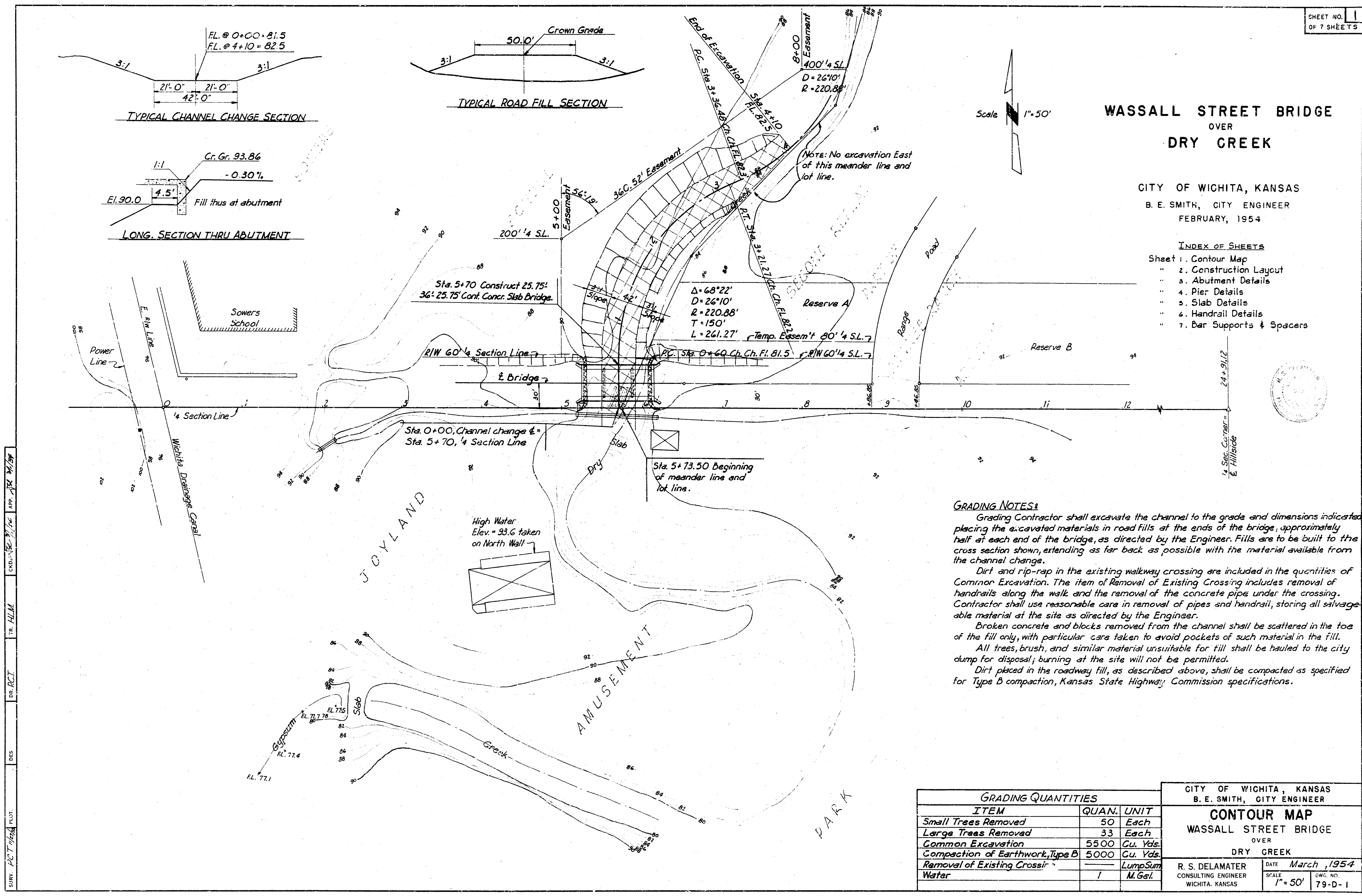




SHEET NO. 1
OF 7 SHEETS

WASSALL STREET BRIDGE
OVER
DRY CREEK

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
FEBRUARY, 1954

- INDEX OF SHEETS
- Sheet 1. Contour Map
 - " 2. Construction Layout
 - " 3. Abutment Details
 - " 4. Pier Details
 - " 5. Slab Details
 - " 6. Handrail Details
 - " 7. Bar Supports & Spacers

GRADING NOTES:

Grading Contractor shall excavate the channel to the grade and dimensions indicated placing the excavated materials in road fills at the ends of the bridge, approximately half at each end of the bridge, as directed by the Engineer. Fills are to be built to the cross section shown, extending as far back as possible with the material available from the channel change.

Dirt and rip-rap in the existing walkway crossing are included in the quantities of Common Excavation. The item of Removal of Existing Crossing includes removal of handrails along the walk and the removal of the concrete pipe under the crossing. Contractor shall use reasonable care in removal of pipes and handrail, storing all salvageable material at the site as directed by the Engineer.

