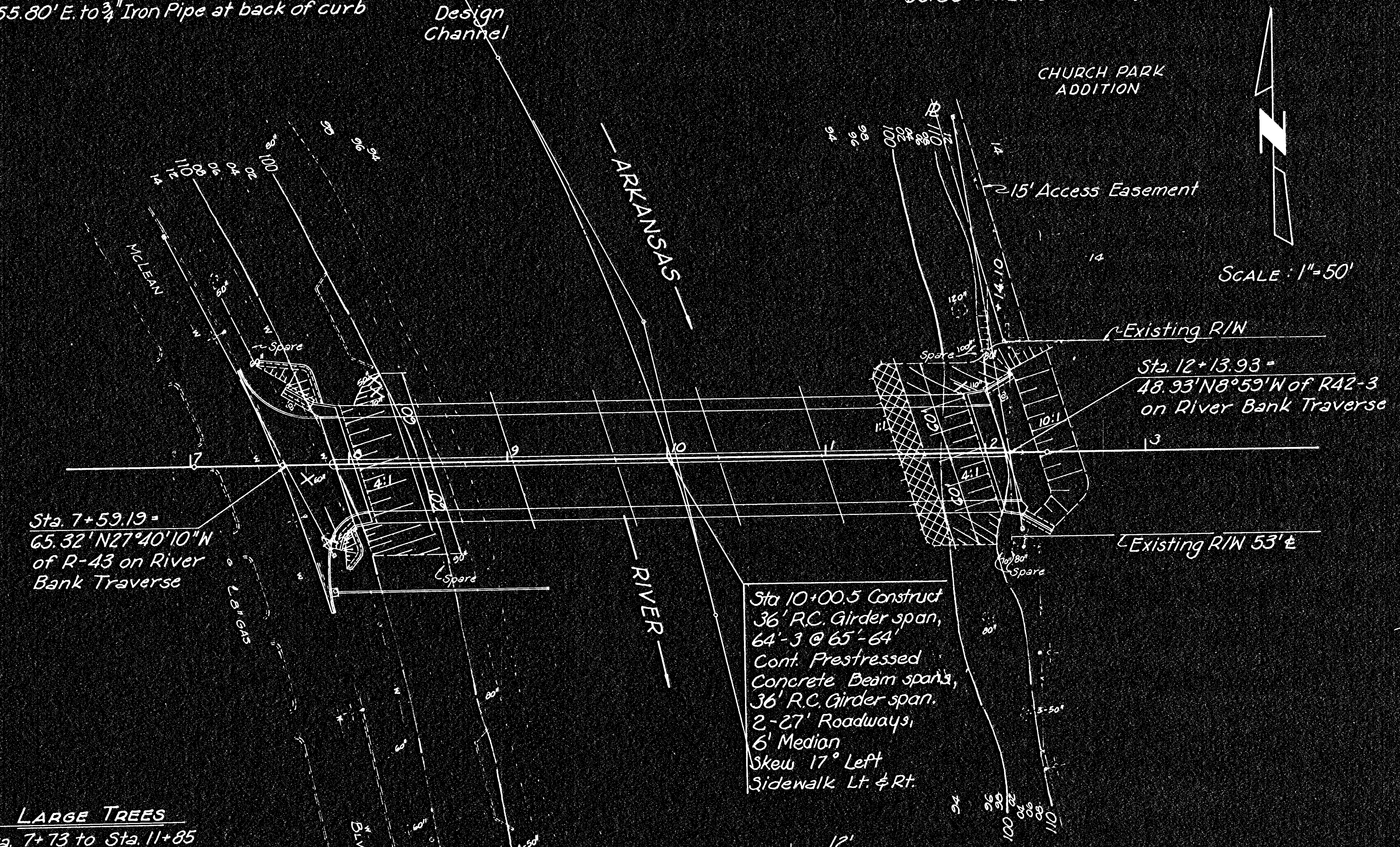
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 ER-164(1)	1974	9	28

P.O.T. Sta. 7+02.07
¾" Iron Pipe @ P.O.T.
37.15' N.E. to Chiseled "+" on top curb
39.03' S.E. " " " " " "
55.80' E. to ¾" Iron Pipe at back of curb

P.O.T. Sta. 7+51.87
¾" 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 ½" rebar, R-43 flood control trav.

