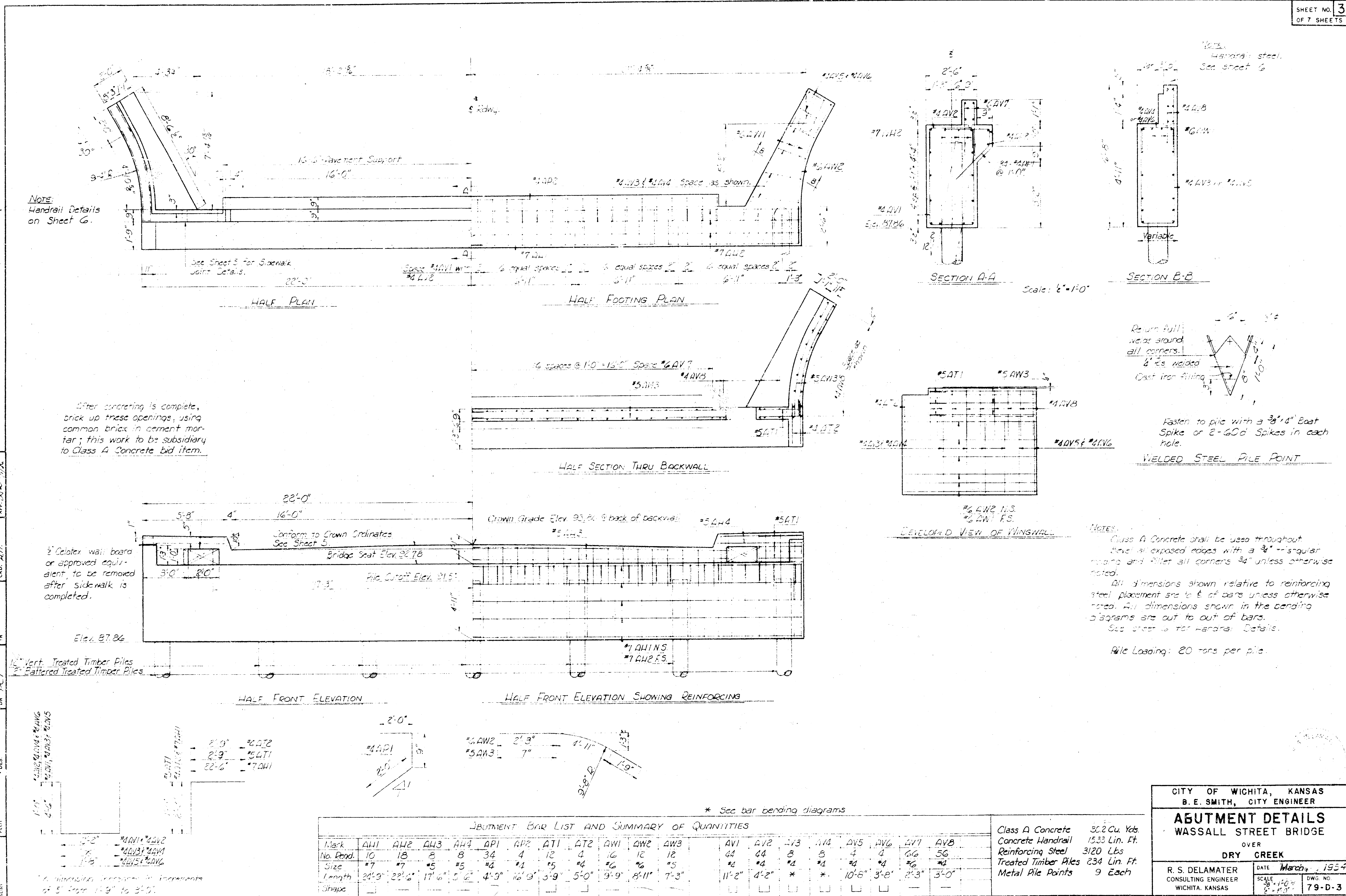
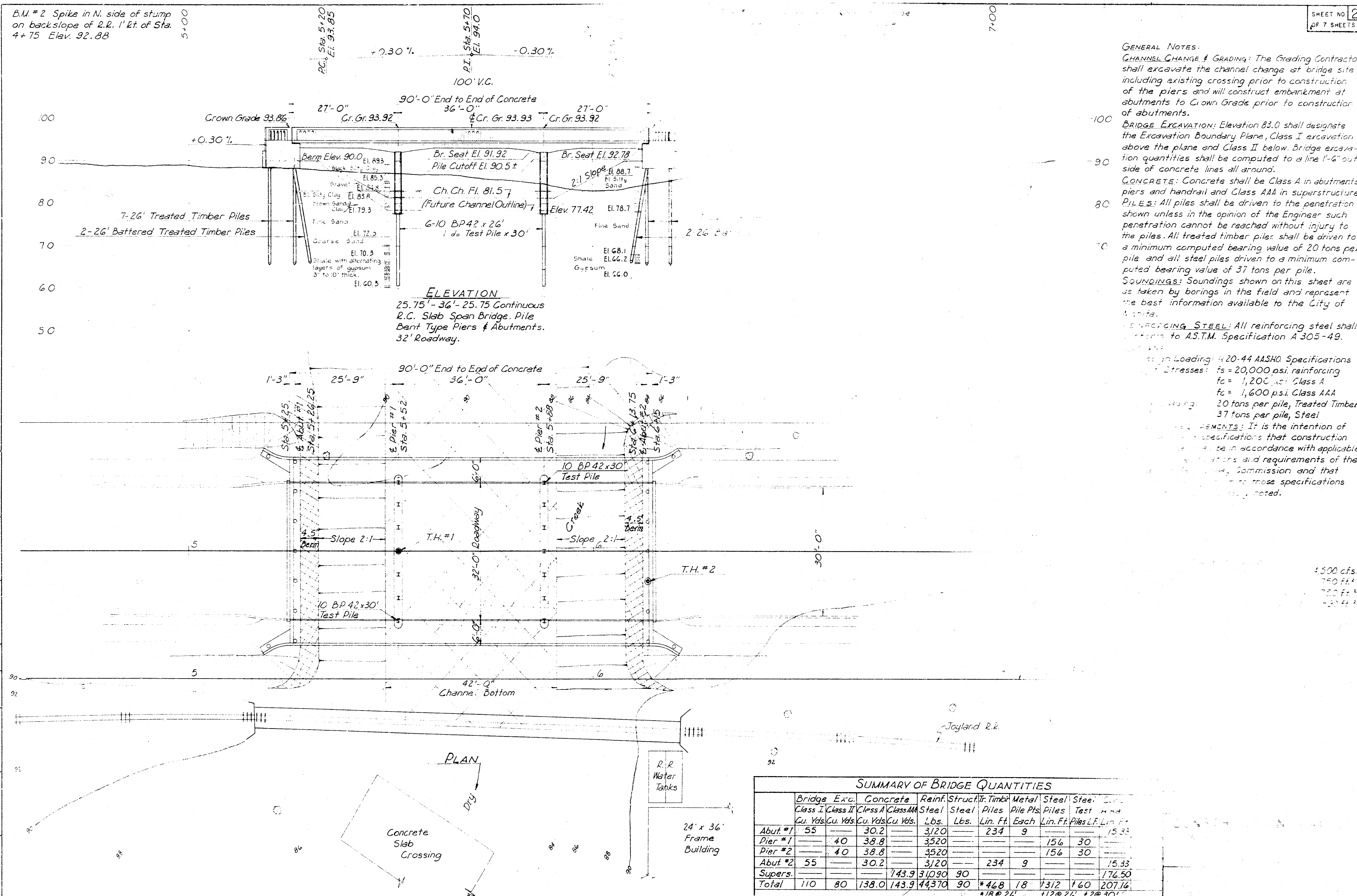


