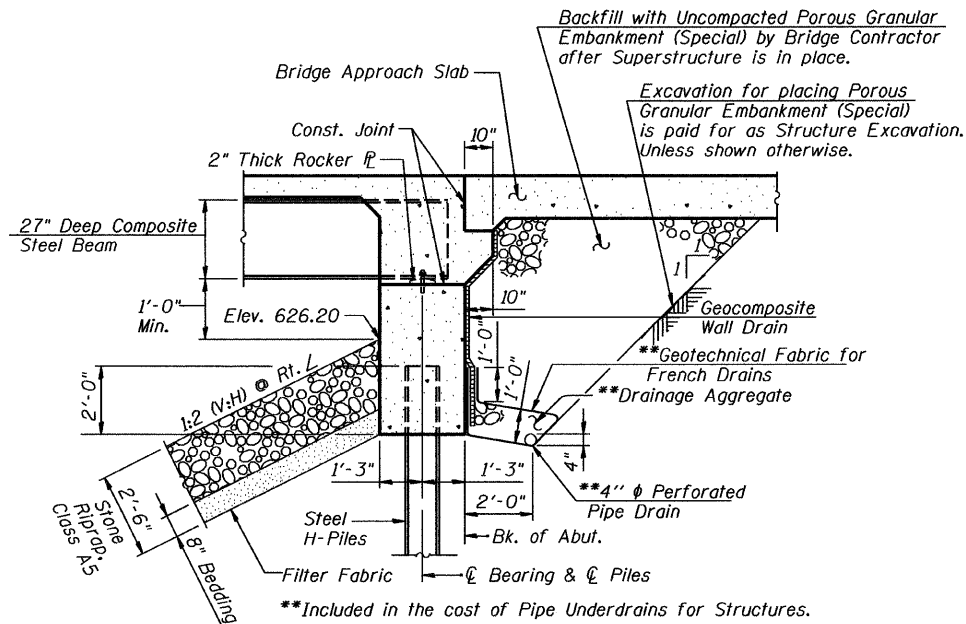


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- SB5 TOP OF DECK SLAB ELEVATIONS I
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

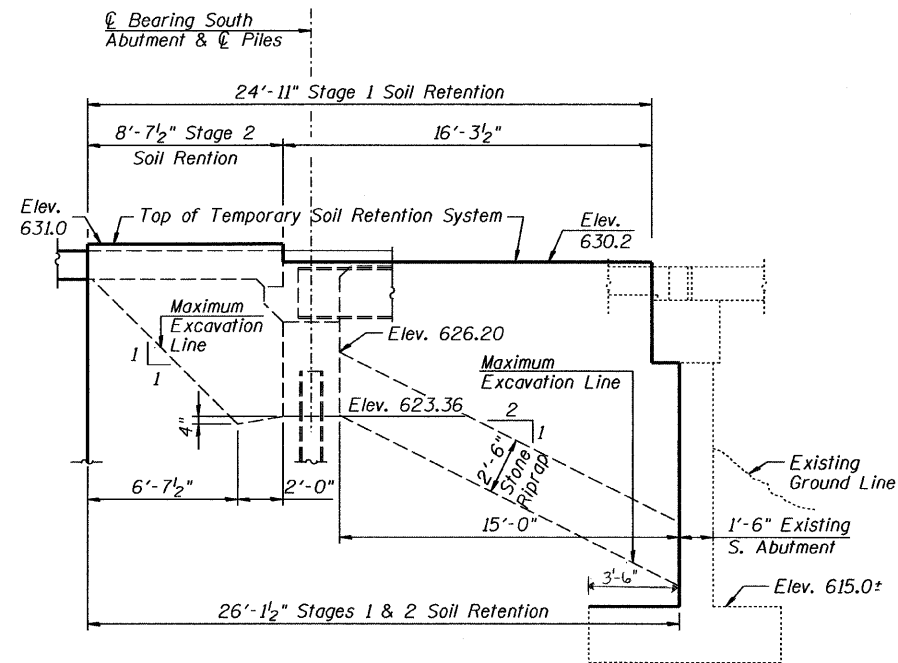


Note: All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101)

