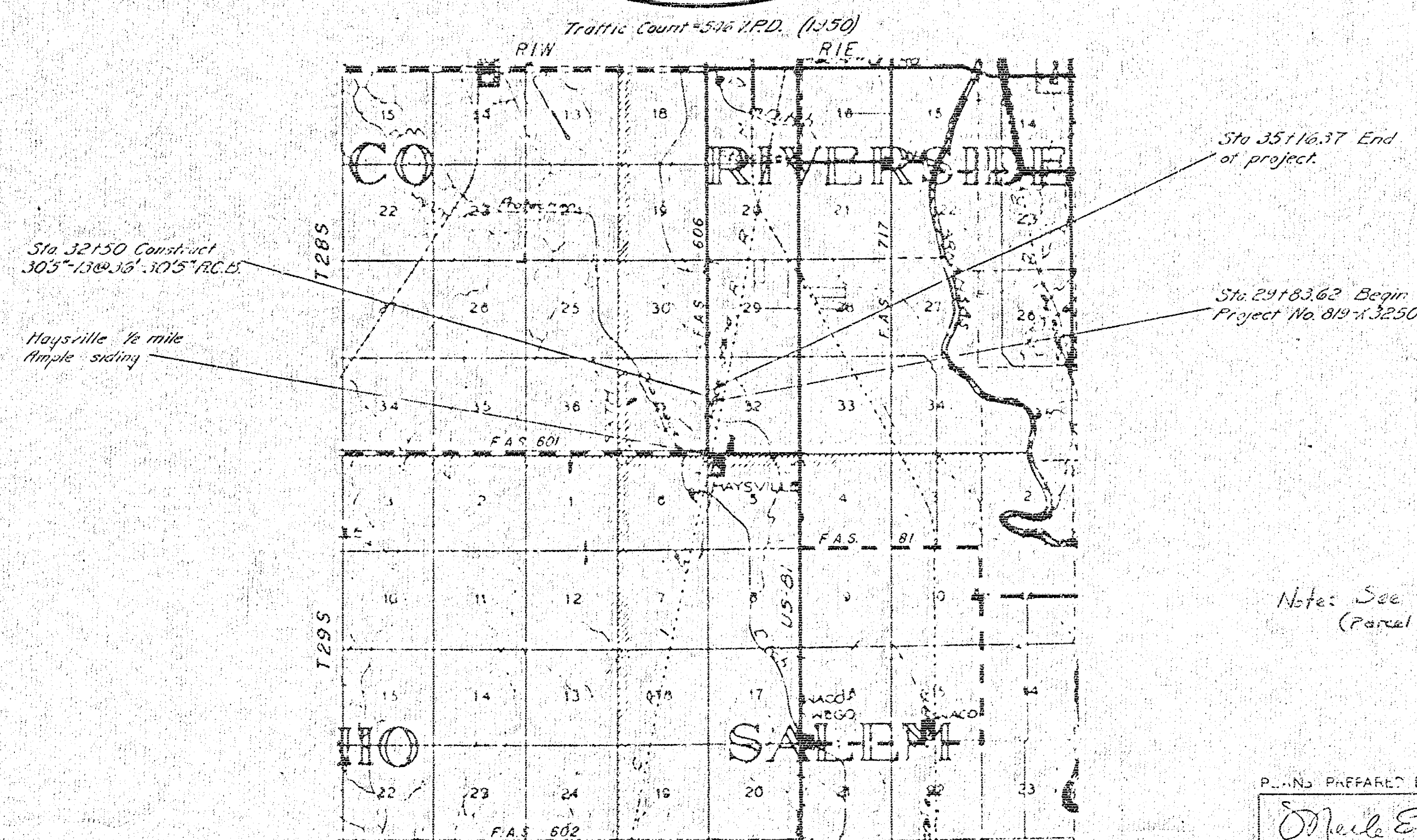




STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KANSAS			1	8

INDEX OF SHEETS	
SHEET NO.	TITLE SHEET
1	Topography
2	Plan & Profile
3	Construction Layout
4	General Details
5	Right-of-Way Details
6	Planting Details
7	Filling Details
8	

Bridge Only



Notes: See Letter DH 7 Jan, 1952 concerning County rip-rap (Parcel A) F.12

CONVENTIONAL SIGNS

COUNTY LINE	-----
SECTION LINE	-----
WIRE FENCE	-----
HEDGE ROW	-----
RAILROADS	-----
SURVEY LINE	-----
RIGHT OF WAY	-----
TELEPHONE POLE	-----
POWER POLE	-----
TRAVELED WAY	-----

NET LENGTH OF PROJECT	332.75	FT.	.10	MILES
NET LENGTH OF BRIDGES	512.75	FT.	.10	MILES
NET LENGTH OF ROAD		FT.		MILES
EXCEPTIONS		FT.		MILES
ADDITIONS		FT.		MILES
GROSS LENGTH OF PROJECT	332.75	FT.	.10	MILES

