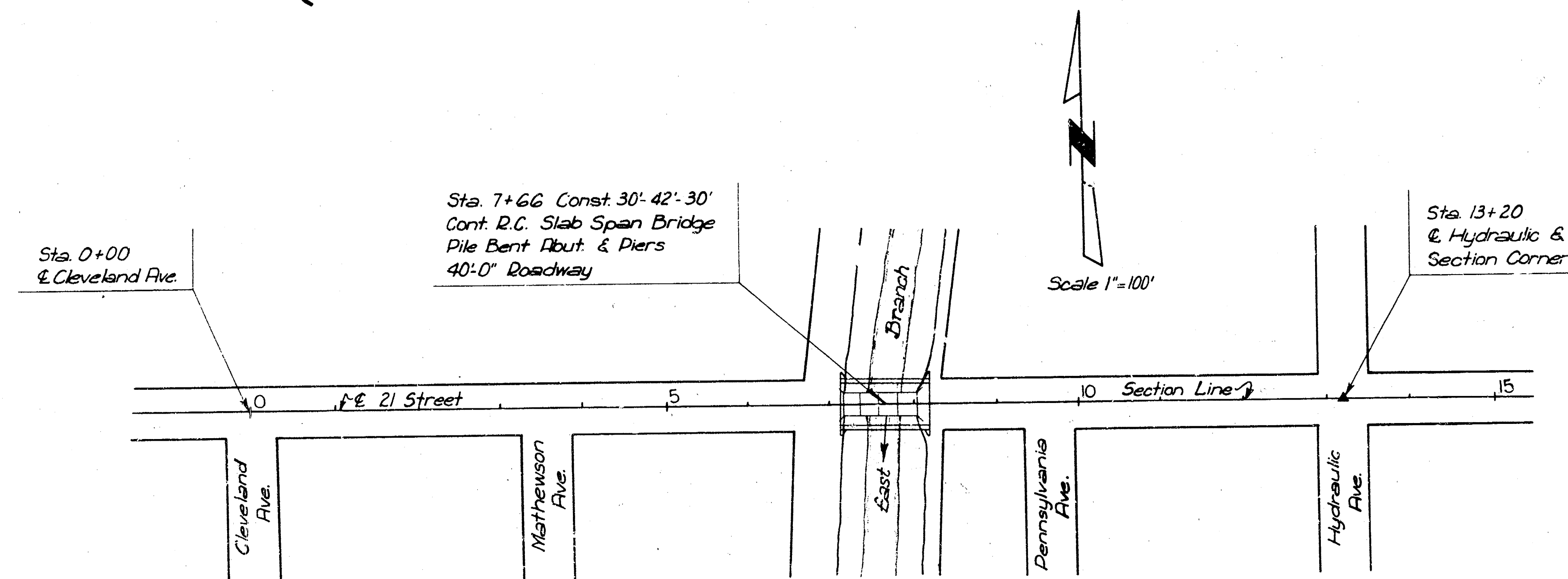


21 ST. STREET BRIDGE

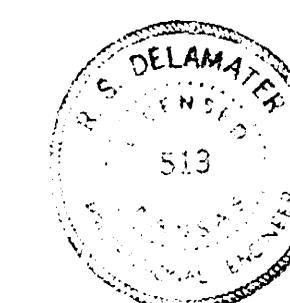
OVER THE
WICHITA DRAINAGE CANAL
(EAST BRANCH, CHISHOLM CREEK)