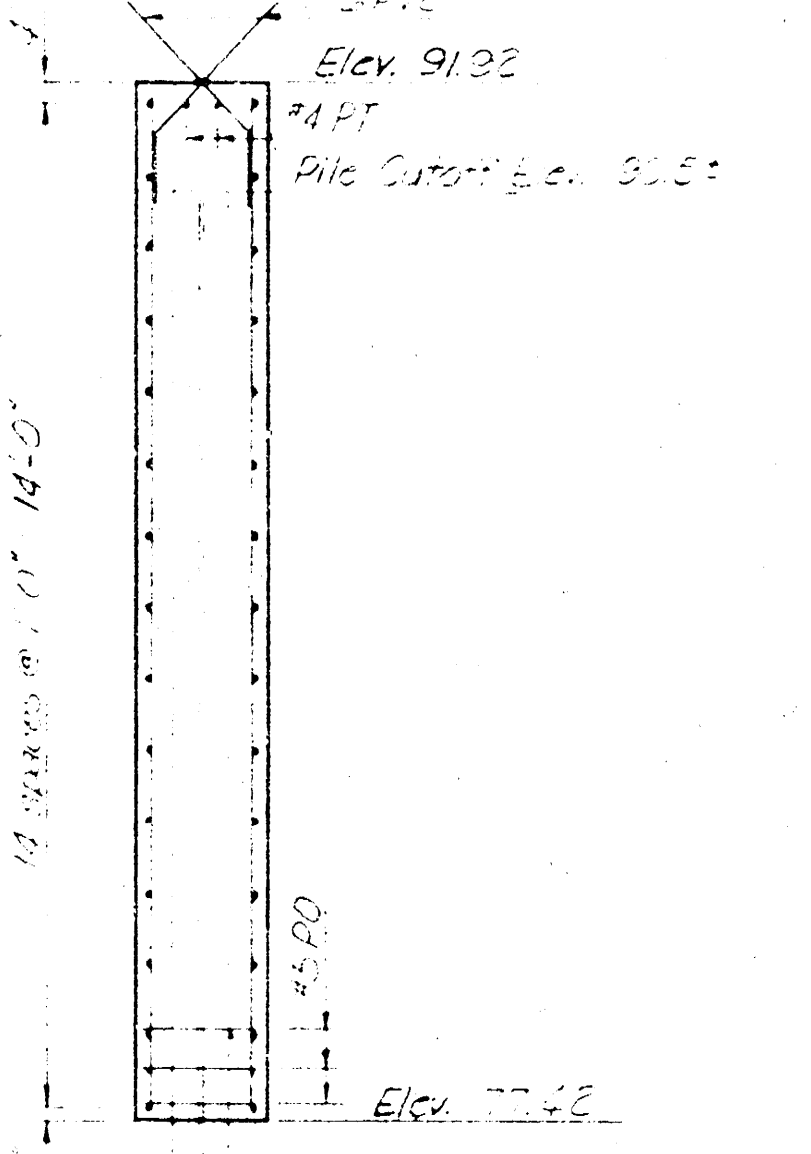
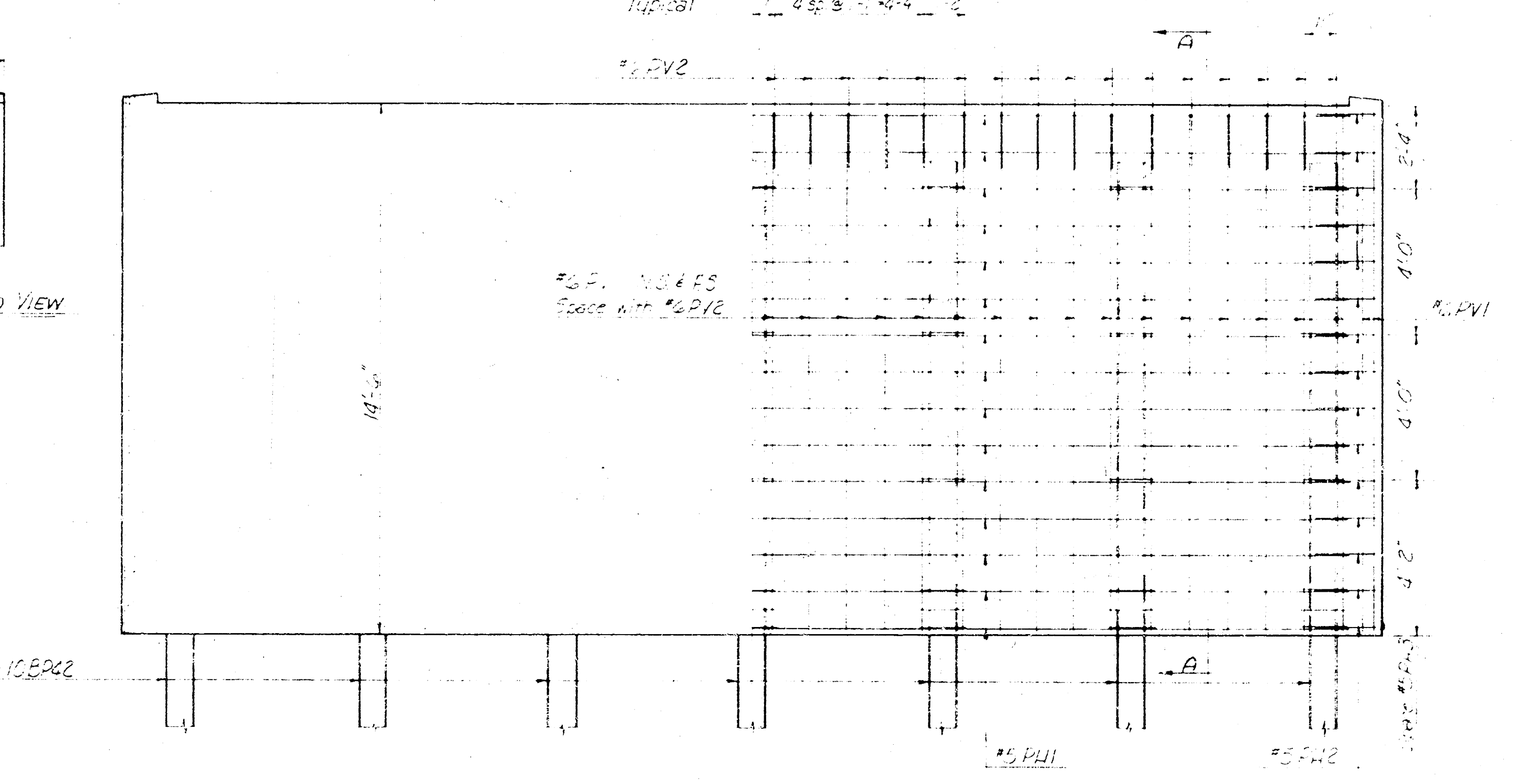
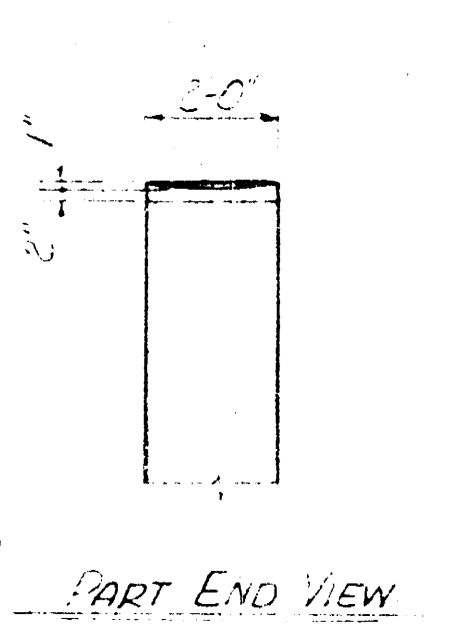
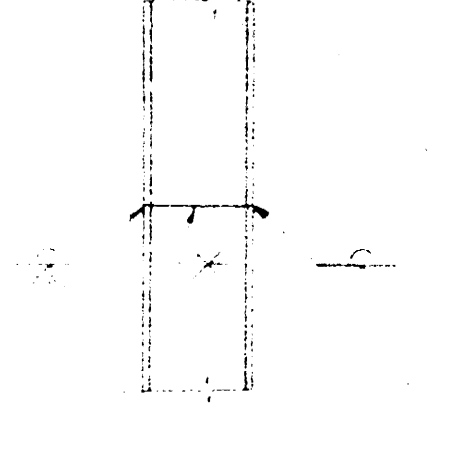
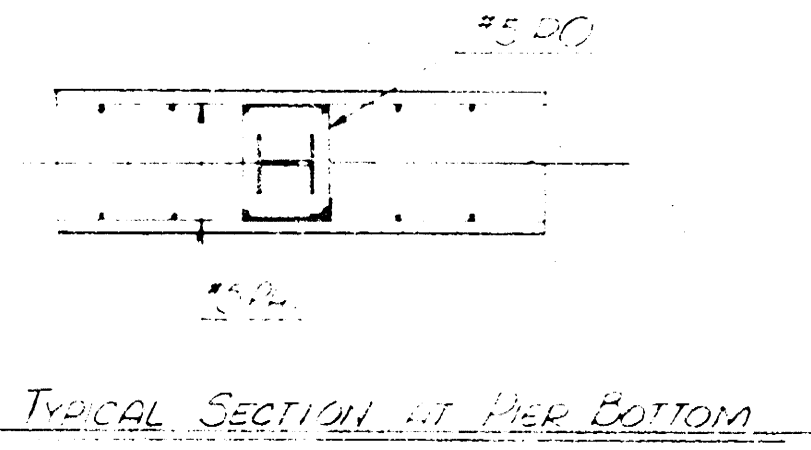
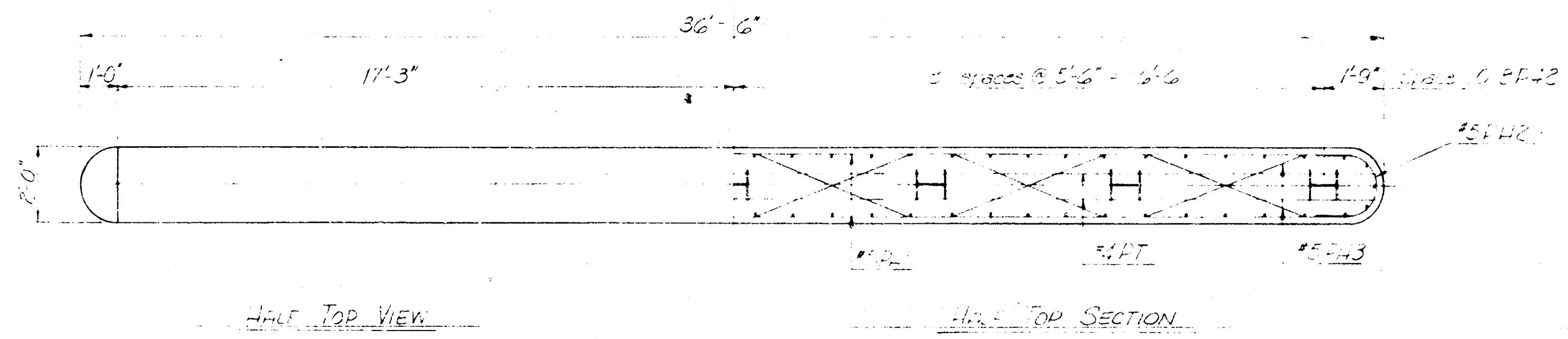


CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
ABUTMENT DETAILS
WASSALL STREET BRIDGE
OVER
DRY CREEK
R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS
DATE: March, 1954
SCALE: 1/8" = 1'-0"
DWG. NO.: 79-D-3

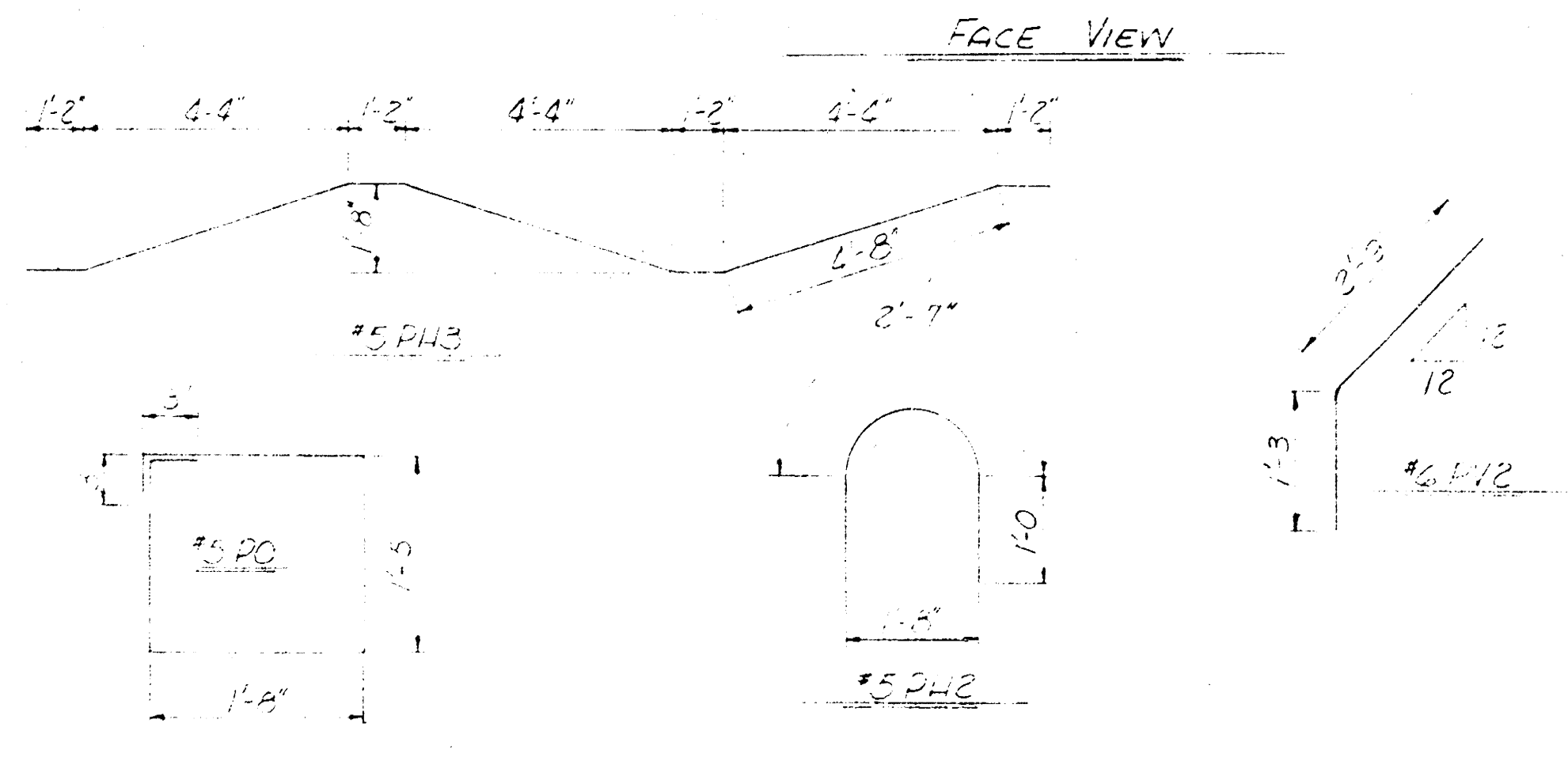


GENERAL NOTES:
CHANNEL CHANGE & GRADING: The Grading Contractor shall excavate the channel change at bridge site including existing crossing prior to construction of the piers and will construct embankment at abutments to Crown Grade prior to construction of abutments.
BRIDGE EXCAVATION: Elevation 83.0 shall designate the Excavation Boundary Plane, Class I excavation above the plane and Class II below. Bridge excavation quantities shall be computed to a line 1'-6" outside of concrete lines all around.
CONCRETE: Concrete shall be Class A in abutments, piers and handrail and Class AAA in superstructure.
PILES: All piles shall be driven to the penetration shown unless in the opinion of the Engineer such penetration cannot be reached without injury to the piles. All treated timber piles shall be driven to a minimum computed bearing value of 20 tons per pile and all steel piles driven to a minimum computed bearing value of 37 tons per pile.
SOUNDINGS: Soundings shown on this sheet are as taken by borings in the field and represent the best information available to the City of Atlanta.
REINFORCING STEEL: All reinforcing steel shall conform to A.S.T.M. Specification A 305-49.
DESIGN LOADING: 4-20-44 AASHO Specifications
STRESSES: $f_s = 20,000$ psi. reinforcing
 $f_c = 1,200$ psi. Class A
 $f_c = 1,600$ psi. Class AAA
TESTING: 20 tons per pile, Treated Timber
 37 tons per pile, Steel
REMARKS: It is the intention of the specifications that construction shall be in accordance with applicable specifications and requirements of the Georgia Highway Commission and that the contractor shall conform to these specifications.

