

STATE OF KANSAS STATE HIGHWAY COMMISSION SEDGWICK COUNTY PLAN AND PROFILE

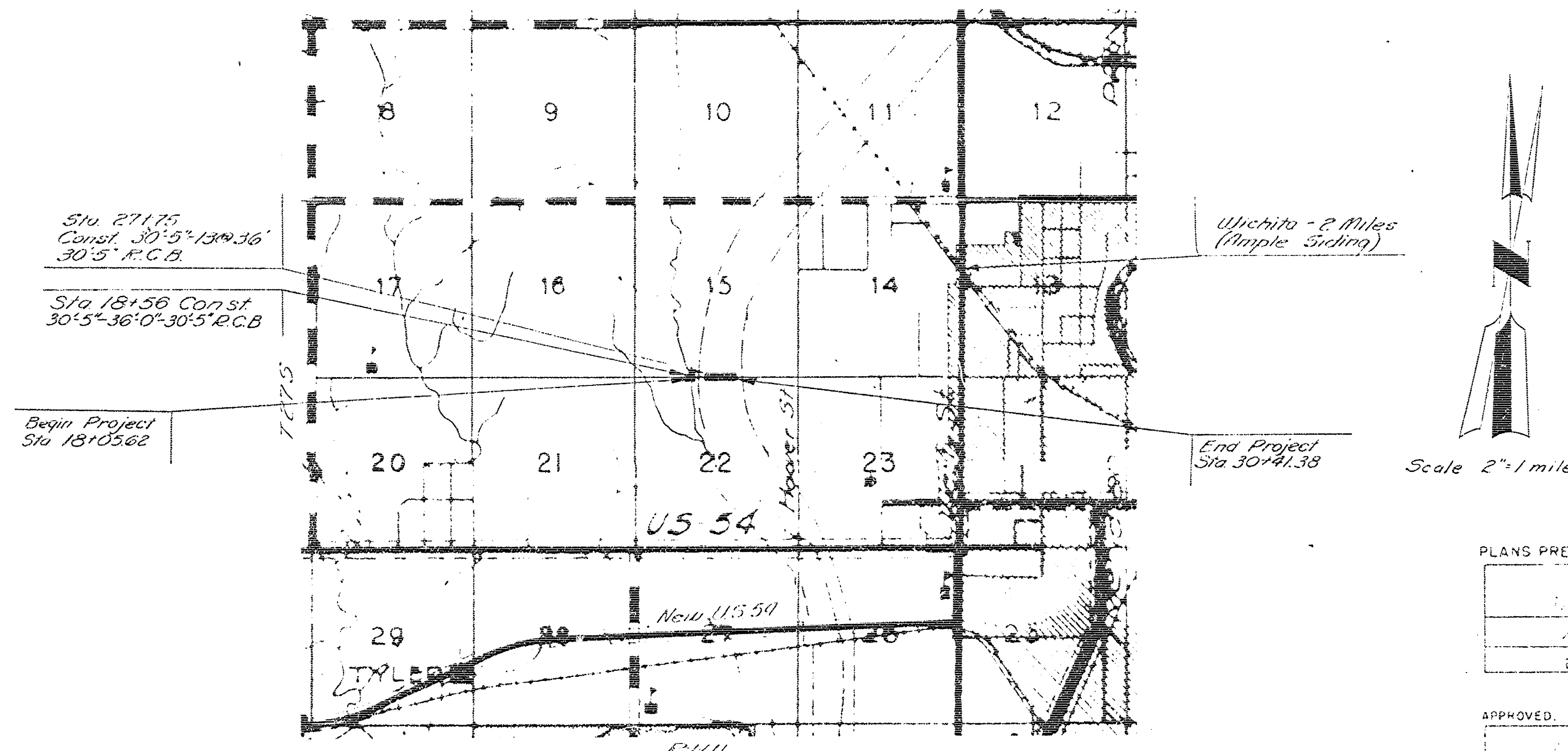
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11	Construction Layout (618-22-1856)
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SUMMARY OF QUANTITIES (COMBINED)	
Concrete Class A (AE)	79,41 CY
Reinforcing Steel	189,100 Lb
14"x14" Conc. Piling	4,070 LF
Bearing Devices	7,570 Lb
Metal Handrail	1,291.5 LF
Structural Steel	22,150 Lb

CONVENTIONAL SIGNS

COUNTY LINE	----
SECTION LINE	----
WIRE FENCE	-----X-----
HEDGE ROW	~~~~~
RAILROAD	=====
SURVEY LINE	-----
RIGHT OF WAY	=====
TELEPHONE	◆-----
POWER POLE	▲-----
TRAVELED WAY	=====
CITY LIMITS	=====
TOWNSHIP BOUNDARY	=====



BRIDGES ONLY

PLANS PREPARED BY:

_____ COUNTY ENGINEER
DATE: 11-30-1953

APPROVED:

_____ COUNTY COMMISSIONER
DATE: 11-30-1953

RECOMMENDED FOR APPROVAL DATE

_____ ENGINEER OF SECONDARY ROADS STATE HIGHWAY COMMISSION OF KANSAS
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APPROVED DATE

