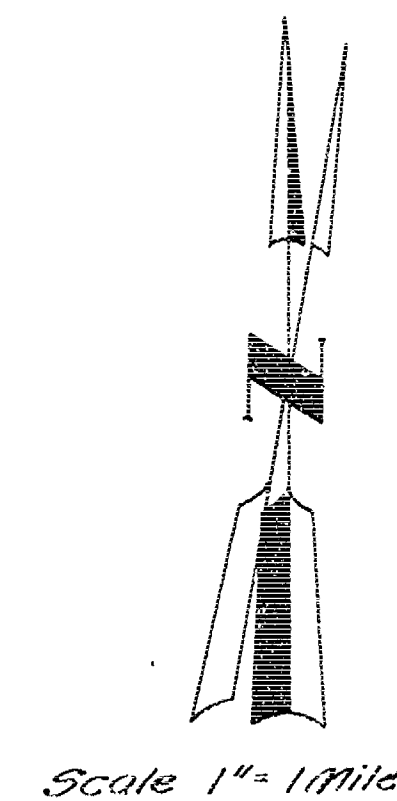




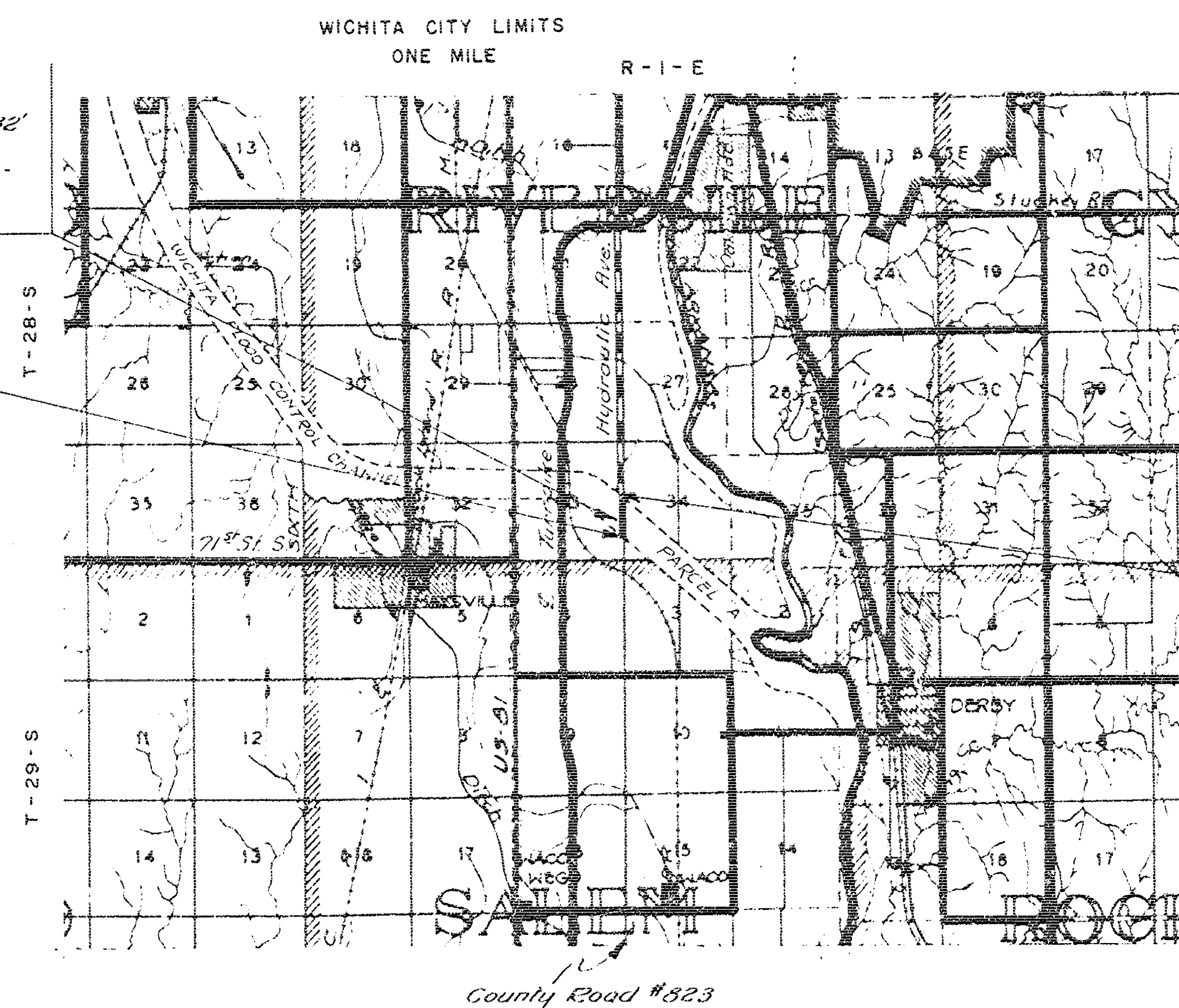
BRIDGE ONLY



INDEX OF SHEETS	
SHEET NO.	TITLE SHEET
Sheet #1	Topographic Map
Sheet #2	Plan Profile
Sheet #3	Construction Layout
Sheet #4	Pier & Abutment Details
Sheet #5	Steel Details
Sheet #6	Deck Details
Sheet #7	Auxiliary Details
Sheet #8	Pile Details
Sheet #9	Bar Supports & Spacers
Sheet #10	

Sta 18169.64 Construct 32' 23' 00" 25' 32"
Continuous Steel Beam Spans on
Pile Bent Piers. Open Type Abut-
ments - 28 Roadway Aluminum
Handrail

Sta 13118.41 Begin Project
No. 823-X-1870



Sta 24120.81 End Project
No. 823-X-1870

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	1102.33	FT	0.209	MILES
NET LENGTH OF BRIDGES	1102.33	FT	0.209	MILES
NET LENGTH OF ROAD	None	FT	None	MILES
EXCEPTIONS	"	FT	"	MILES
ADDITIONS	"	FT	"	MILES
GROSS LENGTH OF PROJECT	1102.33	FT	0.209	MILES