PLANS PREPARED BY

Charles E. Schuch

County Design Engineer

DATE

APPROVED

DATE

APPROVED

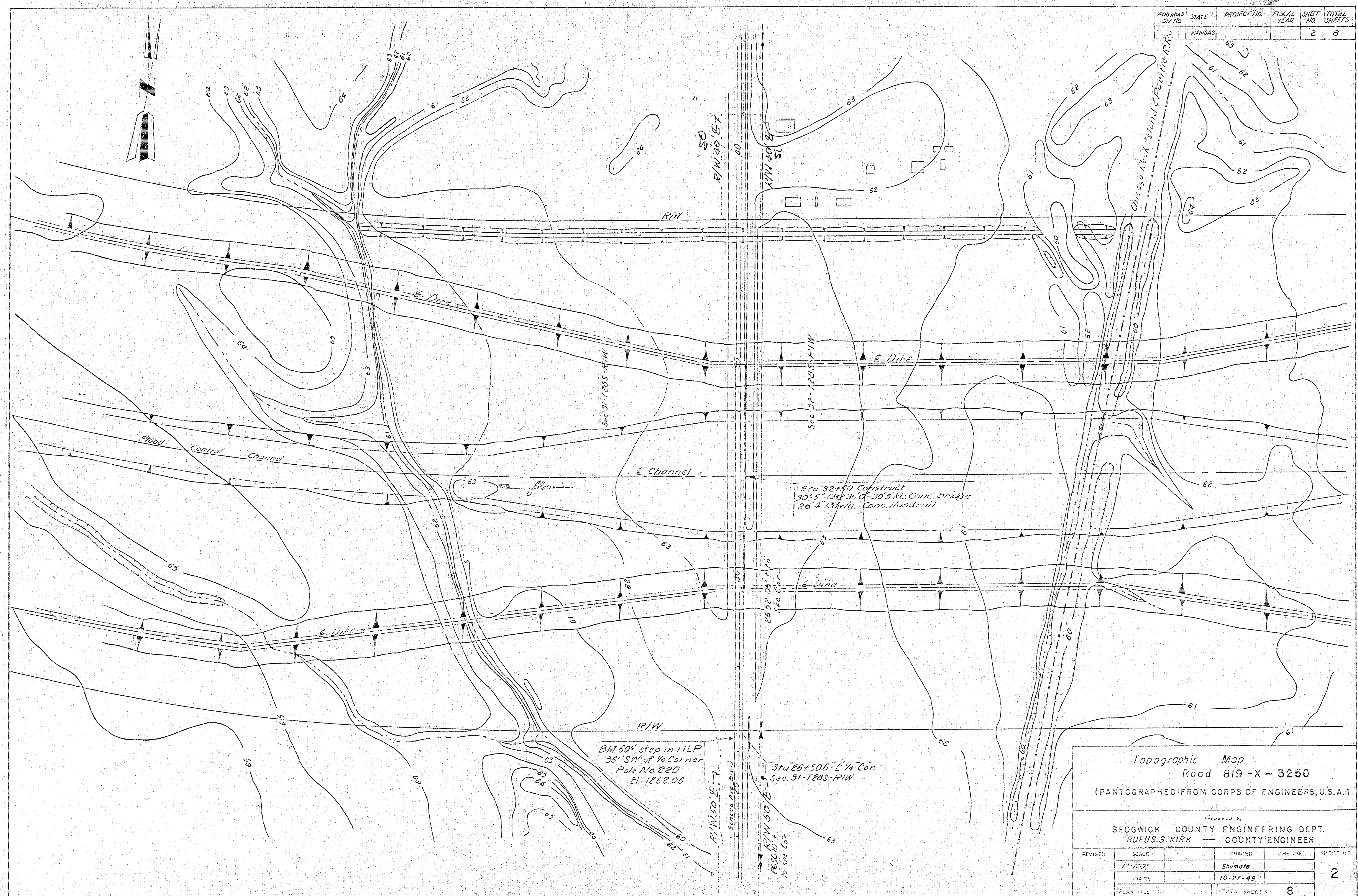
Robert H. Kirk

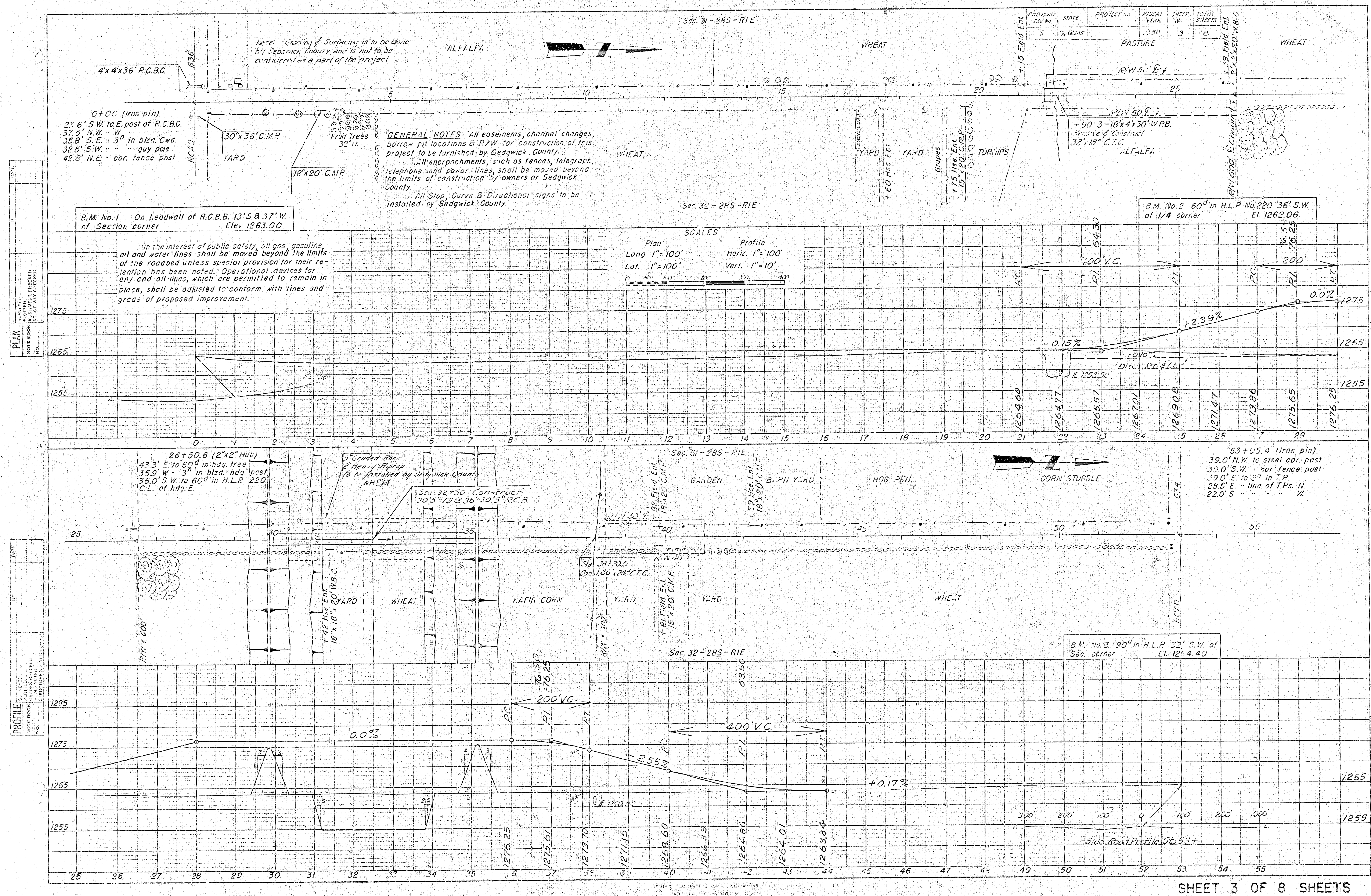
COUNTY ENGINEER

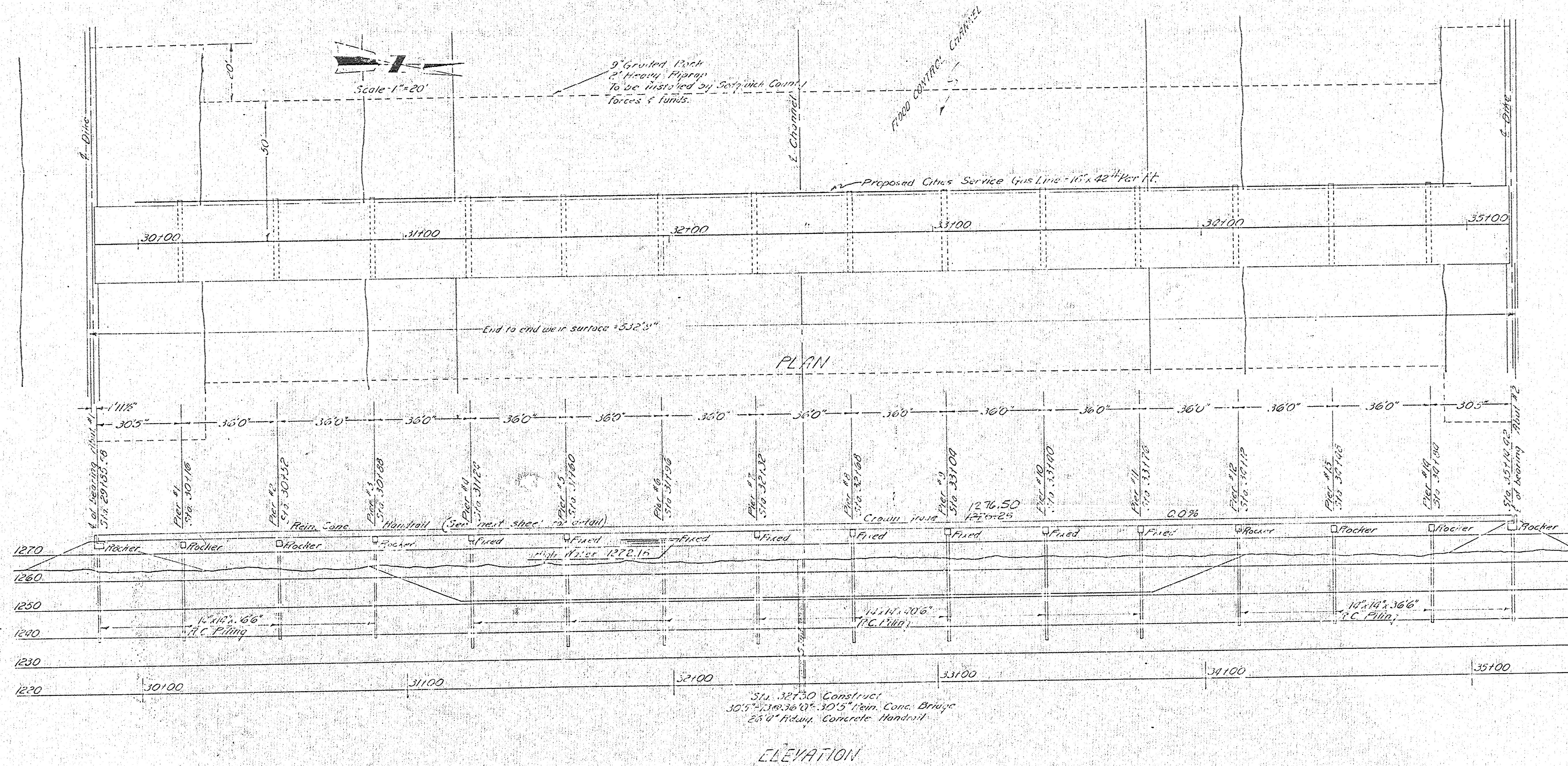
DATE

APPROVED

DATE







FLOODWAY DATA

Top of left bank elevation 1275.72 1276.22 } 4/452
 Top of right bank elevation 1274.73 1275.23 }
 Bottom of channel elevation 1254.52
 Highway elevation 1272.15
 Width of channel at bottom 60'
 Side slopes of channel 1 on 2.5
 Side slopes of levee 1 on 3
 Width of floodway center to center of levee 533' 559' } 4/452
 Estimated flow 46,500 cfs
 Estimated velocity 8 ft/sec

GENERAL NOTES

Design: According to A.A.S.H.O. Specifications, edition of 1958, 14-20-30, loading, 14-20-000 psi, 14-1000 psi.

Soundings: Taken by Sedgwick County with 48 ft. pole.

Piling: Concrete piling 14" dia driven to a compacted 18" dia sand core pile.

Concrete: Use Class A(III) concrete throughout. Bored all exposed edges with 1/4" triangular marking.

Forms: Contractor shall use preformed metal forms owned by Sedgwick County.

Embankment: To be constructed by Sedgwick County or others. No earthwork is to be considered a part of this project.