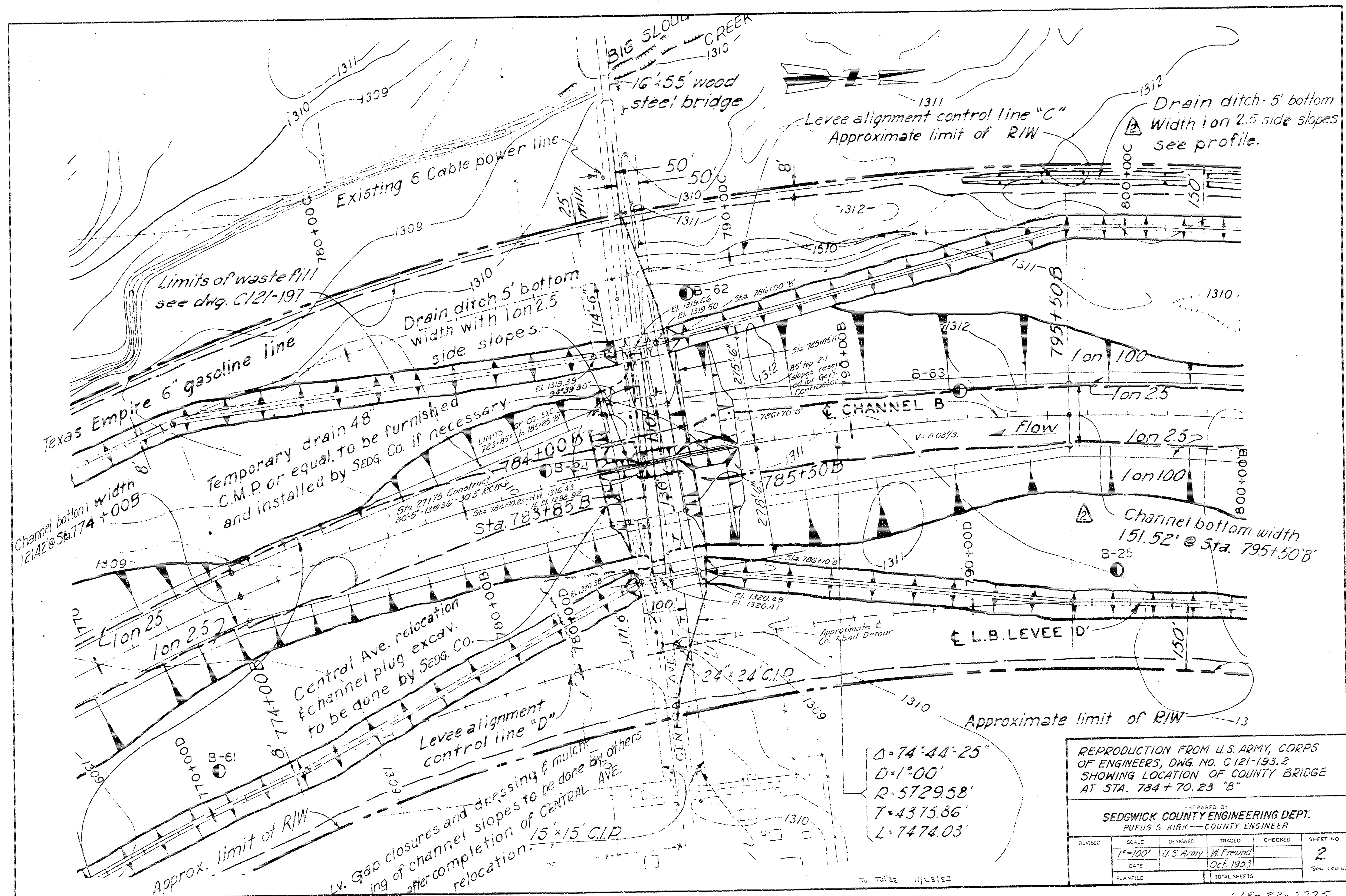
_____ STATE HIGHWAY ENGINEER STATE HIGHWAY COMMISSION OF KANSAS

RECOMMENDED FOR APPROVAL DATE

_____ DISTRICT ENGINEER PUBLIC ROADS ADMINISTRATION FEDERAL WORKS AGENCY

APPROVED DATE

_____ DIVISION ENGINEER PUBLIC ROADS ADMINISTRATION FEDERAL WORKS AGENCY

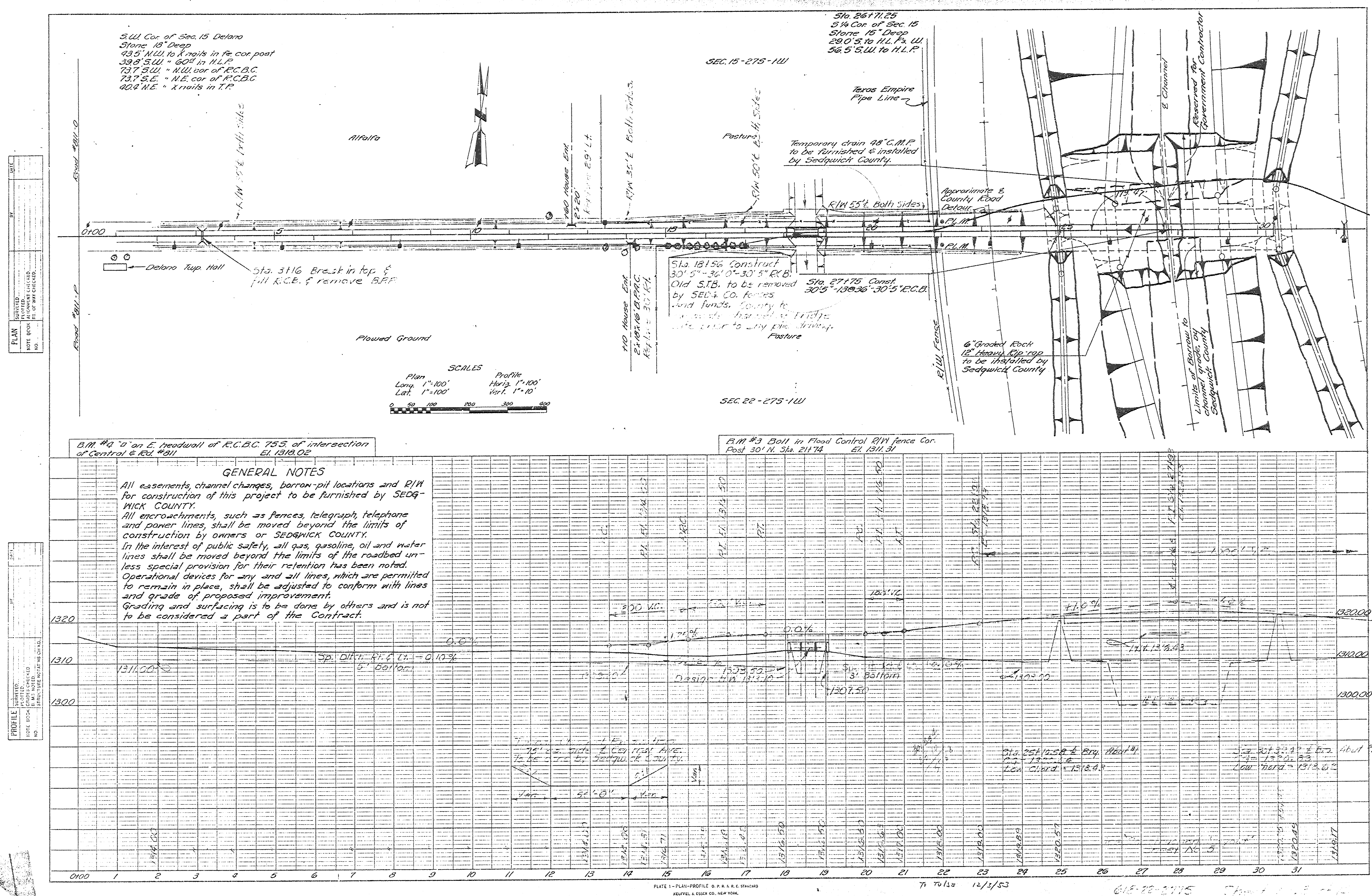


REPRODUCTION FROM U.S. ARMY, CORPS
OF ENGINEERS, DWG. NO. C 121-193.2
SHOWING LOCATION OF COUNTY BRIDGE
AT STA. 784 + 70.23 "B"

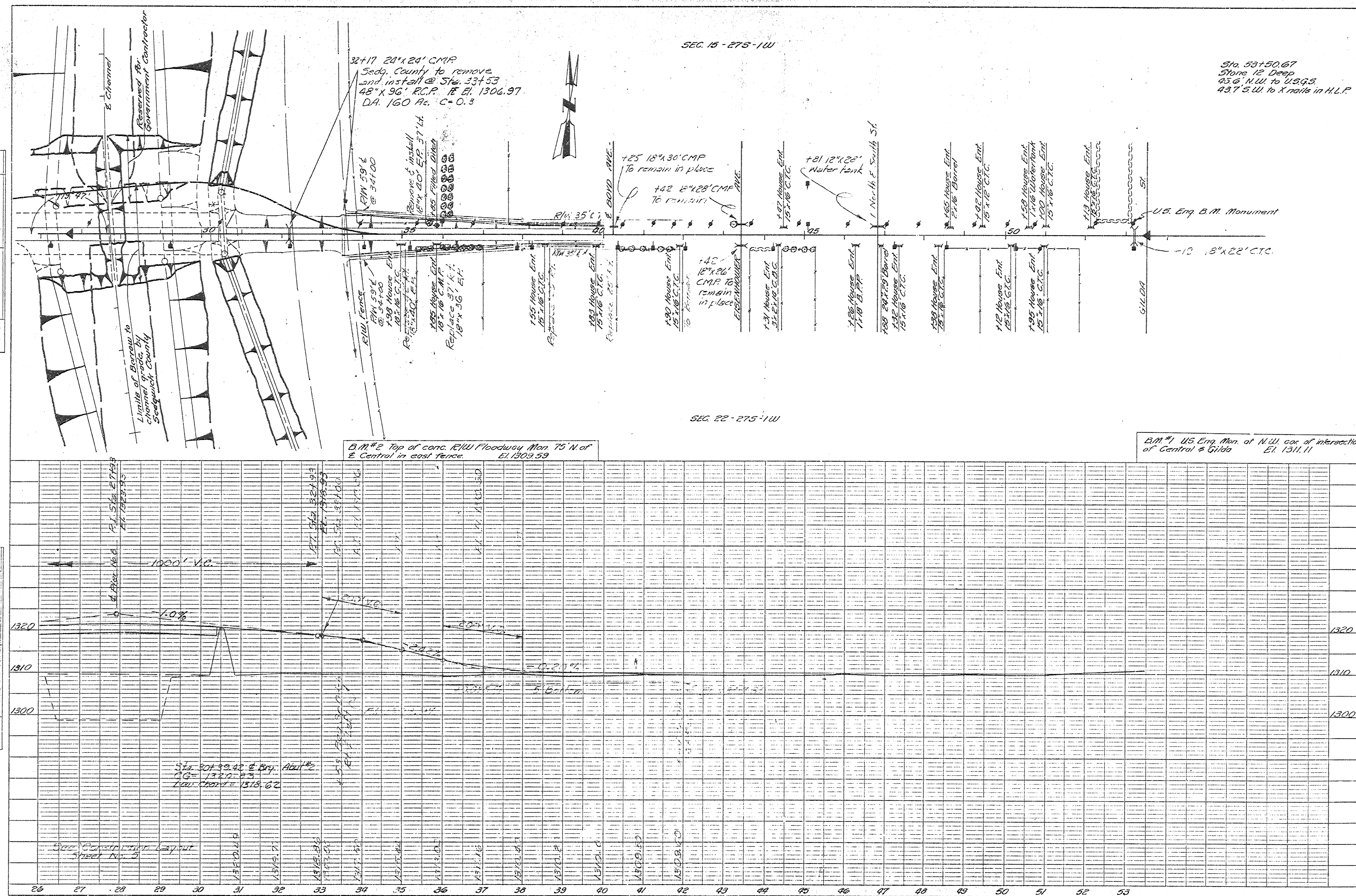
PREPARED BY
SEDGWICK COUNTY ENGINEERING DEPT.
RUFUS S. KIRK—COUNTY ENGINEER

REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
	1"=100'	U.S. Army	W. Freund		2
	DATE	Oct. 1953			See ref.
	PLANFILE		TOTAL SHEETS		