APPROVED BY CHAIRMAN
<i>[Signature]</i>
BOARD OF COUNTY COMMISSIONERS
DATE Aug. 3 - 1958

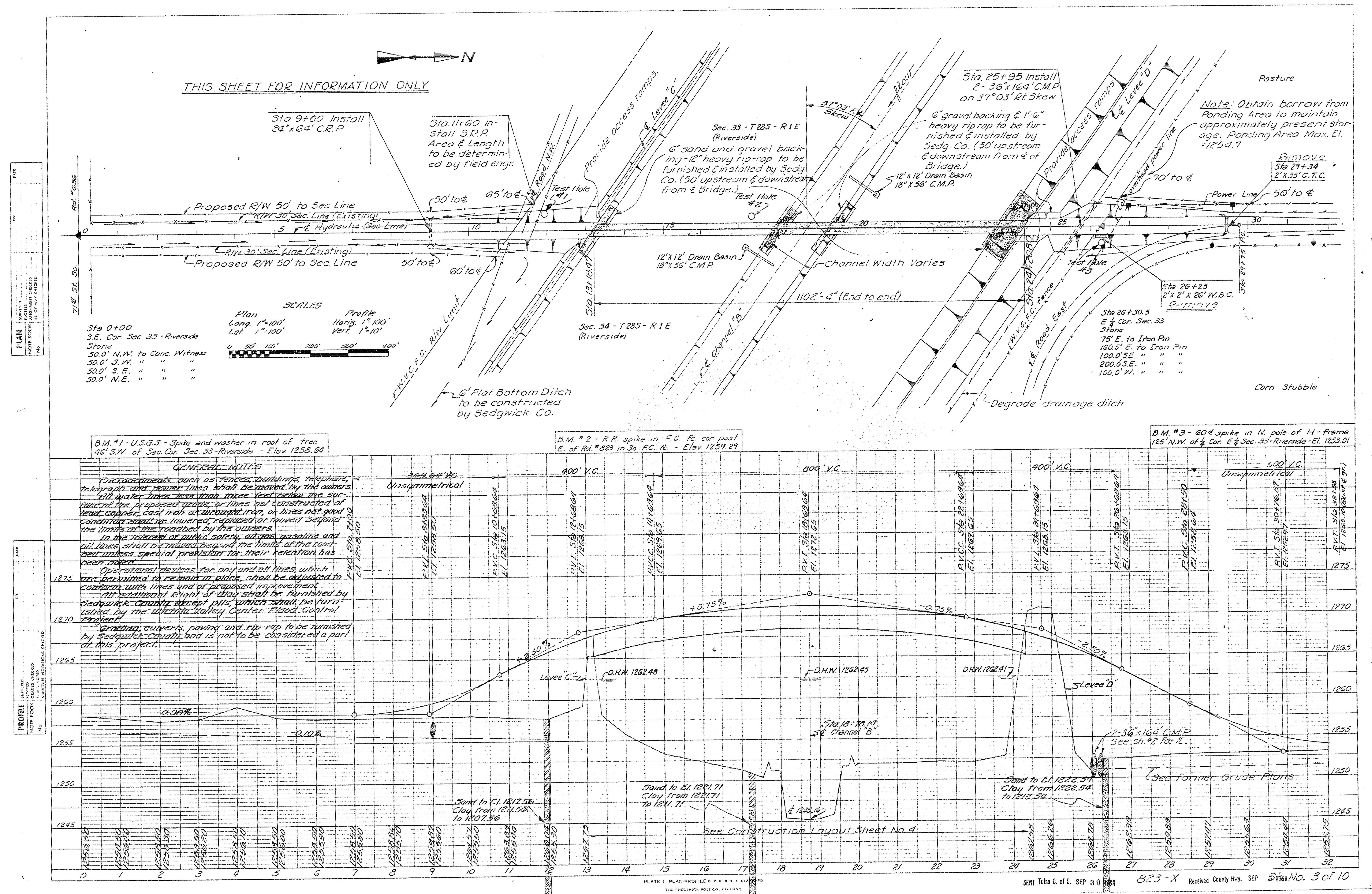
PLANS PREPARED BY
SEDGWICK COUNTY ENGR'G. DEPT.
WICHITA, KANSAS
DATE 7/58

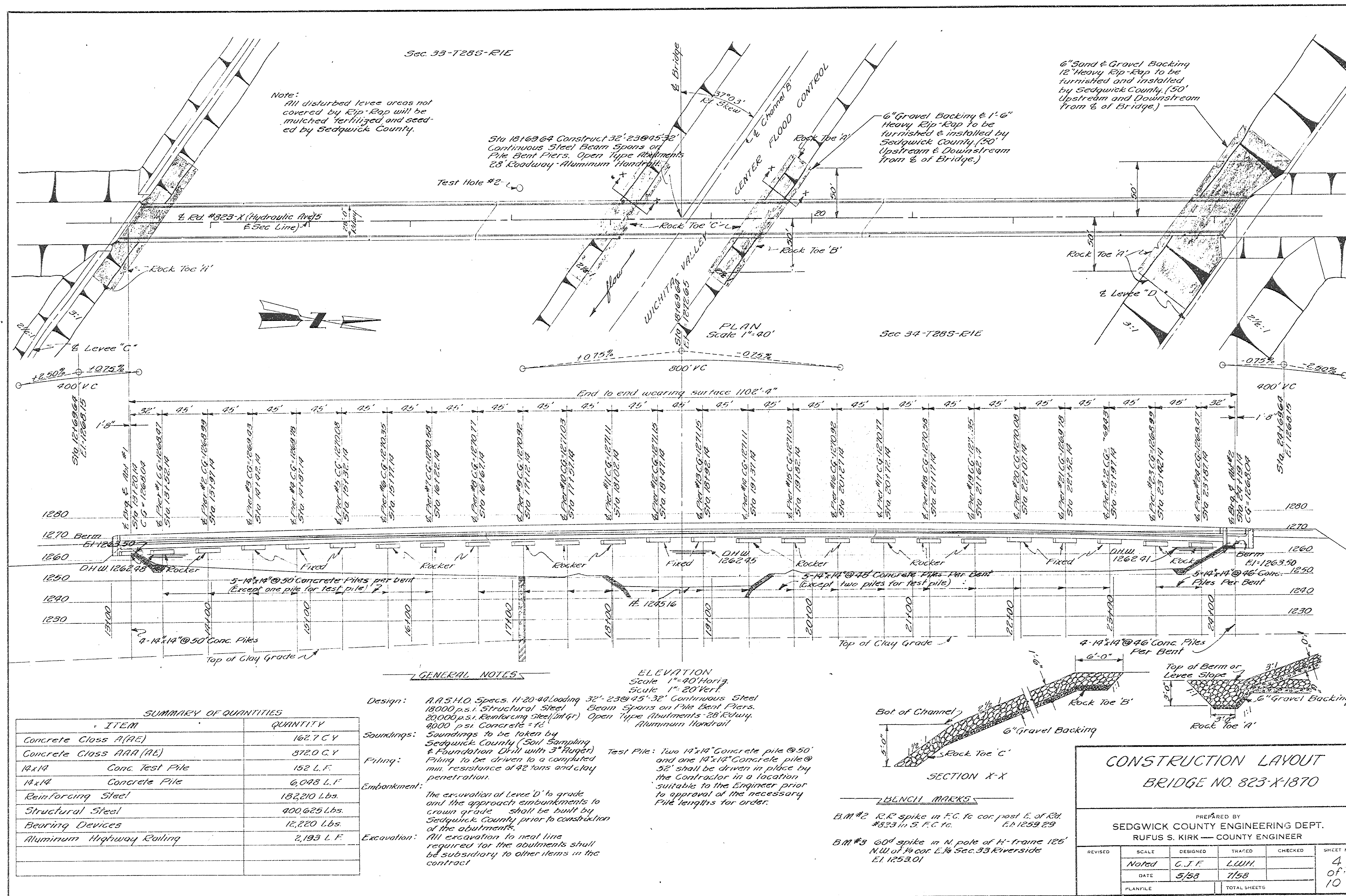
APPROVED
CORPS OF ENGINEERS
DATE Aug. 27 - 1958

