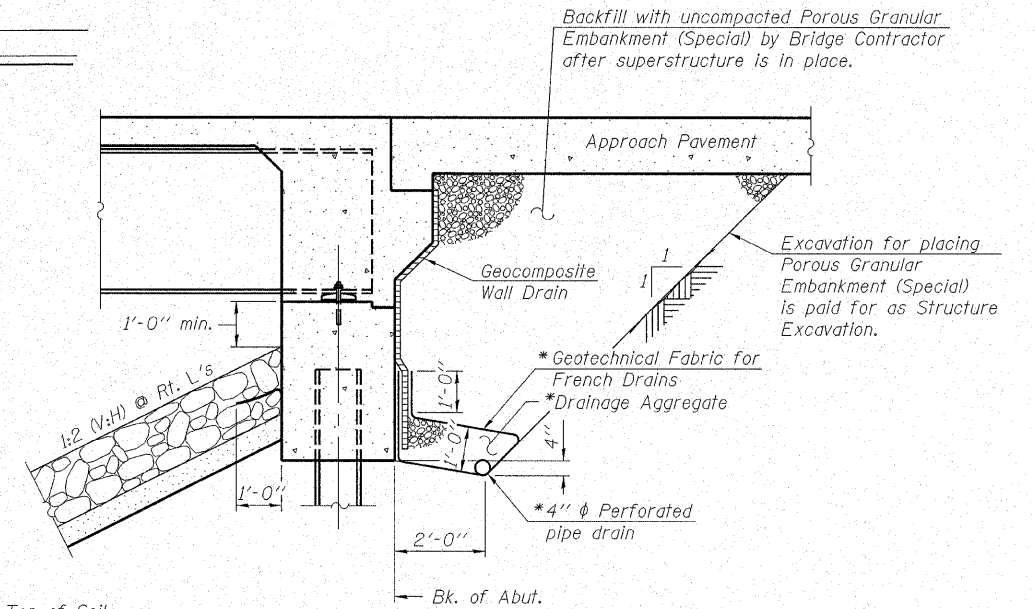
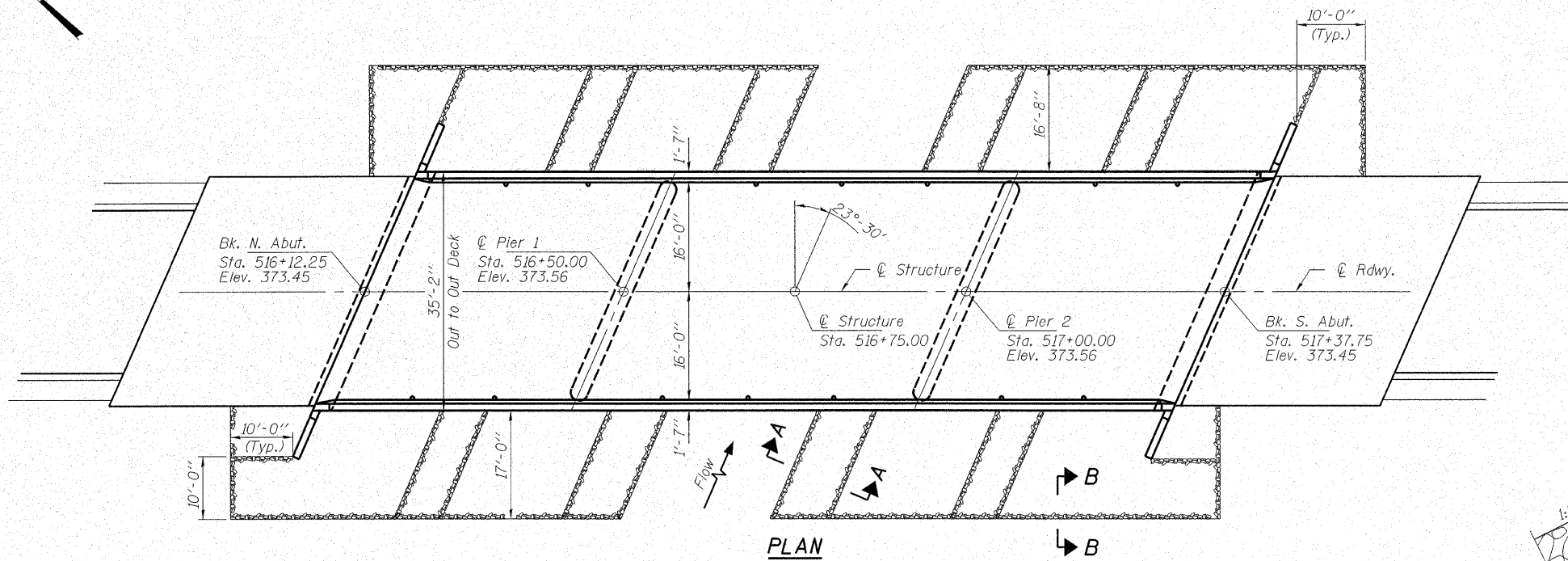


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 776	(116BR-1)B-1	HAMILTON	140	21
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