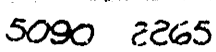


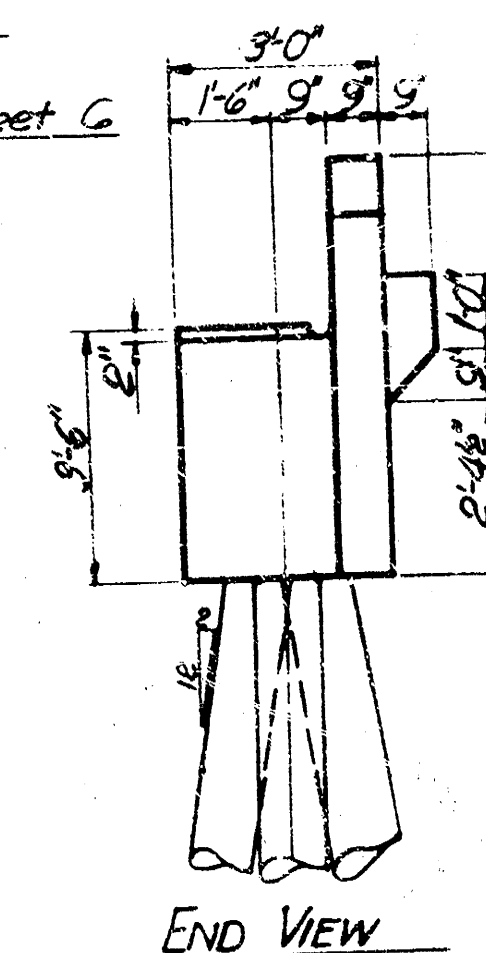
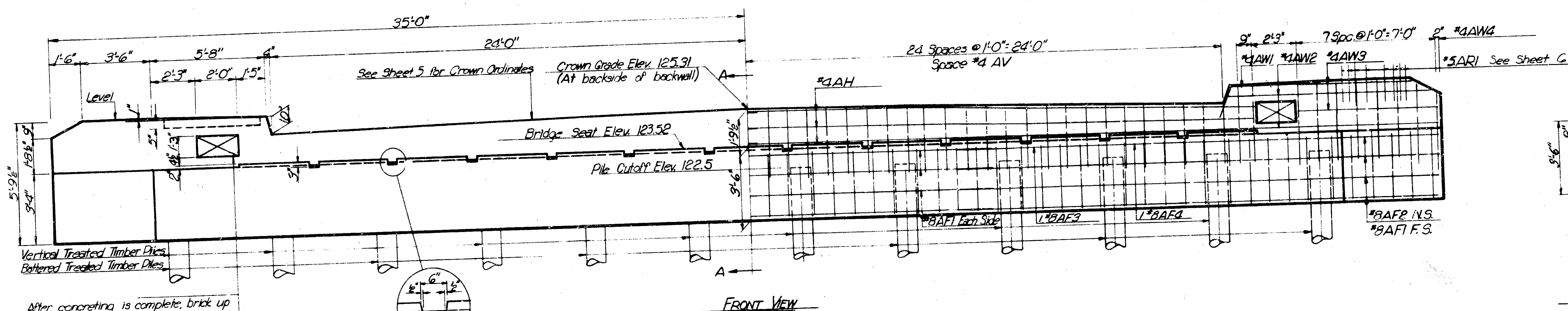
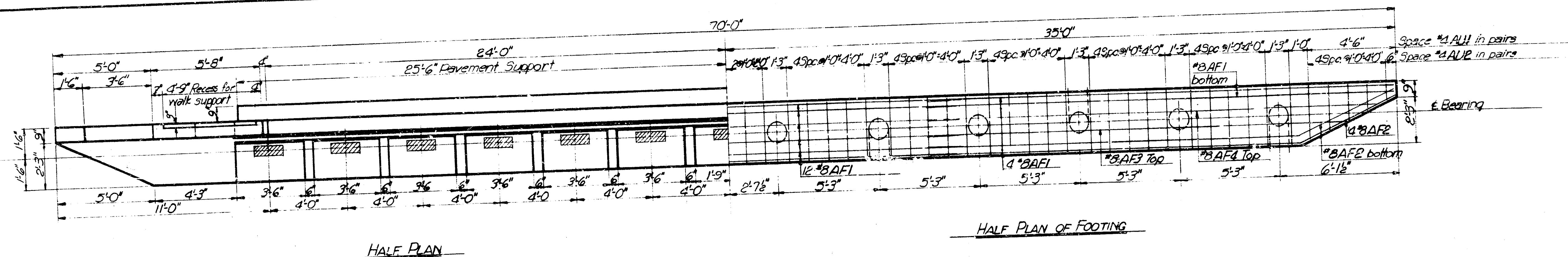
CITY ENGINEERING DEPARTMENT
WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER