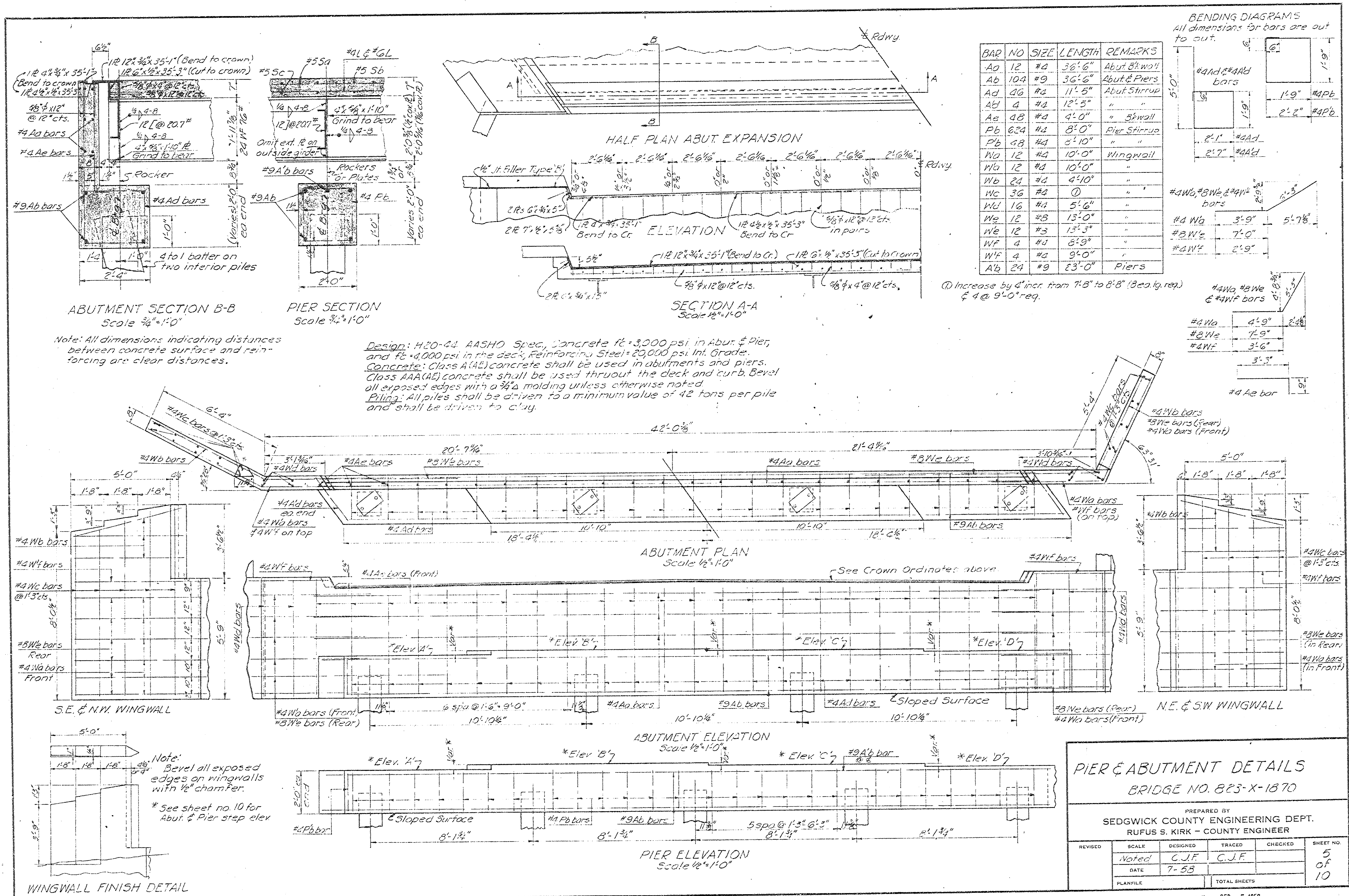
FILED IN COUNTY CLERK'S OFFICE
<i>[Signature]</i>
COUNTY CLERK
DATE Sept 3rd 1958

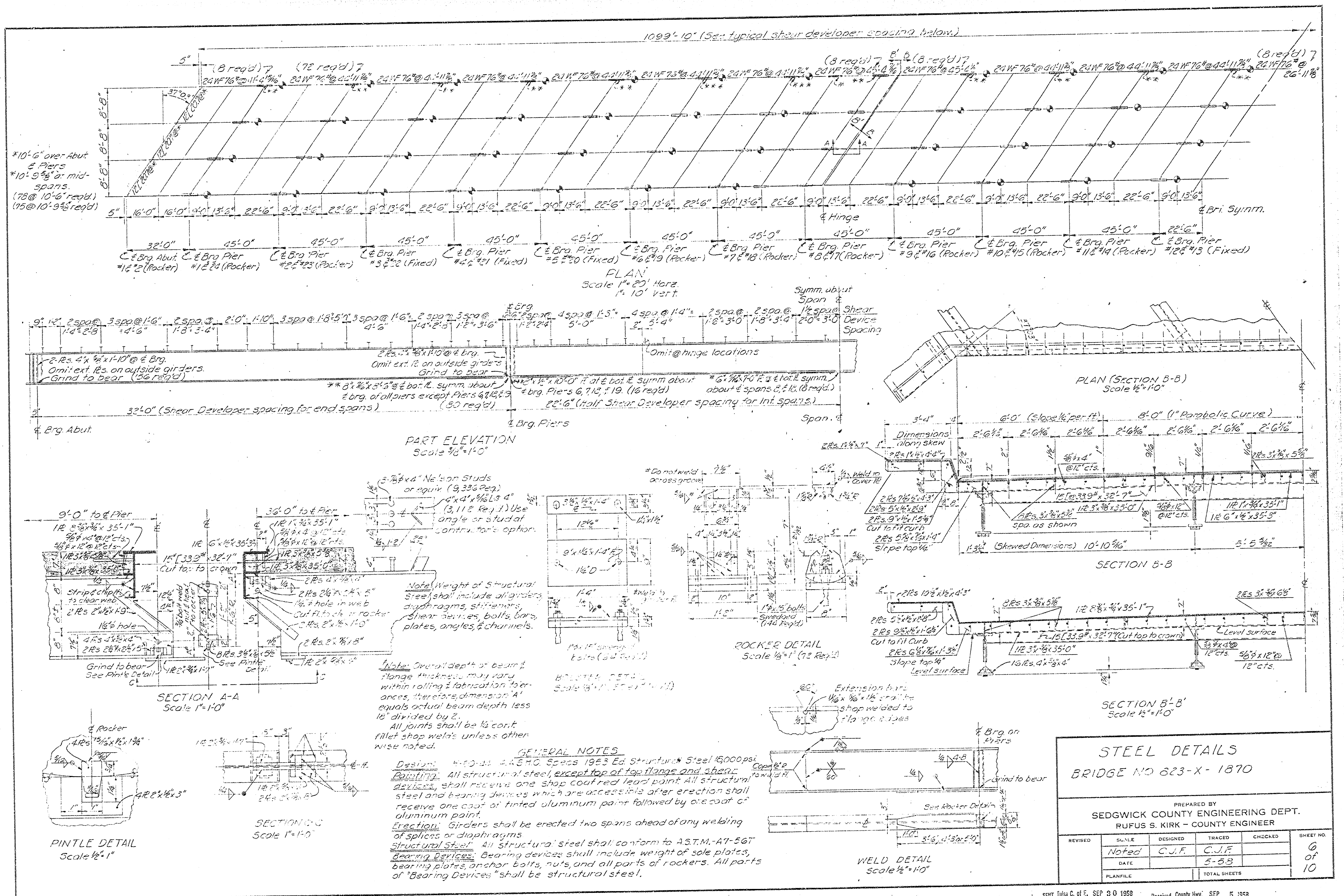
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COUNTY ENGINEER
DATE Sept. 2 - 1958

