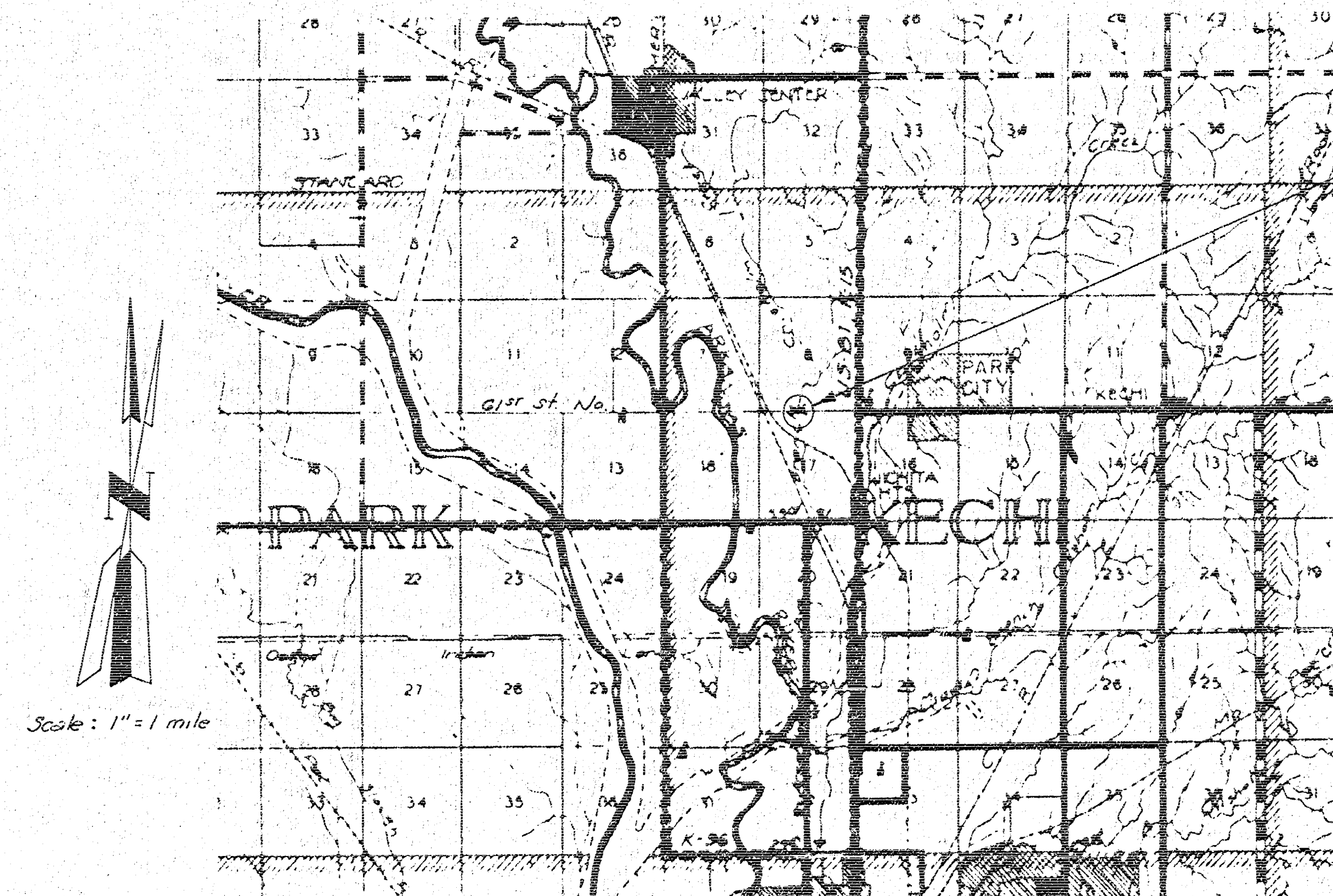


INDEX OF SHEETS

SHEET NO. 1	TITLE SHEET
SHEET NO. 2	PLAN-PROFILE
SHEET NO. 3	CONSTRUCTION LAYOUT
SHEET NO. 4	REINFORCING DETAILS
SHEET NO. 5	AUXILIARY DETAILS
SHEET NO. 6	PILING DETAILS



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



Scale: 1" = 1 mile

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	5348.55	FT	1.013	MILES
NET LENGTH OF BRIDGES	182.0	FT	0.034	MILES
NET LENGTH OF ROAD	5166.55	FT	0.979	MILES
EXCEPTIONS	NONE	FT	NONE	MILES
ADDITIONS	NONE	FT	NONE	MILES
GROSS LENGTH OF PROJECT	5348.55	FT	1.013	MILES

PLANS PREPARED BY

SEDGWICK COUNTY ENGR. DEPT.