CONSTRUCTION LAYOUT BRIDGE NO. 819-X-3250

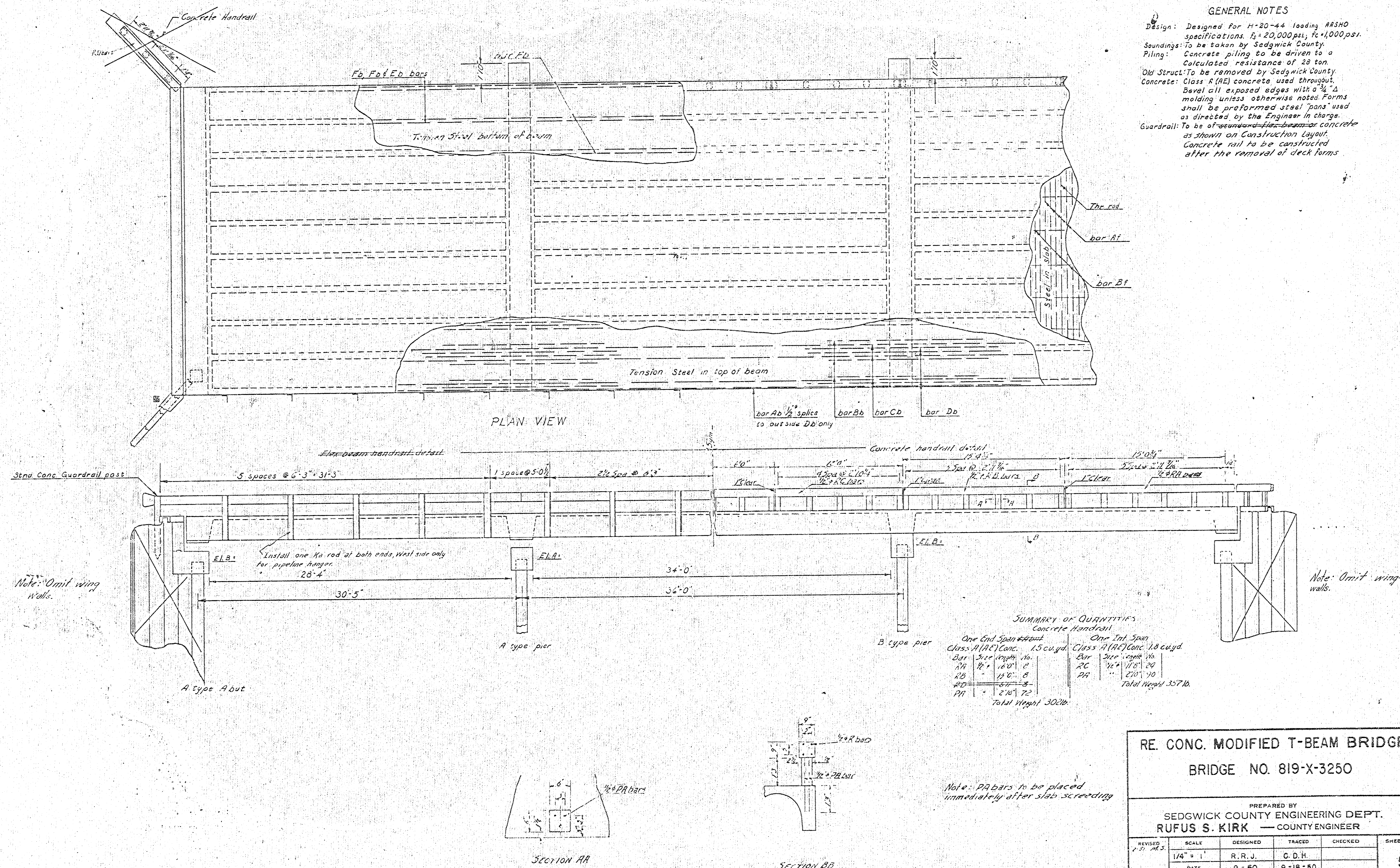
PREPARED BY
SEDGWICK COUNTY ENGINEERING DEPT.
RUFUS S. KIRK — COUNTY ENGINEER

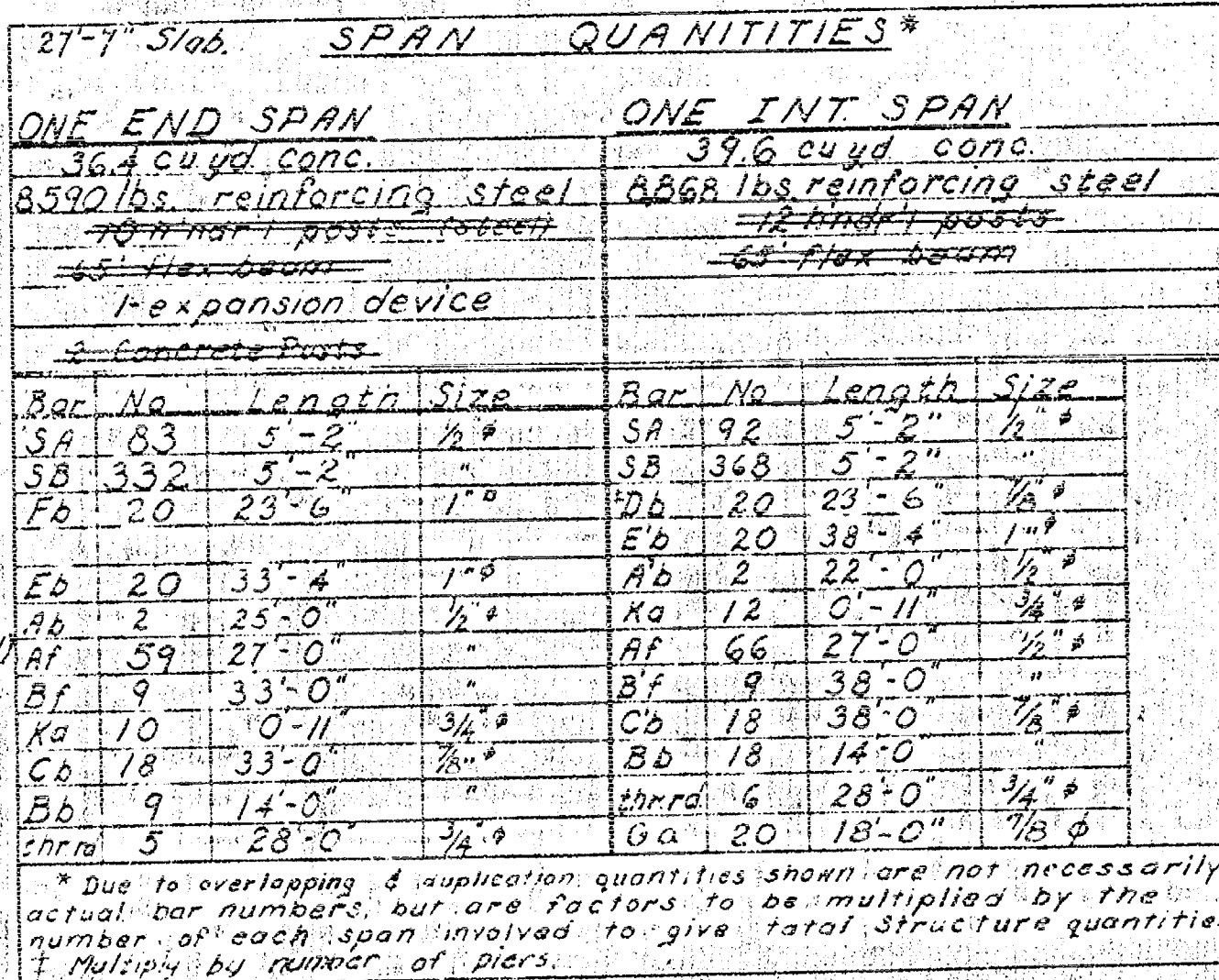
REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
	1"=20'	M.E.S.	L.W.H.		4
DATE					
PLANFILE			TOTAL SHEETS	8	