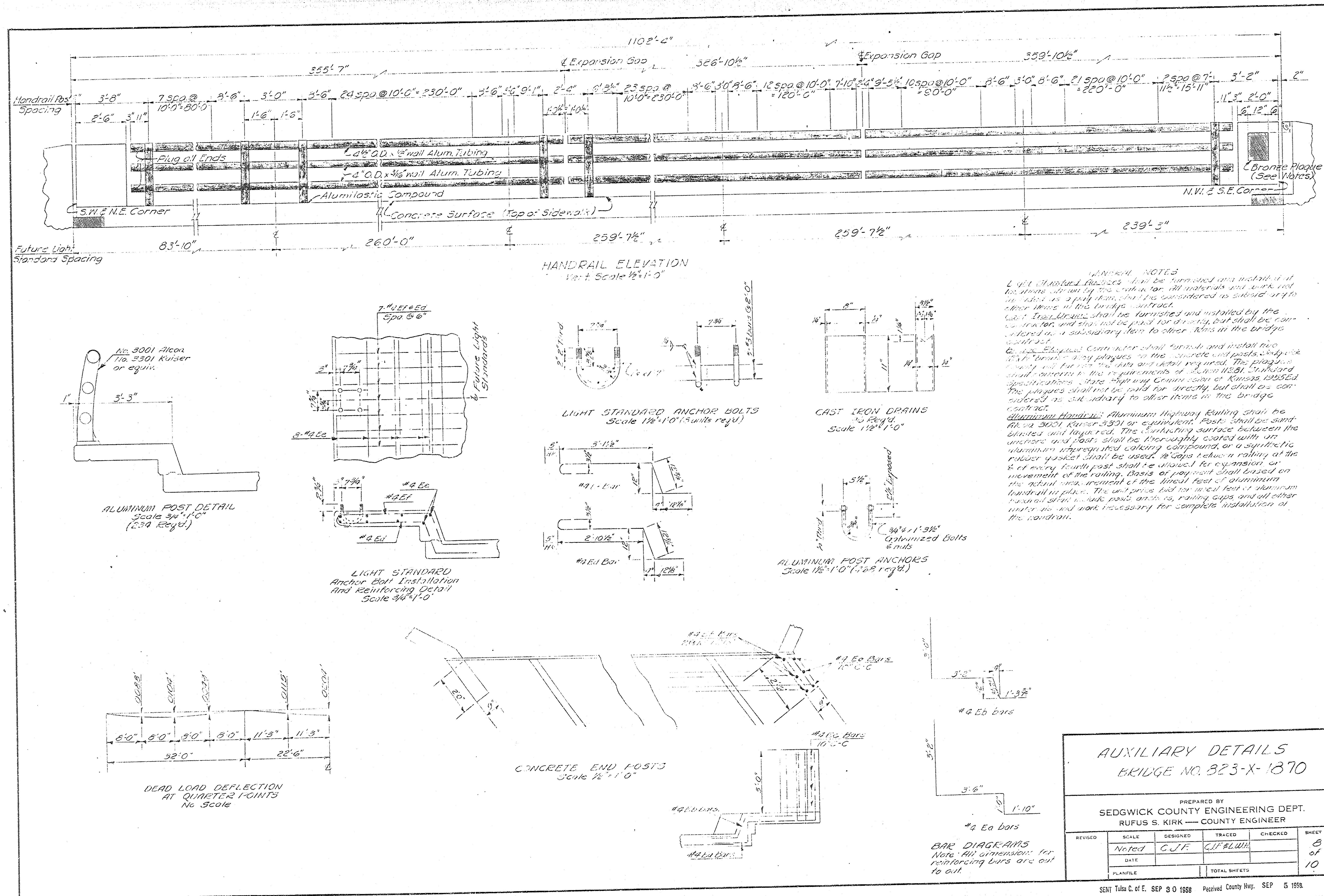
APPROVED
KANSAS STATE HIGHWAY COMMISSION
DATE Aug. 13 - 1958