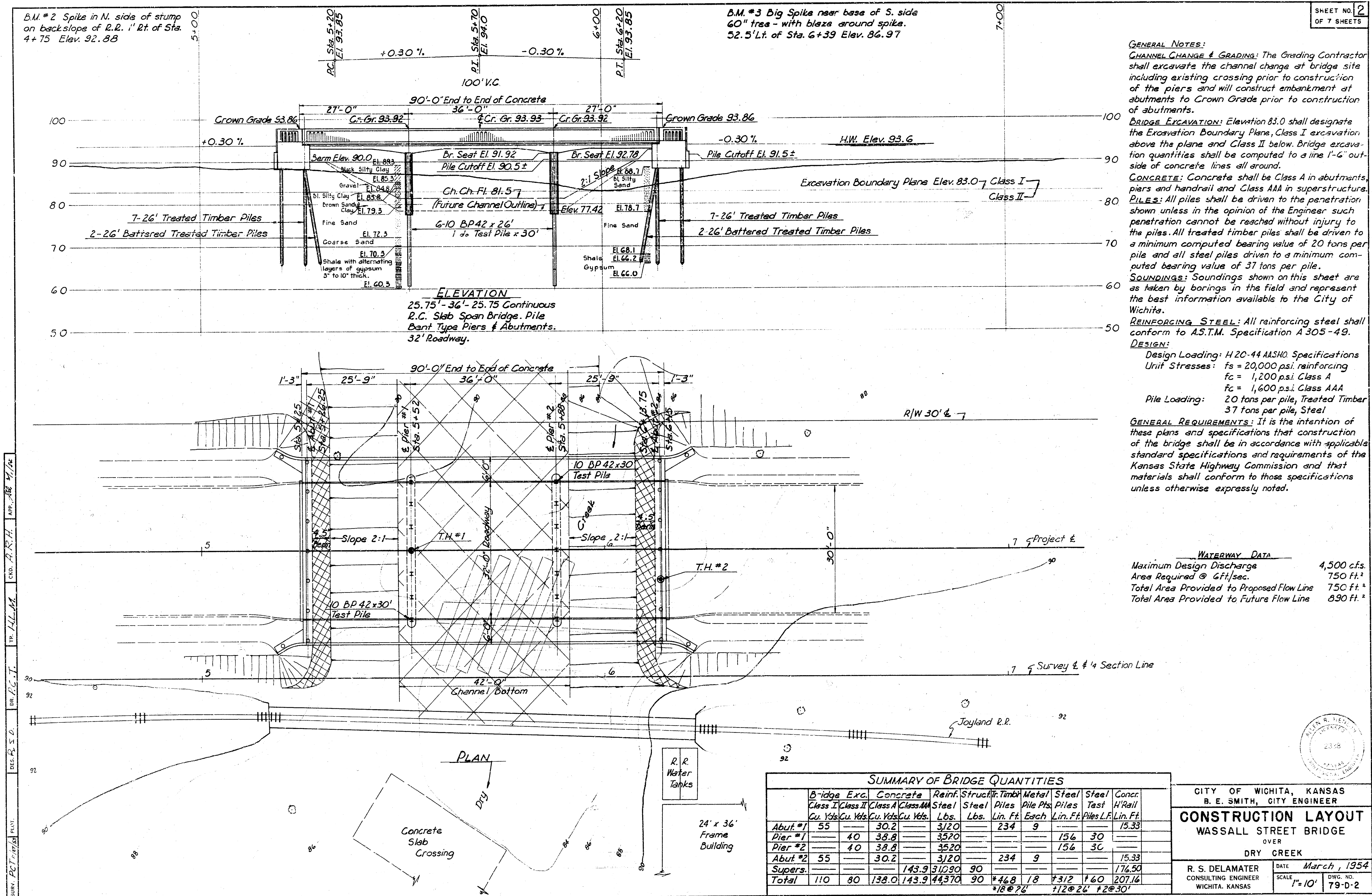
Broken concrete and blocks removed from the channel shall be scattered in the toe of the fill only, with particular care taken to avoid pockets of such material in the fill.

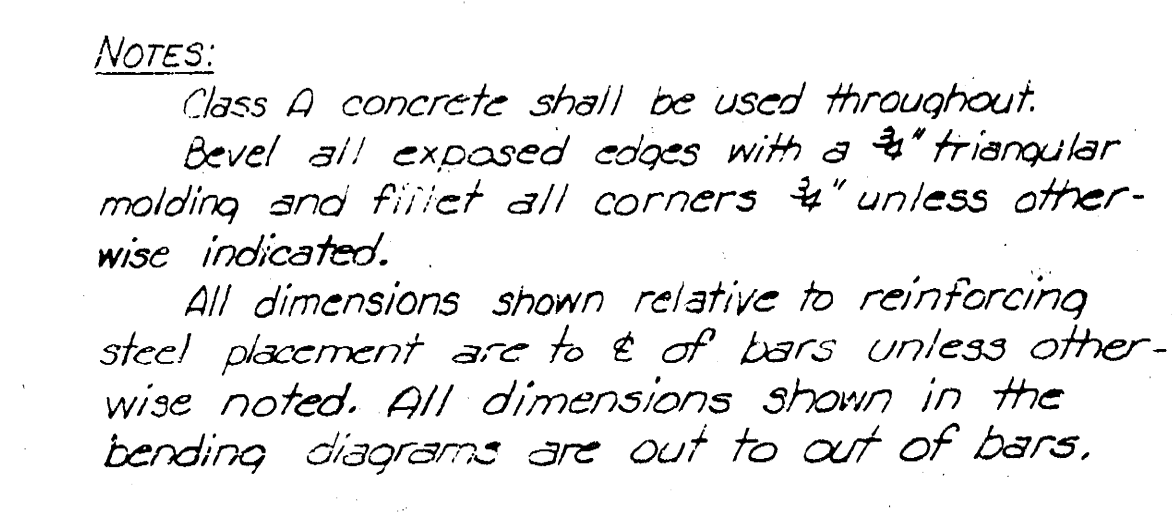
All trees, brush, and similar material unsuitable for fill shall be hauled to the city dump for disposal; burning at the site will not be permitted.

Dirt placed in the roadway fill, as described above, shall be compacted as specified for Type B compaction, Kansas State Highway Commission specifications.

GRADING QUANTITIES		
ITEM	QUAN.	UNIT
Small Trees Removed	50	Each
Large Trees Removed	33	Each
Common Excavation	5500	Cu. Yds.
Compaction of Earthwork, Type B	5000	Cu. Yds.
Removal of Existing Crossing	1	Lump Sum
Water		M. Gal.

