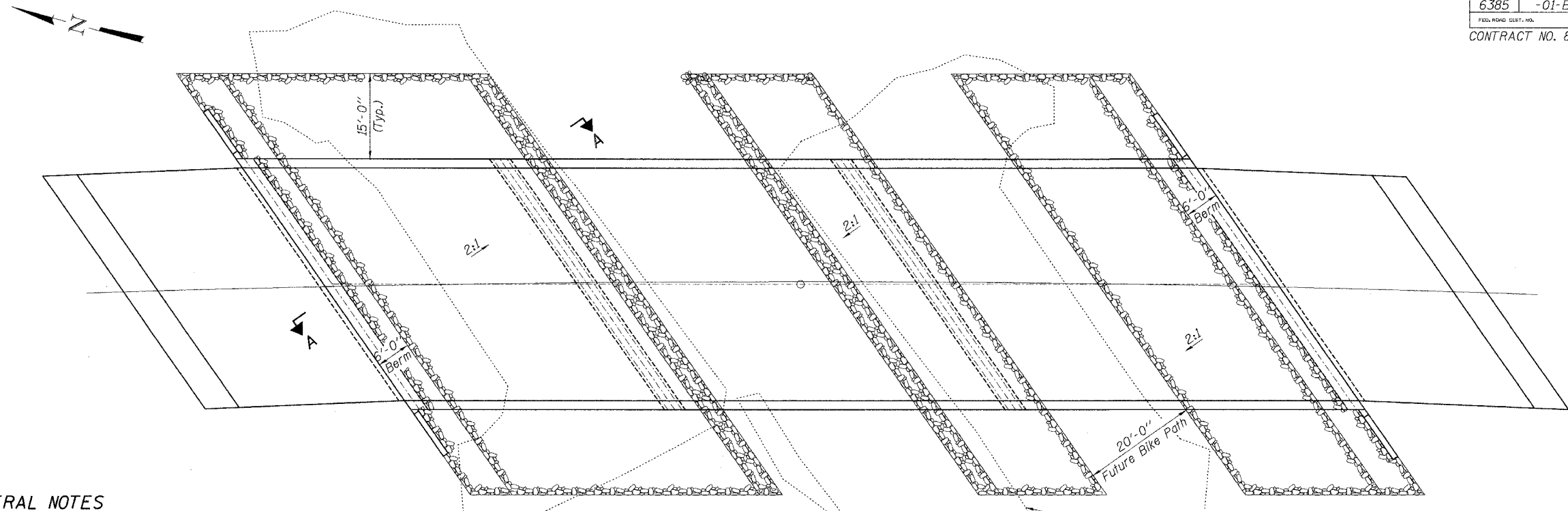


ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
F.A.U. 6385	00-00182-01-BR	McLEAN	33	18
FED. ROAD DIST. NO.		ILLINOIS	FED. ROAD PROJECT - BRN-52271431	

CONTRACT NO. 87269



RIPRAP PLAN

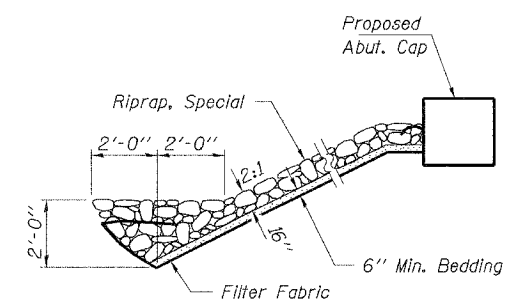
Existing Slopewall
Removal (Typ.) = 765 Sq. Yds.

GENERAL NOTES

- Fasteners shall be high strength bolts AASHTO M164, Type 3 in unpainted areas and mechanically galvanized AASHTO M 164, Type 1 or 2 in painted areas. Bolts 5/8"φ, open holes 15/16φ, unless otherwise noted.
- Calculated weight of Structural Steel = 131,600 lbs.
- All structural steel shall be AASHTO M 270 Grade 50W.
- Field welding of construction accessories to beams will not be permitted.
- Anchor bolts shall be set before bolting diaphragms over supports.
- The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams and all splice plate material.
- Reinforcement bars shall conform to the requirements of AASHTO M31 or M322, Grade 60.
- The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
- Layout of riprap may be varied in the field to suit ground conditions as directed by the Engineer.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within an 1/8 inch tolerance. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/2" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
- The Contractor shall drive one HP10x57 test piles in a permanent location at the South Abutment and one HP10x57 test pile in a permanent location at Pier 1, as directed by the Engineer before ordering the remainder of the piles.
- Excavation required to construct the Abutments and Piers shall be considered incidental to Concrete Structures. No additional compensation will be allowed for Structure Excavation.
- All proposed construction activity shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.
- The existing structural steel coating may contain lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- AASHTO M 270 Grade 50W structural steel shall only be painted, at the ends of the beams, for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with an inorganic zinc rich primer per AASHTO M 300, Type 1. 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".
- All Construction joints shall be bonded.
- See Sheets 32 & 33 for Borings.

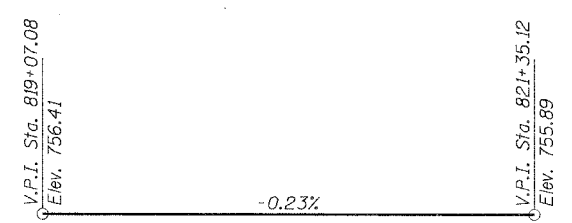
CURVE DATA

P.I. STA. 822+13.37
 $\Delta = 12^\circ 12' 36''$ (RT)
 $D = 1^\circ 30' 00''$
 $T = 408.55'$
 $R = 3,819.72'$
 $L = 814.00'$
 $E = 21.79'$
P.C. STA. 818+04.82
P.T. STA. 826+18.83
S.E. = 0.021'/'



SECTION A-A

Note: See Special Provisions for Riprap, Special.



PROFILE GRADE
No Vertical Curve

HLR
Rice, Berry and Associates
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Civil & Structural Engineers
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217-546-3400
P.O. Box 1036
DuQuoin, Illinois 62832
618-790-4637
Account Number 12-59-0033-1
Date: 11/15/05
DESIGNED: P.S.L. CHECKED: S.W.M. DRAWN: D.B.

RIPRAP DETAIL
F.A.U. 6385 / C.H. 70 OVER SUGAR CREEK
SECTION 00-00182-01-BR
McLEAN COUNTY
STRUCTURE 057-5306 / STATION 820+21