P.O.T. Sta. 12+38.97
¾" Iron Pipe @ P.O.T.
73.72' N.W. to ¾" 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
¾" 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)

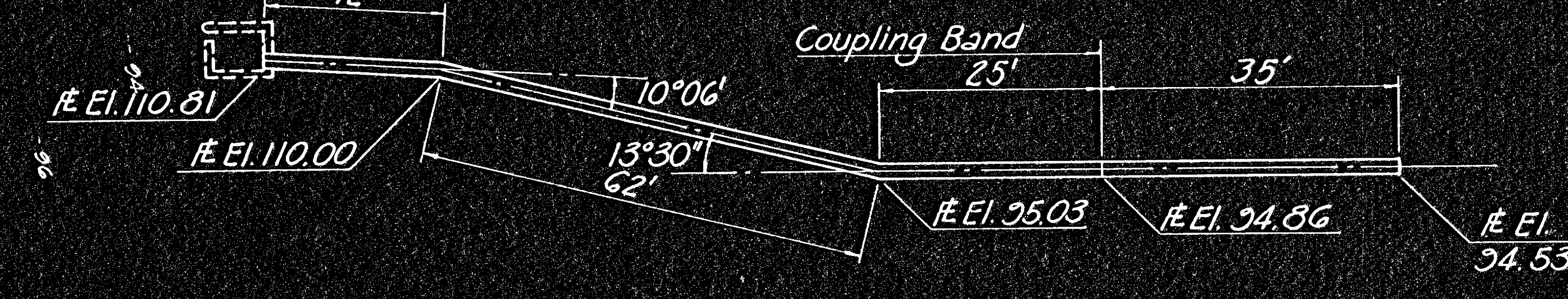


Sta. 7+59.19 =
65.32' N27°40'10"W
of R-43 on River
Bank Traverse

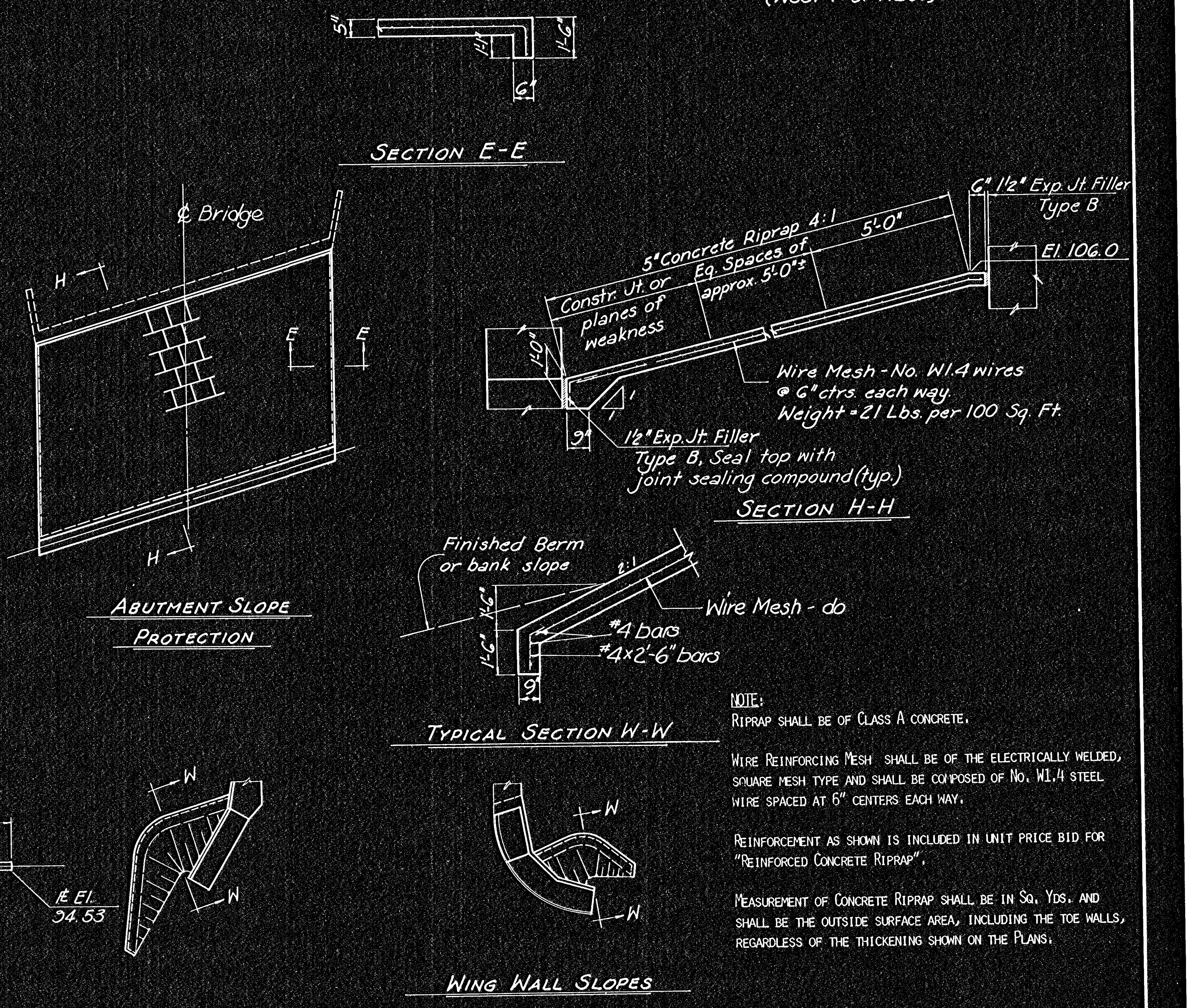
Sta. 12+13.93 =
48.93' N8°59'W of R42-3
on River Bank Traverse