4500 cfs.
 750 ft.³
 750 ft.³
 450 ft.³

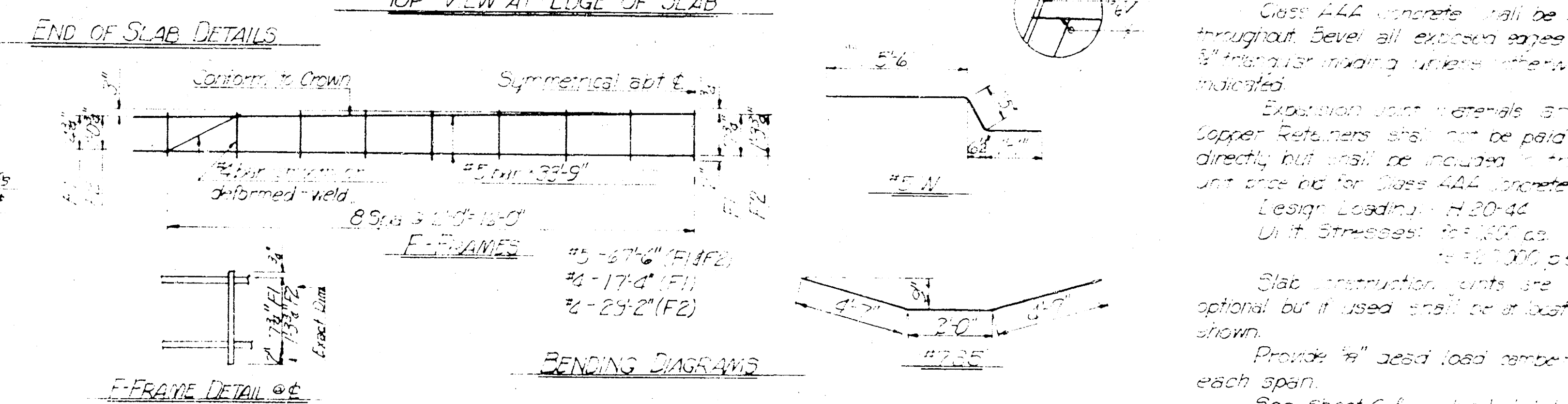
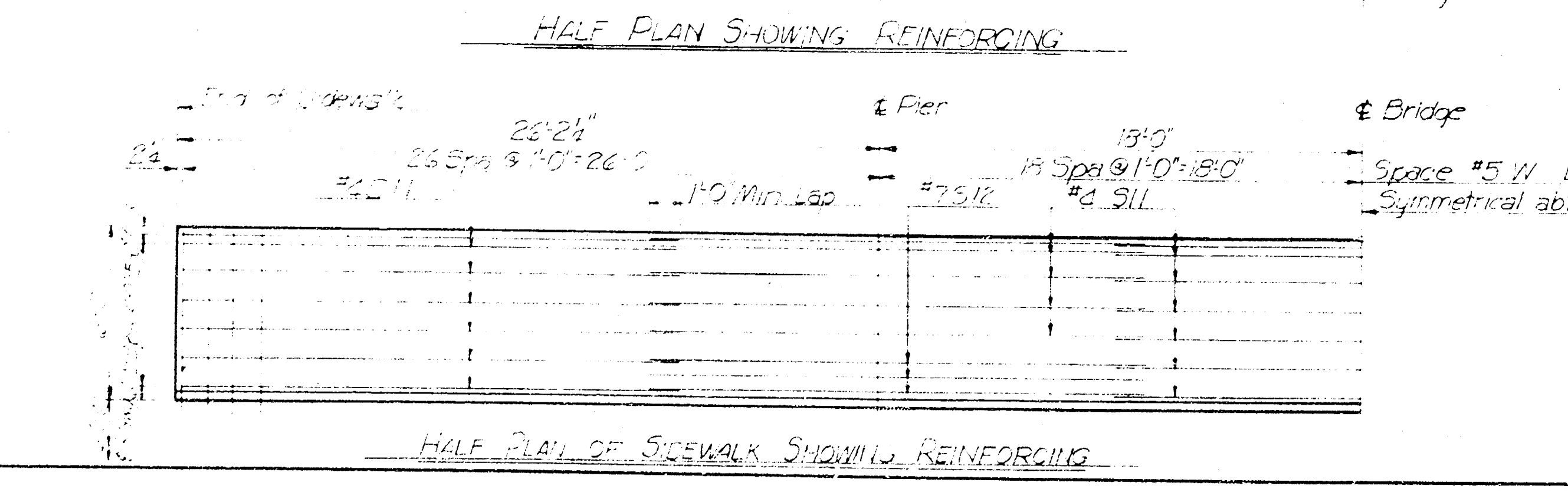
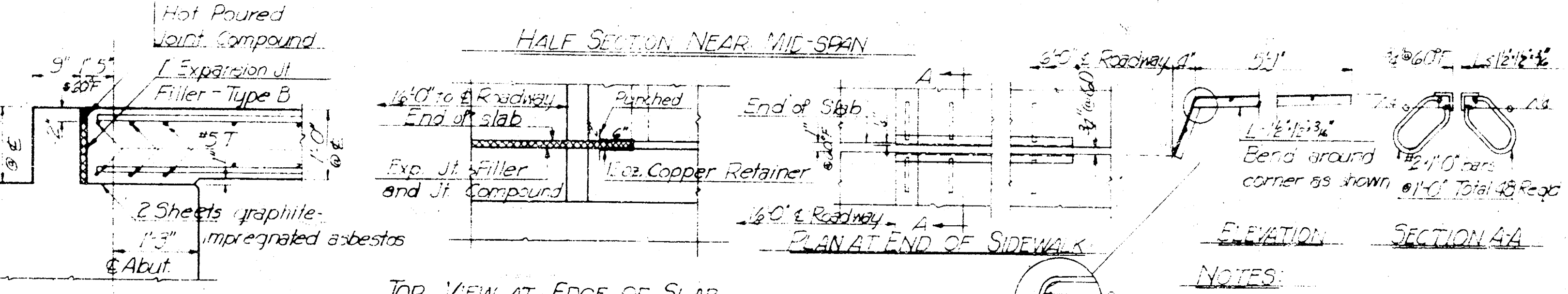