Pub. Rd. Div. No.	State	Project No.	Fiscal Year	Sheet No.	Total Sheets
5	Kansas			5	8

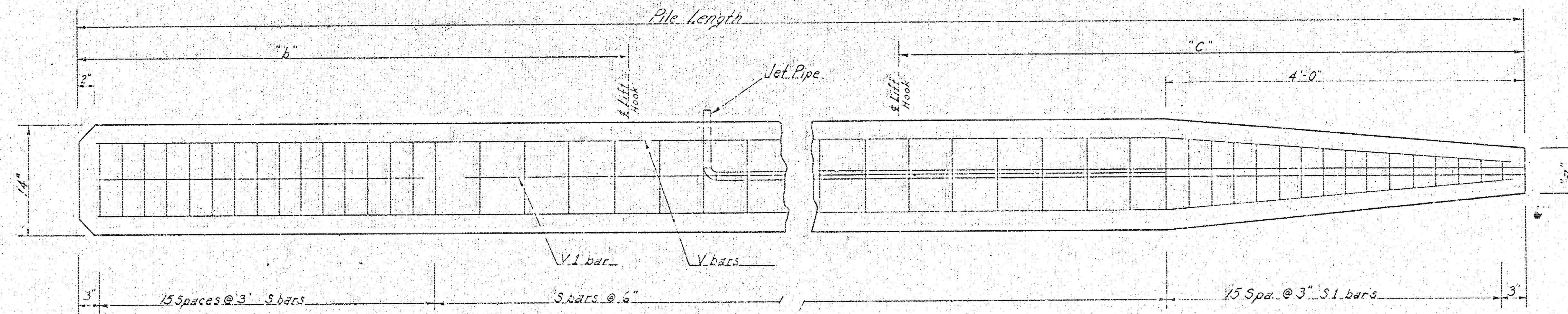
GENERAL NOTES

Design: Designed for H-20-44 loading AASHTO specifications. $R_s = 20,000 \text{ psi}$, $R_c = 4,000 \text{ psi}$.
 Soundings: To be taken by Sedgwick County.
 Piling: Concrete piling to be driven to a calculated resistance of 28 ton.
 Old Struct: To be removed by Sedgwick County.
 Concrete: Class R (R2) concrete used throughout.
 Bevel all exposed edges with a $\frac{1}{4}$ " mauling unless otherwise noted. Forms shall be preformed steel "pans" used as directed by the Engineer in charge.
 Guardrail: To be of unreinforced concrete as shown on Construction Layout. Concrete rail to be constructed after the removal of deck forms.