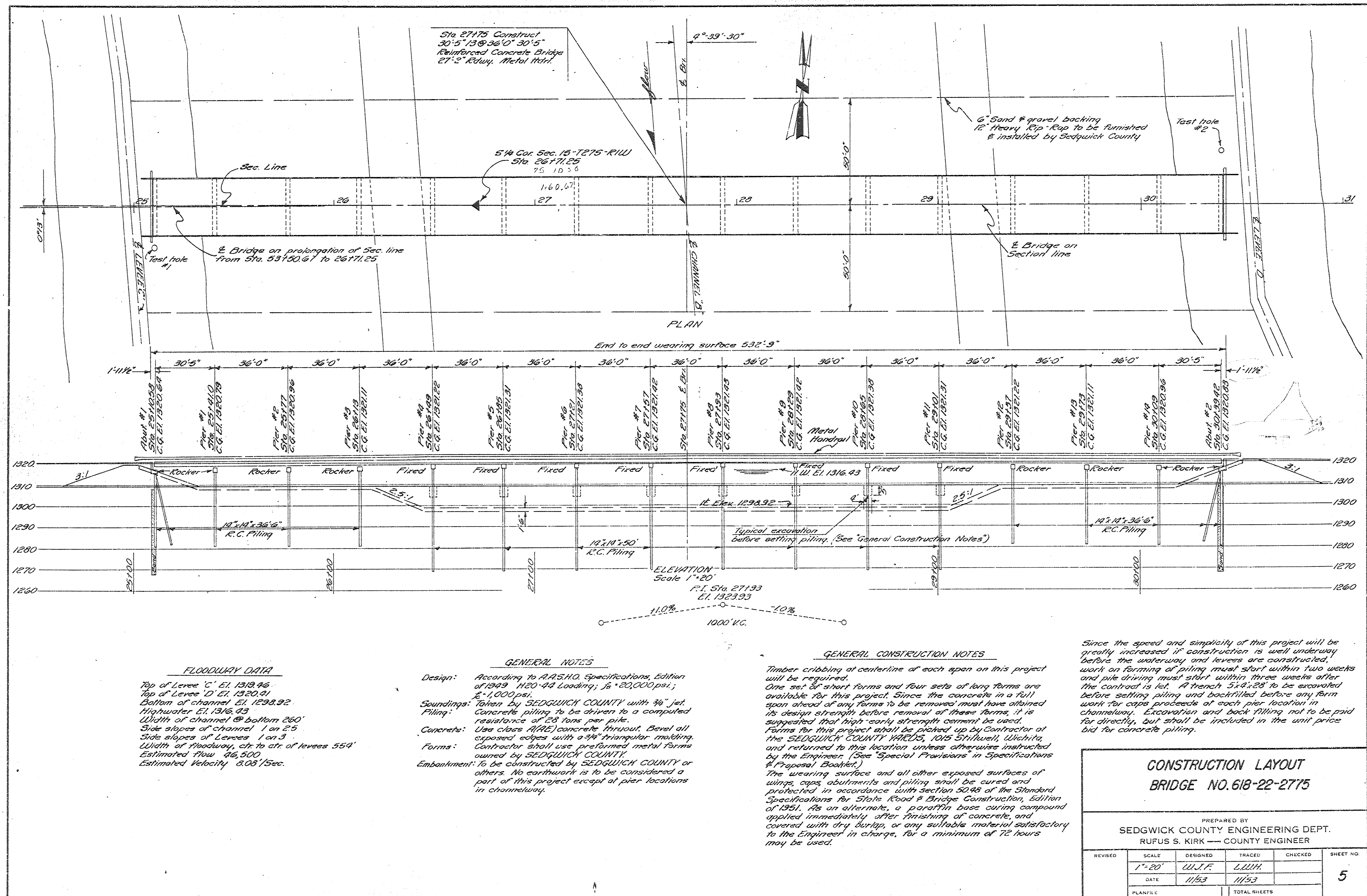
1618-22-2775



PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
E. M. NOTED	GRIDES CHECKED		
NO.	STRUCTURE NOTED NS CH KD		

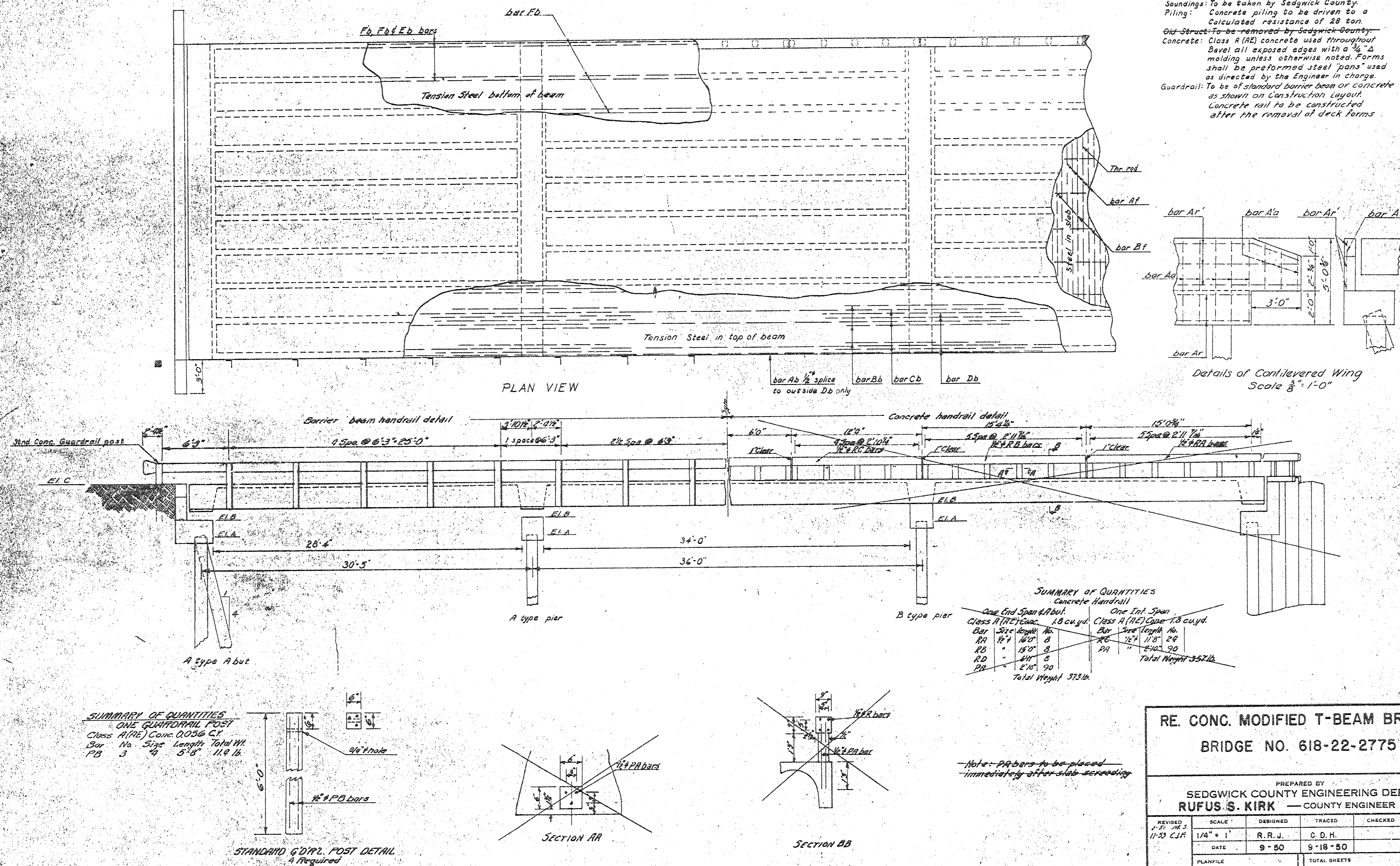


618-22-2775 Street No. 4



GENERAL NOTES

Design: Designed for H-20-44 loading, AASHTO specifications, $f'_c = 20,000$ psi, $f_y = 100,000$ psi.
 Soundings: To be taken by Sedgwick County.
 Piling: Concrete piling to be driven to a calculated resistance of 28 ton.
 Old Structure: To be removed by Sedgwick County.
 Concrete: Class A (AE) concrete used throughout.
 Bevel all exposed edges with a $\frac{3}{4}$ " bevel unless otherwise noted. Forms shall be preformed steel pans used as directed by the Engineer in charge.
 Guardrail: To be of standard barrier beam or concrete as shown on Construction layout. Concrete rail to be constructed after the removal of deck forms.



RE. CONC. MODIFIED T-BEAM BRIDGE BRIDGE NO. 618-22-2775

PREPARED BY					SHEET
SEDGWICK COUNTY ENGINEERING DEPT.					
RUFUS S. KIRK — COUNTY ENGINEER					7
REVISION 1-5-54 11-53 C.L.F.	SCALE	DESIGNED	TRACED	CHECKED	
	1/4" = 1'	R.R.J.	C.D.H.		
	DATE	9-50	9-18-50		
	PLANFILE	TOTAL SHEETS			