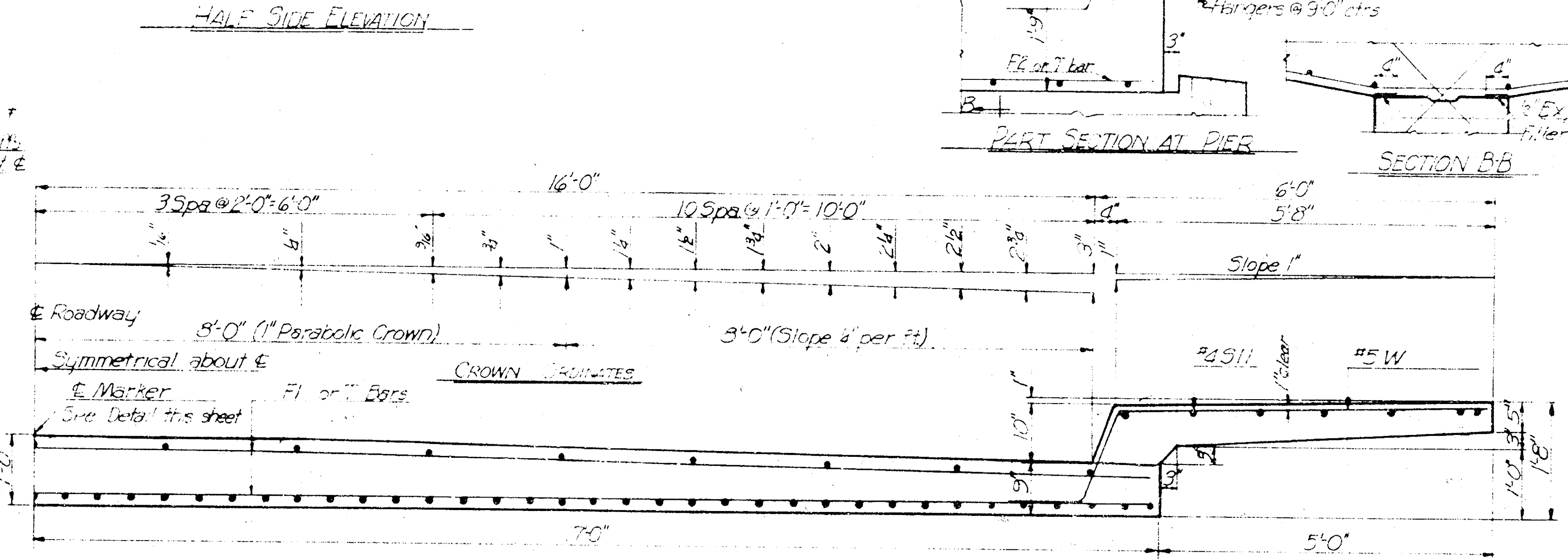
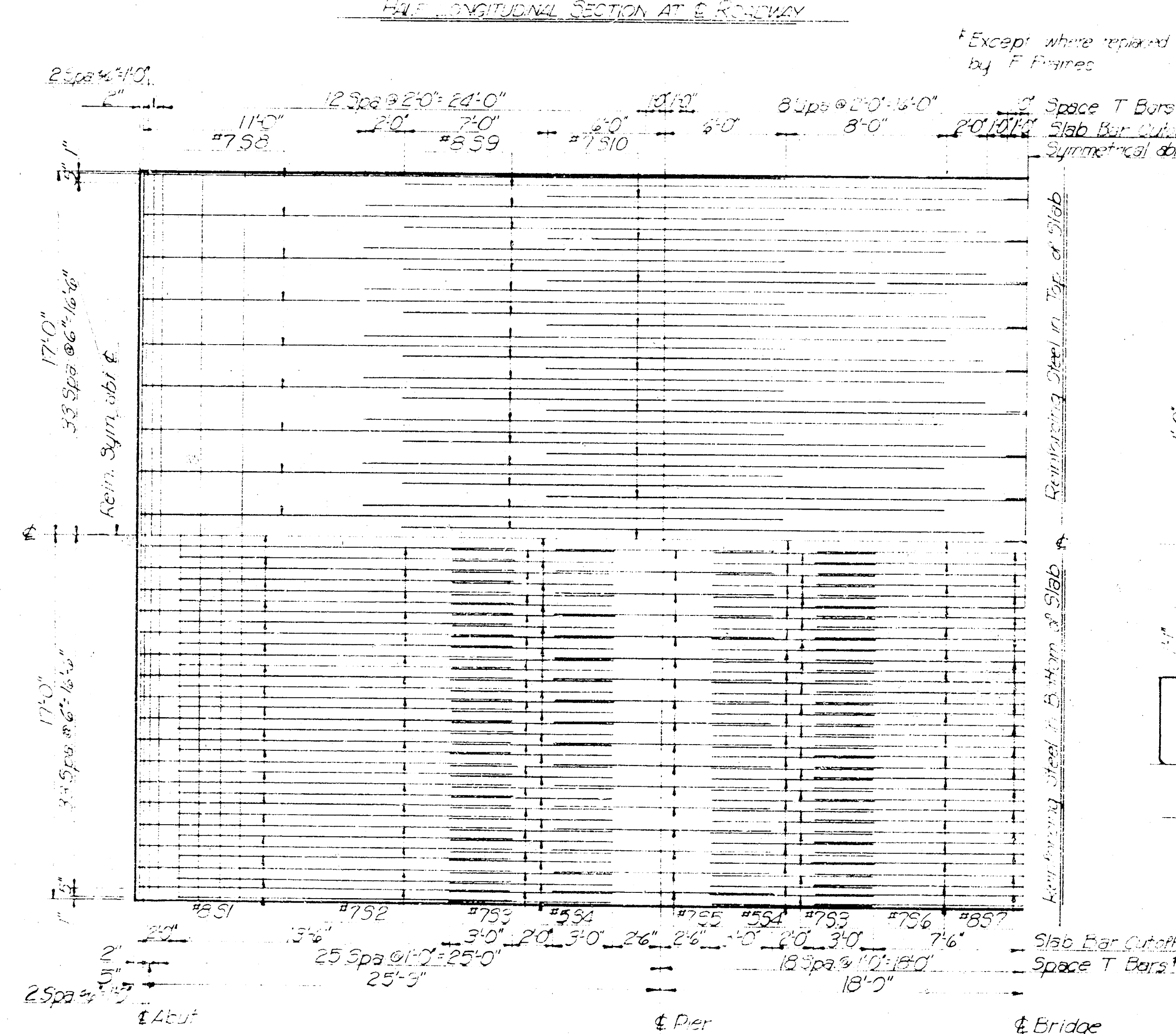
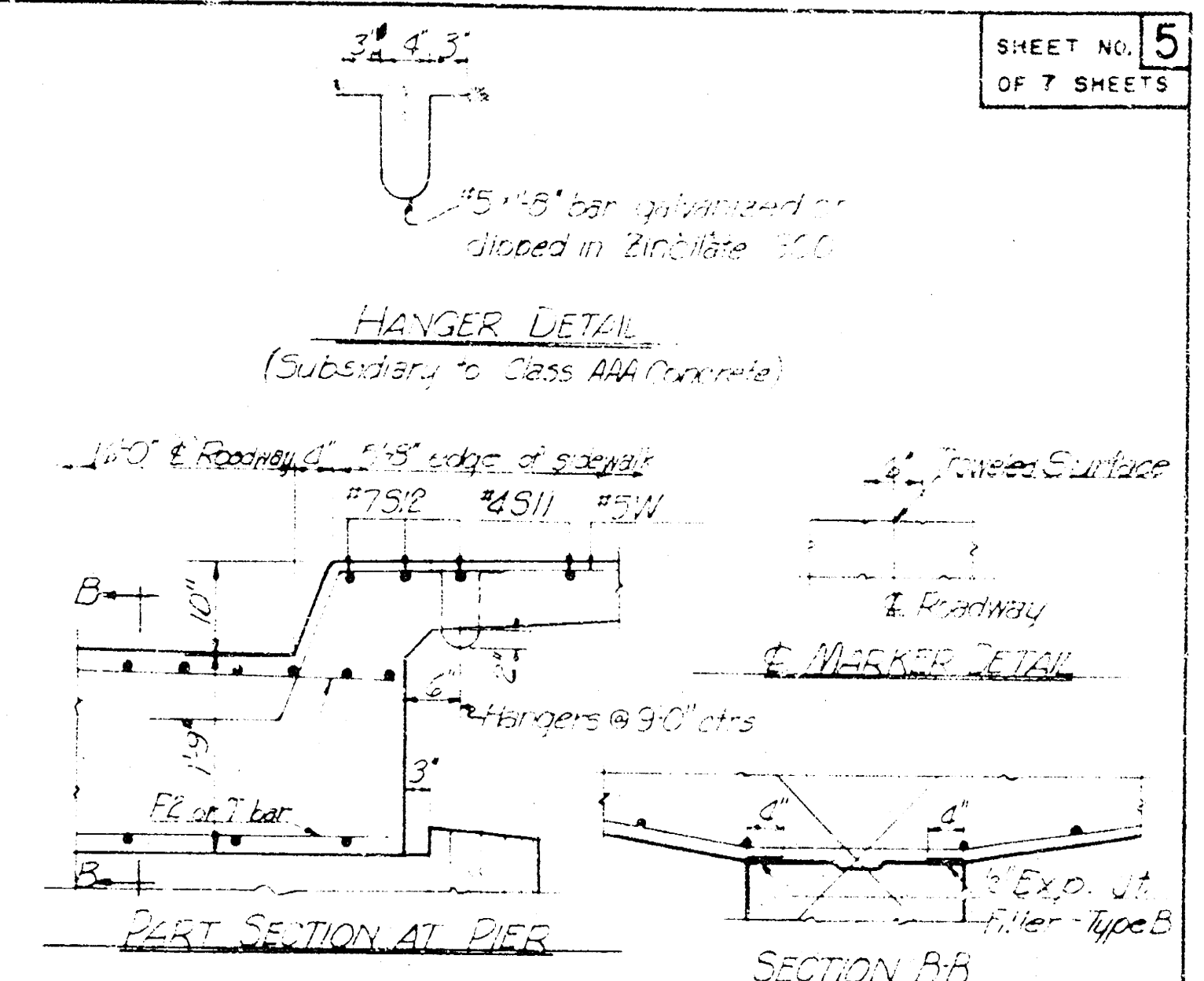
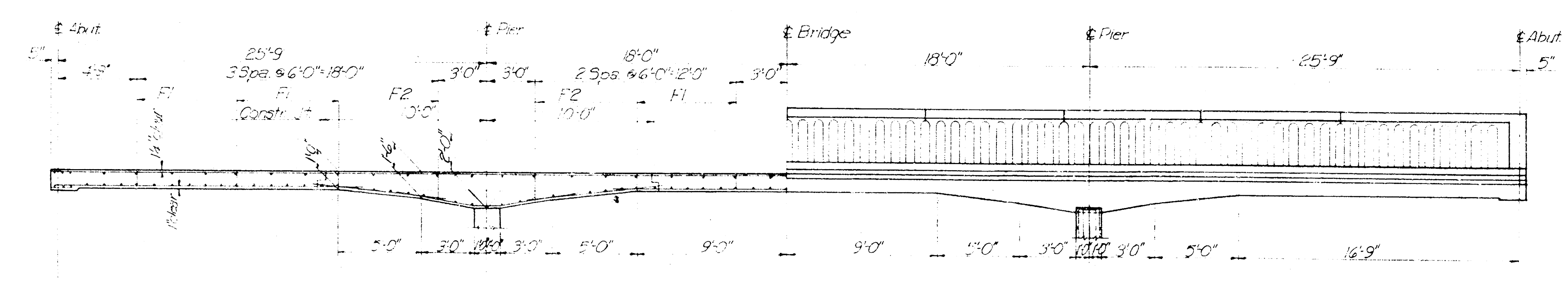


