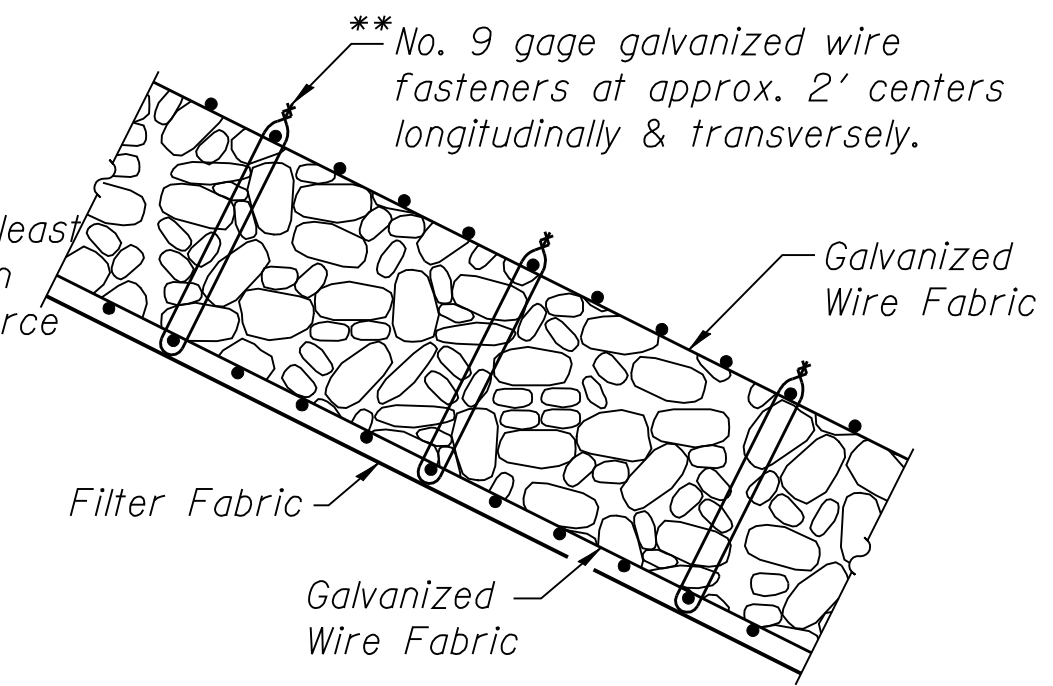


GENERAL NOTES

Fasteners shall be ASTM 325 Type 1, mechanically galvanized bolts $\frac{7}{8}$ " ϕ , holes $\frac{15}{16}$ " ϕ , unless otherwise noted.
 Calculated weight of Structural Steel = 53,300 lbs.
 All structural steel shall be AASHTO M270 Grade 50.
 No field welding is permitted except as specified in the contract documents.
 Reinforcement bars designated (E) shall be epoxy coated.
 If the Contractor elects to use cantilever forming brackets on the exterior beams, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications.
 If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
 Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
 The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be gray, Munsell No. 5B 7/1.
 Layout of 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 is advised that the existing R.C. thru girder is in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for removal and replacement of the structure.

** Wire fasteners shall resist a force of at least 600 lb while remaining in a closed position when subjected to a directional tension force along any axis of the fastener.