DATE

APPROVED

DATE

[Signature]
CHAIRMAN
BOARD OF COUNTY COMMISSIONERS

APPROVED

[Signature]
COUNTY ENGINEER

DATE

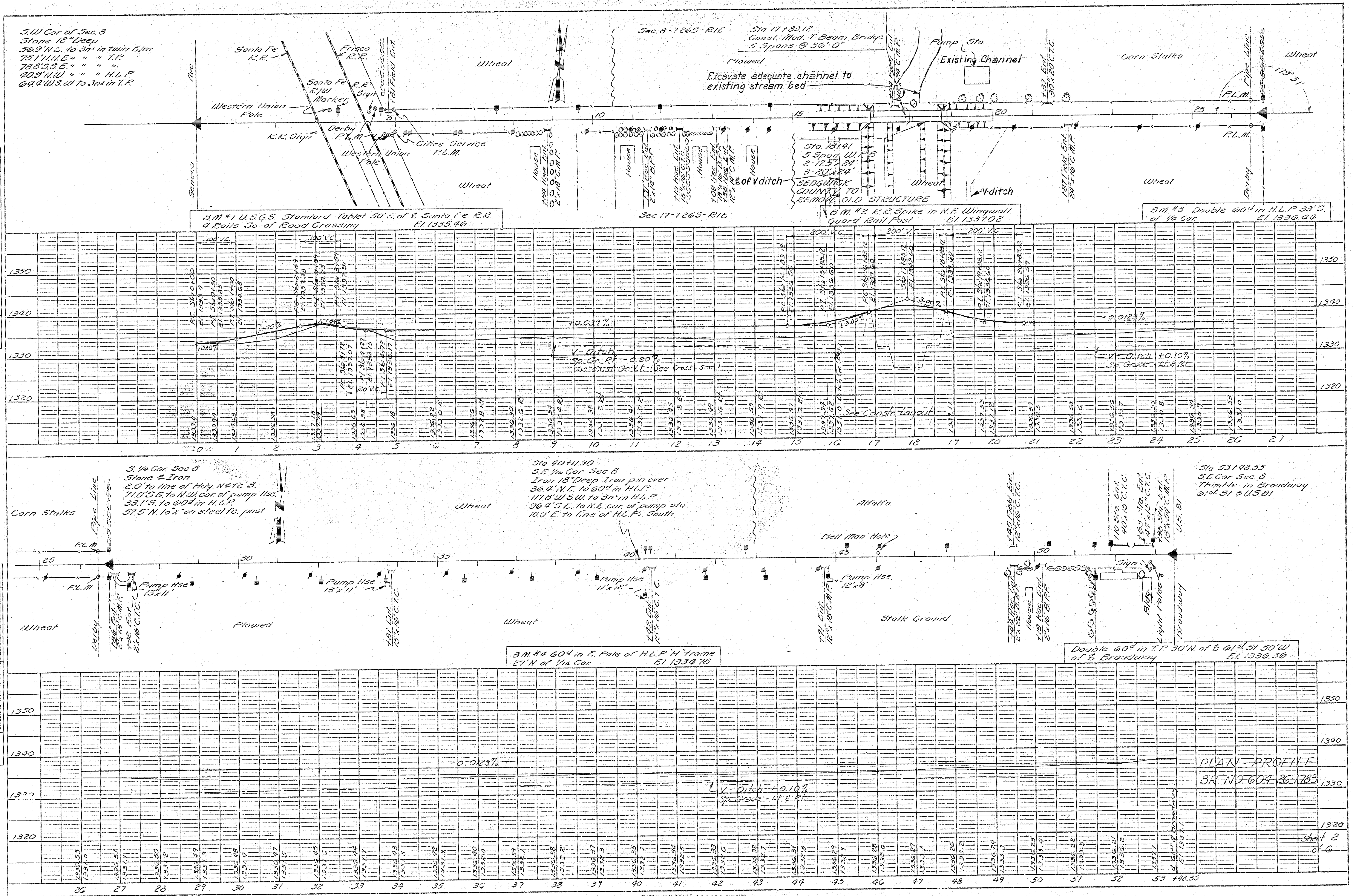
APPROVED

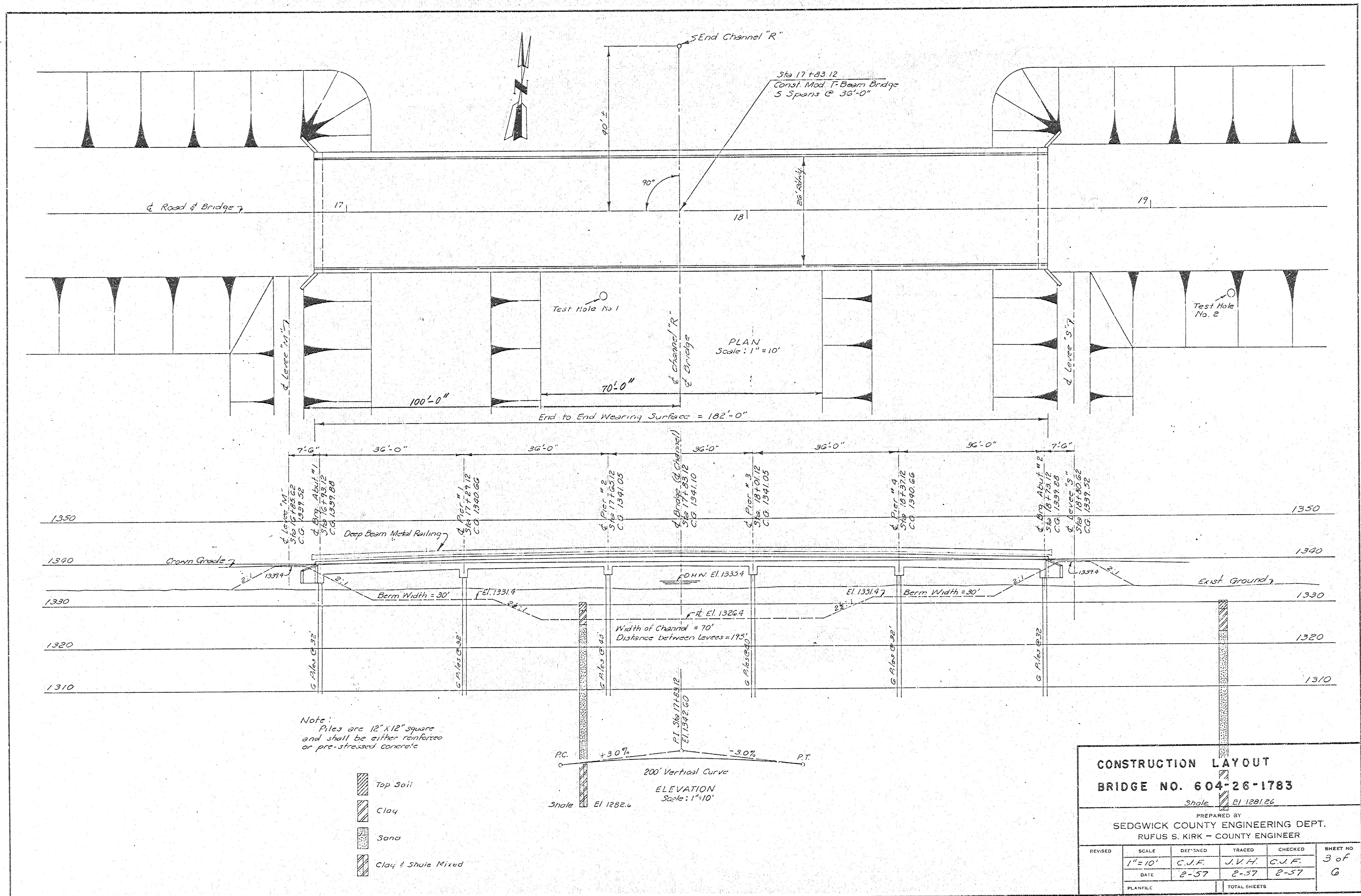