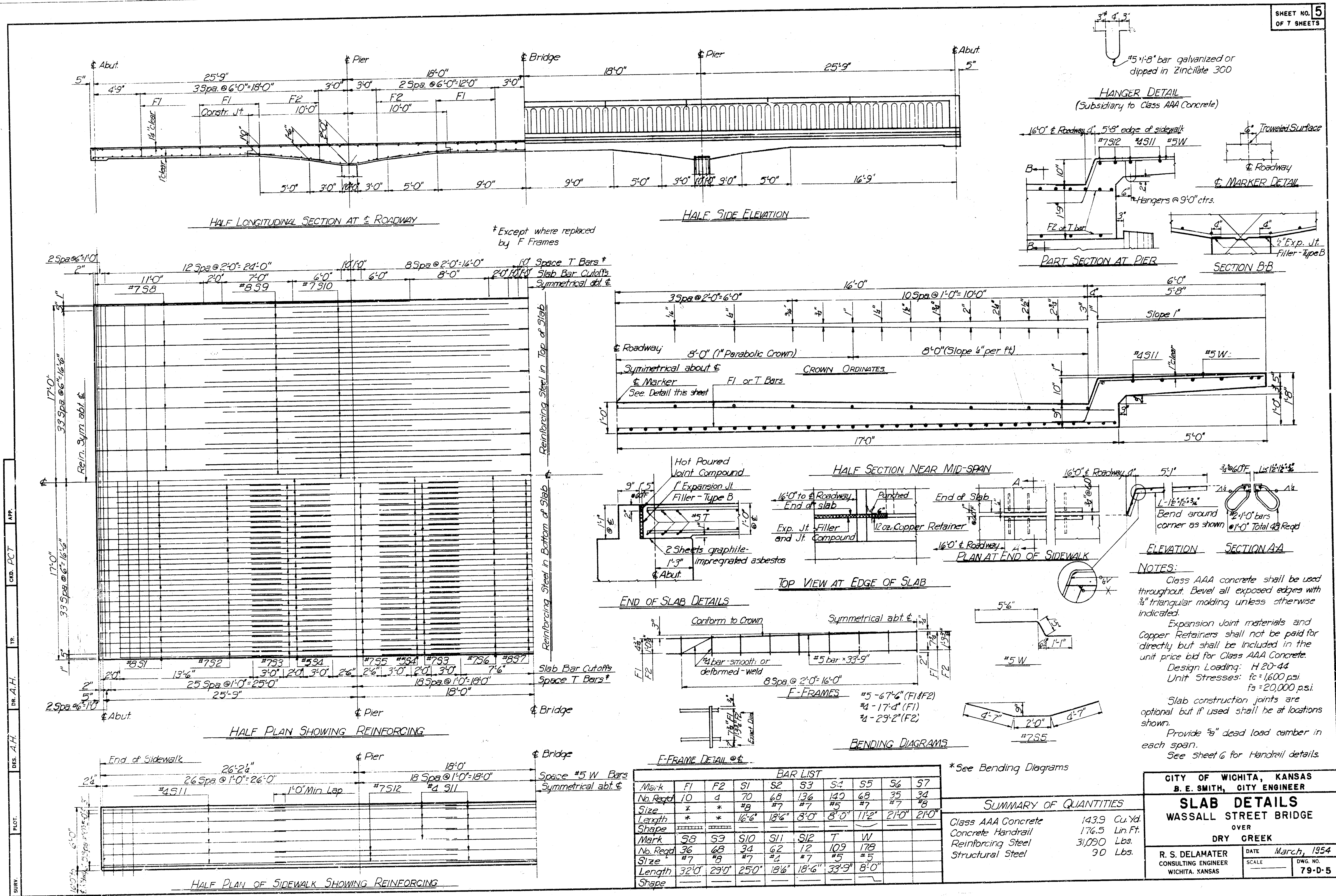
CITY OF WICHITA, KANSAS B. E. SMITH, CITY ENGINEER	
CONTOUR MAP WASSALL STREET BRIDGE OVER DRY CREEK	
R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS	DATE March, 1954 SCALE 1"=50' DWG. NO. 79-D-1

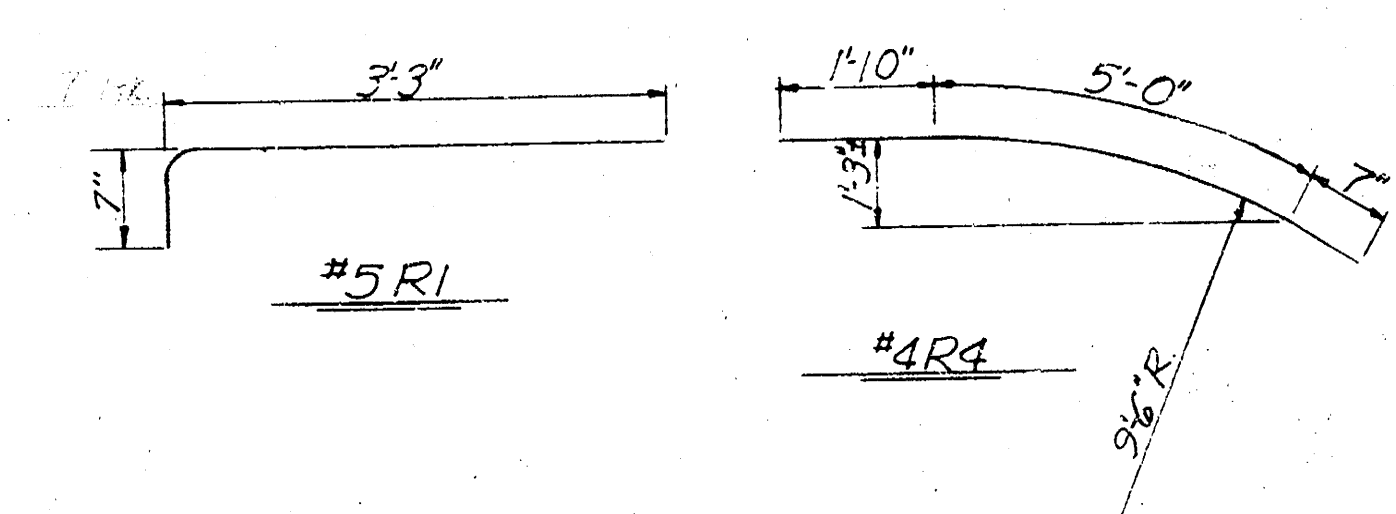
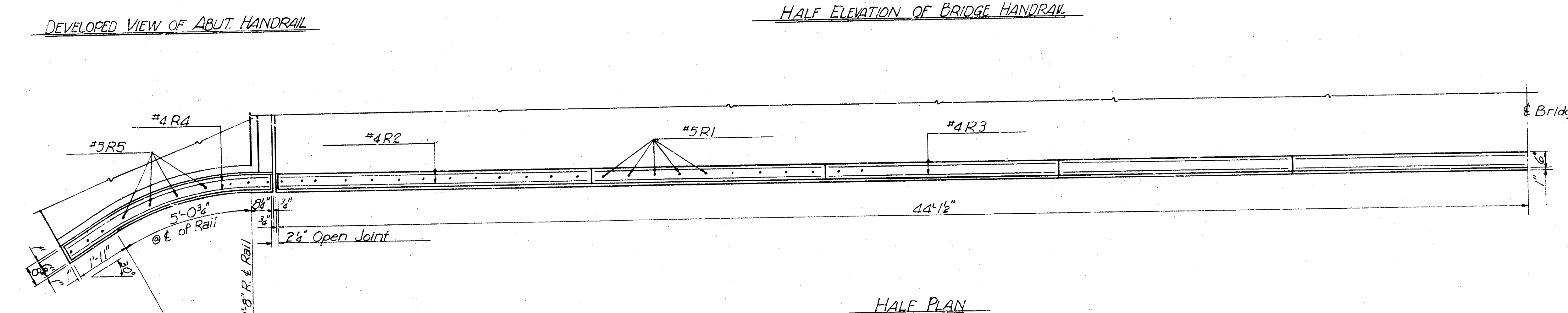
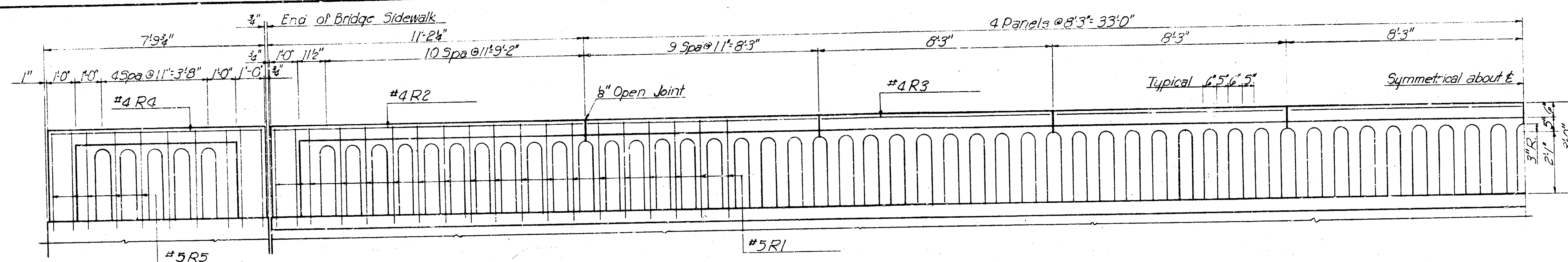