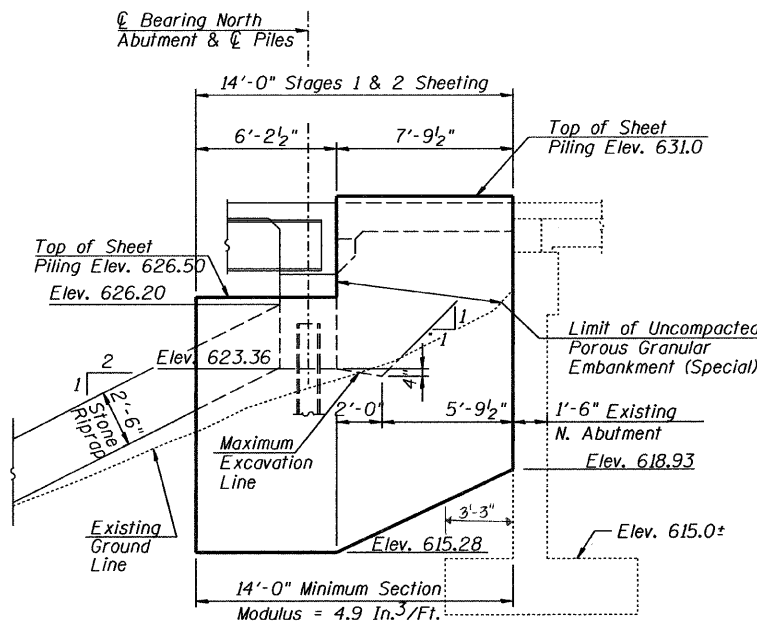
SECTION THRU INTEGRAL ABUTMENT

GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas and M164 Type 3 in unpainted areas. Bolts are 7/8" diameter in 1 5/16" diameter holes unless otherwise noted.
2. Calculated weight of Structural Steel = 26,560 lbs.
3. All structural steel shall be AASHTO M 270 Grade 50W. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".
4. No field welding is permitted except as specified in the contract documents.
5. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60. See Special Provisions.
6. Reinforcement bars designated (E) shall be epoxy coated.
7. Structural steel shall be only 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.
8. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
9. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
10. A cantilevered sheet piling design does not appear feasible at the 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.
11. The Contractor is advised that the existing structure contains members that are 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 the complete or partial removal, or replacement of the structure.
12. Slipforming of the Parapets is not allowed.



ELEVATION VIEW OF TEMPORARY SOIL RETENTION SYSTEM AT SOUTH ABUTMENT (SECTION X-X)



ELEVATION VIEW OF TEMPORARY SHEET PILING AT NORTH ABUTMENT (SECTION Y-Y)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	CU YD	-	120	120
Stone Riprap, Class A5	SQ YD	-	482	482
Filter Fabric	SQ YD	-	482	482
Removal of Existing Structures No. 2	EACH	-	-	1
Structure Excavation	CU YD	-	115	115
Concrete Structures	CU YD	20.9	32.6	53.5
Concrete Superstructure	CU YD	187.1	-	187.1
Bridge Deck Grooving	SQ YD	374	-	374
Concrete Encasement	CU YD	-	4.8	4.8
Protective Coat	SQ YD	472	-	472
Furnishing & Erecting Structural Steel	L. SUM	0.25	-	0.25
Stud Shear Connectors	EACH	738	-	738
Reinforcement Bars, Epoxy Coated	POUND	43,380	4,730	48,110
Bar Splicers	EACH	464	24	488
Furnishing Steel Piles HP12x63	FOOT	-	672	672
Driving Piles	FOOT	-	672	672
Test Pile Steel HP12x63	EACH	-	2	2
Pile Shoes	EACH	-	14	14
Temporary Sheet Piling	SQ FT	-	178	178
Name Plates	EACH	1	-	1
Anchor Bolts, 1"	EACH	24	-	24
Geocomposite Wall Drain	SQ YD	-	62	62
Pipe Underdrains for Structures 4"	FOOT	-	132	132
Temporary Soil Retention System	SQ FT	-	217	217
Asbestos Bearing Pad Removal	EACH	26	-	26

NOTES

1. For location of Sections X-X and Y-Y, see Sheet SB1 of 23.

GENERAL DATA

Illinois Rte. 84 Over Duke Creek
STATION 336+42.00 STRUCTURE NO. 043-0079

SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SB2 OF 23 SHEETS	308	103BR-3	JO DAVIESS	126	63
CONTRACT NO. 64B26					
10-15-2010		ILLINOIS FED. AID PROJECT			

GRAEF 8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

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DESIGNED	J.J.G.
CHECKED	J.A.Z.
DRAWN	S.R.K.
CHECKED	J.J.G.