NOTES:
1. Class A concrete shall be used throughout.
2. Bars shall be spaced at 12" o.c. unless otherwise indicated.
3. Dimensions shown relative to reinforcing steel placement are to 6" o.c. bars unless otherwise noted. All dimensions shown in the bending diagrams are out to out of bars.
4. Elevation: 420.44
5. Pile Capacity: 30 tons per pile



Summary of Pier Quantities									
Mark	Pile	Pile	Pile	Pile	Pile	Pile	Pile	Pile	Pile
30	30	12	10	24	21	2			
Size	#5	#5	#5	#5	#5	#5	#5	#5	#5
Length	31'-6"	4'-7"	18'-8"	18'-8"	6'-0"	4'-8"	36'-8"		
Shape									
Class A Concrete 38.8 Cu. Yds.									
Reinforcing Steel 3320 lbs.									
Steel Piles (10 SP42) 156 Lin. Ft.									
Steel Test Pile 30 Lin. Ft.									

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
PIER DETAILS
WASSALL STREET BRIDGE
OVER
DRY CREEK
R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS
DATE: March 1954
SCALE: 1" = 10'-0"
DWG. NO.: 79-D-4



NOTES:

Class AAA concrete shall be used throughout. Severe all exposed edges with 1/2" thick quarter round unless otherwise indicated.

Expansion joint materials and copper retainers are not to be paid for directly but shall be included in the unit price bid for Class AAA concrete.

Design loading: H-20-44

Unit stresses: 1500 psi

Slab construction joints are optional but used shall be at locations shown.

Provide 1/2" dead load center in each span.

See sheet 6 for hanger details.