SUMMARY OF PIER QUANTITIES							
Mark	P#1	P#2	P#3	P#1	P#2	P#1	P#2
No. Rebar	30	30	42	70	42	21	21
Size	#5	#5	#5	#6	#6	#5	#4
Length	34'-6"	4'-7"	18'-8"	14'-2"	4'-0"	6'-8"	36'-2"
Shape							
Class A Concrete				36.8 Cu. Yds.			
Reinforcing Steel				3520 Lbs.			
Steel Piles (10 BP42)				156 Lin. Ft.			
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: <i>March, 195</i> DWG. NO. <i>79-D-4</i>





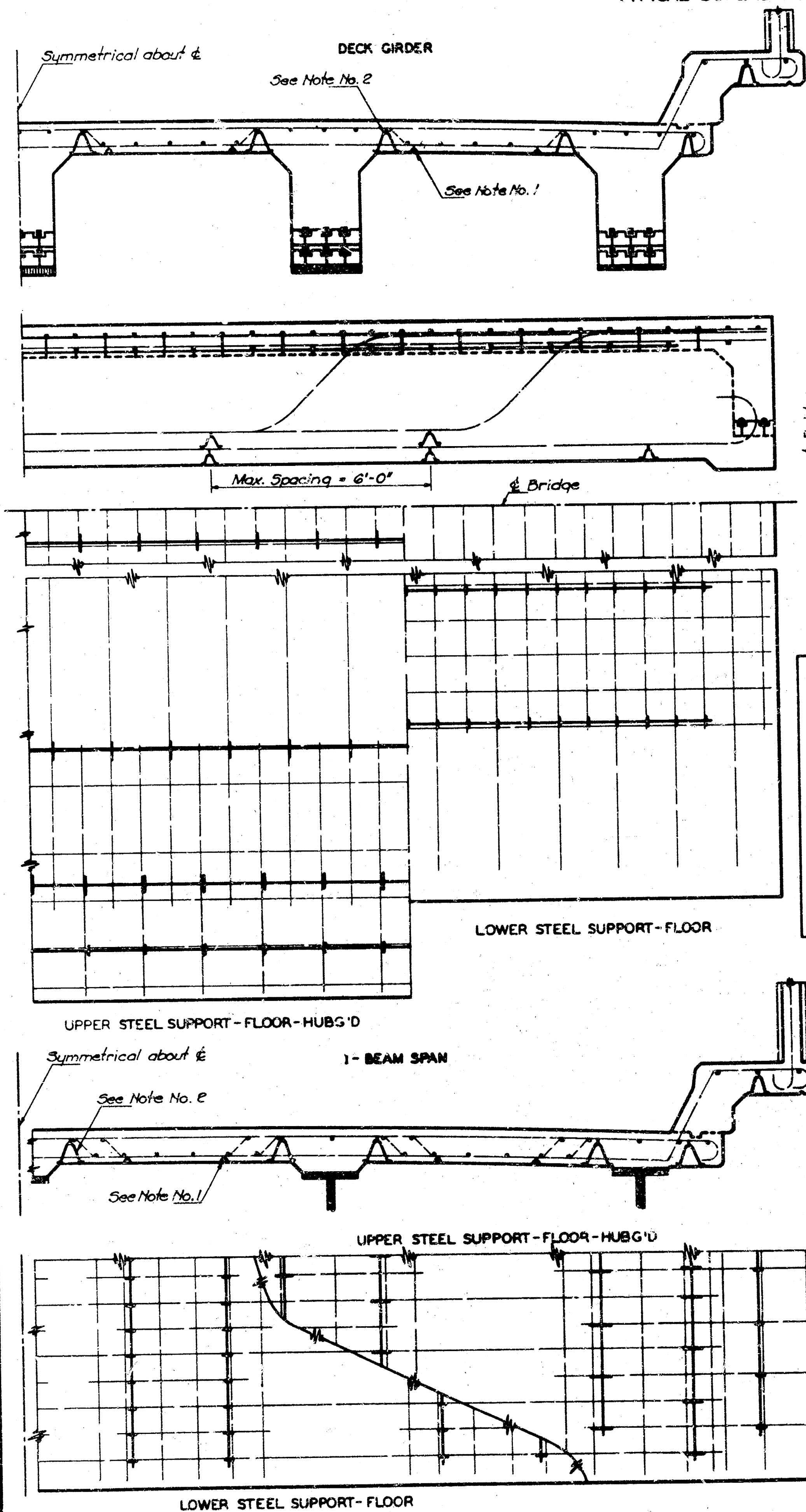
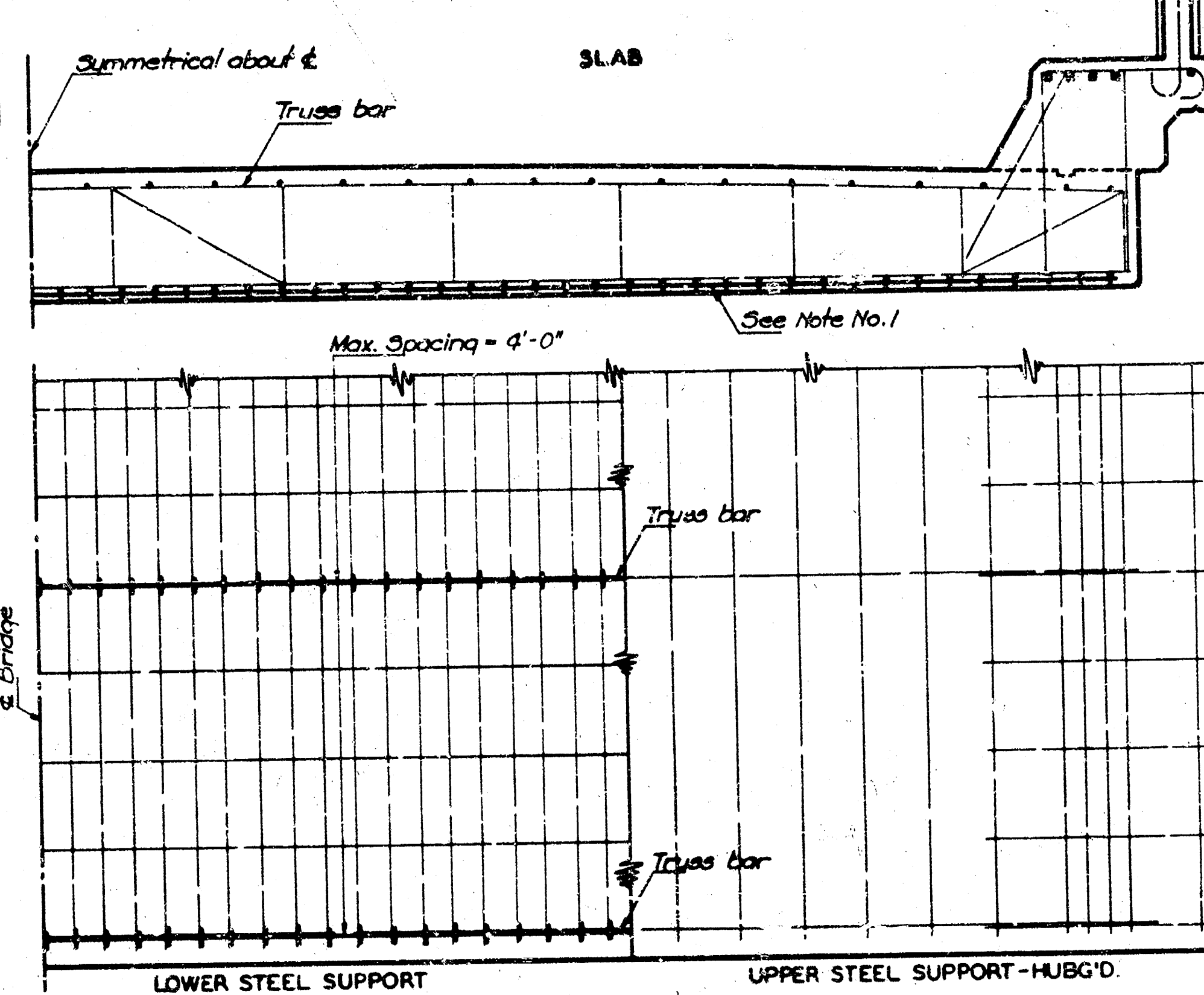
BAR LIST					
Mark	R1	R2	R3	R4	R5
No. Reqd	196	8	32	8	40
Size	#5	#4	#4	#4	#5
Length	3'-10"	1'-10"	8'-0"	7'-5"	3'-10"
Shape					
SUMMARY OF QUANTITIES					
Class A Concrete	5.6 Cu Yd.				
Reinforcing Steel	1210 Lbs.				