PLANS PREPARED BY
R.S. DELAMATER, CONSULTING ENGINEER
WICHITA, KANSAS
JUNE, 1953

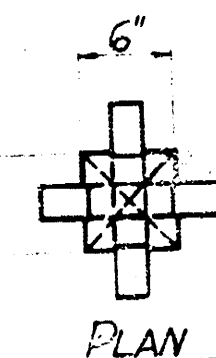
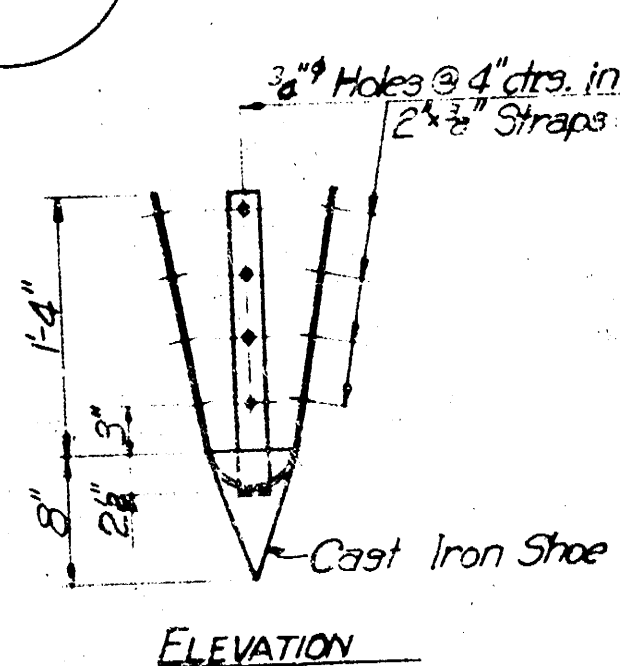
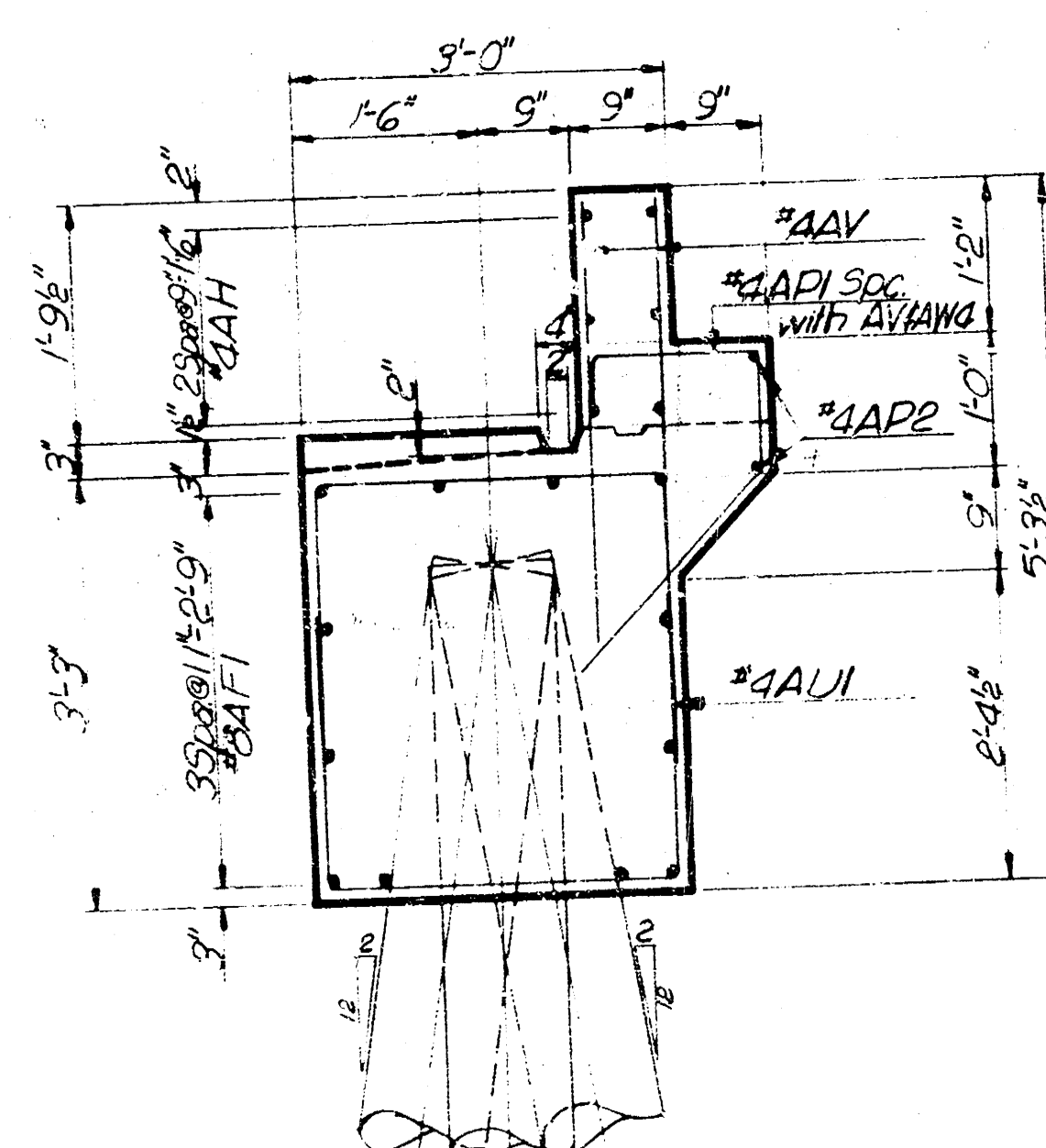
INDEX OF SHEETS	
SHEET NO.	1. Title Sheet
	2. Construction Layout
	3. Abutment Details
	4. Pier Details
	5. Superstructure Details
	6. Auxiliary Details
	7. Bar Supports and Spacers







