

GENERAL NOTES

Fasteners shall be high strength bolts (AASHTO M 164, Type 3). Bolts $\frac{7}{8}$ " ϕ , open holes $\frac{15}{16}$ " ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 60,090 Pound AASHTO M270 Grade 50W

All structural steel shall be AASHTO M 270 Grade 50W.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 in. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

Anchor Bolts shall be set before bolting diaphragms over supports.

No field welding is permitted except as specified in the Contract documents.

Reinforcement bars shall conform to the requirements of ASTM A706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

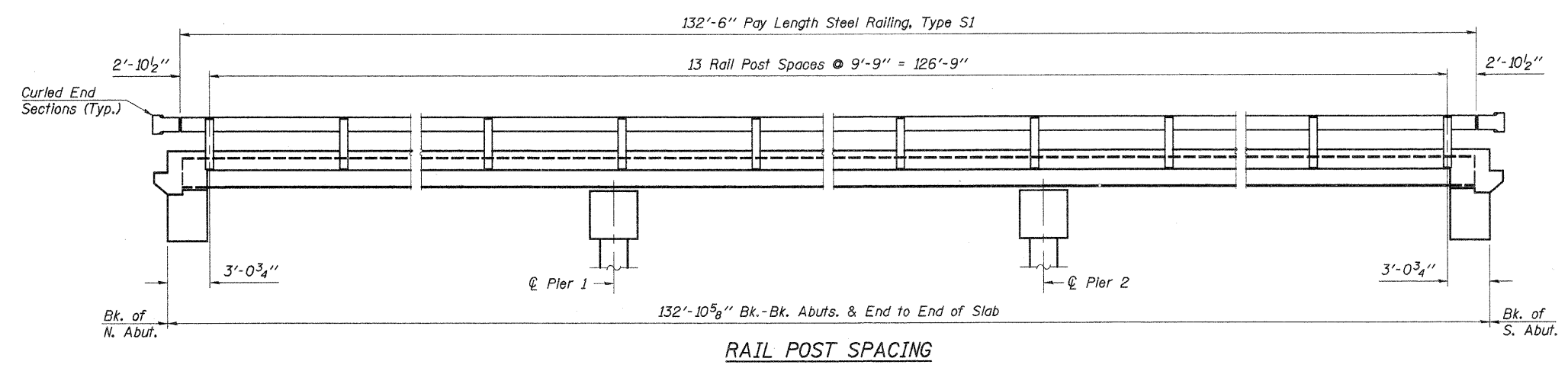
Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $\frac{1}{8}$ " adjusting shims, of the dimension of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

The contractor shall drive one steel HP12x53 test pile in a permanent location at the south abutment & one steel HP12x53 test pile at pier #1 as directed by the Engineer before ordering the remainder of piles.

The Contractor shall drive test piles to 110 percent of the nominal required bearing specified in production locations at the substructures specified or approved by the Engineer before ordering the remainder of piles.

All exposed portions of abutments, wing walls, and piers shall receive a rubbed finish in accordance with Article 503.15 (b) of the standard specifications. Cost to be included in cost of Concrete Structures.

See Sheets 15 & 16 of 16 for Soil Boring Data.