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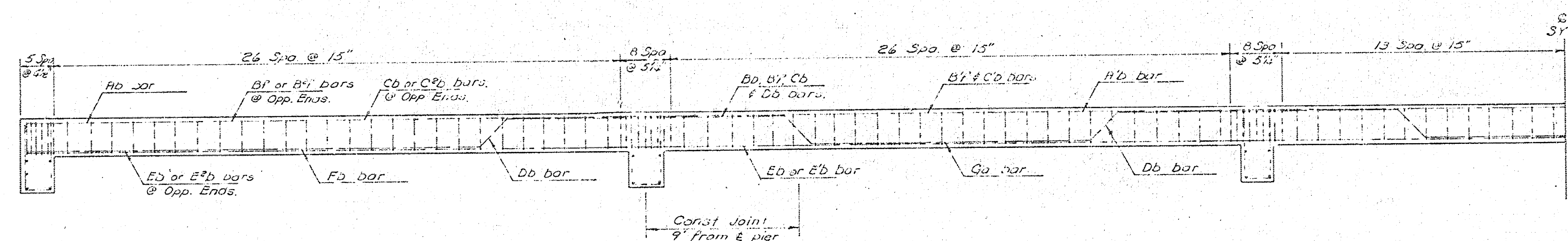
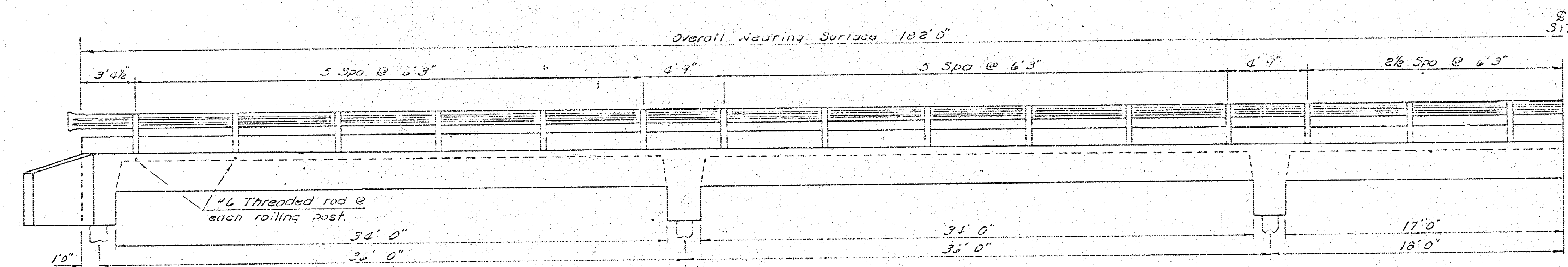
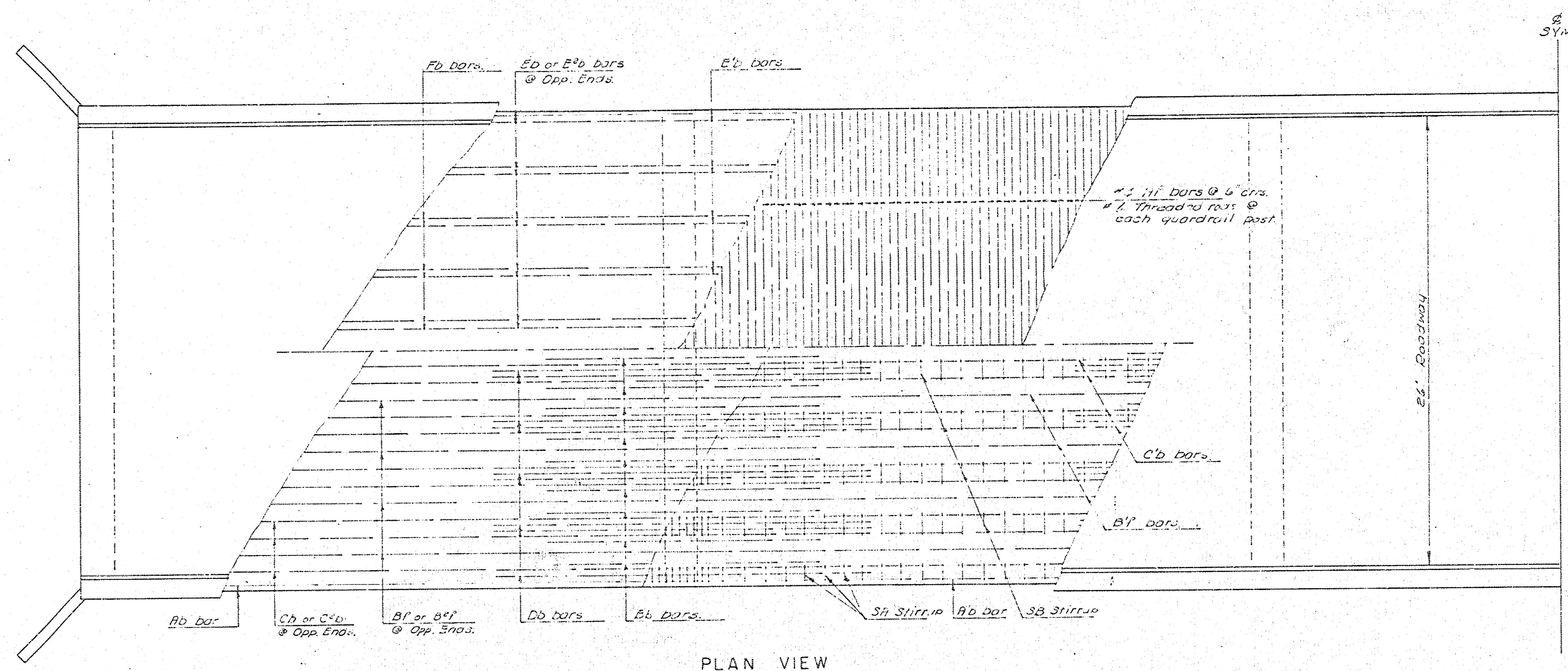
Gist & W. Branch