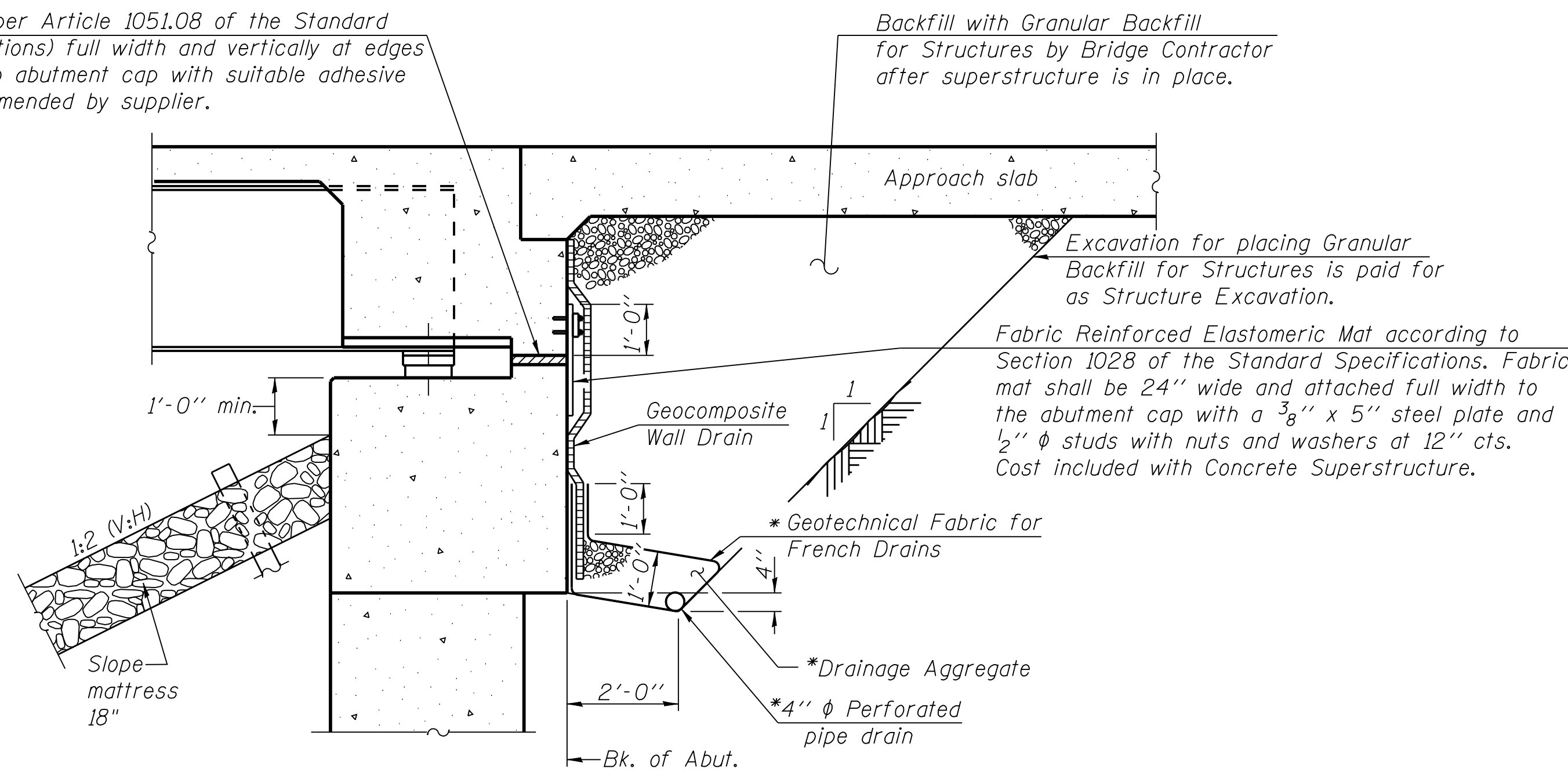
SLOPE MATTRESS DETAIL

Cost of steel stakes, Wire Fabric and wire fasteners is included in the cost of Slope Mattress 18". Wire Fabric shall be galvanized according to ASTM A764, Type 3.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Granular Backfill for Structures	Cu. Yd.			85
Filter Fabric	Sq. Yd.		563	563
Slope Mattress 18"	Sq. Yd.		563	563
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.			152
Cofferdam Excavation	Cu. Yd.			24
Concrete Structures	Cu. Yd.		179.5	179.5
Concrete Superstructure	Cu. Yd.	201.8		201.8
Bridge Deck Grooving	Sq. Yd.	425		425
Protective Coat	Sq. Yd.	585		585
Furnishing and Erecting Structural Steel	L. Sum			1
Stud Shear Connectors	Each	1920		1920
Reinforcement Bars, Epoxy Coated	Pound	52,020	21,390	73,410
Reinforcement Bars	Pound		23,320	23,320
Bar Splicers	Each	62		62
Name Plates	Each	1		1
Drilled Shaft in Rock	Cu. Yd.		51.4	51.4
Drilled Shaft in Soil	Cu. Yd.		21.2	21.2
Permanent Casing	Foot		31.6	31.6
Elastomeric Bearing Assembly, Type 1	Each	10		10
Anchor Bolts, 1"	Each		20	20
Anchor Bolts, $\frac{3}{8}$ "	Each		20	20
Geocomposite Wall Drain	Sq. Yd.		56	56
Pipe Underdrains for Structures 4"	Foot		129	129
Drainage Scuppers, DS-11	Each	3		3
Cofferdam (Type 1) - Location 1	Each		1	1
Cofferdam (Type 1) - Location 2	Each		1	1
Mechanical Splicers	Each		60	60