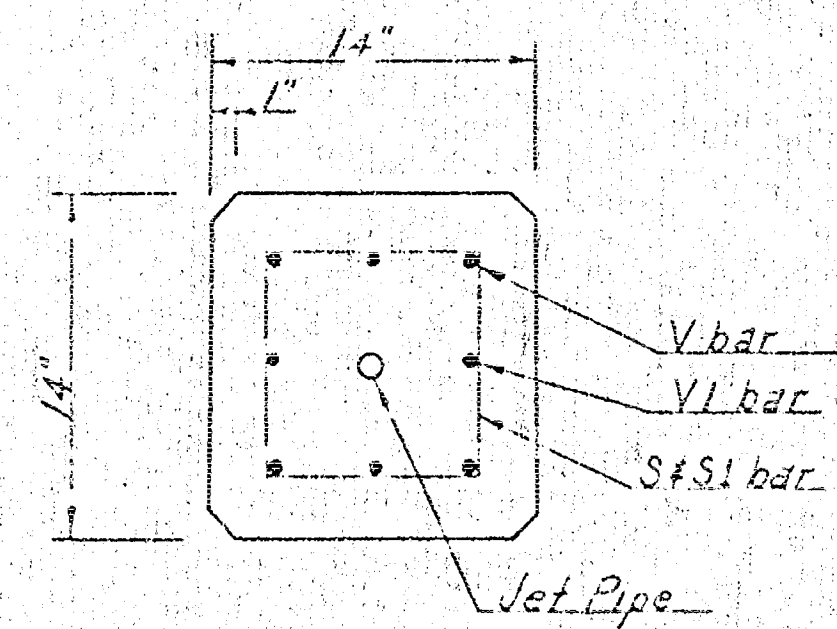




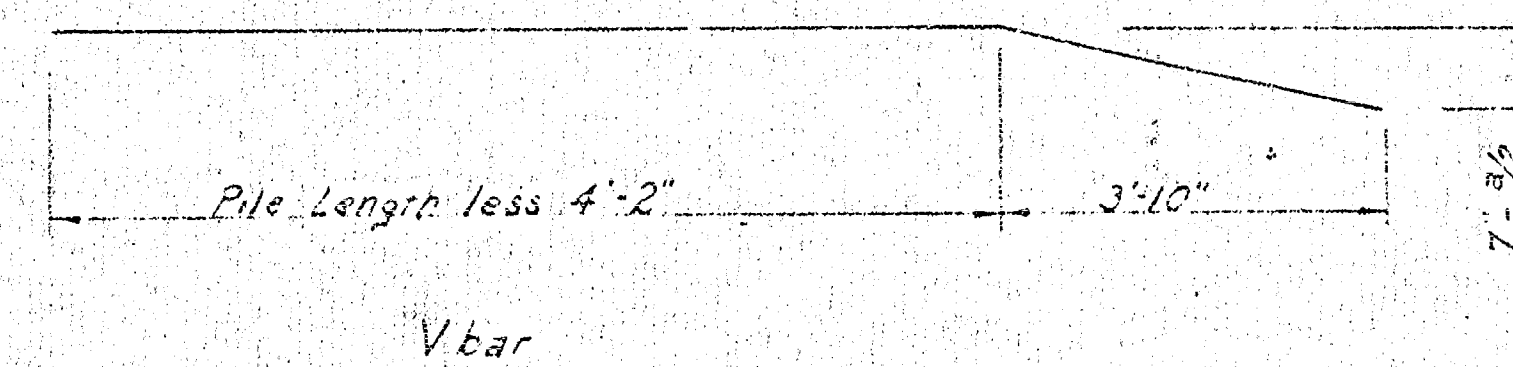
Pub. Rd. Div. No.	State	Project No.	Fiscal Year	Sheet No.	Total Sheets
5	Kansas		1951	8	8



ELEVATION



END VIEW



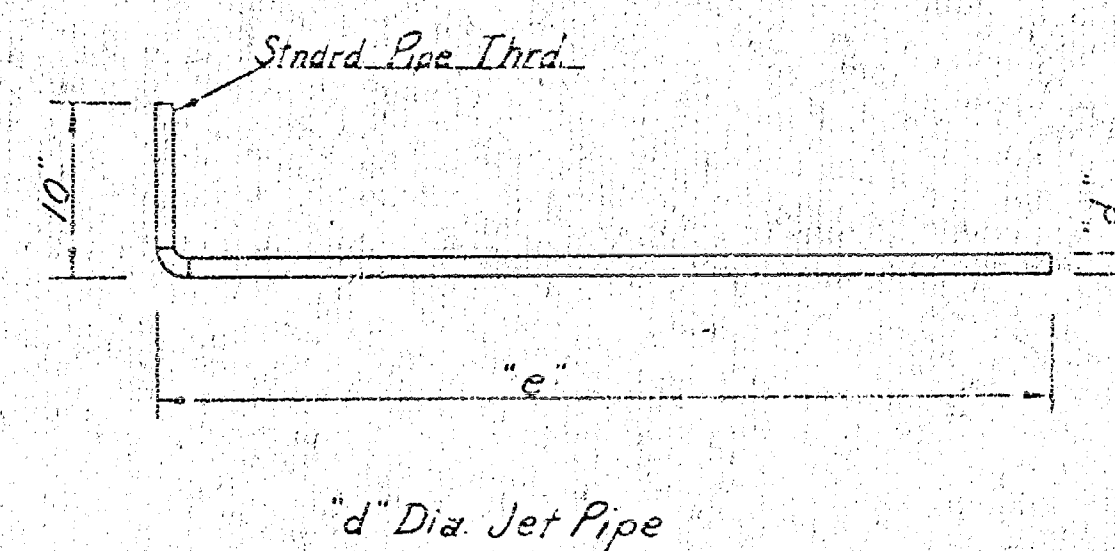
General Notes

Design: According to ARS MO Specifications 1949 Edition 15,000 psi. Fe 1,000 psi.
Concrete: Use class A throughout if piling are to be encased or otherwise protected. Use class B (AC) if piling are to form open bent, unless otherwise noted.
Reinforcing: All dimensions are to center of bars unless otherwise noted.
Jet Pipe: Standard pipe of Dimensions shown unless otherwise approved by Engineer.
Curing: Piling shall be left in forms or otherwise properly cured for at least 7 days. Piling shall not be moved until concrete has attained its design strength or a minimum of 4 weeks after casting.
Payment: The cost of material and labor used for casting and driving of piles shall be included in the unit bid for concrete piles.
Handling: Piling shall only be lifted by handling hooks or by rigging within 16' of hook location.