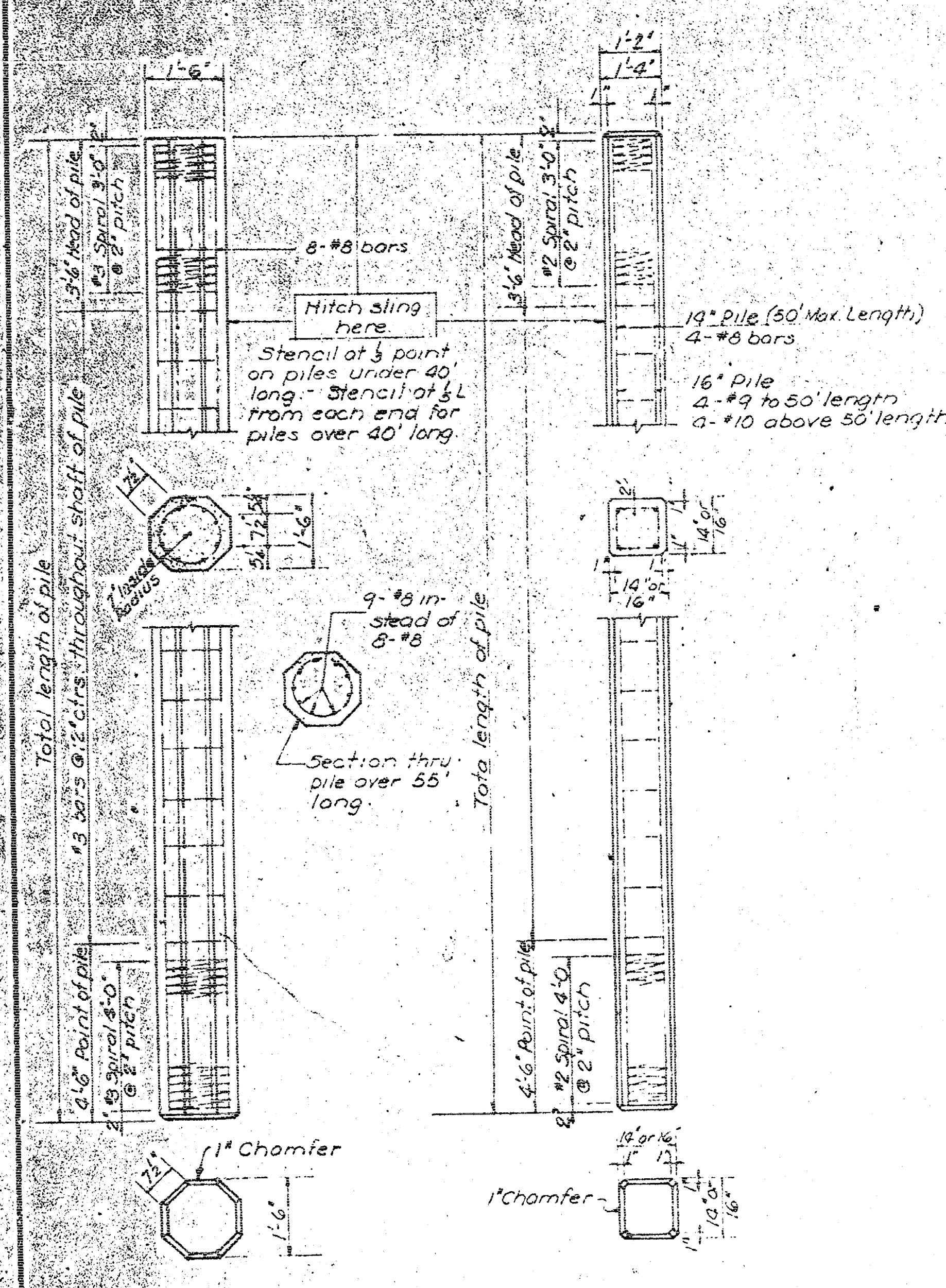








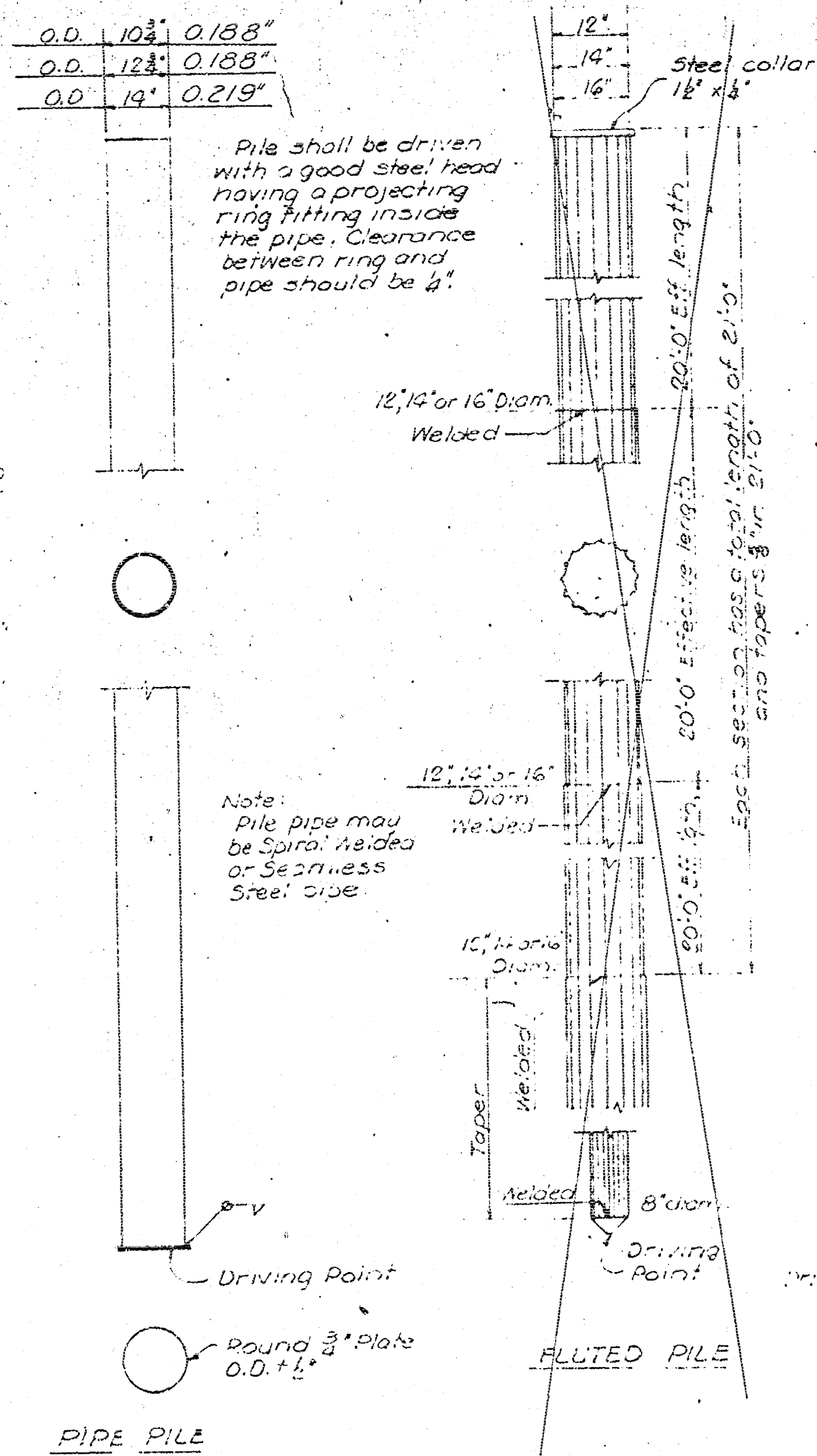
PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
5	KANSAS		195		