PLAN
 SHEET NO. 1
 DATE
 BY
 CHECKED
 BY
 APPROVED
 BY

PROFILE
 SHEET NO. 2
 DATE
 BY
 CHECKED
 BY
 APPROVED
 BY







----- GENERAL NOTES -----

DESIGN - Designed For H-20-44 loading AASHO
Specifications, $f_c = 20,000$ psi; $f_c =$
1,200 psi.

SOUNDING - To be taken by Sdg. Co. Engr. Dept.

PILING - Concrete precast or prestressed piling to be driven to a calculated resistance of 24 ton.

OLD STRUCT.- To be removed by Seag. Co.

CONCRETE - Class A (AE) concrete used throughout. Bevel all exposed edges with a $\frac{3}{8}$ " & molding unless otherwise noted. Forms shall be preformed steel "pans" used as directed by the Engr. in charge.

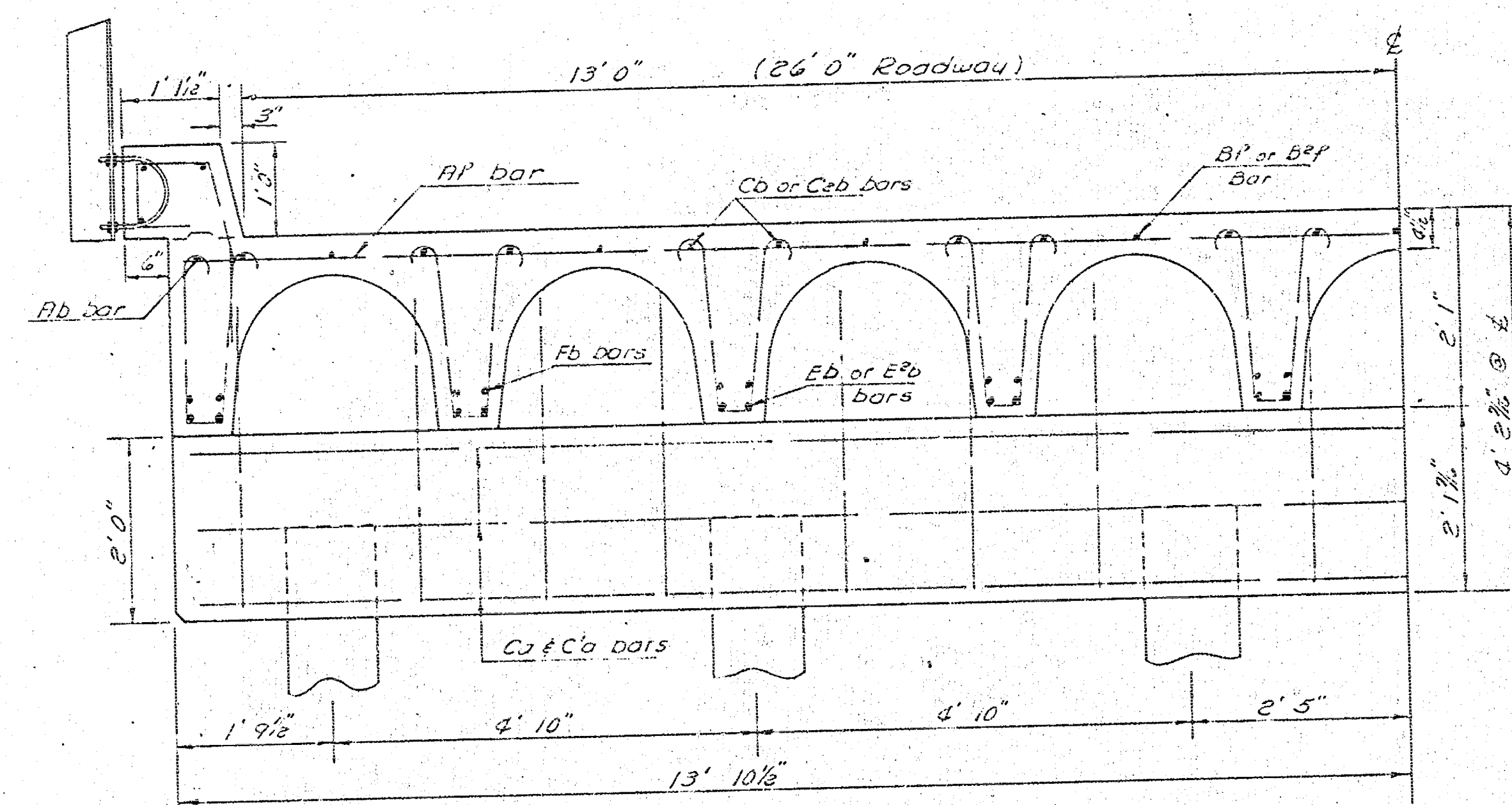
GUARDRAILING - To be standard Deep Beam
guardrail as shown on const. layout.

PAINT - All parts of the Metal Handrail shall receive one shop coat of red lead paint. All exposed surfaces of structural steel and metal hand-rail shall receive one coat of tinted aluminum paint followed by one coat of aluminum paint after erection.

