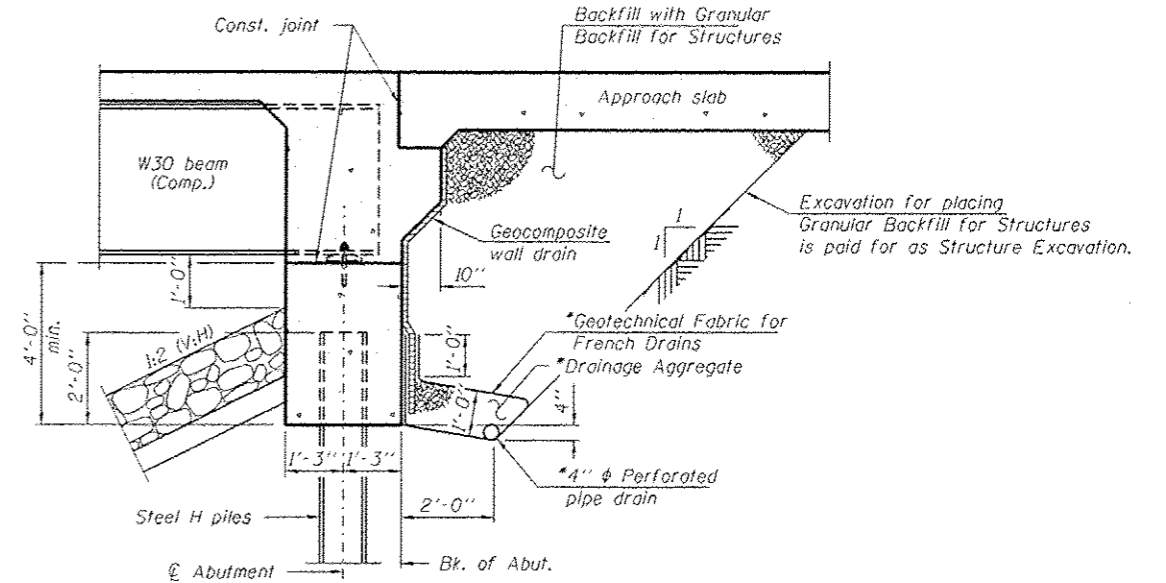


GENERAL NOTES

Fasteners shall be ASTM A325 Type 3. Bolts 3/4" φ, holes 15/16" φ, unless otherwise noted.
 Calculated weight of Structural Steel = 42,030 lbs. (Grade 50).
 All structural steel shall be AASHTO M 270 Grade 50W.
 No field welding is permitted except as specified in the contract documents.
 Reinforcement bars designated (E) shall be epoxy coated.
 Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.
 Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.
 Slip-Forming of the parapets is not allowed.