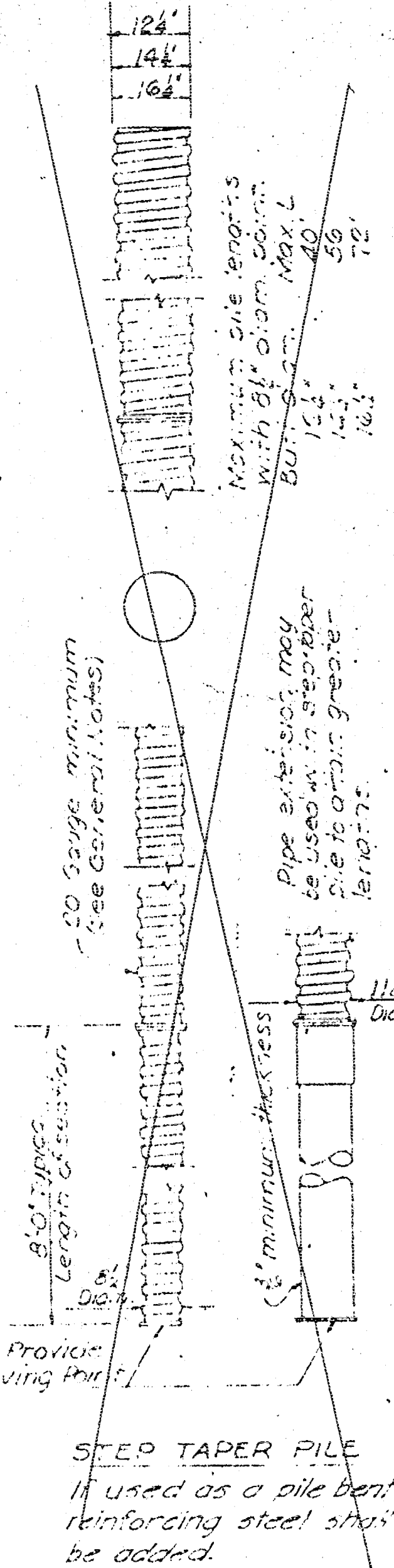
PRECAST PILES

General Notes

1. Specifications for State Road and Bridge Construction are currently used by State Highway Commission of Kansas.
2. Choice of Piles
As indicated in the plans, piles will be considered as point bearing or friction piles, where point bearing piles are specified, the contractor may elect to use either the steel pile specified on the fishing plans or the equivalent precast concrete, cast-in-place concrete or prestressed concrete pile shown in the table on this sheet. Where friction piles are specified the contractor may elect to use either the steel pile or the precast concrete, cast-in-place concrete or prestressed concrete pile shown in the table on this sheet. If piles are not included as an alternate, friction piles are specified, other types of concrete piles not shown here are subject to the approval of the Engineer.
3. Concrete
All concrete for precast and cast-in-place shall be Class "A" or 3000 p.s.i. Concrete for prestressed piles shall be Class "A", 4000 p.s.i.
4. Reinforcement
Reinforcing bars shall be new billet steel of intermediate grade without exception. Hooks and spirals may be either plain or deformed bars.

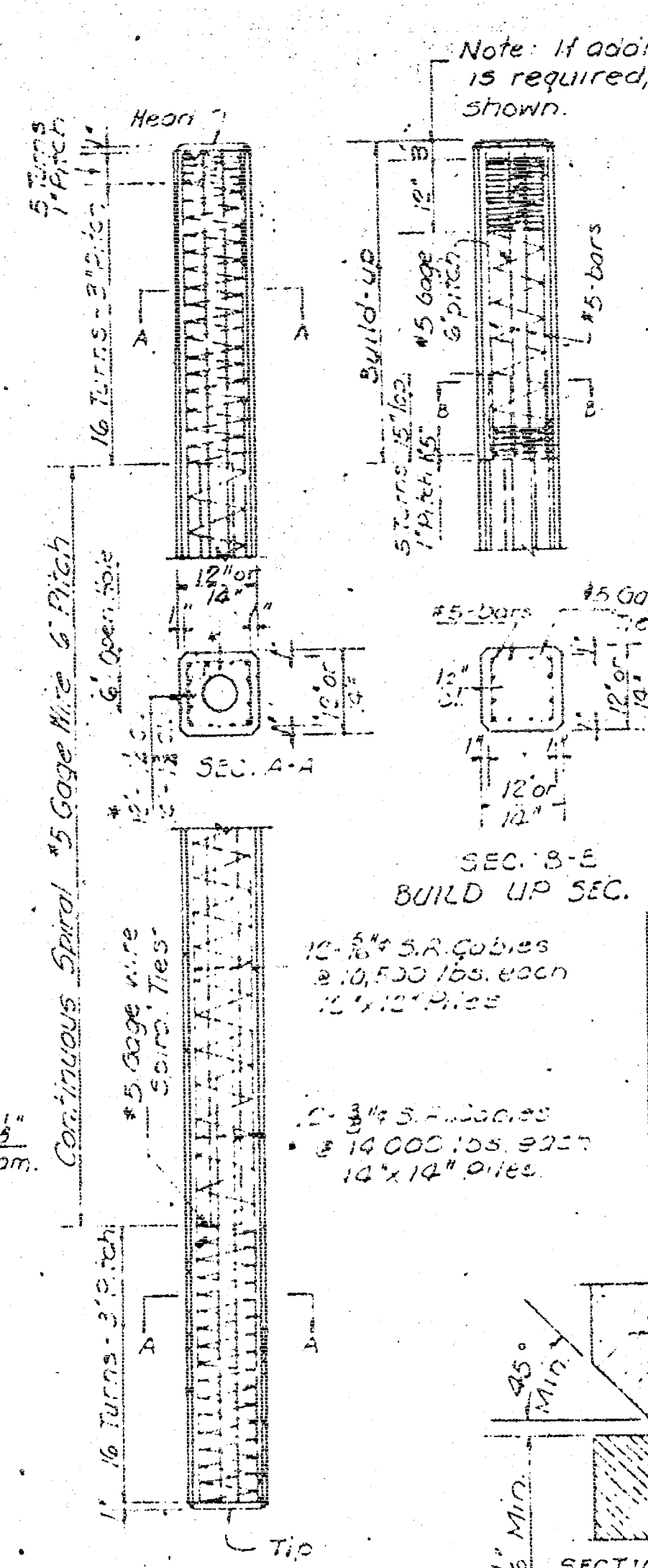


CAST-IN-PLACE PILES.

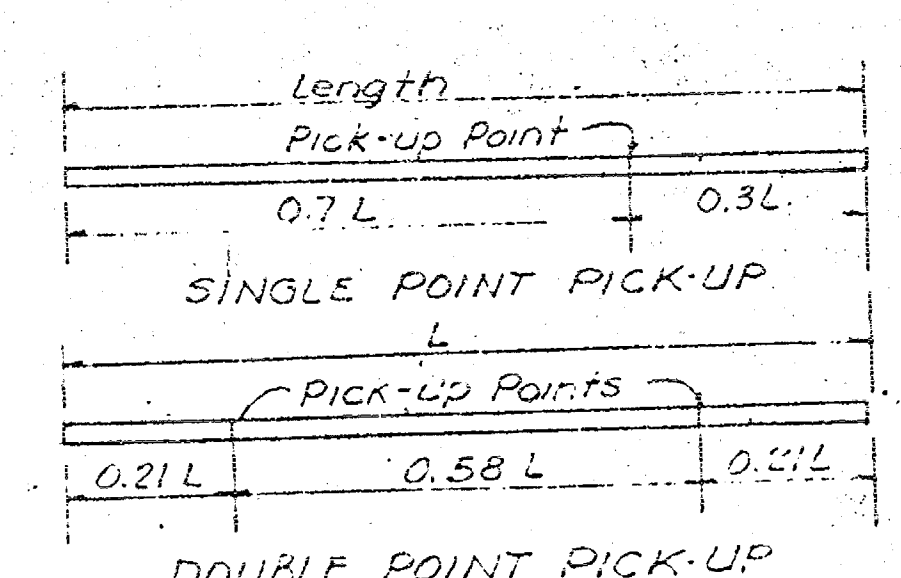


5/25/68 TAPER PILL
15 used as a 5/25 taper

CONCRETE PILES
Top and bottom 4 feet shall
be cast solid. The entire
pile may be cast solid at
the option of the Contractor.