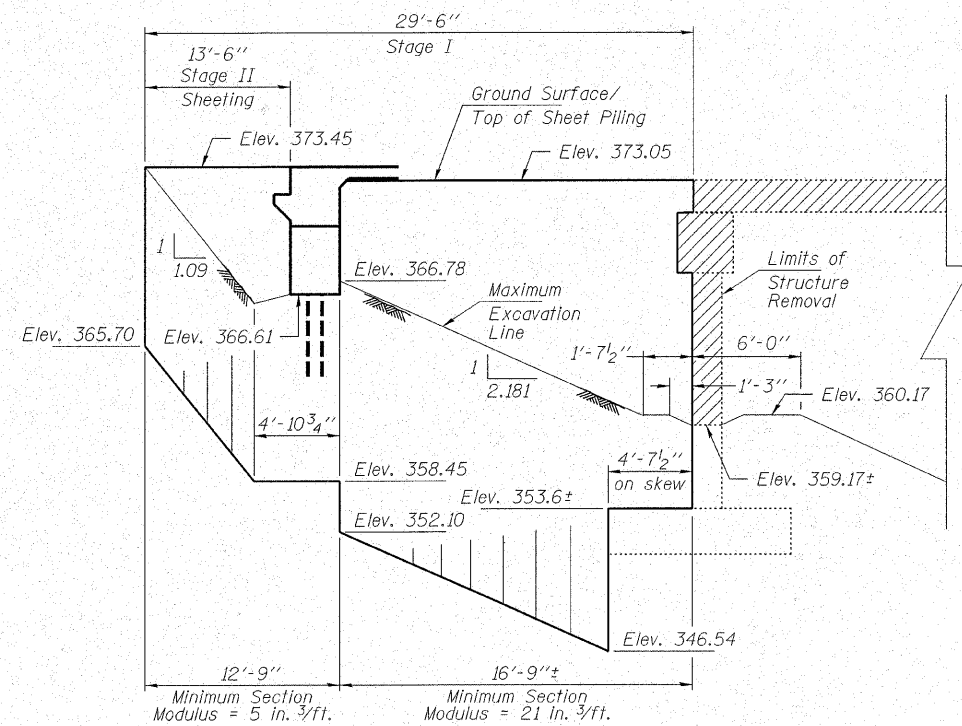
Contract #78006

SHEET NO. 2
25 SHEETS



SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

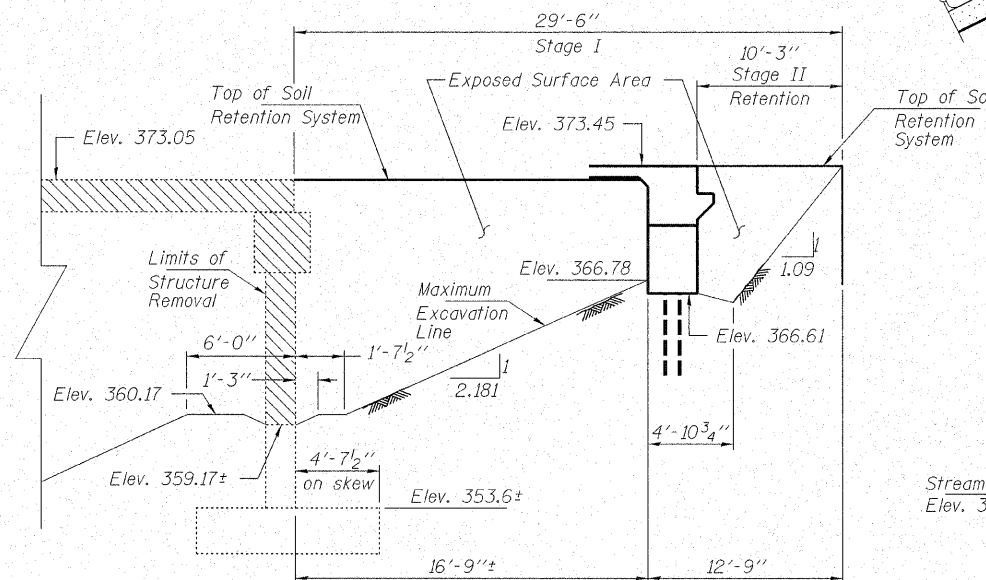
* Included in the cost of Pipe Underdrains for Structures.
Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



TEMPORARY SHEET PILING
(North Abutment)

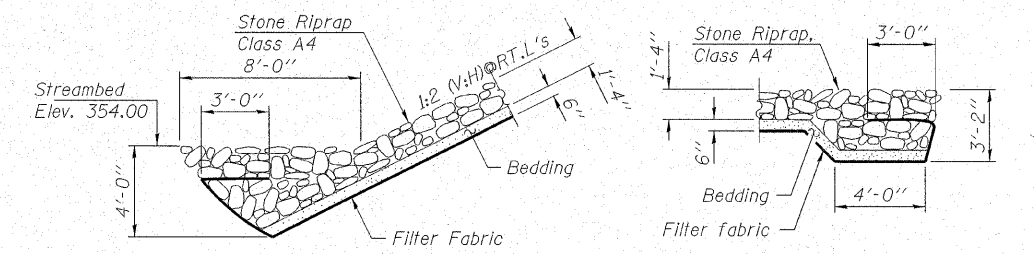
The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.



TEMPORARY SOIL RETENTION SYSTEM
(South Abutment)

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.



SECTION A-A

SECTION B-B

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Pipe Underdrains for structures 4"	Foot		144	144
Temporary Soil Retention System	Sq. Ft.		224	224
Temporary Sheet Piling	Sq. Ft.		540	540
Geocomposite Wall Drain	Sq. Yd.		54	54

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS

3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-41-0021-1 DATE: 10/25/07
DESIGNED: P.L. CHECKED: S.W.M. DRAWN: D.T.M.

RIPRAP DETAILS
IL ROUTE 142 OVER CONTRARY CREEK
F.A.P. ROUTE 776 - SECTION (116BR-1)B-1
HAMILTON COUNTY
STRUCTURE NO. 033-0050 / STATION 516+75

PLOT DATE: 10/25/2007 FILE NAME: 0330051-78006-41021br-ridge0050.dgn