

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 3	93-00112-00-BR	JO DAVIESS	42	11
		ILLINOIS		

Sheet 2 of 19 CONTRACT NO. 85462

GENERAL NOTES

See Proposal Booklet for Boring Data.

Fasteners shall be AASHTO M164 Type 3, mechanically galvanized bolts Bolts 3/4 in. φ, holes 13/16 in. φ, unless otherwise noted.

Calculated weight of Structural Steel = 159,610 Pounds

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

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. See Special Provisions

Reinforcement bars designated (E) shall be epoxy coated.

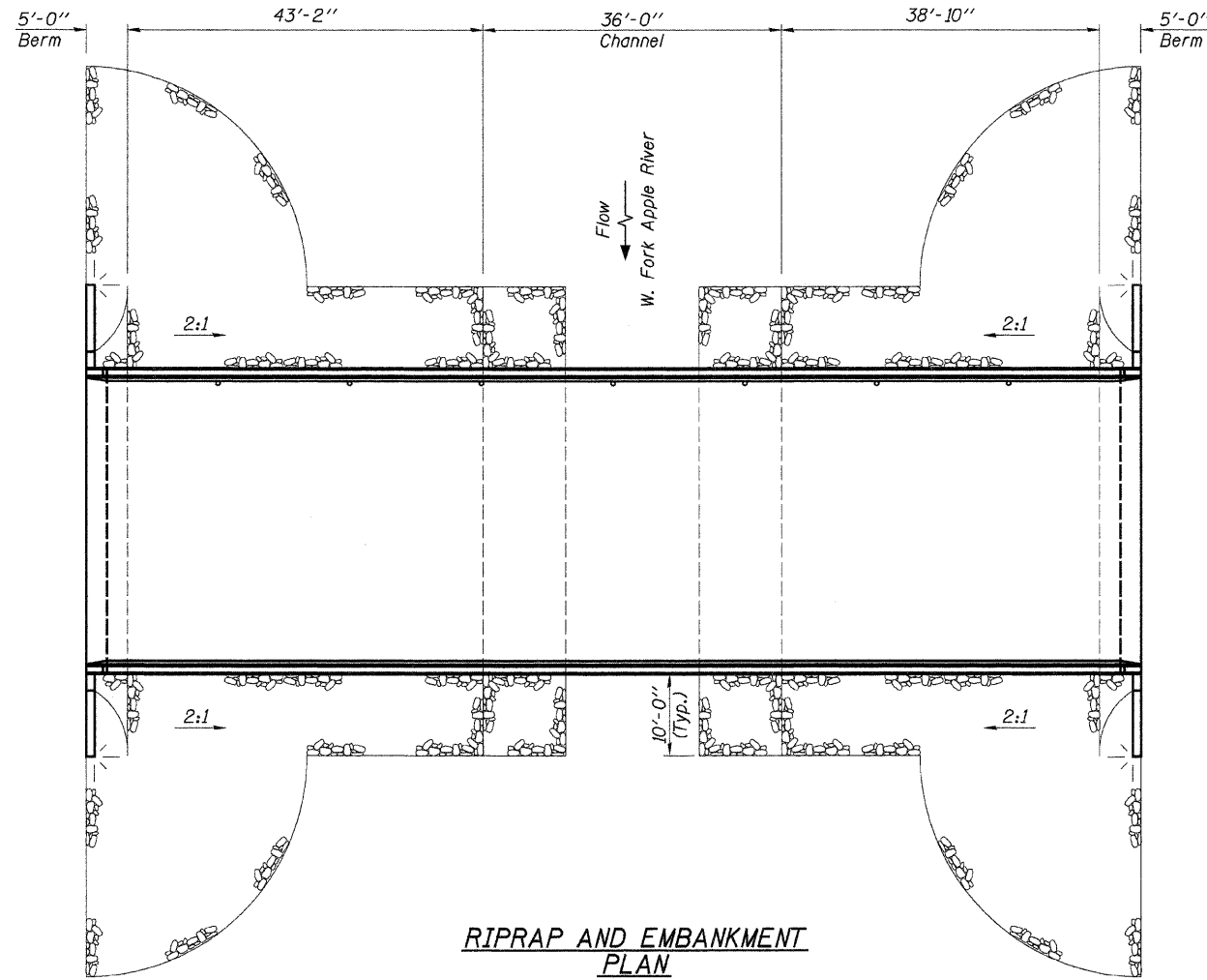
If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

Structural steel shall only be painted 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 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".

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 that must be placed and compacted prior to construction of the abutments.

Slipforming of the parapets is not allowed.