Note: If additional driving is required, use 1" pitch as shown.



Piles shall be marked as per Pile

Points to indicate proper points to
attaching handling lines.

Max. length - 50' Single Point Pick-up.
Max. length - 75' Double Point Pick-up.

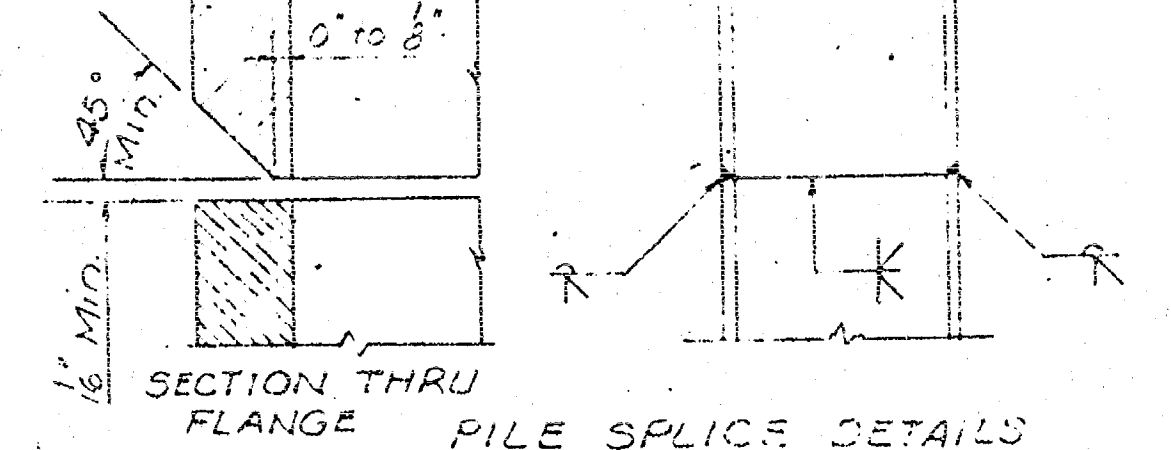
10" x 14" Piles
Max. length - 20' Single Point Pick-up.
Max. length - 35' Double Point Pick-up.

Note: All corners to be chamfered 1"

ALTERNATE POINT BEARING PILES MINIMUM SUFF					DESIGN CAPACITY BY SLIVING FORMULA
STEEL PILE	EQUIVALENT CONCRETE PILAS	PRECAST PIPE	DUCTILE PIPE	DESIGN CAPACITY PILAS	DESIGN CAPACITY PILAS
10 W 30	14	14	14	14	30 Ton
12 W 30	14	14	14	14	
14 W 30	14	14	14	14	
16 W 30	14	14	14	14	
18 W 30	14	14	14	14	
20 W 30	14	14	14	14	
22 W 30	14	14	14	14	
24 W 30	14	14	14	14	
26 W 30	14	14	14	14	
28 W 30	14	14	14	14	
30 W 30	14	14	14	14	
32 W 30	14	14	14	14	
34 W 30	14	14	14	14	
36 W 30	14	14	14	14	
38 W 30	14	14	14	14	
40 W 30	14	14	14	14	
42 W 30	14	14	14	14	
44 W 30	14	14	14	14	
46 W 30	14	14	14	14	
48 W 30	14	14	14	14	
50 W 30	14	14	14	14	
52 W 30	14	14	14	14	
54 W 30	14	14	14	14	
56 W 30	14	14	14	14	
58 W 30	14	14	14	14	
60 W 30	14	14	14	14	
62 W 30	14	14	14	14	
64 W 30	14	14	14	14	
66 W 30	14	14	14	14	
68 W 30	14	14	14	14	
70 W 30	14	14	14	14	
72 W 30	14	14	14	14	
74 W 30	14	14	14	14	
76 W 30	14	14	14	14	
78 W 30	14	14	14	14	
80 W 30	14	14	14	14	
82 W 30	14	14	14	14	
84 W 30	14	14	14	14	
86 W 30	14	14	14	14	
88 W 30	14	14	14	14	
90 W 30	14	14	14	14	
92 W 30	14	14	14	14	
94 W 30	14	14	14	14	
96 W 30	14	14	14	14	
98 W 30	14	14	14	14	
100 W 30	14	14	14	14	

Note: See pile lengths required on

Construction Layout Shit. #4



FLANGE PILE SPLICE DETAILS

Splices
Splice details for cast-in-place or prestressed concrete
ties shall be made in accordance with the manufacturers
recommendations, subject to the approval of the Engineer.
Splice details for steel ties shall be in accordance with the
details shown on this sheet.

Driving Formula
Piles shall be driven to the minimum bearing value as specified on the Construction Layout as determined by the driving formulas stipulated in the Specifications.

Notarized mill test reports, in triplicate, shall be furnished by the Contractor for all steel pile and cast-in-place pile shells.

Payment for all piles will be made as set forth in the specifications.

5. Test Piles
Test piles shall be driven where called for on the Bridge plans. All test piles shall be located so that they will become part of the Bridge pile system.

1							
2							
3							
4							
NO.	DATE	EXPIRATION			BY	APPRO.	