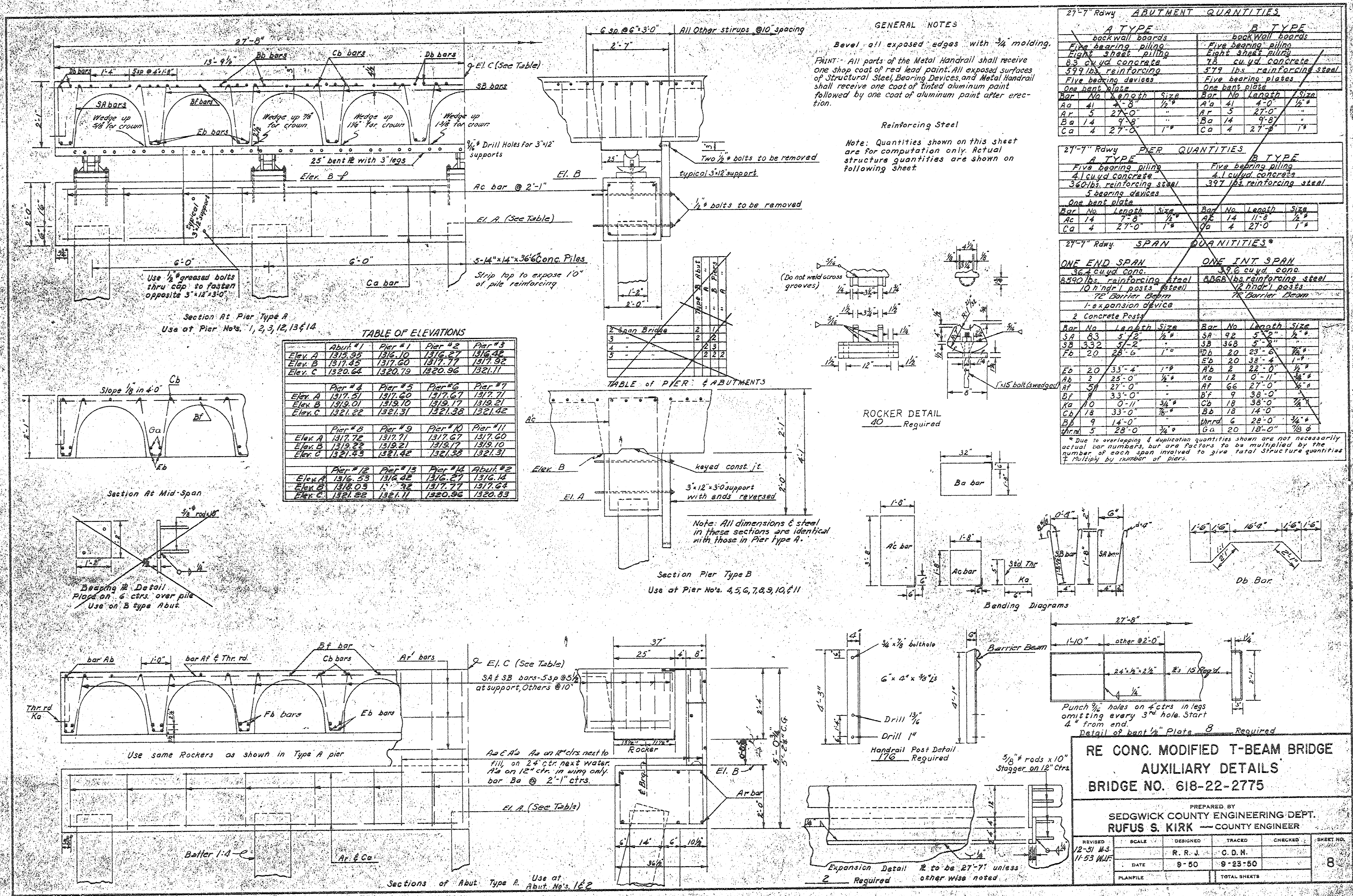


TABLE OF ELEVATIONS

Abut. #1	Pier #1	Pier #2	Pier #3
Elev. A 1317.35	1318.10	1316.27	1316.45
Elev. B 1317.45	1317.60	1317.77	1317.92
Elev. C 1320.64	1320.79	1320.96	1321.11

Pier #4	Pier #5	Pier #6	Pier #7
Elev. A 1317.51	1317.60	1317.67	1317.71
Elev. B 1319.01	1319.10	1319.17	1319.21
Elev. C 1321.22	1321.31	1321.38	1321.42

Pier #8	Pier #9	Pier #10	Pier #11
Elev. A 1317.72	1317.71	1317.67	1317.60
Elev. B 1319.22	1319.21	1319.17	1319.10
Elev. C 1321.43	1321.42	1321.38	1321.31

Pier #12	Pier #13	Abut. #2
Elev. A 1316.53	1316.42	1316.27
Elev. B 1318.03	1317.92	1317.77
Elev. C 1321.24	1321.11	1320.96

27'-7" ROWY ABUTMENT QUANTITIES

A TYPE				B TYPE			
Back Wall Boords				Back Wall Boords			
Five bearing piling				Five bearing piling			
Eight sheet piling				Eight sheet piling			
8.3 cu yd concrete				7.8 cu yd concrete			
399 lbs reinforcing steel				379 lbs reinforcing steel			
Five bearing devices				Five bearing plates			
One bent plate				One bent plate			
Bar No	Length	Size		Bar No	Length	Size	
Aa	41	8"	1/2"	A'a	41	4'-0"	1/2"
Ar	5	27'-0"		Ar	5	27'-0"	
Ba	14	9'-0"		B'a	14	9'-0"	
Ca	4	27'-0"	1"	Ca	4	27'-0"	1"

27'-7" ROWY PIER QUANTITIES

A TYPE				B TYPE			
Five bearing piling				Five bearing piling			
4.1 cu yd concrete				4.1 cu yd concrete			
360 lbs reinforcing steel				397 lbs reinforcing steel			
Five bearing devices				Five bearing plates			
One bent plate				One bent plate			
Bar No	Length	Size		Bar No	Length	Size	
Aa	14	7'-8"	1/2"	A'a	14	11'-0"	1/2"
Ca	4	27'-0"	1"	Ca	4	27'-0"	1"

27'-7" ROWY SPAN QUANTITIES

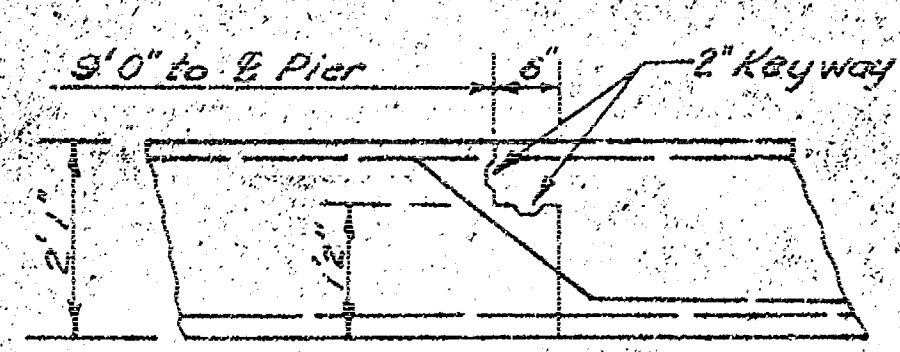
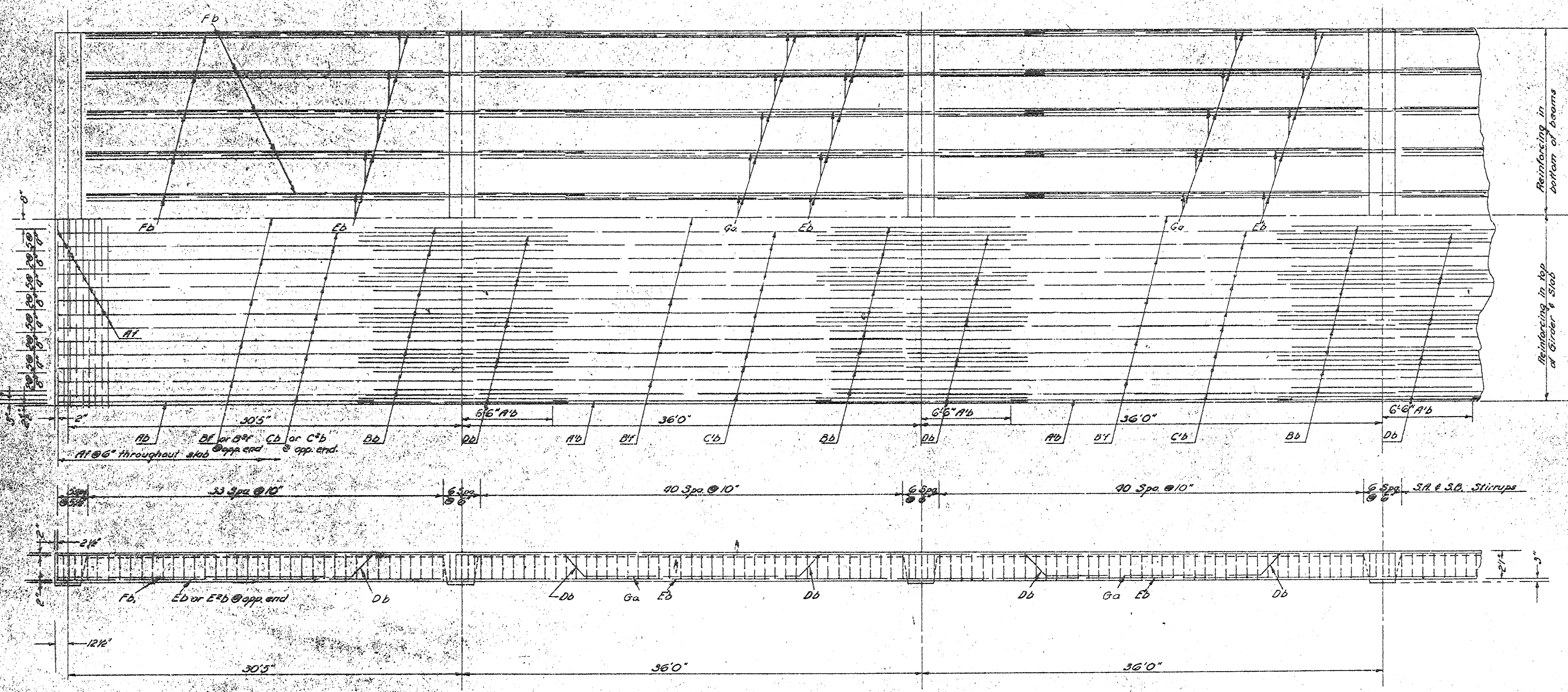
ONE END SPAN				ONE INT SPAN			
36.4 cu yd conc.				30.6 cu yd conc.			
4590 lbs reinforcing steel				4368 lbs reinforcing steel			
10 1/2" x 1" posts steel				12 1/2" x 1" posts steel			
1 expansion device				1 expansion device			
2 concrete posts				2 concrete posts			
Bar No	Length	Size		Bar No	Length	Size	
SA	63	5'-12"	1/2"	SA	92	5'-0"	1/2"
SB	332	5'-2"		SB	368	5'-0"	
FC	20	28'-6"	1"	FC	20	28'-6"	1"
FB	20	35'-4"	1"	FB	20	38'-4"	1"
KA	5	27'-0"	1/2"	KA	2	22'-0"	1/2"
BF	8	33'-0"		BF	9	38'-0"	
KA	10	0'-11"	3/8"	CB	18	38'-0"	1/2"
CB	18	33'-0"	1/2"	BB	18	14'-0"	
BB	9	14'-0"		UB	6	28'-0"	1/2"
UB	5	23'-0"	1/2"	BA	20	18'-0"	1/2"

* Due to overlapping & duplication quantities shown are not necessarily actual bar numbers, but are factors to be multiplied by the number of each span involved to give total structure quantities & multiply by number of piers.

