FHWA REGION NO. 7 | STATE KANSAS | PROJECT NO. 87 ER-164(1) | YEAR 1974 | SHEET NO. 9 | TOTAL SHEETS 28
P.O.T. Sta. 7+02.07
3/4" Iron Pipe @ P.O.T.
37.15' N.E. to Chiseled "+" on top curb
39.03' S.E. " " " "
55.80' E. to 3/4" Iron Pipe at back of curb
P.O.T. Sta. 7+51.87
3/4" Iron Pipe @ P.O.T.
16.63' S.E. to nail & cap in Elm tree
30.54' N. to Chiseled "+" on top curb
66.50' S.S.E. to 1/2" rebar, R-43 flood control trav.
P.O.T. Sta. 12+38.97
3/4" Iron Pipe @ P.O.T.
73.72' N.W. to 3/4" Iron Pipe prop. cor.
81.72' N.E. to Chiseled "+" on top ret. wall
60.50' S. to Fence corner post
P.O.T. Sta. 16+08.97 DAKB 574005
3/4" Iron Pipe @ P.O.T.
69.40' N. to Chiseled "+" prop. cor.
22.72' N.E. " " near fire plug
56.76' S.E. " " on top curb
(West ℄ of Waco)
℄ Design Channel
CHURCH PARK ADDITION
ARKANSAS RIVER
MCLEAN
15' Access Easement
SCALE: 1"=50'
Existing R/W
Sta. 12+13.93 = 48.93' N8°59'W of R42-3 on River Bank Traverse
Existing R/W 53' ℄
Sta. 7+59.19 = 65.32' N27°40'10"W of R-43 on River Bank Traverse
Sta 10+00.5 Construct 36' R.C. Girder span, 64'-3 @ 65'-64' Cont. Prestressed Concrete Beam spans, 36' R.C. Girder span. 2-27' Roadways, 6' Median Skew 17° Left Sidewalk Lt. & Rt.
LARGE TREES
Sta. 7+73 to Sta. 11+85
2-50", 1-60", 1-70", 1-110"
Total 5 Ea.
SECTION E-E
℄ Bridge
ABUTMENT SLOPE PROTECTION
5" Concrete Riprap 4:1
Constr. Jt. or planes of weakness
Eq. Spaces of approx. 5'-0"±
5'-0"
1 1/2" Exp. Jt. Filler Type B
El. 106.0
Wire Mesh - No. W1.4 wires @ 6" ctrs. each way. Weight = 21 Lbs. per 100 Sq. Ft.
1 1/2" Exp. Jt. Filler Type B, Seal top with joint sealing compound (typ.)
SECTION H-H
Finished Berm or bank slope
Wire Mesh - do
#4 bars
#4x2'-6" bars
TYPICAL SECTION W-W
WING WALL SLOPES
CONCRETE RIPRAP DETAILS
NOTE:
RIPRAP SHALL BE OF CLASS A CONCRETE.
WIRE REINFORCING MESH SHALL BE OF THE ELECTRICALLY WELDED, SQUARE MESH TYPE AND SHALL BE COMPOSED OF NO. W1.4 STEEL WIRE SPACED AT 6" CENTERS EACH WAY.
REINFORCEMENT AS SHOWN IS INCLUDED IN UNIT PRICE BID FOR "REINFORCED CONCRETE RIPRAP".
MEASUREMENT OF CONCRETE RIPRAP SHALL BE IN SQ. YDS. AND SHALL BE THE OUTSIDE SURFACE AREA, INCLUDING THE TOE WALLS, REGARDLESS OF THE THICKENING SHOWN ON THE PLANS.
12'
℄ El. 110.81
℄ El. 110.00
10°06'
13°30"
62'
Coupling Band
25'
35'
℄ El. 95.03
℄ El. 94.86
℄ El. 94.53
15" EROSION PIPE (BCCMP)
80' Rt. Sta. 7+88
18.9' 6.3' 260' 6.3' 18.9'
Des. W.S. 106.2
Pool El. 96.6
F.L. El. 91.3
El. 97.6
DESIGN CHANNEL SECTION AT BRIDGE
Toe of Bank Slope
℄ Pier
15'
El. 97.6
F.L. Ch. El. 91.3
24" Rock Embankment
ROCK EMBANKMENT SECTION (East bank, only)
Note: Omit where rock fill is already in place.
Cut to paving grade; 33' Rt. and Lt.; taper to existing grade 60' Rt. & Lt.
Backfill after paving slope
El. 97.6
Top of Ftg.
BANK SLOPE EXCAVATION WEST BANK
Rev. 12/17/74
CITY OF WICHITA, KANSAS
R.W. LINN, P.E., CITY ENGINEER
FIRST STREET BRIDGE OVER THE ARKANSAS RIVER
CONTOUR MAP
DELAMATER, FREUND & SCHERER, P.A.
CONSULTING ENGINEERS
WICHITA, KANSAS
DATE June, 1974
DWG. NO. 89-G-9