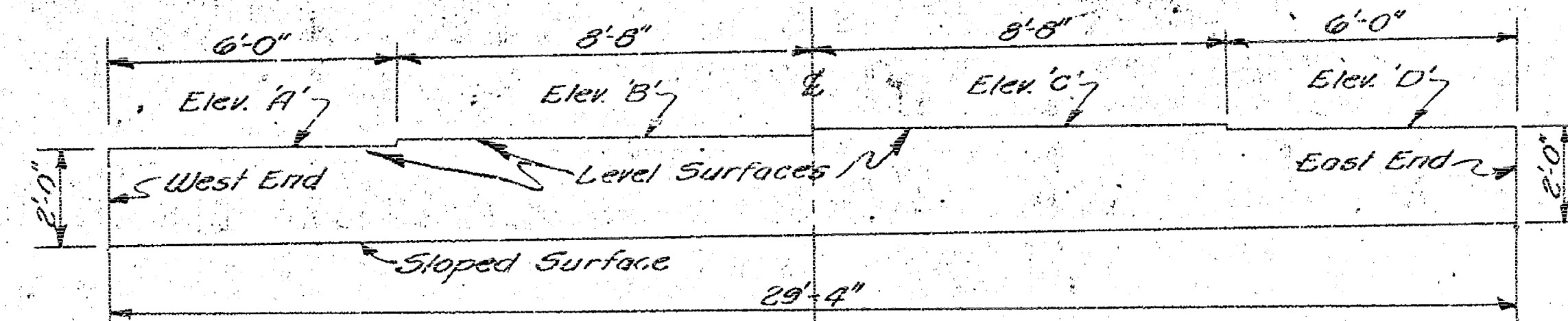
STATE HIGHWAY COMMISSION OF KANSAS

STANDARD FILE DETAILS
 BRIDGE NO 823-X-1870

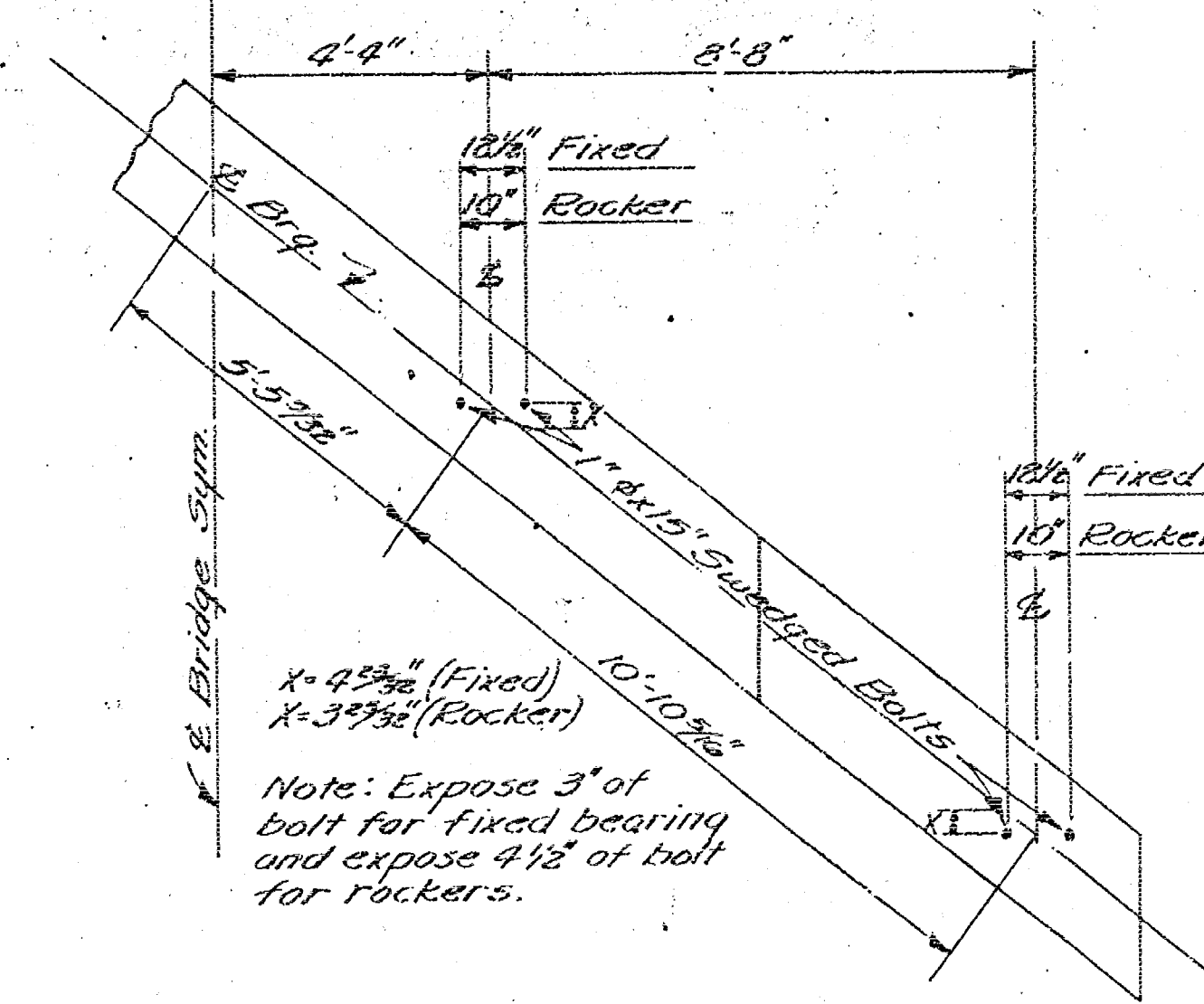
SHEET NO.	OF	SCALE	APP'D	TRACED
DESIGNED	DETAILS		QUANTITIES	TRACED
DESIGN CO.	DETAIL CK.		DRAW. CL.	TRACED CL.

ABUTMENT & PIER ELEVATIONS

ABUTMENT OR PIER No.	WEST ELEV. A'	ELEV. B'	ELEV. C'	EAST ELEV. D'
Abut. #1 R	1264.69	1264.76	1264.67	1264.41
Pier #1 R	1265.06	1265.14	1265.06	1264.81
Pier #2 R	1265.57	1265.64	1265.59	1265.36
Pier #3 F	1266.57	1266.68	1266.62	1266.40
Pier #4 F	1266.91	1267.02	1266.98	1266.76
Pier #5 F	1267.20	1267.32	1267.28	1267.08
Pier #6 R	1266.87	1267.00	1266.96	1266.76
Pier #7 R	1267.09	1267.22	1267.19	1267.00
Pier #8 R	1267.28	1267.41	1267.39	1267.20
Pier #9 R	1267.42	1267.55	1267.54	1267.36
Pier #10 R	1267.53	1267.68	1267.66	1267.48
Pier #11 R	1267.59	1267.75	1267.74	1267.57
Pier #12 F	1268.21	1268.37	1268.36	1268.20
Pier #13 F	1268.29	1268.36	1268.37	1268.21
Pier #14 R	1267.57	1267.74	1267.75	1267.59
Pier #15 R	1267.98	1267.84	1267.68	1267.53
Pier #16 R	1267.36	1267.54	1267.56	1267.42
Pier #17 R	1267.20	1267.39	1267.41	1267.28
Pier #18 R	1267.00	1267.19	1267.22	1267.09
Pier #19 R	1266.76	1266.96	1267.00	1266.87
Pier #20 F	1267.05	1267.28	1267.32	1267.20
Pier #21 F	1266.76	1266.98	1267.02	1266.91
Pier #22 F	1266.90	1266.62	1266.63	1266.57
Pier #23 R	1265.36	1265.59	1265.64	1265.57
Pier #24 R	1264.81	1265.06	1265.14	1265.06
Abut. #2 R	1264.81	1264.67	1264.76	1264.69
R: Rockers		F: Fixed		



TYPICAL CAP ELEVATION
(Normal to Roadway)



PART PLAN OF PILE CAPS
Scale 3/8" = 1'-0"