After concreting is complete, brick up these openings, using common brick in cement mortar; this work to be subsidiary to Class A Concrete bid item.

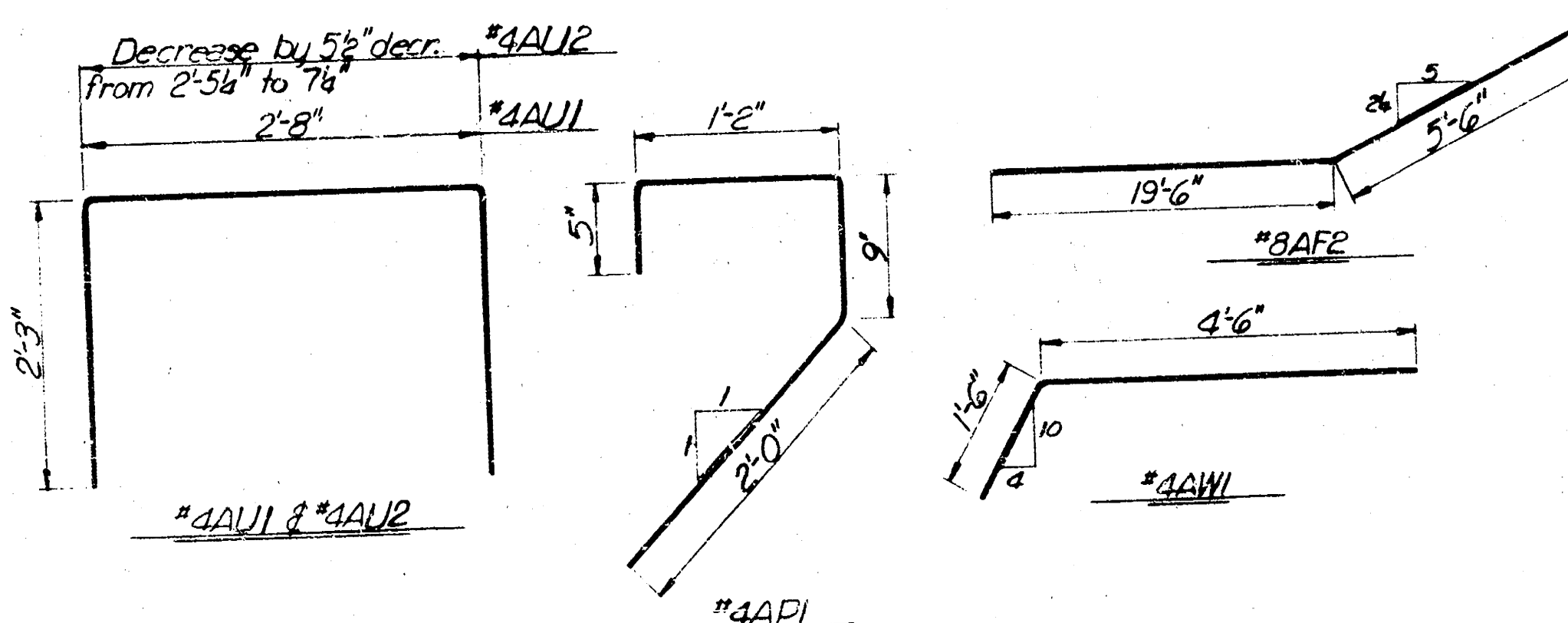


METAL PILE POINTS

Note:

Note:
Pile points shall be substantially symmetrical with tips centered. Not more than $\frac{1}{4}$ " concavity nor more than $\frac{1}{8}$ " convexity shall be permitted in the top face.

Pile points shall be fastened to pile by one 1"x4" boat spike or two 60-d spikes per hole.



BENDING DIAGRAMS

(All dimensions are out to out of bar)

	AF1	AF2	AF3	AF4	AH	AV	AW1	AW2	AW3	AW4	AP1	AP2	AR1	AR2	AV1	AV2
No Rupt	22	10	2	2	12	38	4	8	3	40	51	4	16	4	114	20
Size	#9	#8	#8	#8	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4
Length	23'-4"	25'-0"	21'-8"	23'-4"	26'-1"	3'-3"	6'-0"	13'-3"	7'-0"	3'-6"	4'-4"	25'-0"	4'-0"	3'-9"	7'-2"	*
Shape											?					

* See Bending Diagrams.

Class A Concrete	30.8	Cu Yd	
Reinforcing Steel	-3890	Lbs	
Treated Timber Piles	420	Lin Ft	
Metal Pipe Pile	12	Each	
		Concrete Handrail	80 Lin Ft