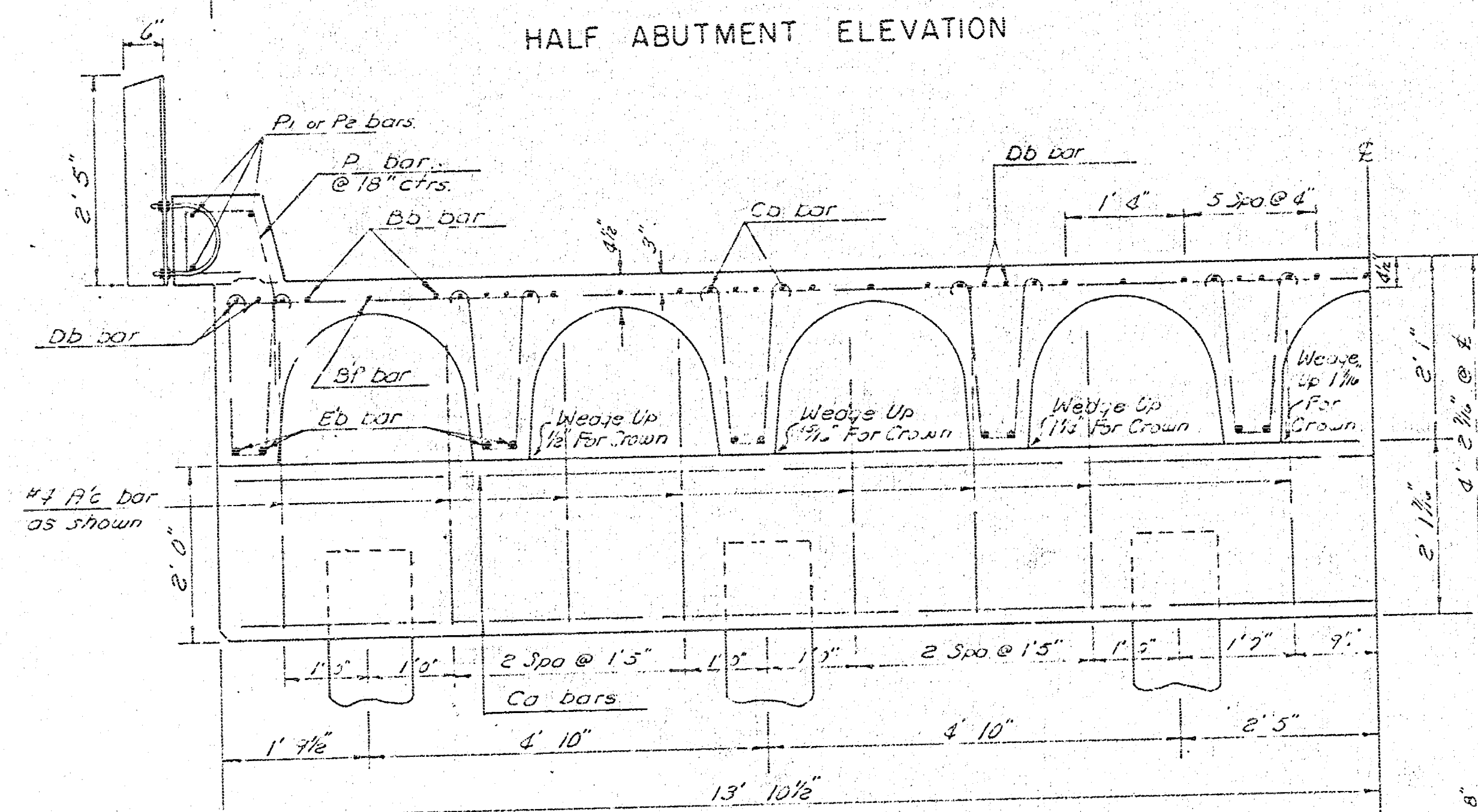
RE CONC. MODIFIED T-BEAM BRIDGE
REINFORCING DETAIL
BRIDGE NO. 604-26-1783

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

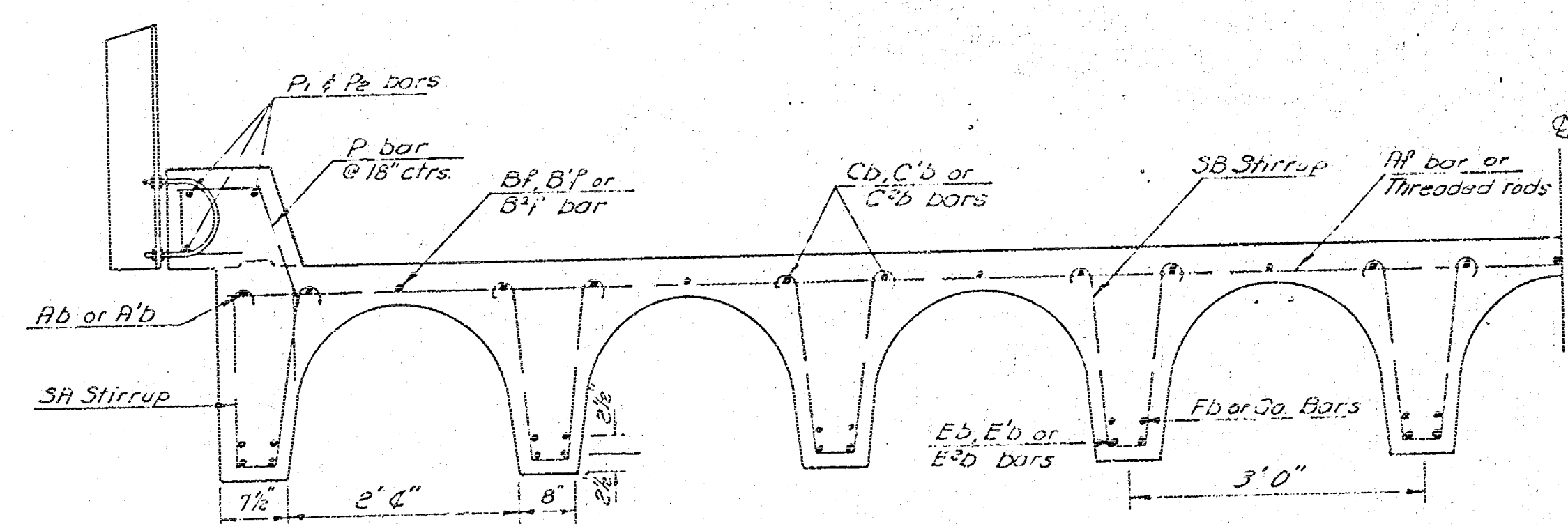
REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET 4 of 6
	1/8" = 1'	M.D.	M.D.	C.J.F.	
	DATE	1-57	Jan. 57	E-57	
	PLANFILE		TOTAL SHEETS		