NOTES:
 All concrete used in the handrail shall be Class A.
 Bevel 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 complete 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.

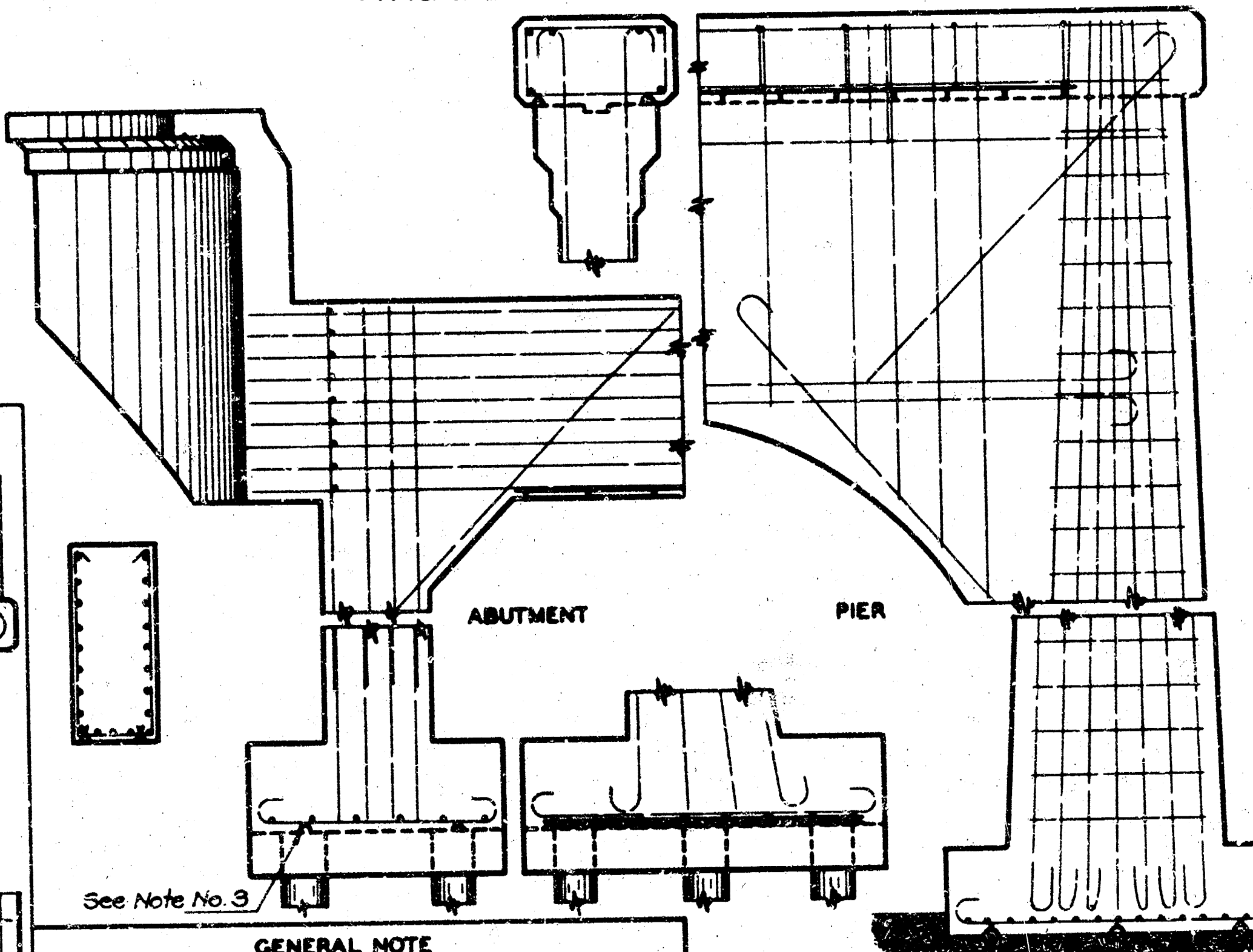
CITY OF WICHITA, KANSAS B. E. SMITH, CITY ENGINEER	
HANDRAIL DETAILS WASSALL STREET BRIDGE OVER DRY CREEK	
R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS	DATE March 1954 SCALE 1/2"=1'-0" DWG. NO. 79-D-6

