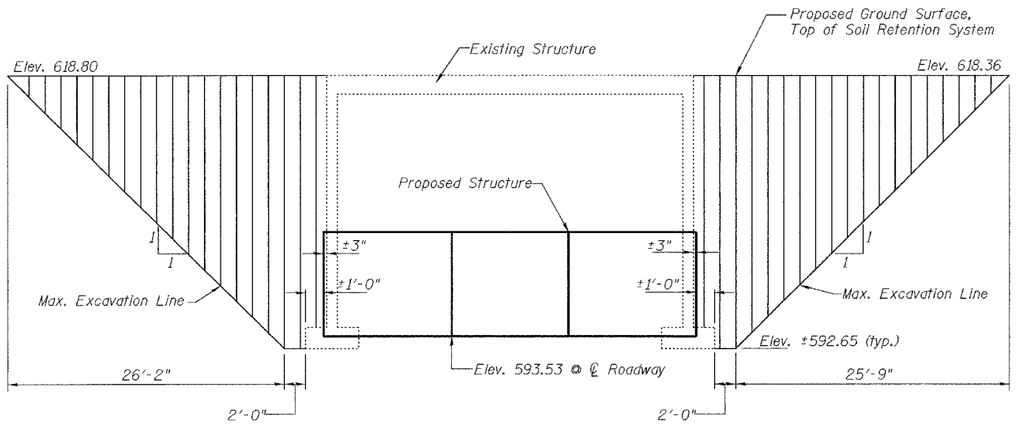
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 311 (IL 71)	5BR-1	LASALLE	32	18
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

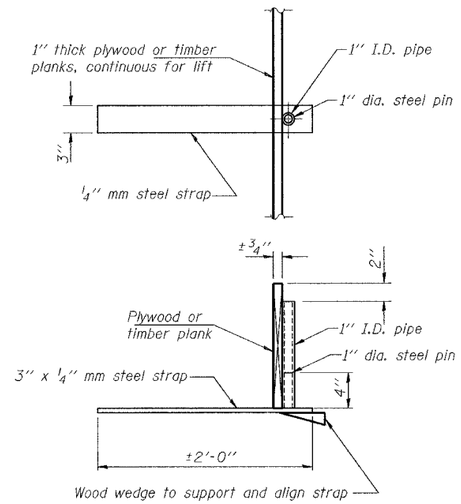
SHEET NO. 3
8 SHEETS

Contract #66449



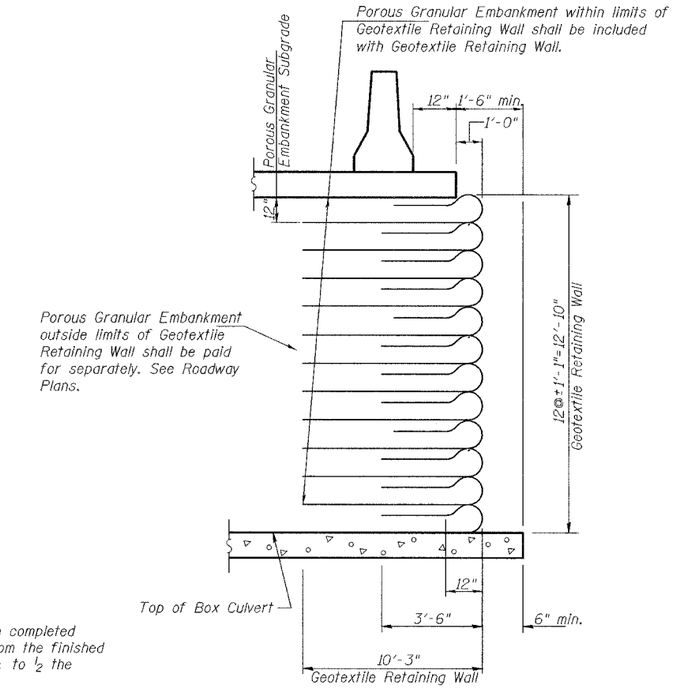
TEMPORARY SOIL RETENTION SYSTEM

Note: 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.

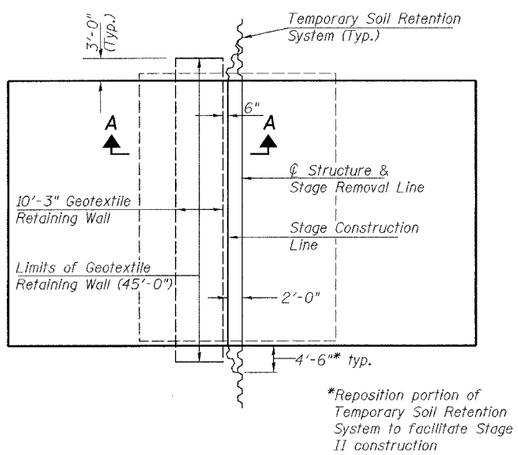


SUGGESTED GEOTEXTILE TEMPORARY FORM BRACE SYSTEM DETAIL

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

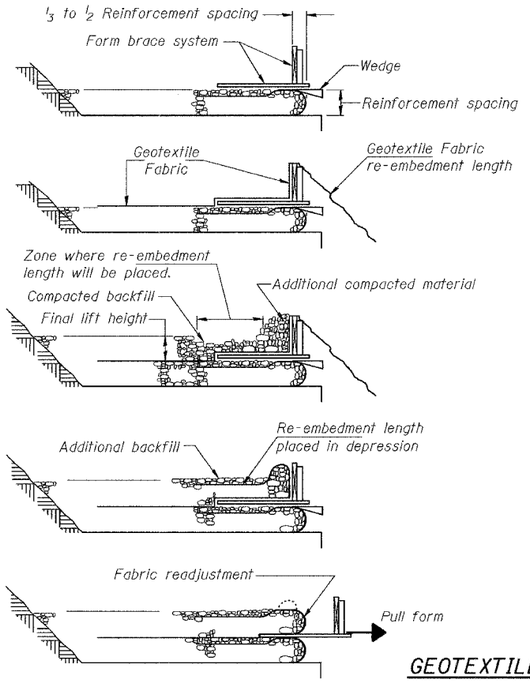


SECTION A-A THRU GEOTEXTILE RETAINING WALL



*Reposition portion of Temporary Soil Retention System to facilitate Stage II construction

PLAN STAGE CONSTRUCTION



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 54 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.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE: CULVERT DETAILS

PROJECT: IL ROUTE 71 OVER UNNAMED STREAM
FAP ROUTE 311 SECTION 5BR-1
LASALLE COUNTY
STATION 260+23
STRUCTURE NUMBER 050-2043

PROJECT NO. 05025-2
SCALE
DATE 01/13/06
DRAWN BY TFG/CFC
CHECKED BY KPS/MCB
DRAWING NO. 3 OF 8 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

FILE NAME = ...8v8@culvert-plans@sheet-3.dgn
PLOT SCALE = 0:1.0000 '/' IN.
USER NAME = CFC.