

CITY OF WICHITA



SEDGWICK COUNTY, KANSAS

# GREIFFENSTEIN BRIDGE

PART I  
GRADING  
DRAINAGE  
PAVING

PART II  
BRIDGE

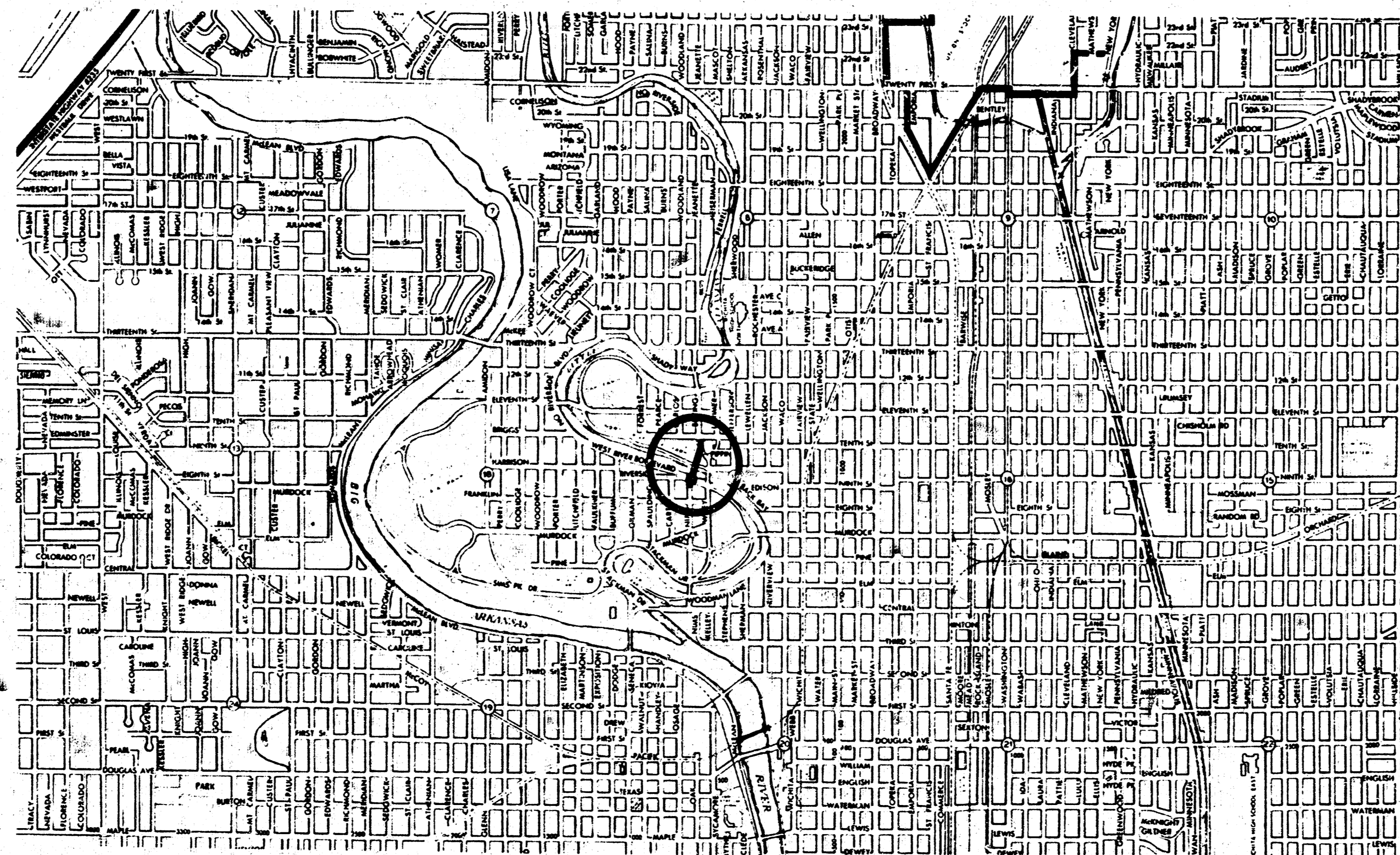
## INDEX OF SHEETS

### PART I

- TITLE SHEET
- 1-1 GENERAL LAYOUT
- 1-2 GRADING & DRAINAGE - PLAN & PROFILE
- 1-3 GRADING PLAN - ALTERNATES 1 & 2
- 1-4 TYPICAL SECTIONS
- 1-5 HEADWALL & MANHOLE DETAILS
- 1-6 DRAINAGE DETAILS