RIPRAP AND EMBANKMENT PLAN

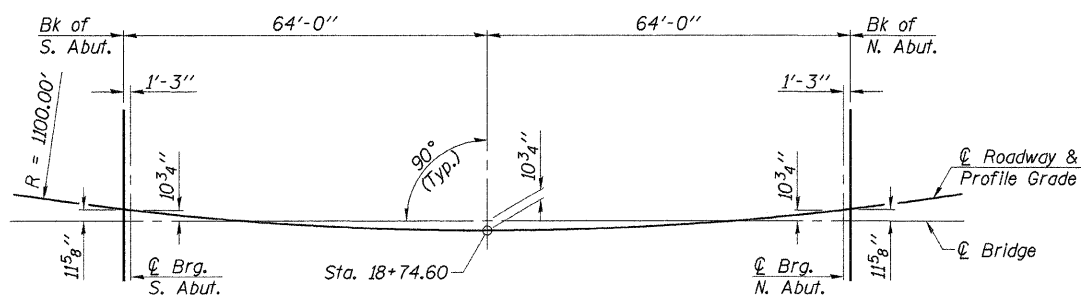
WEST FORK APPLE RIVER
BUILT 200_ BY
JO DAVIESS COUNTY
SEC. 93-00112-00-BR
F.A. PROJ. BRS-067(107)
STR. NO. 043-3269
LOADING HS20

LETTERING FOR NAME PLATE

See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Structures	Cu. Yd.	22.0	44.2	66.2
Concrete Superstructure	Cu. Yd.	309.8		309.8
Reinforcement Bars, Epoxy Coated	Pound	68,450	7,920	76,370
Name Plates	Each		1	1
Furnishing Steel Piles HP14x89	Foot		285	285
Setting Piles in Rock	Each		10	10
Stone Riprap, Class A5	Ton		1,204	1,204
Filter Fabric	Sq. Yd.		1,045	1,045
Concrete Encasement	Cu. Yd.		5.6	5.6
Structure Exoavation	Cu. Yd.		136	136
Removal of Existing Structures	Each		1	1
Protective Coat	Sq. Yd.	853		853
Furnishing and Erecting Structural Steel	L. Sum		1	1
Stud Shear Connectors	Each	1,700		1,700
Bridge Deck Grooving	Sq. Yd.	674		674
Bar Splicers	Each	68		68
Floor Drains	Each	7		7
Pipe Underdrains for Structures 4"	Foot	168		168
Geocomposite Wall Drain	Sq. Yd.		110	110
Porous Granular Embankment (Special)	Cu. Yd.		196	196
Concrete Headwalls for Pipe Drains	Each		4	4

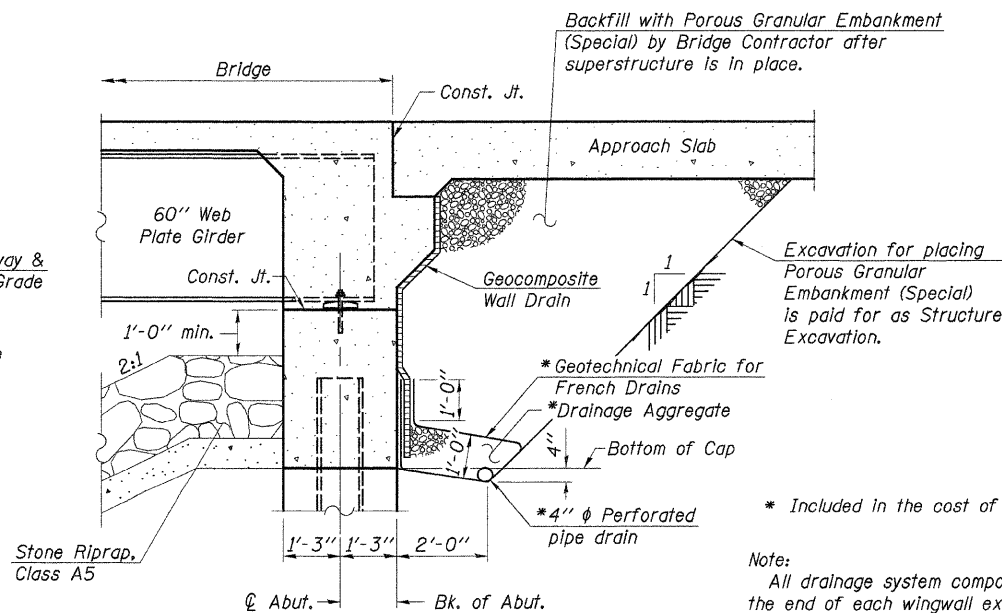


OFFSET SKETCH

CURVE DATA

P.I. Sta. 18+61.48	P.C. Sta. 7+28.75
Δ = 91°40'46"	P.T. Sta. 24+88.87
D = 05°12'31"	S.E. 0.06 Ft./Ft.
R = 1,100.00'	S.E. attained from Sta. 5+96.75
T = 1,132.73'	to Sta. 7+72.75
L = 1,760.12'	S.E. removed from Sta. 24+44.87
E = 478.95'	to Sta. 26+20.87

DESIGNED	J.A.M.
CHECKED	A.R.K.
DRAWN	S.A.P.
CHECKED	A.R.K. & J.A.M.



SECTION THRU 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 and the pipe ends shall be shielded against rodent intrusion. (See Highway Standard 60110.)

GENERAL NOTES AND DETAILS

SECTION 93-00112-00-BR
JO DAVIESS COUNTY
COUNTY HIGHWAY 3
STATION 18+74.60

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