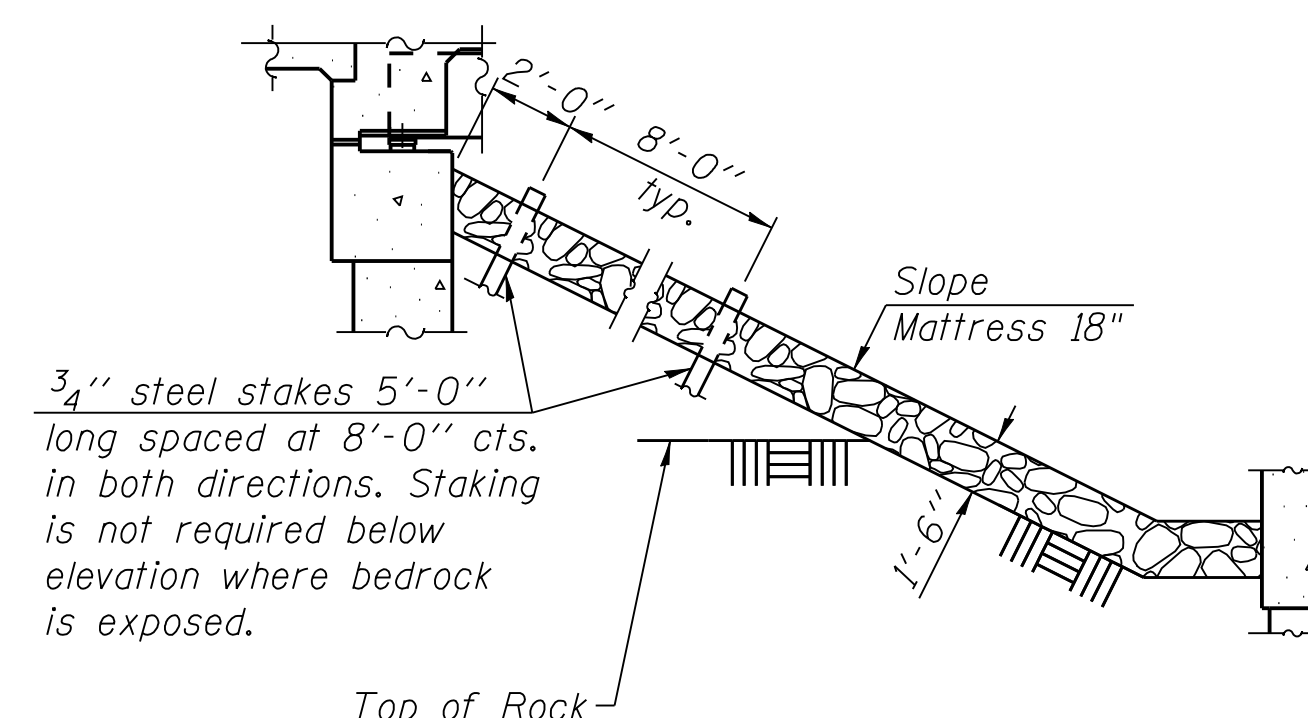
2" PJF (per Article 1051.08 of the Standard Specifications) full width and vertically at edges bonded to abutment cap with suitable adhesive as recommended by supplier.



SECTION THRU SEMI-INTEGRAL ABUTMENT

*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 near the toe of slope. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



SECTION A-A

FILE NAME = 74217-002-general-01-dwg.dgn
 CB PROJECT NO. 008053-B

Coombes-Bloxdorf P.C.
 CIVIL ENGINEERS-
 STRUCTURAL ENGINEERS-
 LAND SURVEYORS
 Design Firm License No. 184-002703

USER NAME = _MML_	DESIGNED - GB/MCB	REVISED -
	CHECKED - MCB	REVISED -
PLOT SCALE = 0:1.0000000 '1' / IN.	DRAWN - TFG	REVISED -
PLOT DATE = 10/3/2013	CHECKED - MCB	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
 STRUCTURE NO. 093-0024**

SHEET NO. 2 OF 24 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1B	(12A)B-1	WABASH	52	24
CONTRACT NO. 74217				
ILLINOIS FED. AID PROJECT				