RE CONC. MODIFIED T-BEAM BRIDGE
AUXILIARY DETAILS
BRIDGE NO. 618-22-2775

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

REVISION	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
1/2-5/11-53		R. R. J.	C. D. H.		8
DATE	9-50	9-23-50			
PLANFILE				TOTAL SHEETS	



TYPICAL CONSTRUCTION JOINT

SUMMARY OF QUANTITIES

30'5" - 13 @ 36' - 30'5" Continuous Spans; 27'0" Roadway; Metal Handrail	
Bar	No. 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
No.	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
Size	#2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 #13 #14 #15 #16 #17 #18 #19 #20 #21 #22 #23 #24 #25 #26 #27 #28 #29 #30 #31 #32 #33 #34 #35 #36 #37 #38 #39 #40 #41 #42 #43 #44 #45 #46 #47 #48 #49 #50 #51 #52 #53 #54 #55 #56 #57 #58 #59 #60 #61 #62 #63 #64 #65 #66 #67 #68 #69 #70 #71 #72 #73 #74 #75 #76 #77 #78 #79 #80 #81 #82 #83 #84 #85 #86 #87 #88 #89 #90 #91 #92 #93 #94 #95 #96 #97 #98 #99 #100
Length	10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31' 32' 33' 34' 35' 36' 37' 38' 39' 40' 41' 42' 43' 44' 45' 46' 47' 48' 49' 50' 51' 52' 53' 54' 55' 56' 57' 58' 59' 60' 61' 62' 63' 64' 65' 66' 67' 68' 69' 70' 71' 72' 73' 74' 75' 76' 77' 78' 79' 80' 81' 82' 83' 84' 85' 86' 87' 88' 89' 90' 91' 92' 93' 94' 95' 96' 97' 98' 99' 100'
Concrete Class A	6575 Cu Yd
Reinforcing Steel	141510 Lb
10"x14" Conc. Piles	3960 Lin. Ft.
Bearing Devices	7200 Lb.
Metal Handrail	1079 Lin. Ft.
Structural Steel	15690 Lb.
	4 " 2'5"
	4 " 2'5"

REINFORCING DETAIL
BRIDGE NO. 618-22-2775

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

REVISED
11/18/53

SCALE
1/8" = 1'0"

DESIGNED
M.E.S.

DATE

PLANFILE

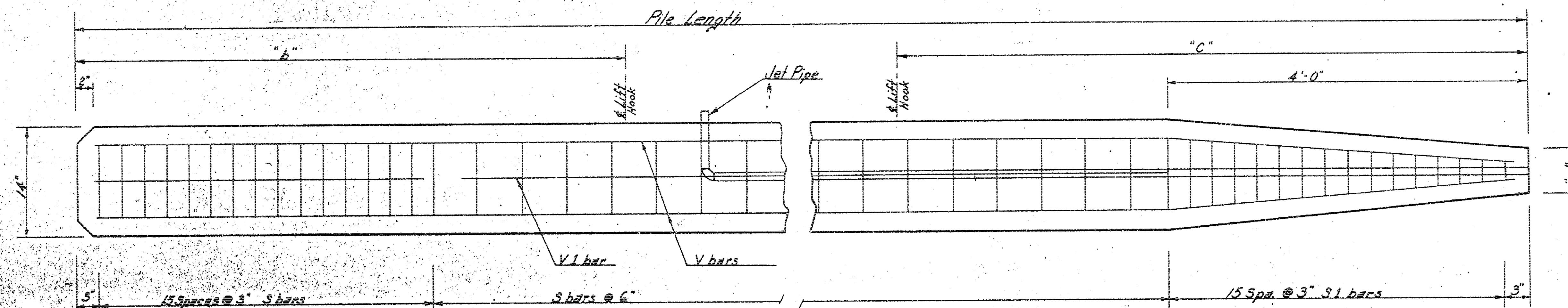
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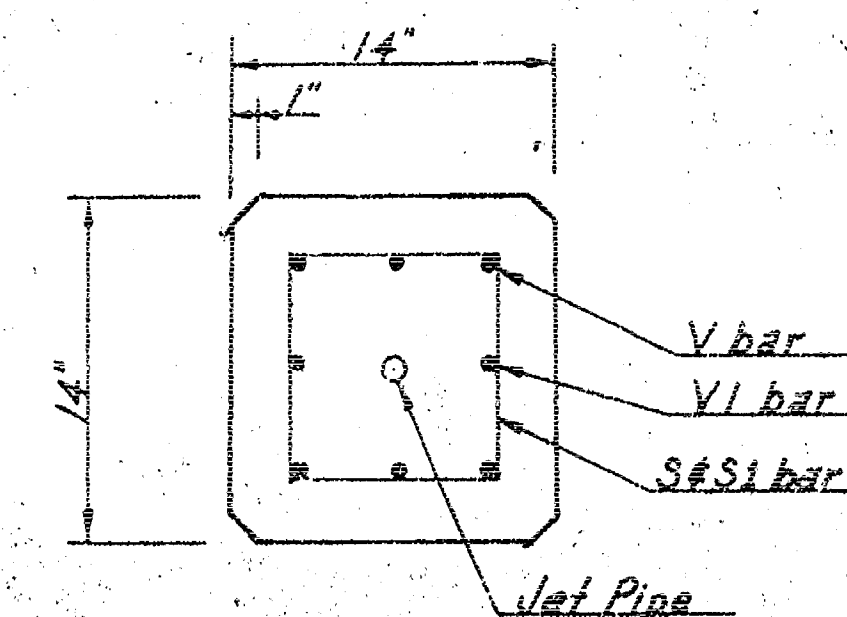
TOTAL SHEETS

SHEET NO.
9

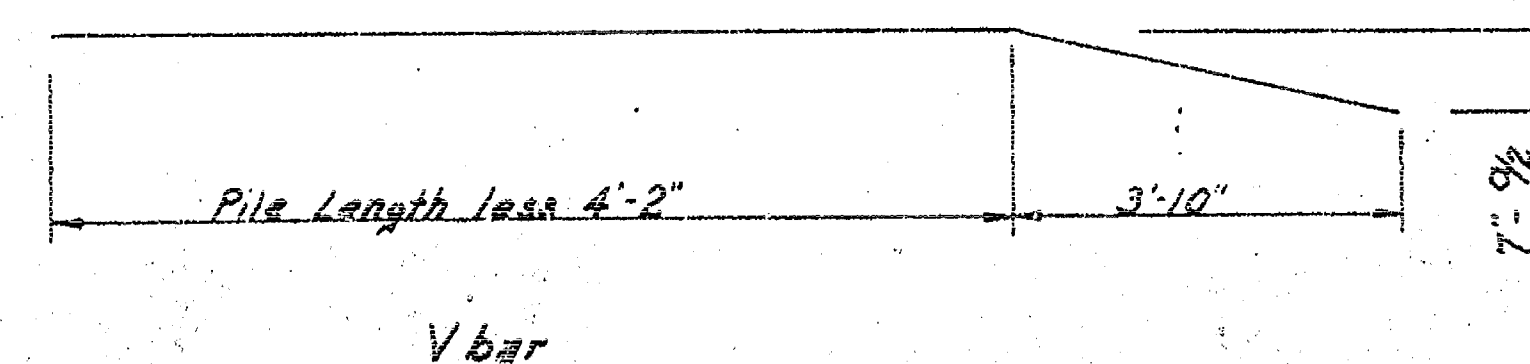
Pub. Rd. Dist. No.	State	Project No.	Fiscal Year	Sheet No.	Total Sheets
5	Kansas		1951		



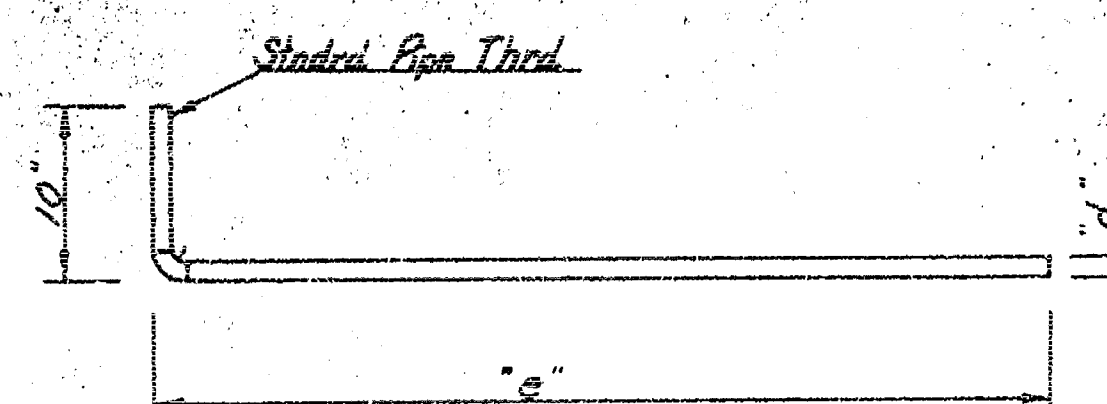
ELEVATION.