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.



15" EROSION PIPE (BCCMP)
80' Rt. Sta. 7+88



5"
1'-6"
1'-1"
6"
℄ Bridge
H
E
5" Concrete Riprap 4:1
Constr. Jt. or planes of weakness
Eq. Spaces of approx. 5'-0"±
5'-0"
6"
1½" Exp. Jt. Filler Type B
El. 106.0
1'-0"
9"
Wire Mesh - No. W1.4 wires @ 6" ctrs. each way. Weight = 21 Lbs. per 100 Sq. Ft.
1½" Exp. Jt. Filler Type B, Seal top with joint sealing compound (typ.)
Finished Berm or bank slope
2:1
Wire Mesh - do
#4 bars
#4×2'-6" bars
1'-6"
9"
W

SECTION E-E

ABUTMENT SLOPE PROTECTION

SECTION H-H

TYPICAL SECTION W-W

WING WALL SLOPES

CONCRETE RIPRAP DETAILS

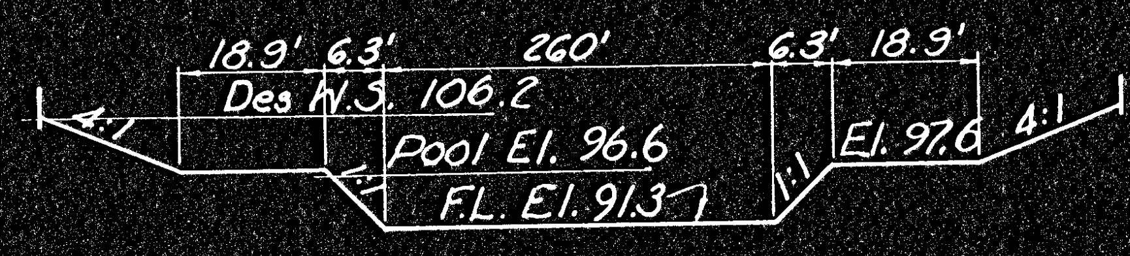
NOTE:

RIPRAP SHALL BE OF CLASS A CONCRETE.

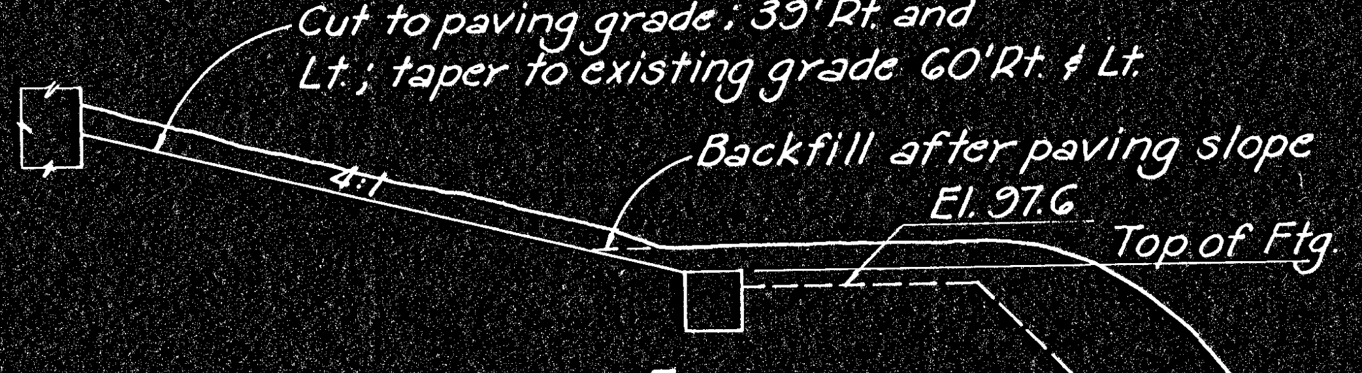
WIRE REINFORCING MESH SHALL BE OF THE ELECTRICALLY WELDED, SQUARE MESH TYPE AND SHALL BE COMPOSED OF NO. W1.4 STEEL WIRE SPACED AT 6" CENTERS EACH WAY.