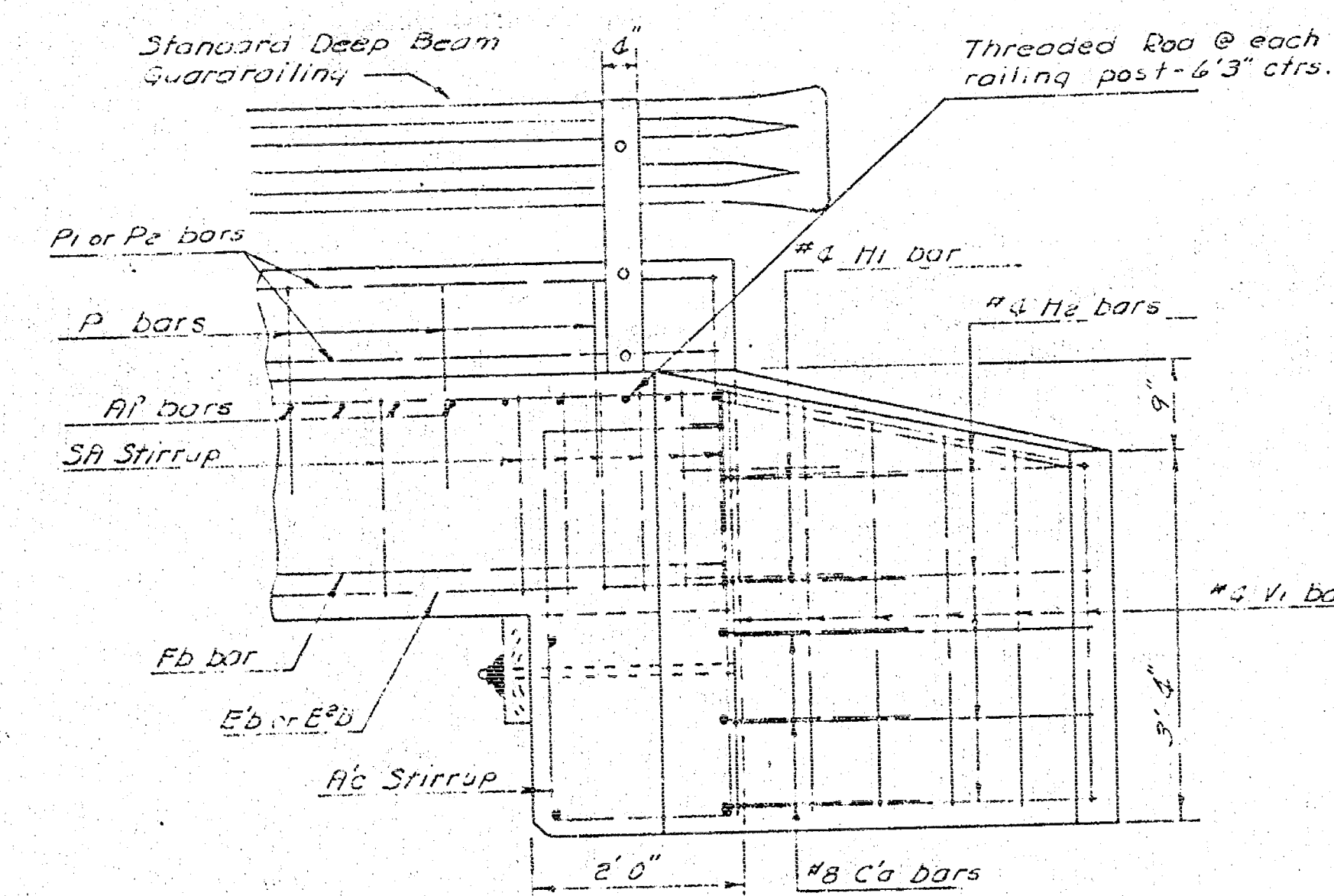
HALF ABUTMENT ELEVATION



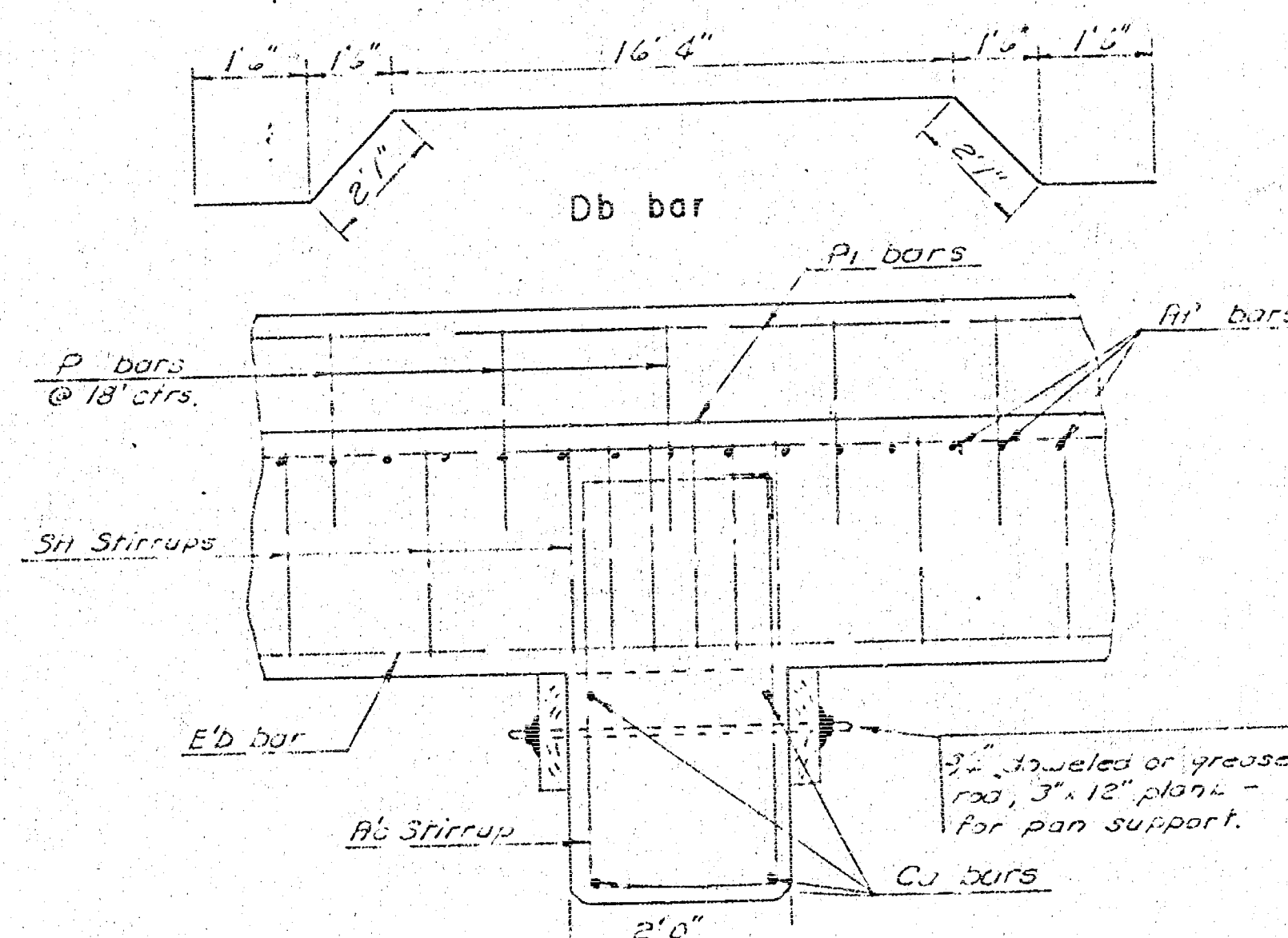
HALF PIER ELEVATION



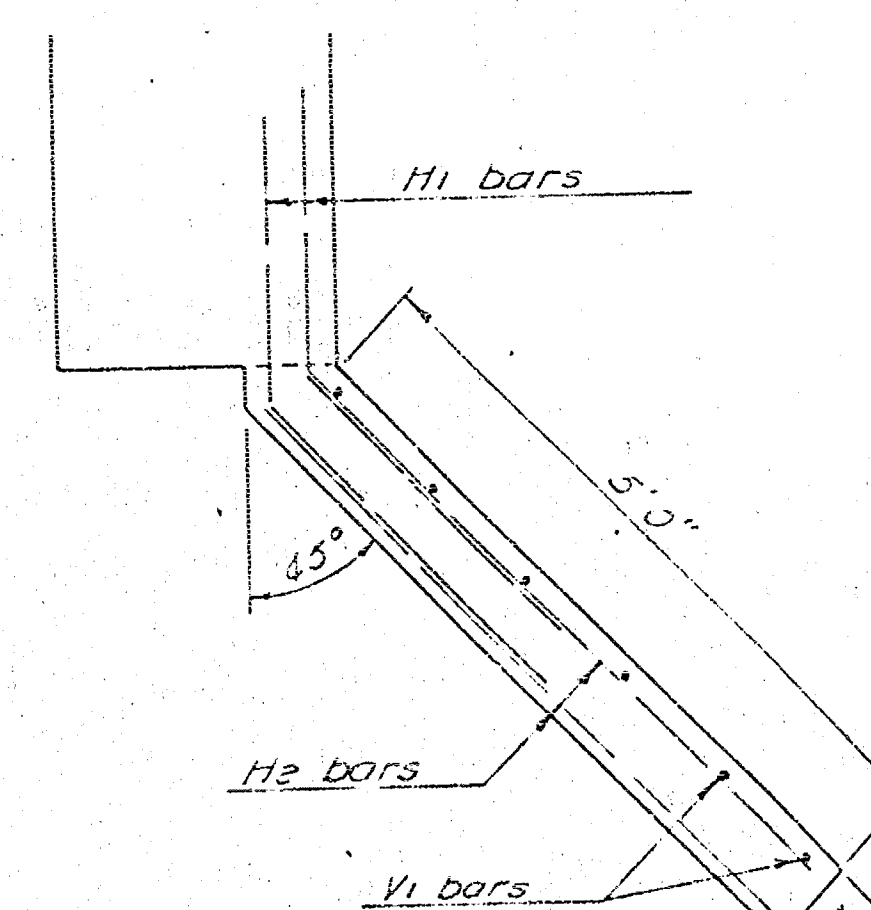
MID-SPAN ELEVATION



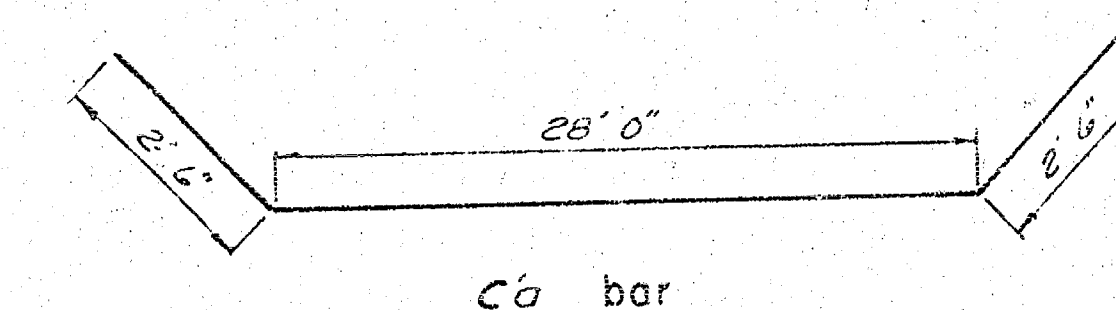
WING ELEVATION



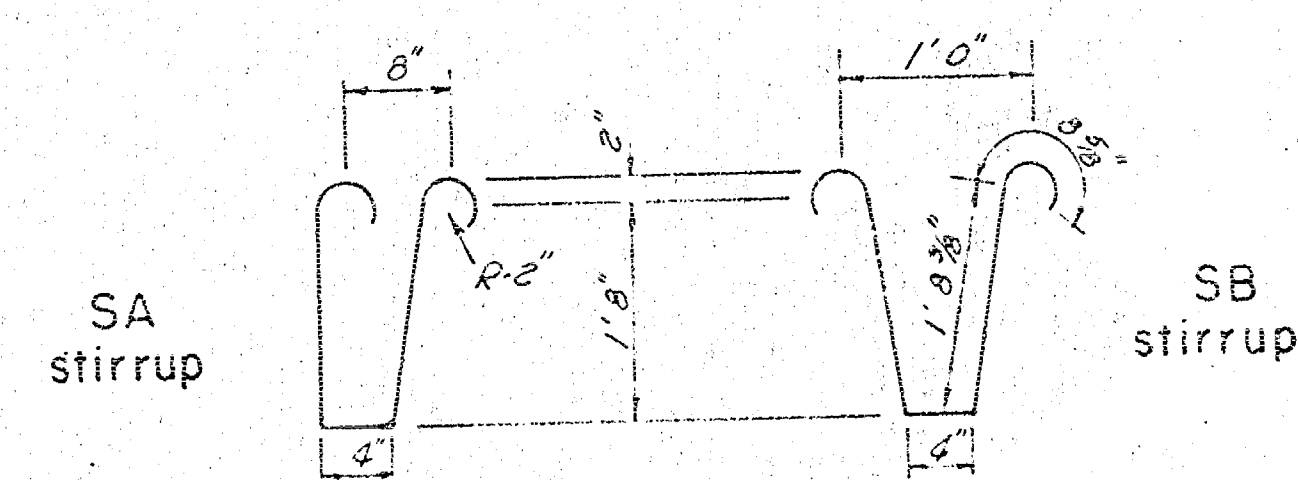
PIER SECTION



WING PLAN

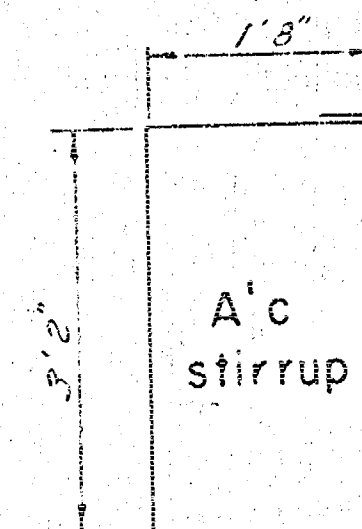


C'a bar

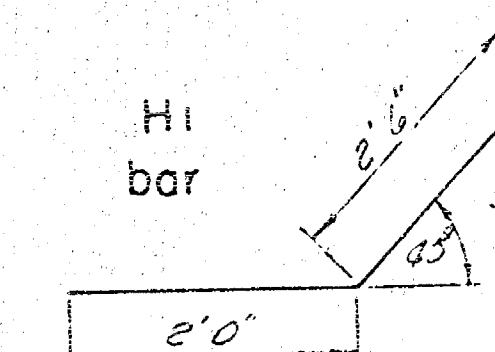


SA stirrup

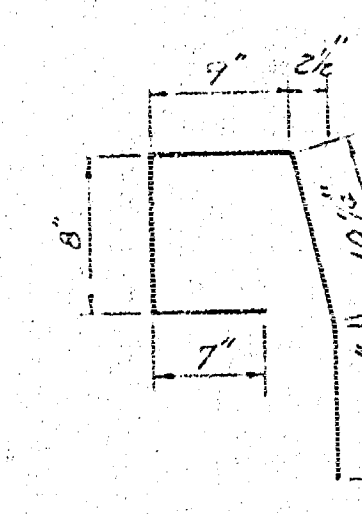
SB stirrup



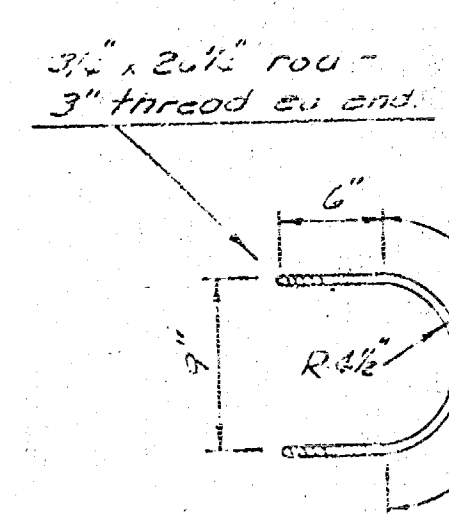
A'c stirrup



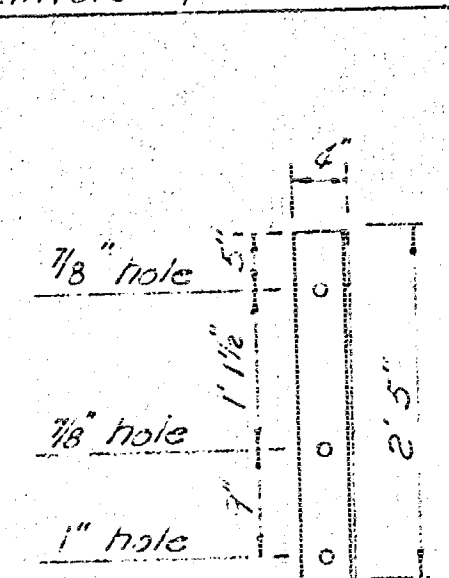
H1 bar



P bar



HANDRAIL ANCHOR BOLT



RAILING POST

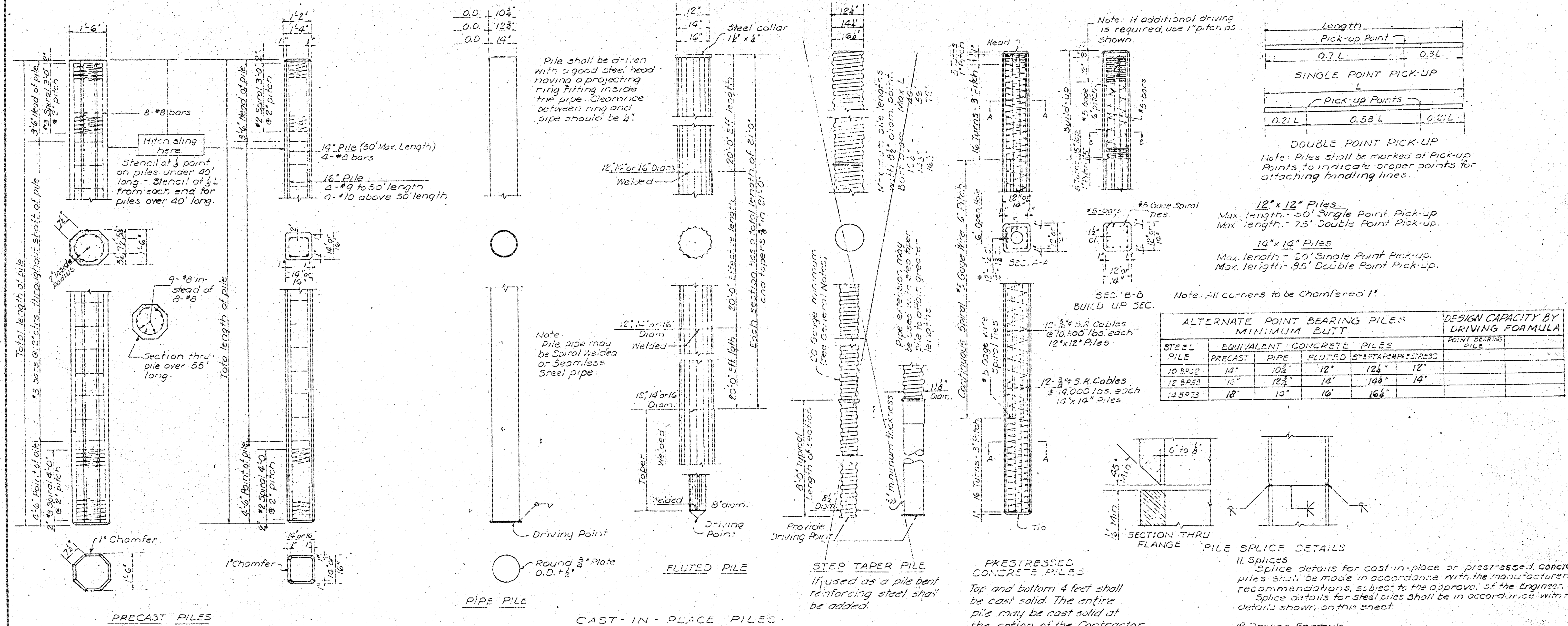
S. 22012 & 30' 0"		SUMMARY OF QUANTITIES										Metal Handrail									
BAR NO.	AB	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW
SIZE	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
LENGTH	30' 8"	23' 0"	10' 8"	27' 5"	17' 0"	15' 8"	38' 0"	27' 3"	27' 3"	33' 4"	48' 2"	38' 0"	27' 3"	29' 4"	42' 2"	38' 0"	27' 3"	27' 3"	16' 4"	4' 8"	5' 0"
Concrete	Class H	241.8 Cu. Yds.																			
12" x 12" Prestressed Piling	124.9 Lin. Ft.																				
Reinforcing Steel	49,725.7 Lbs.																				
Deep Beam Guardrail	364 Lin. Ft.																				
Railings Posts	60 Ea.																				
Railing Hardware																					
Guardrail Ends	4 ea.																				

RE CONC. MODIFIED T-BEAM BRIDGE
AUXILIARY DETAILS
BRIDGE NO. 604-26-1783

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