BAR LIST

Mark	F1	F2	S1	S2	S3	S4	S5	S6	S7
Reinforcing	10	1	18	12	12	120	68	25	34
Length	120'	120'	120'	120'	120'	120'	120'	120'	120'
Weight	120'	120'	120'	120'	120'	120'	120'	120'	120'
Mark	S8	S9	S10	S11	S12	T	W		
Reinforcing	12	12	12	12	12	12	12		
Length	120'	120'	120'	120'	120'	120'	120'		
Weight	120'	120'	120'	120'	120'	120'	120'		

SUMMARY OF QUANTITIES

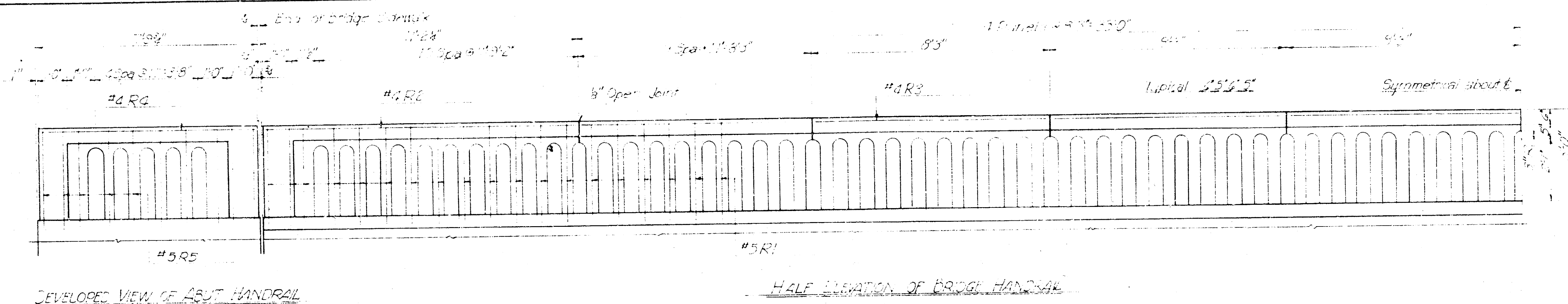
Item	Quantity	Unit
Class AAA Concrete	1433	Cu Yd
Concrete Handrail	116.3	Lin Ft
Reinforcing Steel	3,050	Lbs
Structural Steel	90	Lbs

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER

SLAB DETAILS
WASSALL STREET BRIDGE
OVER
DRY CREEK

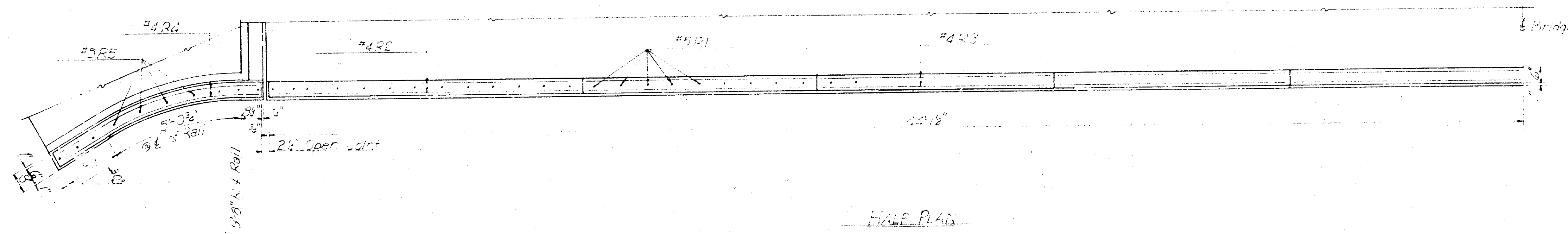
R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE: March, 1954
SCALE: DWG. NO. 79-D-5