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.

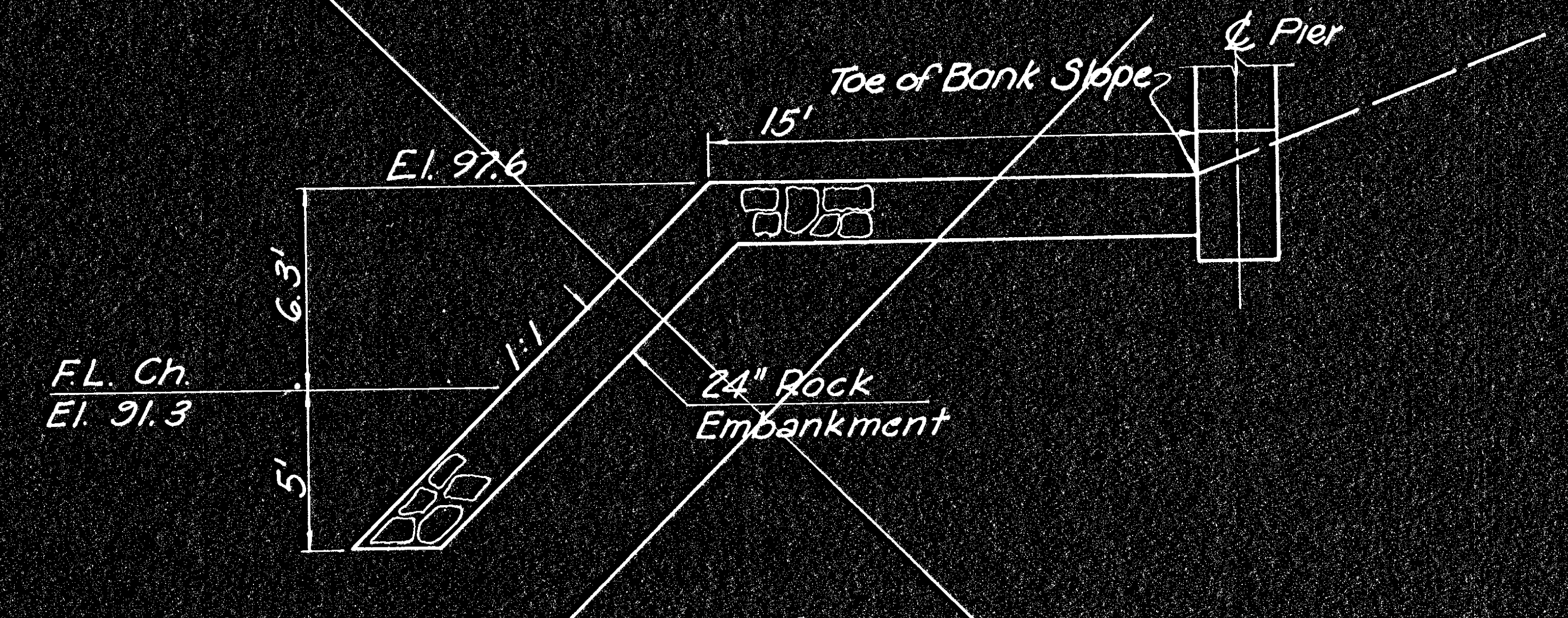


DESIGN CHANNEL SECTION
AT BRIDGE



Cut to paving grade; 39' Rt. and Lt.; taper to existing grade 60' Rt. & Lt.
4:1
Backfill after paving slope
El. 97.6
Top of Ftg.

BANK SLOPE EXCAVATION
WEST BANK



ROCK EMBANKMENT SECTION
(East bank, only)

NOTE: Omit where rock fill is already in place.

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

SCALE
DATE June, 1974
DWG. NO. 89-G-9

SURV. PLOT. DES. DR. TR. CKD. APP.