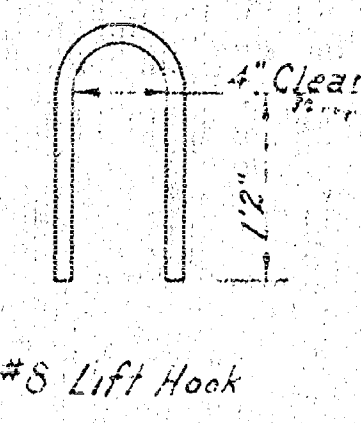
Note: Concrete at end of piles shall be removed to expose reinforcing as shown elsewhere on plans. The measured length for payment of piles shall be as stated in Sect. 59.40 of the standard Specifications of Kansas, Edition of 1951.

Pile Length	20'-6"	24'-6"	28'-6"	32'-6"	36'-6"	40'-6"
Bar	Size Length No.	Size Length No.	Size Length No.	Size Length No.	Size Length No.	Size Length No.
V	#7 20'-6" 4	#7 24'-6" 4	#7 28'-6" 4	#7 32'-6" 4	#6 36'-6" 4	#6 40'-6" 4
V.I.	#2 3'-4" 41	#2 3'-4" 49	#2 3'-4" 57	#2 3'-4" 65	#2 3'-4" 73	#2 3'-4" 81
S1	#2 Var. 15	#2 Var. 15	#2 Var. 15	#2 Var. 15	#2 Var. 15	#2 Var. 15
Lift Hook	#8 3'-0" 2	#8 3'-0" 2	#8 3'-0" 2	#8 3'-0" 2	#8 3'-0" 2	#8 3'-0" 2
Jet Pipe	#8 3'-0" 2	#8 3'-0" 2	#8 3'-0" 2	#8 3'-0" 2	#8 3'-0" 2	#8 3'-0" 2
a	6"	6"	6"	6"	6"	6"
b	6'-0"	7'-2"	8'-4"	9'-6"	10'-8"	11'-10"
c	8'-0"	1'-2"	10'-4"	11'-6"	12'-8"	13'-10"
d	6"	6"	6"	6"	6"	6"
e	2'-3 3/8" to 2'-8 3/8"	2'-8 3/8" to 2'-10 3/8"	2'-10 3/8" to 2'-11 3/8"	2'-11 3/8" to 2'-12 3/8"	2'-12 3/8" to 2'-13 3/8"	2'-13 3/8" to 2'-14 3/8"
Concrete	9.4 Cu Yds.	11.4 Cu Yds.	13.4 Cu Yds.	15.4 Cu Yds.	17.4 Cu Yds.	19.4 Cu Yds.
Rebar	207 Lbs.	247 Lbs.	287 Lbs.	327 Lbs.	367 Lbs.	407 Lbs.

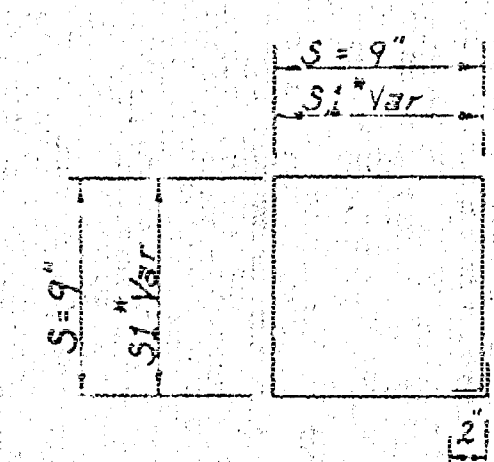
Pile Length	37'-0"
Bar	Size Length No.
V	#6 36'-0" 4
V.I.	#2 3'-4" 74
S1	#2 Var. 15
Lift Hook	#8 3'-0" 2
Jet Pipe	#8 3'-0" 2
a	10"
b	10'-10"
c	11'-11"
d	1'-4"
e	See Note
X-Y	2'-5 3/4" to 2'-6 3/4"
Concrete	1.82 Cu Yds.
Rebar	452 Lbs.



"d" Dia Jet Pipe



#8 Lift Hook



S1 bar

S1-15 bars, increase from "x" to "y" by "2" increments

14"x14"x Re. Conc. Piling
BRIDGE NO. 819-x-3250

PREPARED BY
SEDGWICK COUNTY ENGINEERING DEPT.
RUFUS S. KIRK — COUNTY ENGINEER

REV.	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
		Schwab	Hausman		8
	DATE	12-51	1-52		
	PLANFILE		TOTAL SHEETS	8	