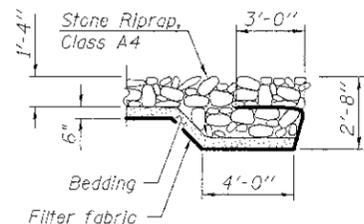
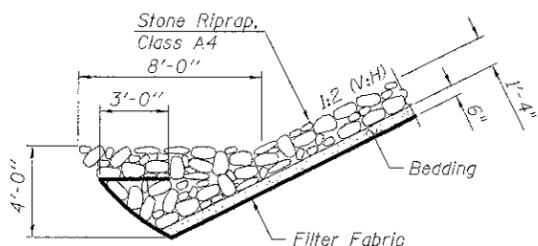


GENERAL NOTES

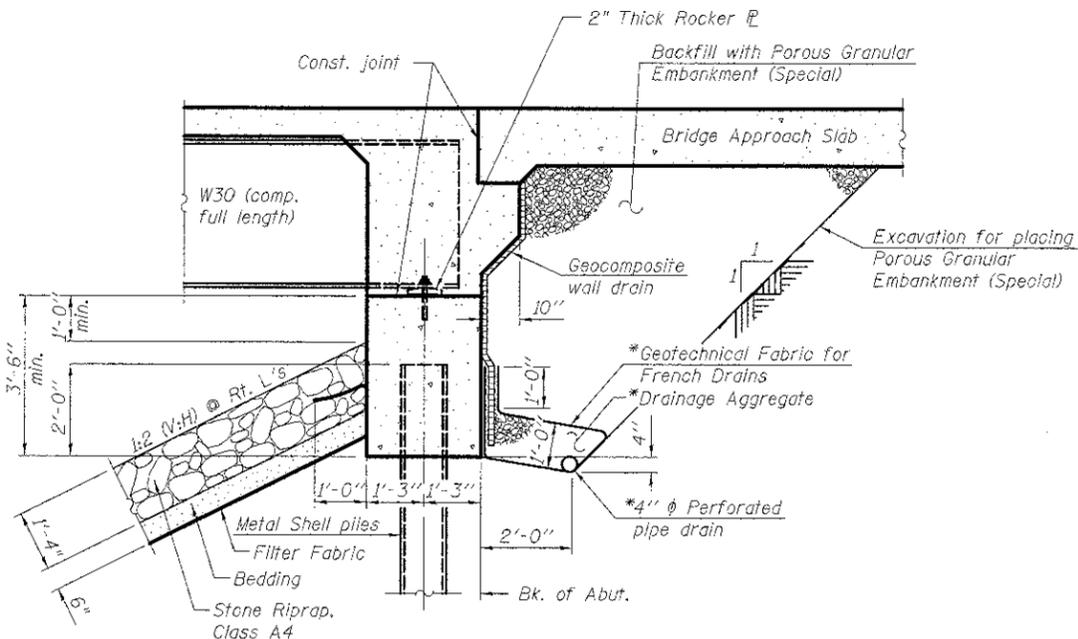
Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 3/4 in. φ, holes 13/16 in. φ, unless otherwise noted.
 Calculated weight of M270 Grade 36 Structural Steel = 15,080 Pounds.
 Calculated weight of M270 Grade 50 Structural Steel = 140,650 Pounds.
 Structural steel for the beams shall be AASHTO M 270 Grade 50.
 Structural steel for the diaphragms shall be AASHTO M 270 Grade 36 minimum.
 No field welding is permitted except as specified in the contract documents.
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
 Reinforcement bars designated (E) shall be epoxy coated.
 Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
 Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 Contractor shall drive test piles to 110% of the nominal required bearing specified, in production locations as directed by the Engineer, prior to ordering.



SECTION A-A



SECTION B-B



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

*Included in the cost of Pipe Underdrains for Structures, 4"

Note:
 All drainage system components shall extend 2'-0" beyond 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 601011).

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		102	102
Stone Riprap, Class A4	Ton		973	973
Removal of Existing Structures	Each			1
Protective Shield	Sq. Yd.	78		78
Structure Excavation	Cu. Yd.		430	430
Floor Drains	Each	12		12
Concrete Structures	Cu. Yd.	250.4		250.4
Concrete Superstructure	Cu. Yd.	361.8		361.8
Bridge Deck Grooving	Sq. Yd.	944		944
Protective Coat	Sq. Yd.	1,172		1,172
Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	4,032		4,032
Reinforcement Bars, Epoxy Coated	Pound	83,110	26,620	109,730
Bar Splicers	Each	84		84
Mechanical Splicers	Each		248	248
Bridge Fence Railing	Foot	370		370
Furnishing Metal Shell Piles, 12"x0.250"	Foot		897	897
Furnishing Metal Shell Piles, 14"x0.250"	Foot		574	574
Driving Piles	Foot		1,471	1,471
Test Pile Metal Shells	Each		4	4
Name Plates	Each	1		1
Erecting Elastomeric Bearing Assembly, Type I	Each	12		12
Anchor Bolts, 1"	Each		24	24
Anchor Bolts, 1/4"	Each		24	24
Geocomposite Wall Drain	Sq. Yd.		60	60
Pipe Underdrains for Structures 4"	Foot		144	144
Railroad Protective Liability Insurance	L. Sum			1
Drainage System	L. Sum	1		1