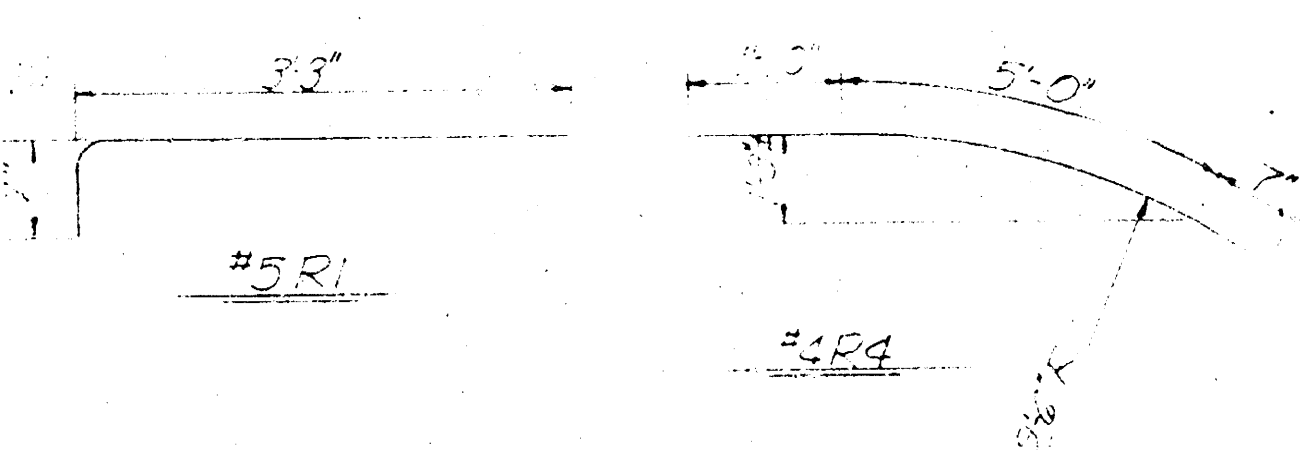


DEVELOPED VIEW OF ABUT HANDRAIL

HALF ELEVATION OF BRIDGE HANDRAIL



HALF PLAN

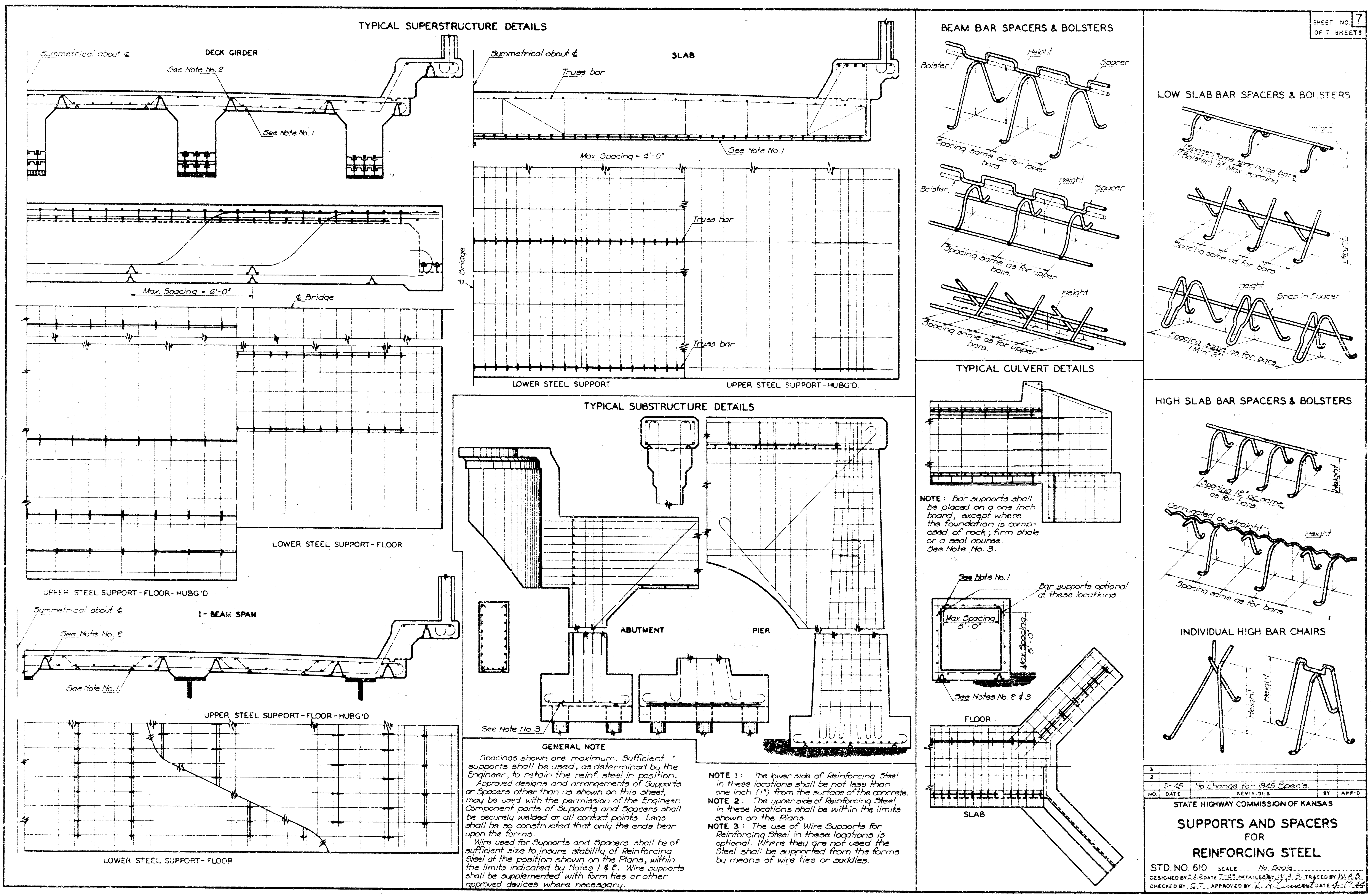


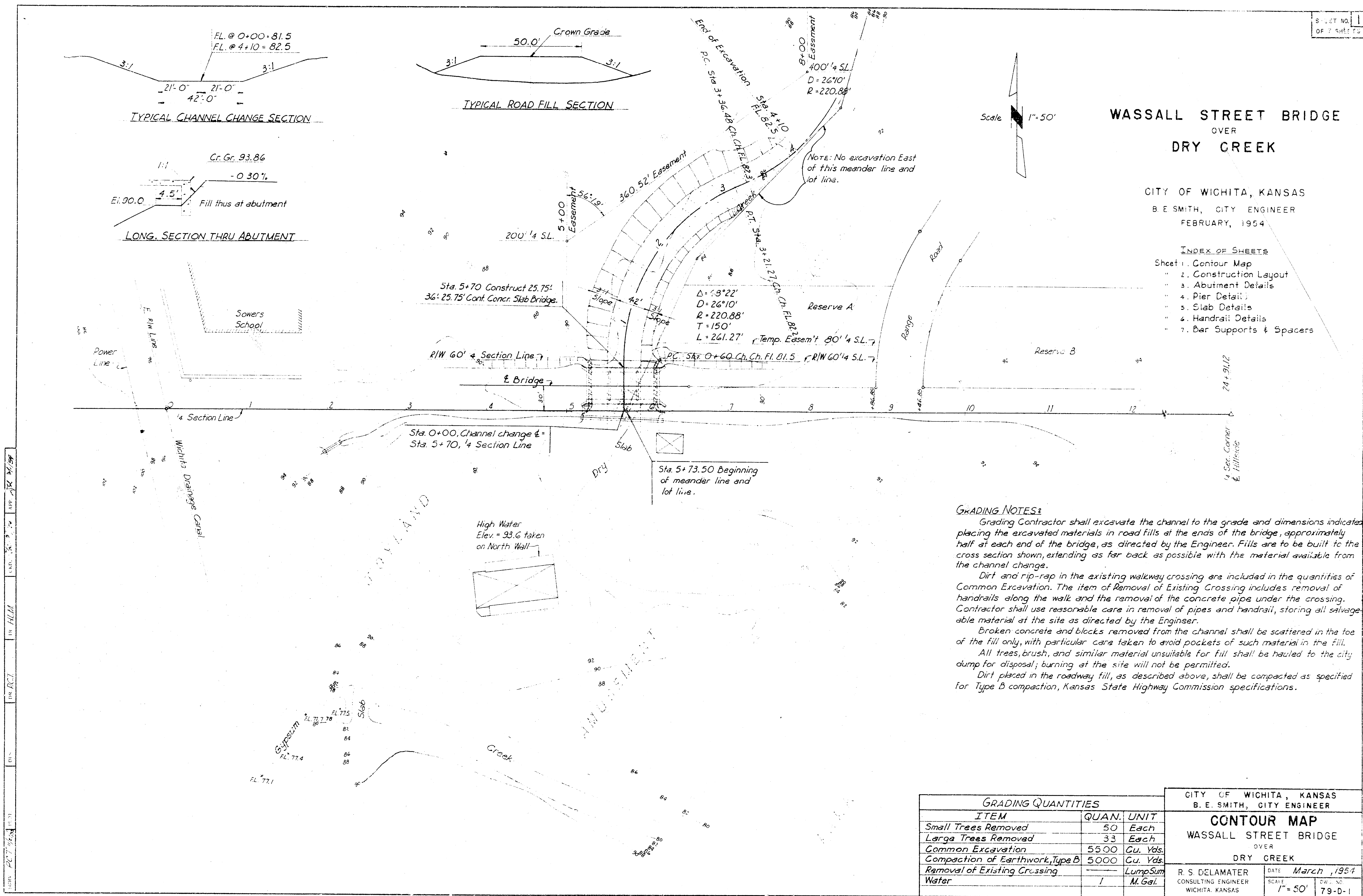
BAR LIST					
Mark	R1	R2	R3	R4	R5
Qty	196	9	4	8	40
Size	#4	#4	#4	#4	#5
Length	5'-0"	7'-0"	3'-0"	7'-5"	3'-0"
Shape					
SUMMARY OF QUANTITIES					
Class A Concrete	5 cu yd				
Reinforcing Steel	1210 lbs.				

NOTES:
 All concrete used in the handrail shall be Class A.
 Steel all exposed edges with a 1/2" triangular molding unless otherwise indicated.
 Bid item "Concrete Handrail" shall include all Class A Concrete and reinforcing steel in handrail concrete in place as shown on this sheet.
 Concrete Handrail shall be bid on basis of linear feet in place. The Class A Concrete and Reinforcing Steel quantities shown on this sheet are for Contractors information only.

CITY OF WICHITA, KANSAS	
B. E. SMITH, CITY ENGINEER	
HANDRAIL DETAILS	
WASSALL STREET BRIDGE	
OVER DRY CREEK	
R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS	DATE March 1954 SCALE 1/2"=1'-0" DWG. NO. 7940-6

DATE 3/1/54
BY R. S. DELAMATER
CHECKED BY B. E. SMITH
APPROVED BY B. E. SMITH
PLANT
SURV.







MEASURED QUANTITIES FOR FINAL ESTIMATES ON PAVING

STREET NAME		FROM		TO		CONCRETE		KIND OF PAVING	
LINE	NO.	ADJ.	DI.	AL. W. ST.	ADJ.	PAVING	PAVING	PAVING	PAVING

PAVING

PAVING

PAVING