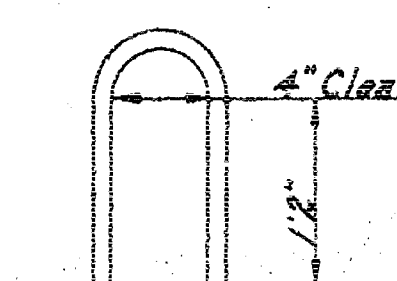
END VIEW



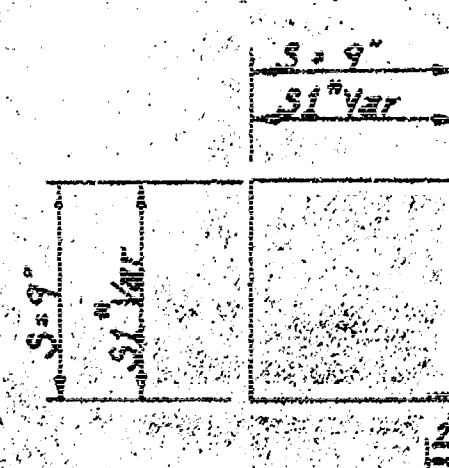
V bar



10" Dia. Jet Pipe



#8 Lift Hook



S#S1 bar

*S1- 15 bars; increase from "x" to "y" by "z" increments

General Notes
Design: According to ARSMD Specifications, 1949 Edition. $f_c = 12,000 \text{ psi}$ to $1,000 \text{ psi}$.
Concrete: Use class A throughout if piling are to be encased or otherwise protected. Use class B (B/E) 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 18" of hook location.

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

Pile Length	20'-6"	24'-6"	28'-6"	32'-6"	36'-6"	40'-6"
Bar	Size	Length	No.	Size	Length	No.
V	#7	20'-6"	4	#7	24'-6"	4
V1	#2	3'-4"	41	#2	3'-4"	49
S	#2	3'-4"	74	#2	3'-4"	100
S1	#2	3'-4"	15	#2	3'-4"	15
Lift Hook	#8	3'-0"	2	#8	3'-0"	2
Jet Pipe						
"a"	6"	6"	6"	6"	6"	6"
"b"	6'-0"	7'-2"	8'-4"	9'-6"	10'-8"	11'-10"
"c"	8'-0"	9'-2"	10'-4"	11'-6"	12'-8"	13'-10"
"d"						
"e"						
"f"						
"g"						
"h"						
"i"						
"j"						
Concrete	94 Cu. Yds.	114 Cu. Yds.	134 Cu. Yds.	154 Cu. Yds.	174 Cu. Yds.	194 Cu. Yds.
Rebar	209 Lbs.	247 Lbs.	284 Lbs.	321 Lbs.	358 Lbs.	395 Lbs.

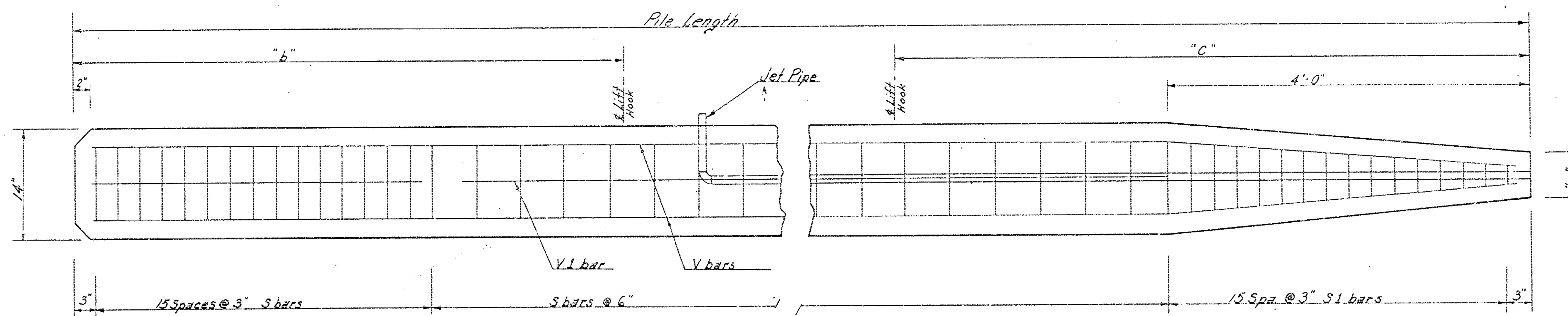
40 req'd			
Pile Length	37'-0"	50'-0"	
Bar	Size	Length	No.
V	#6	36'-8"	4
V1	#6	33'-0"	4
S	#2	3'-4"	74
S1	#2	Var	15
Lift Hook	#8	3'-0"	2
Jet Pipe			1
"a"	10"	6"	
"b"	10'-10"	14'-0"	
"c"	11'-10"	16'-0"	
"d"	11'-10"	16'	
"e"	11'-10"	41'-0"	
"f"	11'-10"	41'-0"	
"g"	11'-10"	41'-0"	
"h"	11'-10"	41'-0"	
"i"	11'-10"	41'-0"	
"j"	11'-10"	41'-0"	
Concrete	182 Cu Yds	243 Cu Yds	
Rebar	482 Lbs	956 Lbs	

14"x14" Re. Conc. Piling
BRIDGE NO. 618-22-2775

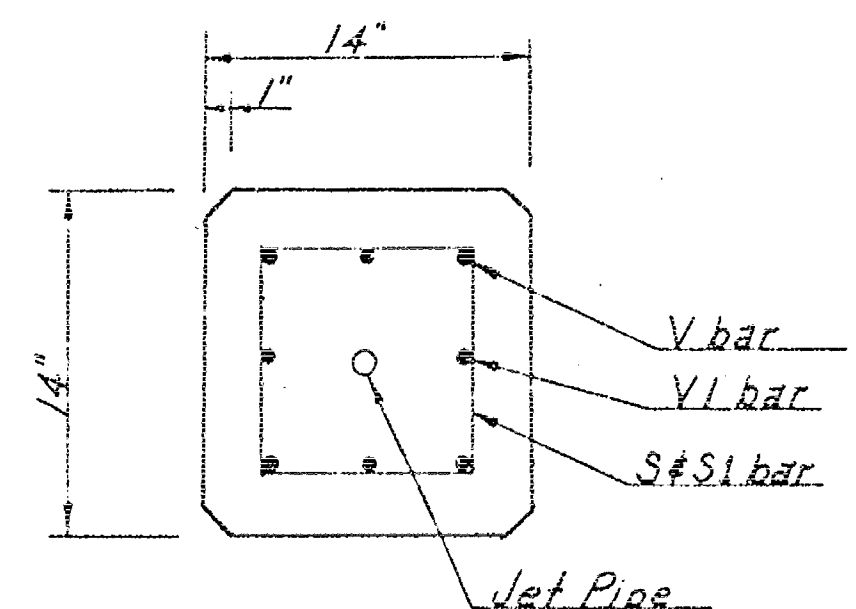
PREPARED BY
SEDGWICK COUNTY ENGINEERING DEPT.
RUFUS S. KIRK — COUNTY ENGINEER

REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
		Schwab	Housman		10
		DATE	12-51	1-52	
		PLANFILE		TOTAL SHEETS	

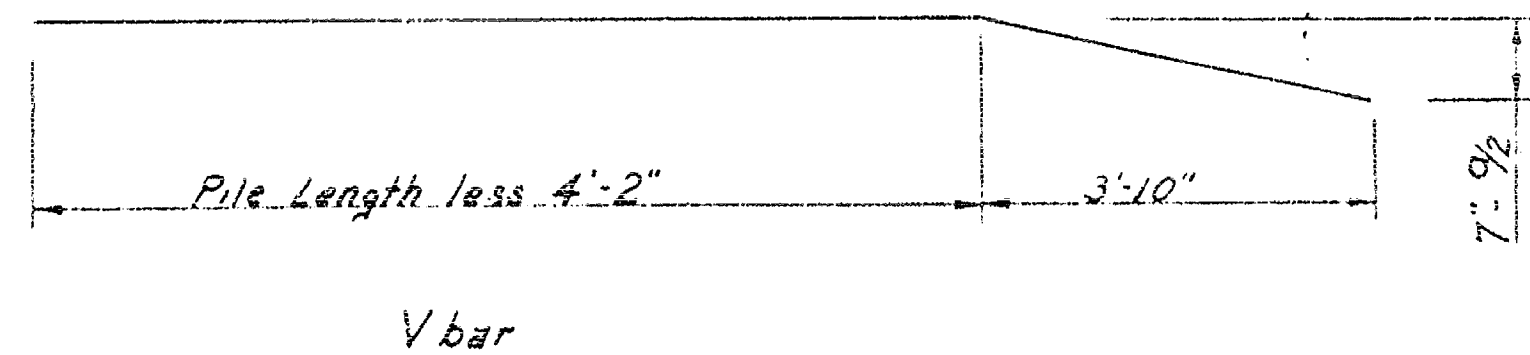
Pub. Rd. Div. No.	State	Project No.	Fiscal Year	Sheet No.	Total Sheets
5	Kansas		1951		