SURV. PLOT DES. DR. ALH. IN. CUB. PCY. APP. RE. 7/1/54

TYPICAL SUPERSTRUCTURE DETAILS

**SLAB**

TYPICAL SUBSTRUCTURE DETAILS

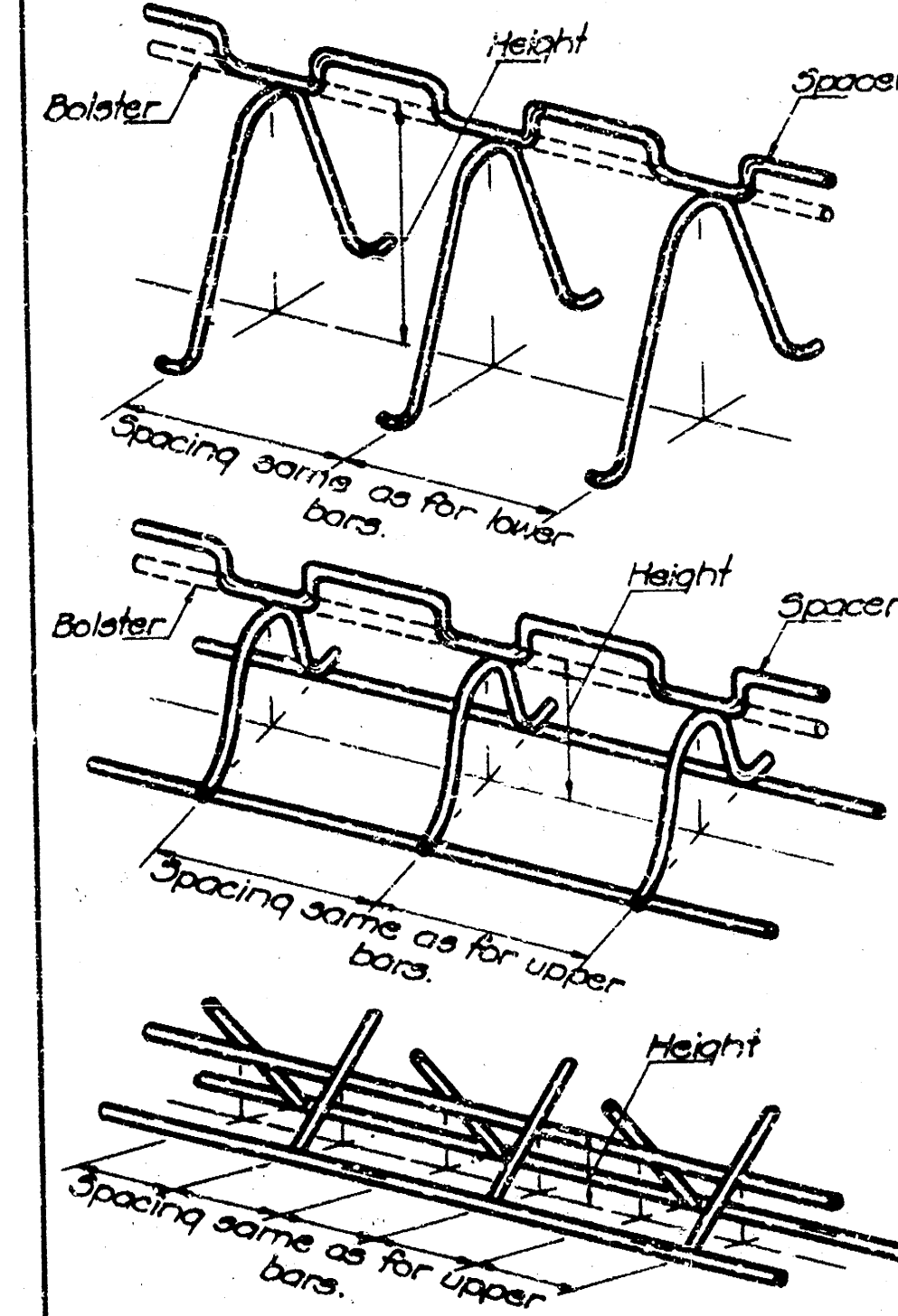


GENERAL NOTE

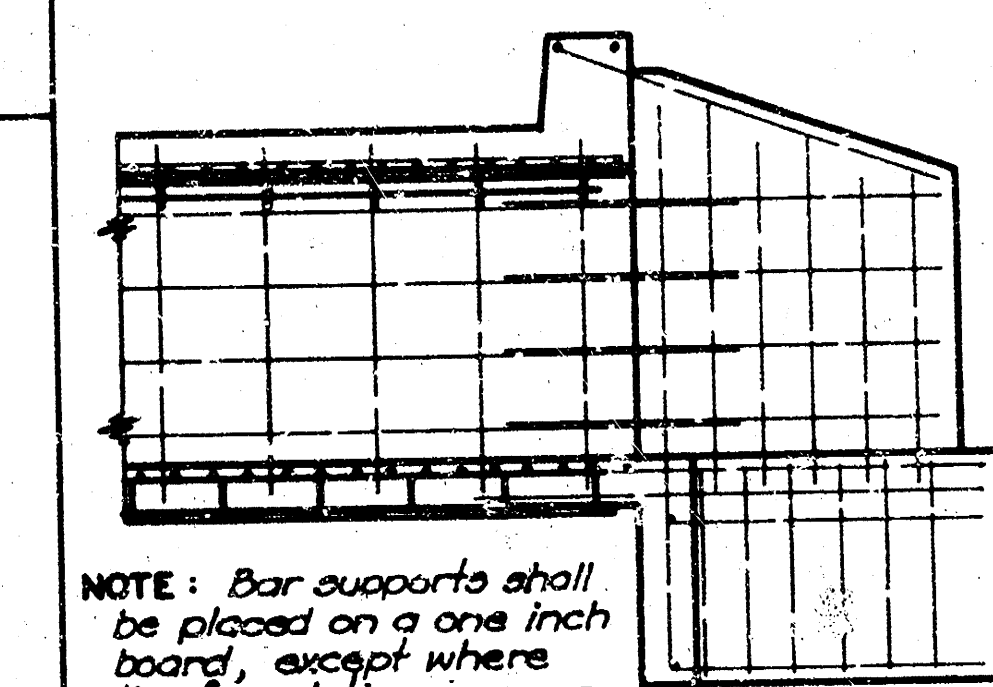
Spacings shown are maximum. Sufficient supports shall be used, as determined by the Engineer, to retain the reinf. steel in position. Approved designs and arrangements of Supports or Spacers other than as shown on this sheet, may be used with the permission of the Engineer. Component parts of the supports or spacers shall be welded at all contact points. Legs shall be so constructed that only the ends bear upon the forms.