RAILROAD GENERAL NOTES

Any shoring system that impacts the Railroad's operation and/or supports the Railroad's embankment shall be designed and constructed per Railroad Guidelines for Temporary Shoring.

All demolition within the Railroad's right-of-way and/or demolition that may impact the Railroad's tracks or operations shall comply with the Railroad's Demolition Requirements.

Erection over the Railroad's tracks shall be planned such that it enables the track to remain open to traffic per Railroad requirements.

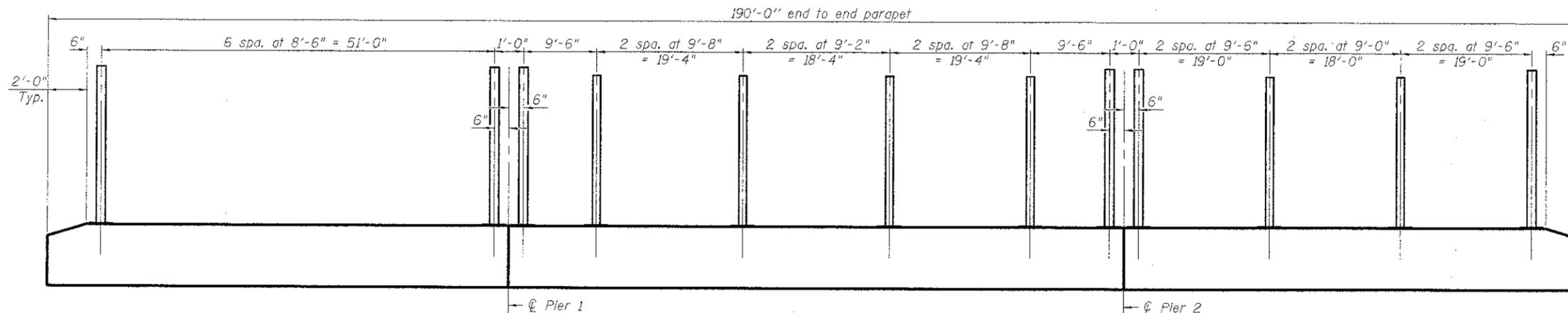
The elevation of the existing top-of-rail profile shall be verified before beginning construction. All discrepancies shall be brought to the attention of the Railroad prior to construction.

The proposed grade separation project shall not change the quantity and/or characteristics of the flow in the Railroad ditches and/or drainage structures.

The Contractor must submit a proposed method of erosion and sediment control and have the method approved by the Railroad prior to beginning any grading on the project site. Cost included with Polypropylene Tied Concrete Block Mat Slopewall (Flexamat).

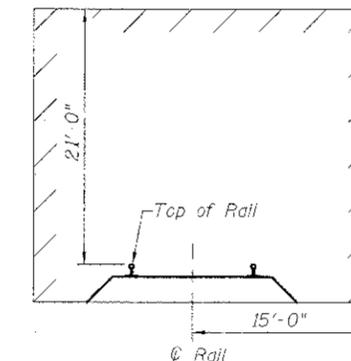
Temporary Construction Clearances, including falsework clearances, shall comply with the Minimum Construction Clearance shown below.

All permanent clearances shall be verified before project closeout.



BRIDGE FENCE POST SPACING

(See Sheet 13 of 29 for fence details)



MINIMUM CONSTRUCTION CLEARANCE

Note: (Perpendicular to Railroad)

No construction activities or other obstructions shall be placed within these limits during construction.

FILE NAME =	USER NAME = seb	DESIGNED - ADL	REVISED - SEB - 1/16/13	ADAMS COUNTY HIGHWAY DEPARTMENT	GENERAL DATA S.N. 001-3338	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Q:\11\10015\05 Plans\Bridge Plans\GPE & General Details	CHECKED - RJP	REVISED -	REVISED -			1598	11-00218-00-BR	ADAMS	53	18	
PLOT SCALE = 6.883333' / in.	DRAWN - RJP	REVISED -	REVISED -			CONTRACT NO. 93590					
PLOT DATE = 1/17/2013	CHECKED - ADL	REVISED -	REVISED -			SHEET NO. 2 OF 29 SHEETS					