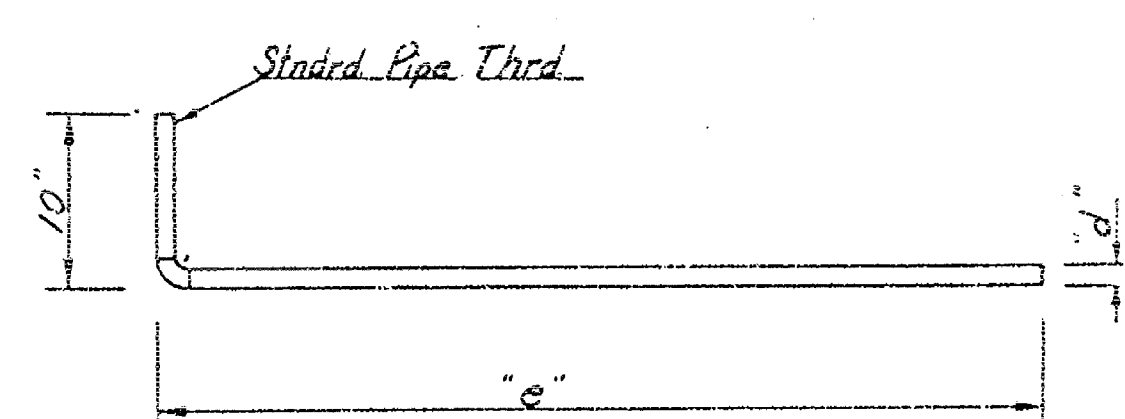
ELEVATION



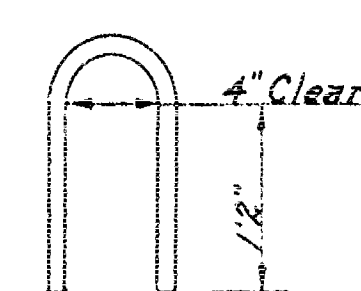
END VIEW



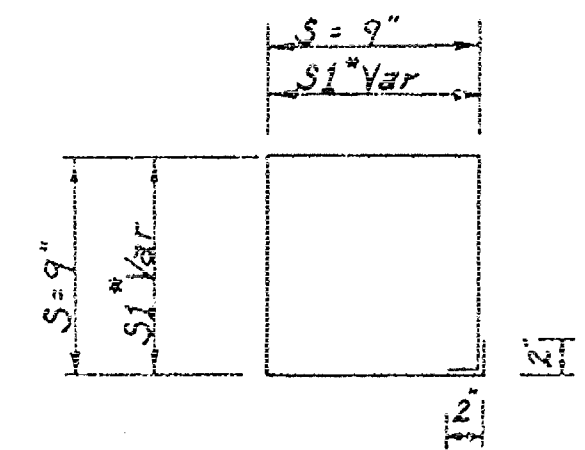
V bar



d" Dia. Jet Pipe



#8 Lift Hook



S#S1 bar

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

General Notes
 Design: According to ARSHO Specifications, 1949 Edition 15-12,000 psi, Fe-1,000 psi.
 Concrete: Use class A throughout if piling are to be encased or otherwise protected. Use class B (AE) 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 obtained 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 stated elsewhere on plans. The length for payment of piles shall be as stated in sect 59.40 of the Standard Specifications of Kansas, 1951 Edition.

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	#7 36'-6" 4	#7 40'-6" 4
VL	#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	6"	6"	6"	6"	6"	6"
a	6'-0"	7'-2"	8'-4"	9'-6"	10'-8"	11'-10"
b	8'-0"	9'-2"	10'-4"	11'-6"	12'-8"	13'-10"
c	10'-0"	11'-2"	12'-4"	13'-6"	14'-8"	15'-10"
d	12'-0"	13'-2"	14'-4"	15'-6"	16'-8"	17'-10"
e	14'-0"	15'-2"	16'-4"	17'-6"	18'-8"	19'-10"
f	16'-0"	17'-2"	18'-4"	19'-6"	20'-8"	21'-10"
g	18'-0"	19'-2"	20'-4"	21'-6"	22'-8"	23'-10"
h	20'-0"	21'-2"	22'-4"	23'-6"	24'-8"	25'-10"
i	22'-0"	23'-2"	24'-4"	25'-6"	26'-8"	27'-10"
j	24'-0"	25'-2"	26'-4"	27'-6"	28'-8"	29'-10"
k	26'-0"	27'-2"	28'-4"	29'-6"	30'-8"	31'-10"
l	28'-0"	29'-2"	30'-4"	31'-6"	32'-8"	33'-10"
m	30'-0"	31'-2"	32'-4"	33'-6"	34'-8"	35'-10"
n	32'-0"	33'-2"	34'-4"	35'-6"	36'-8"	37'-10"
o	34'-0"	35'-2"	36'-4"	37'-6"	38'-8"	39'-10"
p	36'-0"	37'-2"	38'-4"	39'-6"	40'-8"	41'-10"
q	38'-0"	39'-2"	40'-4"	41'-6"	42'-8"	43'-10"
r	40'-0"	41'-2"	42'-4"	43'-6"	44'-8"	45'-10"
s	42'-0"	43'-2"	44'-4"	45'-6"	46'-8"	47'-10"
t	44'-0"	45'-2"	46'-4"	47'-6"	48'-8"	49'-10"
u	46'-0"	47'-2"	48'-4"	49'-6"	50'-8"	51'-10"
v	48'-0"	49'-2"	50'-4"	51'-6"	52'-8"	53'-10"
w	50'-0"	51'-2"	52'-4"	53'-6"	54'-8"	55'-10"
x	52'-0"	53'-2"	54'-4"	55'-6"	56'-8"	57'-10"
y	54'-0"	55'-2"	56'-4"	57'-6"	58'-8"	59'-10"
z	56'-0"	57'-2"	58'-4"	59'-6"	60'-8"	61'-10"
Concrete	1.74 Cu. Yds.	1.14 Cu. Yds.	1.34 Cu. Yds.	1.53 Cu. Yds.	1.75 Cu. Yds.	1.95 Cu. Yds.
Rebar	207 Lbs.	247 Lbs.	284 Lbs.	321 Lbs.	358 Lbs.	394 Lbs.

Pile Length	37'-0"	50'-0"
Bar	Size Length No.	Size Length No.
V	#6 36'-8" 4	#7 48'-8" 4
VL	#6 33'-0" 4	#8 45'-0" 4
S	#2 3'-4" 74	#2 3'-4" 100
S1	#2 Var 15	#2 Var 15
Lift Hook	#8 3'-0" 2	#8 3'-0" 2
Jet Pipe	6"	6"
a	10'	13'-0"
b	10'-10"	13'-0"
c	11'-11"	16'-0"
d	11'-11"	16'-0"
e	11'-11"	16'-0"
f	11'-11"	16'-0"
g	11'-11"	16'-0"
h	11'-11"	16'-0"
i	11'-11"	16'-0"
j	11'-11"	16'-0"
k	11'-11"	16'-0"
l	11'-11"	16'-0"
m	11'-11"	16'-0"
n	11'-11"	16'-0"
o	11'-11"	16'-0"
p	11'-11"	16'-0"
q	11'-11"	16'-0"
r	11'-11"	16'-0"
s	11'-11"	16'-0"
t	11'-11"	16'-0"
u	11'-11"	16'-0"
v	11'-11"	16'-0"
w	11'-11"	16'-0"
x	11'-11"	16'-0"
y	11'-11"	16'-0"
z	11'-11"	16'-0"
Concrete	1.82 Cu. Yds.	2.43 Cu. Yds.
Rebar	482 Lbs.	936 Lbs.