Wire used for Supports and Spacers shall be of sufficient size to insure stability of reinforcing steel at the position shown. Plans within the limits indicated in Note 1 § E. Wire supports shall be supplemented with ties or other approved devices where necessary.

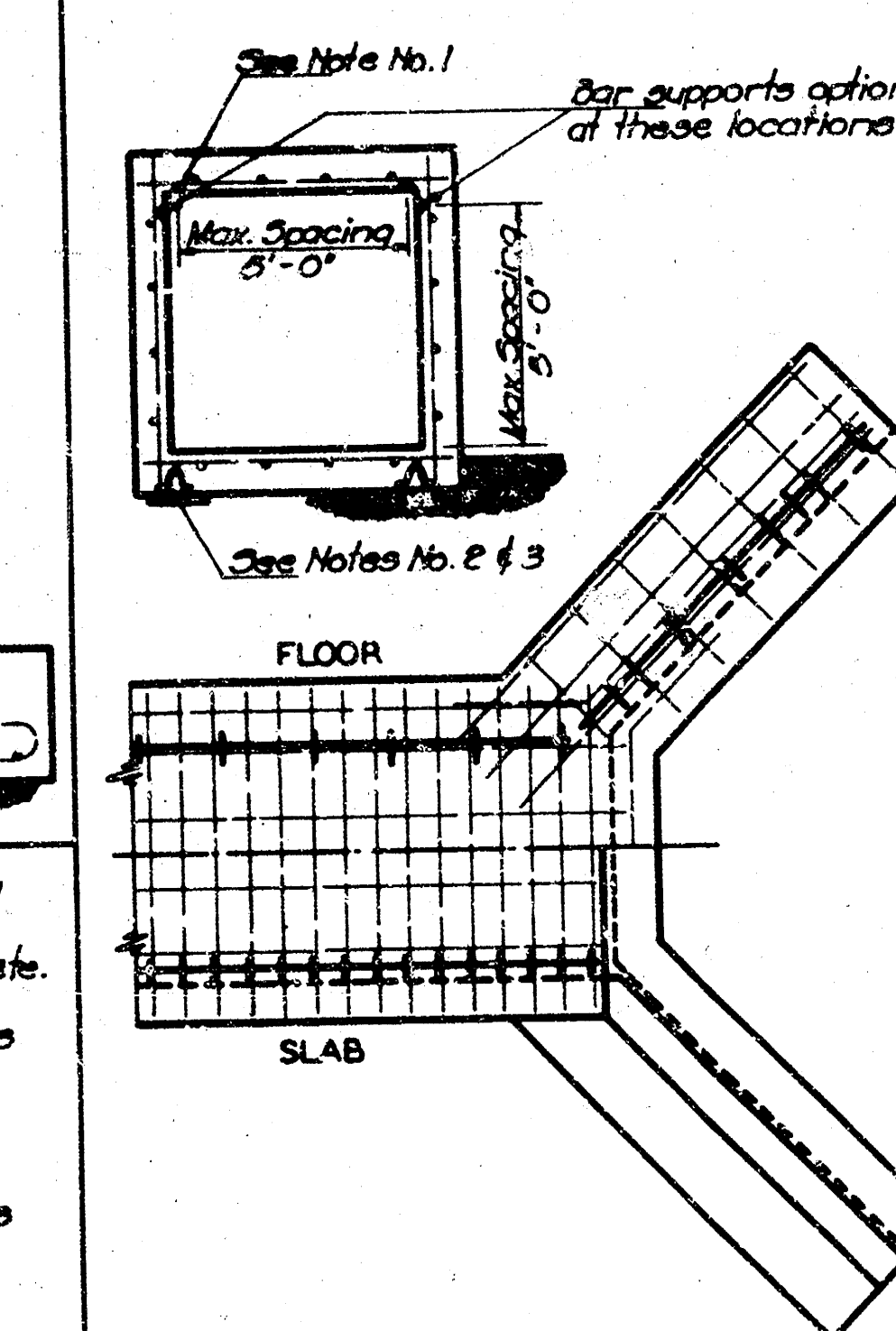
BEAM BAR SPACERS & BOLSTERS



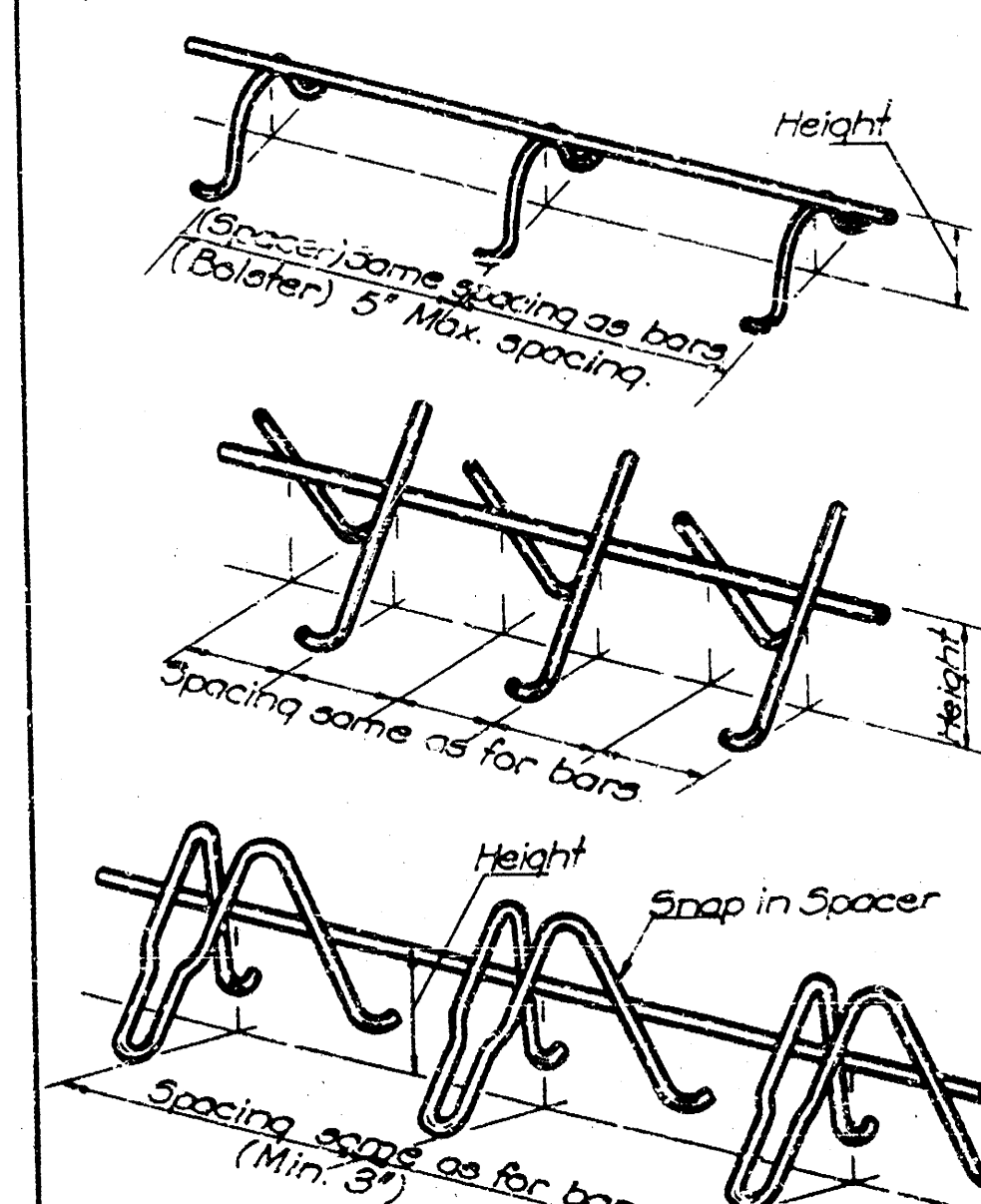
TYPICAL CULVERT DETAILS



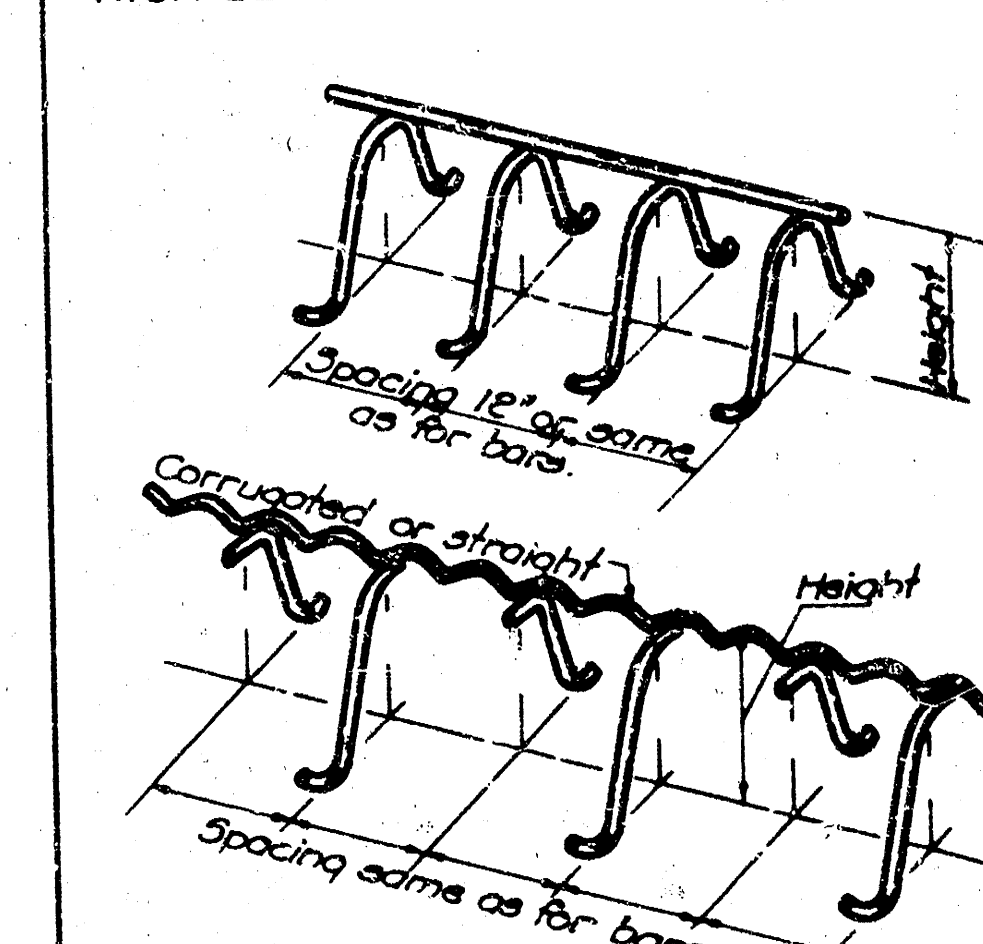
NOTE: Bar supports shall be placed on a one inch board, except where the foundation is composed of rock, firm sand or a seal course.