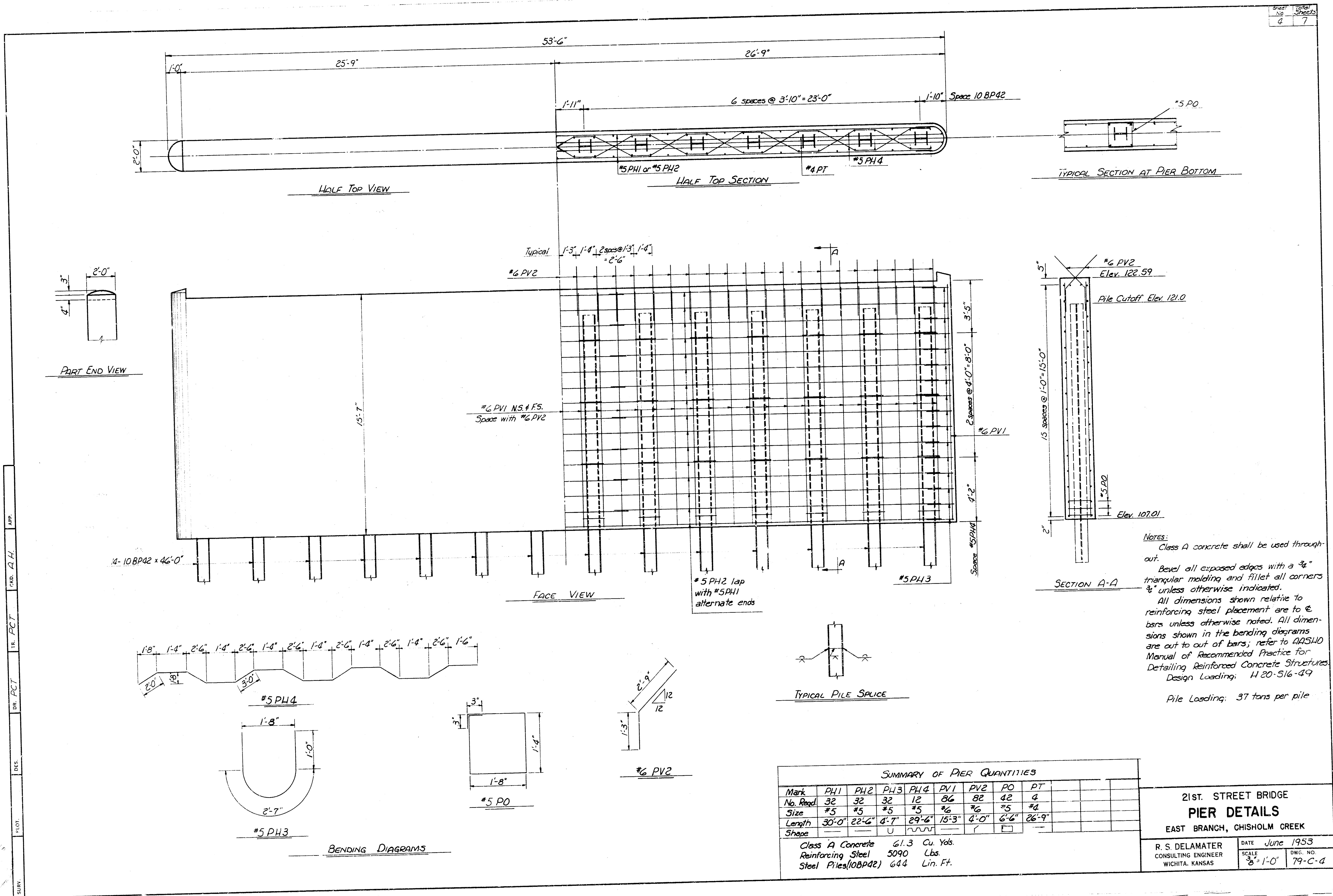
NOTES:
Class A Concrete shall be used throughout.
Bevel all exposed edges with a $\frac{1}{4}$ " triangular molding and fillet all corners $\frac{3}{8}$ " unless otherwise indicated.
All dimensions shown relative to reinforcing steel placement are to c & d of bars. Refer to AASHTO Manual of Recommended Practice for Detailing Reinforced Concrete Highway Structures.
See Sheet 6 for Handrail Details, Expansion Device Details and Abutment Bearing Device Details.