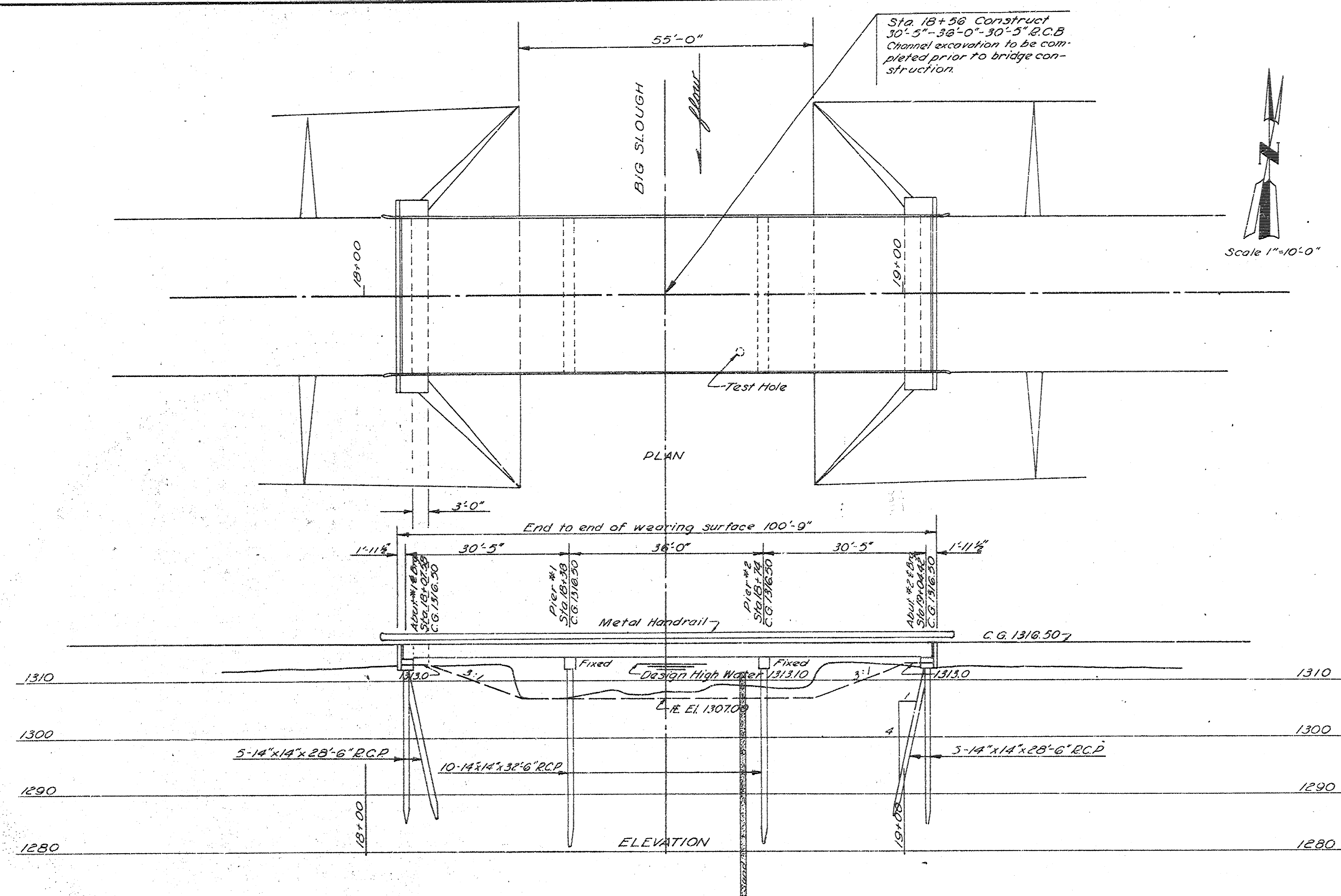
14"x14"x Re. Conc. Piling
 BRIDGE NO. 618-22-2775
 & 618-22-1856

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

REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
		Schwab	Hauszerman		10
		DATE 12-51	1-52		
		PLANFILE	TOTAL SHEETS		

TO 70149 12/5/52

618-22-2775 #12-51



GENERAL NOTES

Design: According to AASHTO Specifications, Edition of 1949, 1120-44. Loading: 15,000 psi, 16,000 psi.
Soundings Taken by Sedgwick County with 1/4" jet.
Piling: Concrete Piling to be driven to a computed resistance of 25 tons per pile.
Concrete: Use Class AA concrete thruout. Bevel all exposed edges with a 1/4" triangular moulding.
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 except at pier and abutment locations-the cost of which is to be included in the unit price bid for piling.

GENERAL CONSTRUCTION NOTES

Timber cribbing at the centerline of each span on this project will be required.
Two sets of short forms and four sets of long forms are available for these projects. Since the concrete in full span ahead of any forms to be removed must have attained its design strength before removal of these forms it is suggested that high-early strength concrete be used.
Forms for this project shall be picked up by the contractor at the SEDGWICK COUNTY YARDS, R15 Stillwell, Wichita, and returned to this location unless otherwise instructed by the Engineer. (See Special Provisions in Specifications and Proposals Booklet.)
The wearing surface and all other exposed surfaces of wings, caps, abutments, and piling shall be cured and protected in accordance with Sec. 504B of the Standard Specifications for State Road & Bridge Construction, Edition of 1948. As an alternate, a paraffin base curing compound applied immediately after finishing of concrete, and covered with dry burlap, or any suitable material satisfactory to the Engineer in charge, for a minimum of 72 hours may be used.

D.A. = 30 square miles C-025
Waterway provided #14 sq ft

CONSTRUCTION LAYOUT BRIDGE NO. 618-22-1856

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

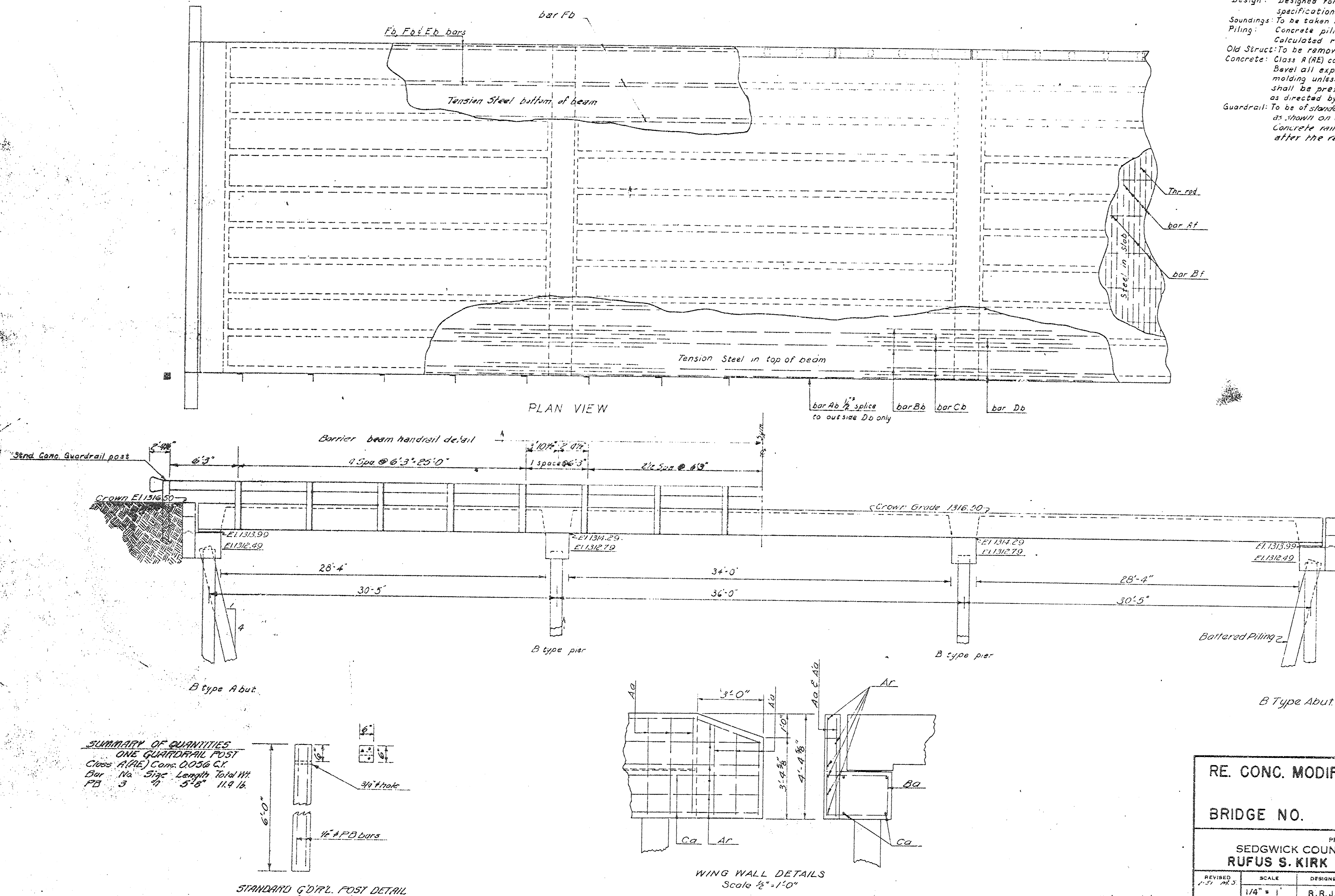
REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
	1"=10'	W.J.F.	C.J.F.		11
	DATE	11-53	11-53		
	PLANFILE		TOTAL SHEETS		

70 TV 132 12/4/52

618-22-1856 Sh. #11 of 14

GENERAL NOTES

Design: Designed for H-20-44 loading ARSHO
 Specifications: $f'_c = 20,000 \text{ psi}$; $f_y = 40,000 \text{ psi}$
 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 A (RE) concrete used throughout.
 Bevel all exposed edges with a $\frac{1}{4}" \Delta$
 molding unless otherwise noted. Forms
 shall be preformed steel "pans" used
 as directed by the Engineer in charge.
 Guardrail: To be of standard barrier beam or concrete
 as shown on Construction Layout.
 Concrete rail to be constructed
 after the removal of deck forms.



RE. CONC. MODIFIED T-BEAM BRIDGE

BRIDGE NO. 618-22-1856

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

REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
1-5-50	1/4" = 1'	R. S. J.	C. D. H.		12
	DATE	9-50	9-18-50		
	PLANT FILE		TOTAL SHEETS		

To Tulsa 12/4/53

618-22-1856 Sh. #12 of 14