See Note No. 3.



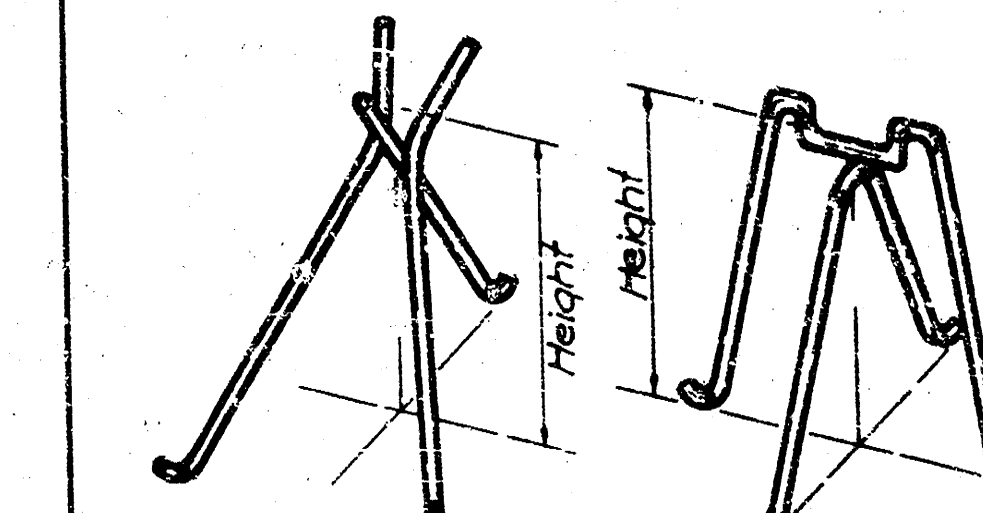
LOW SLAB BAR SPACERS & BOLSTERS



HIGH SLAB BAR SPACERS & BOLSTERS



INDIVIDUAL HIGH BAR CHAIRS



3					
2					
1	3-26	No change for 1945 Spec's			
NO DATE		REVISION		BY	APP'D

STATE HIGHWAY CO. MISSION OF KANSAS

SUPPORTS AND SPACERS

FOR

REINFORCING STEEL

STD. NO. 610 SCALE No Scale

DESIGNED BY S. B. Z. 7-25 DETAILING BY M. A. S. TRACED BY M. A. S.

CHECKED BY G. C. APPROVED BY L. A. Howard DATE 4-17-46