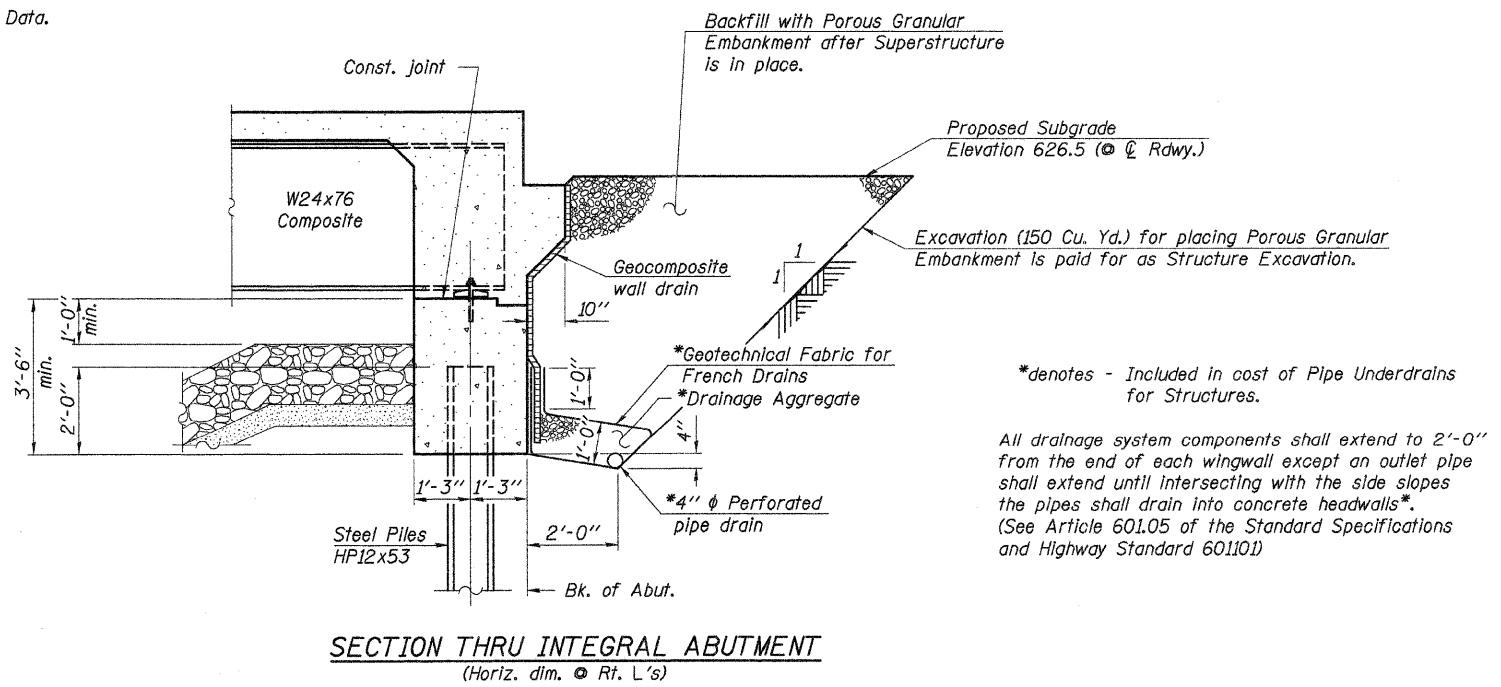


PIKE CREEK
BUILT 20__ BY
MARTINTON ROAD DISTRICT
IROQUOIS COUNTY
SEC. 04-16101-02-BR
STR. NO. 038-4556
LOADING HL-93

LETTERING FOR NAME PLATE
See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.		95	95
Stone Riprap, Class A5	Ton		646	646
Filter Fabric	Sq. Yd.		569	569
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu. Yd.		150	150
Concrete Structures	Cu. Yd.		63.1	63.1
Concrete Superstructure	Cu. Yd.	128.9		128.9
Bridge Deck Grooving	Sq. Yd.	414		414
Protective Coat	Sq. Yd.	488	11	499
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	1,730		1,730
Reinforcement Bars, Epoxy Coated	Pound	31,290	7,400	38,690
Steel Railing, Type S1	Foot	265		265
Furnishing Steel Piles HP12x53	Foot		1,320	1,320
Driving Piles	Foot		1,320	1,320
Test Piles, HP12x53	Each		2	2
Concrete Encasement	Cu. Yd.		58.1	58.1
Name Plates	Each		1	1
Pipe Underdrains for Structures 4"	Foot		140	140
Geocomposite Wall Drain	Sq. Yd.		58	58
Underwater Structure Excavation Protection - Location 1	Each		1	1
Underwater Structure Excavation Protection - Location 2	Each		1	1
Concrete Headwalls for Pipe Drains	Each		4	4
Anchor Bolts 1"	Each	40		40



*denotes - Included in 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 601101)

GENERAL NOTES, BILL OF MATERIAL & MISCELLANEOUS DETAILS
SECTION 04-16101-02-BR
MARTINTON ROAD DISTRICT
IROQUOIS COUNTY
STATION 38+50

DESIGNED -	A.R.K.
CHECKED -	A.L.S.
DRAWN -	S.A.P.
CHECKED -	A.R.K. & A.L.S.