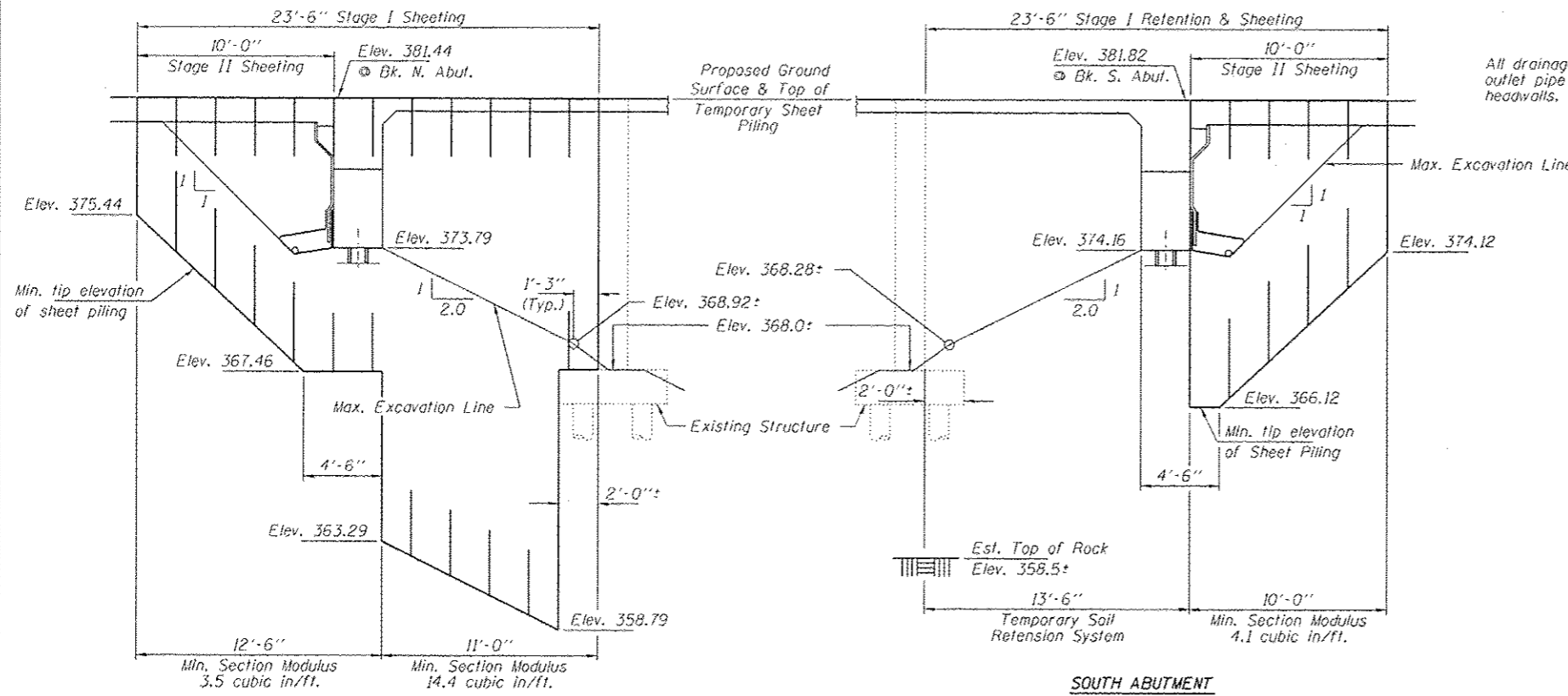
STATION 582+23.90
 BUILT 201 BY
 STATE OF ILLINOIS
 F.A.P. RTE. 332 SEC. 2B-1
 LOADING HL-93
 STR. NO. 097-0074

NAME PLATE
 See Std. 515001



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

*Included in the cost of Pipe Underdrains for Structures.
 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 60110)



NORTH ABUTMENT

SOUTH ABUTMENT

Note:
 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.

A cantilevered sheet piling design does not appear feasible for Stage I @ South Abutment 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.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.			536
Filter Fabric	Sq. Yd.			536
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.			260
Concrete Structures	Cu. Yd.		59.8	59.8
Concrete Superstructure	Cu. Yd.	213.7		213.7
Bridge Deck Grooving	Sq. Yd.	454		454
Concrete Encasement	Cu. Yd.		4.2	4.2
Protective Coat	Sq. Yd.	563		563
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	1,710		1,710
Reinforcement Bars, Epoxy Coated	Pound	50,310	5,860	56,170
Bar Splicers	Each	502	36	538
Furnishing Steel Piles HP12x53	Foot		253	253
Driving Piles	Foot		253	253
Test Pile Steel HP12x53	Each		1	1
Pile Shoes	Each		12	12
Name Plates	Each	1		1
Anchor Bolts, 1"	Each		24	24
Geocomposite Wall Drain	Sq. Yd.			67
Granular Backfill for Structures	Cu. Yd.			125
Temporary Sheet Piling	Sq. Ft.			479
Pipe Underdrains for Structures 4"	Foot			146
Temporary Soil Retention System	Sq. Ft.			138

TEMPORARY SOIL RETENTION SYSTEM & TEMPORARY SHEET PILING AT ABUTMENTS