REVISED	SCALE	DESIGNED	TRACED	CHECKED	SHEET NO.
	3/8" = 1'	MD	MD	C.J.F.	5 of 6
	DATE	8-57	Jan 57	8-57	
	PLANFILE		TOTAL SHEETS		

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



General Notes

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

- 3. Precast Piles.
 - Precast piles shall conform to the requirements of Section 59.310 of the specifications.
- 6. Cast-in-place Shells
 - A. Pile shells shall have a minimum thickness as follows:
 - 1. Piles driven without mandrel- d gage except fluted pile use 9 gage minimum.
 - 2. Piles driven with mandrel Shell shall be of sufficient strength and thickness to withstand driving without injury and to resist horizontal distortion and/or buckling due to soil pressure after being driven and the mandrel removed.
 - B. Pile shells shall meet the following material requirements:
 - 1. Fluted shell steels and steel collar- SAE 100 classification for open hearing steel.
 - 2. Spiral welded steel- A.S.T.M. (Designation, A552, Grade 2 Steel), Fusion-Welded Corral Seam Steel Pipe.
 - 3. Seamless steel pipe- A.S.T.M. A552, Welded and Seamless Steel Pipe P.30.
 - 4. Corrugated steel shell- SAE 1000.
 - C. The contractor shall maintain on the job at all times prior to and during the driving of the shells, a light suitable for Night Work-1100.

- D. Improperly driven, broken or otherwise defective shells shall be removed and replaced or otherwise corrected to the satisfaction of the Engineer by removal or replacement or the driving of an additional pile of no extra cost.
7. Steel Piles
Steel pile material shall meet the requirements of A.S.T.M. A7-53T.
8. Pile Points
All cast-in-place piles shall be equipped with a steel driving point of minimum thickness. Driving points shall be mill welded to the pile shell. Driving points shall be either hot pressed steel meeting the requirements of SAE 1020 or forged steel, or cast steel meeting the requirements of A.S.T.M. Serial No. A-21-42, Grade 2, or structural steel meeting the requirements of A.S.T.M. A7-53T.
9. Welding
All field welding must meet the requirements of Section 51.34 of the Specifications.
10. Point
Shall comply with the Kansas Standards Specifications, (1955 Edition)

11. Splices
Splice details for cast-in-place or pre-stressed concrete piles shall be made in accordance with the manufacturers recommendations, subject to the approval of the Engineer.
Splice details for steel piles shall be in accordance with the details shown on this sheet.
12. 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.
13. Mill Test Reports
Notarized mill test reports, in triplicate, shall be furnished by the Contractor for all steel pile and cast-in-place pile shells.
14. Payment
Payment for all piles will be made as set forth in the specifications.
15. Test Piles
Test piles shall be driven where called for on the Bridge plan. Test piles shall be located so that they will become part of the Bridge pile system.

[illegible]