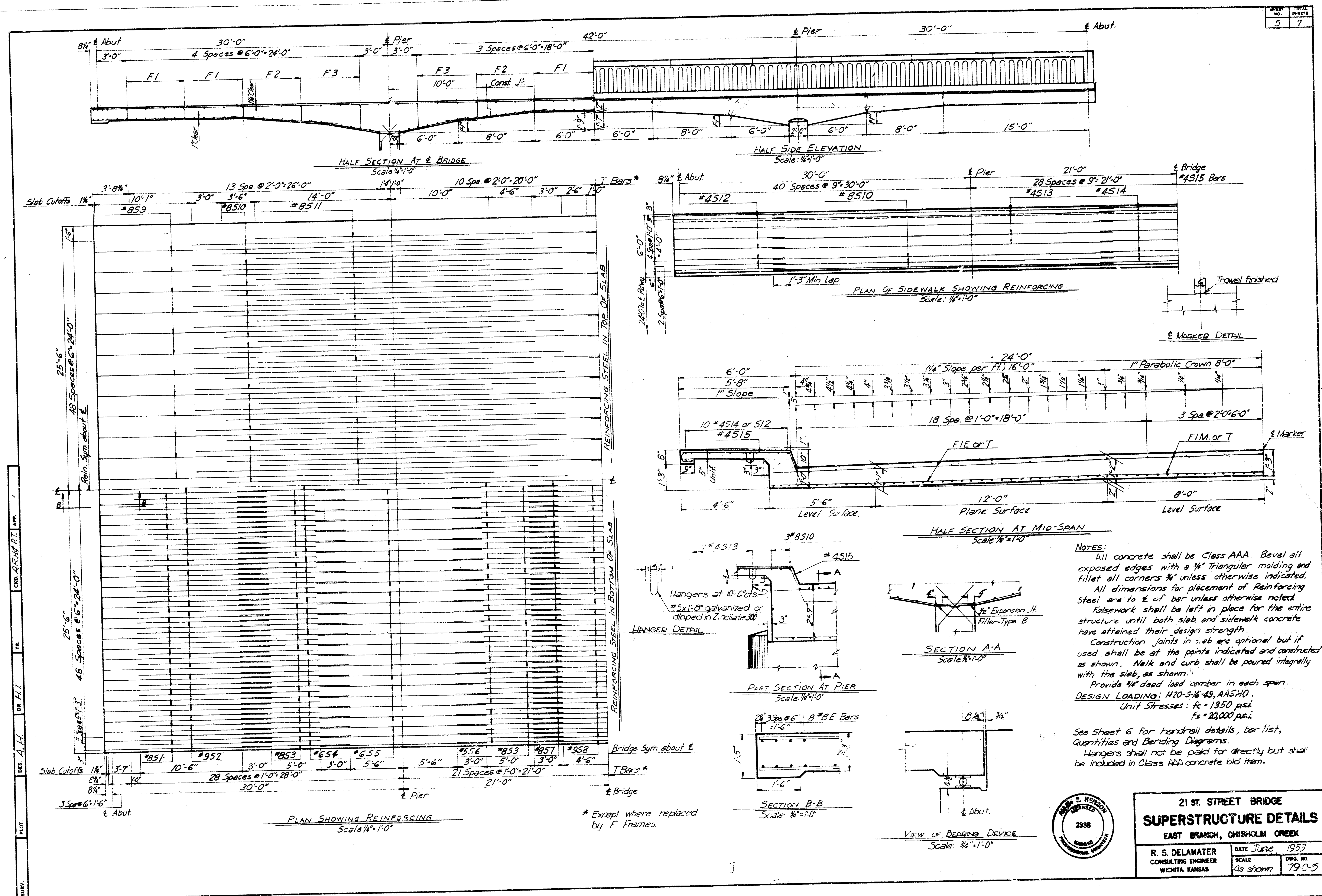


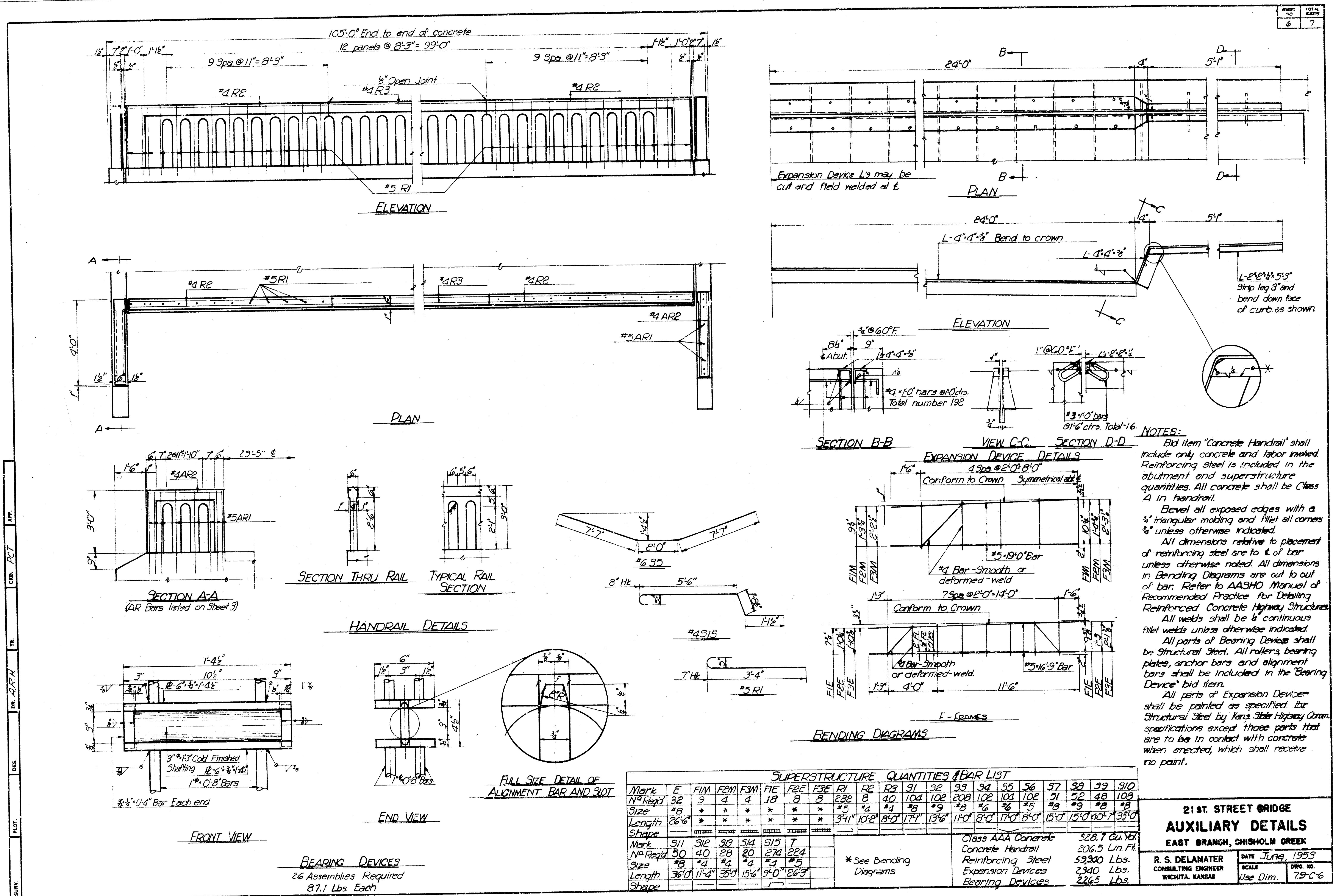
21 ST. STREET BRIDGE
ABUTMENT DETAILS
EAST BRANCH, CHISHOLM CREEK

R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS	DATE <i>June, 1953</i>	
	SCALE $\frac{3}{8}'' = 1'-0''$	DWG. NO. 79-C-3

DATE	June, 1953
SCALE	DWG. NO.
$\frac{3}{8}'' = 1'-0''$	796







21ST STREET BRIDGE
AUXILIARY DETAILS
 EAST BRANCH, CHISHOLM CREEK

R. S. DELAMATER
 CONSULTING ENGINEER
 WICHITA, KANSAS

DATE June, 1953
 SCALE Use Dim.
 DWG. NO. 79-C-6