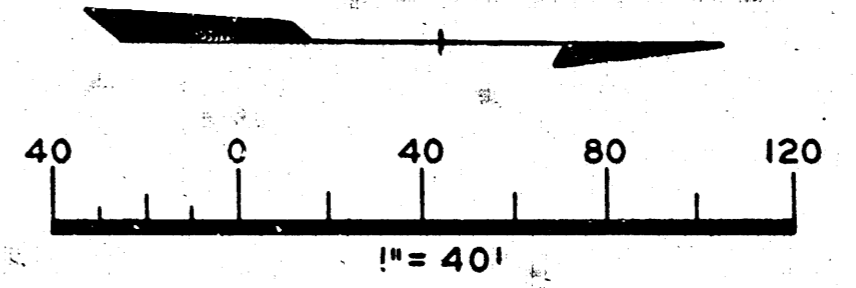
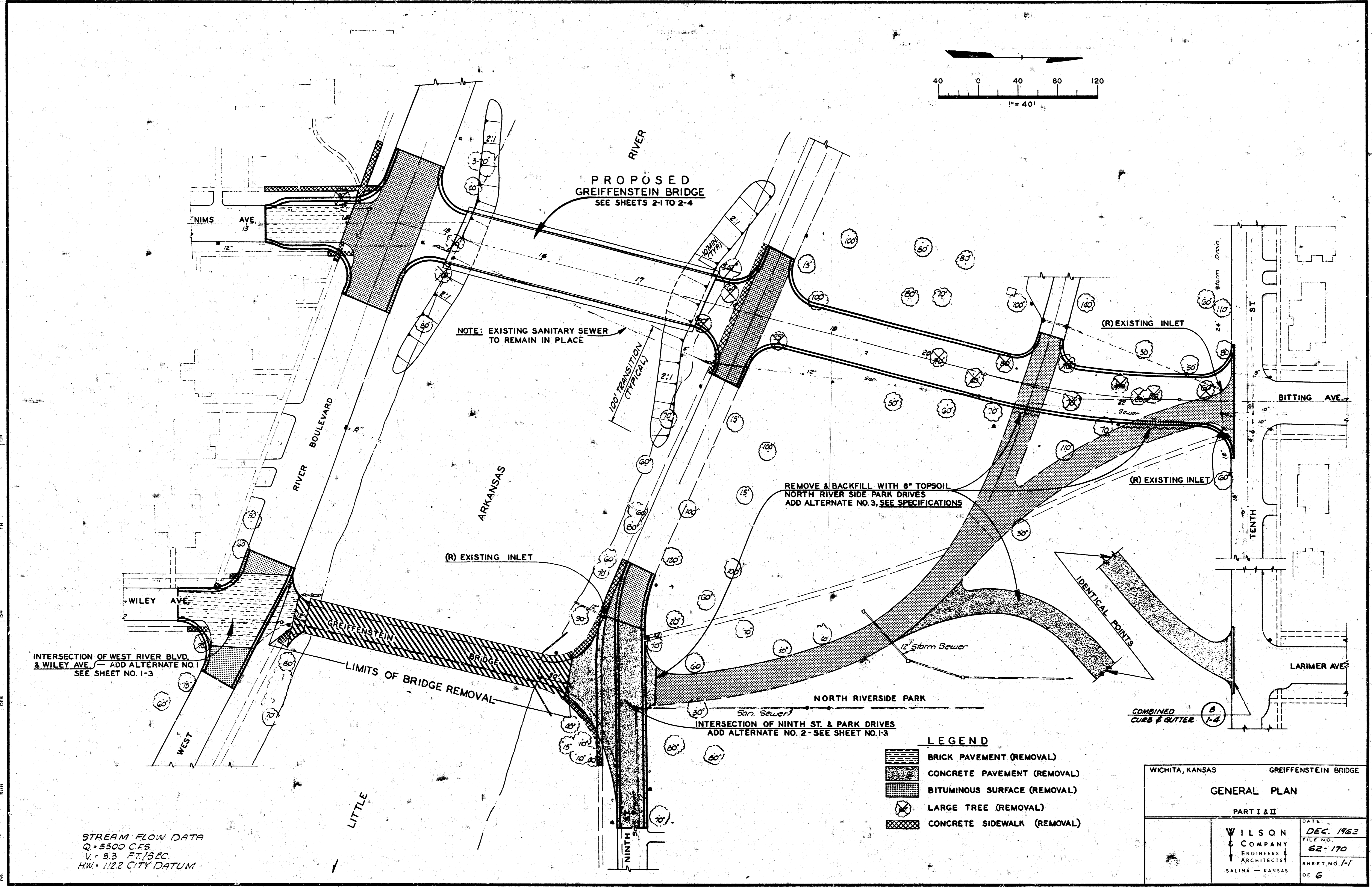
### PART II

- 2-1 BRIDGE CONSTRUCTION LAYOUT
- 2-2 ABUTMENT & MISC. DETAILS
- 2-3 PIER & MISC. DETAILS
- 2-4 DECK REINFORCING



LITTLE ARKANSAS RIVER CROSSING

1962



INTERSECTION OF WEST RIVER BLVD.  
& WILEY AVE. — ADD ALTERNATE NO. 1  
SEE SHEET NO. 1-3

STREAM FLOW DATA  
Q = 5500 C.F.S.  
V = 3.3 FT/SEC.  
HW = 1122 CITY DATUM

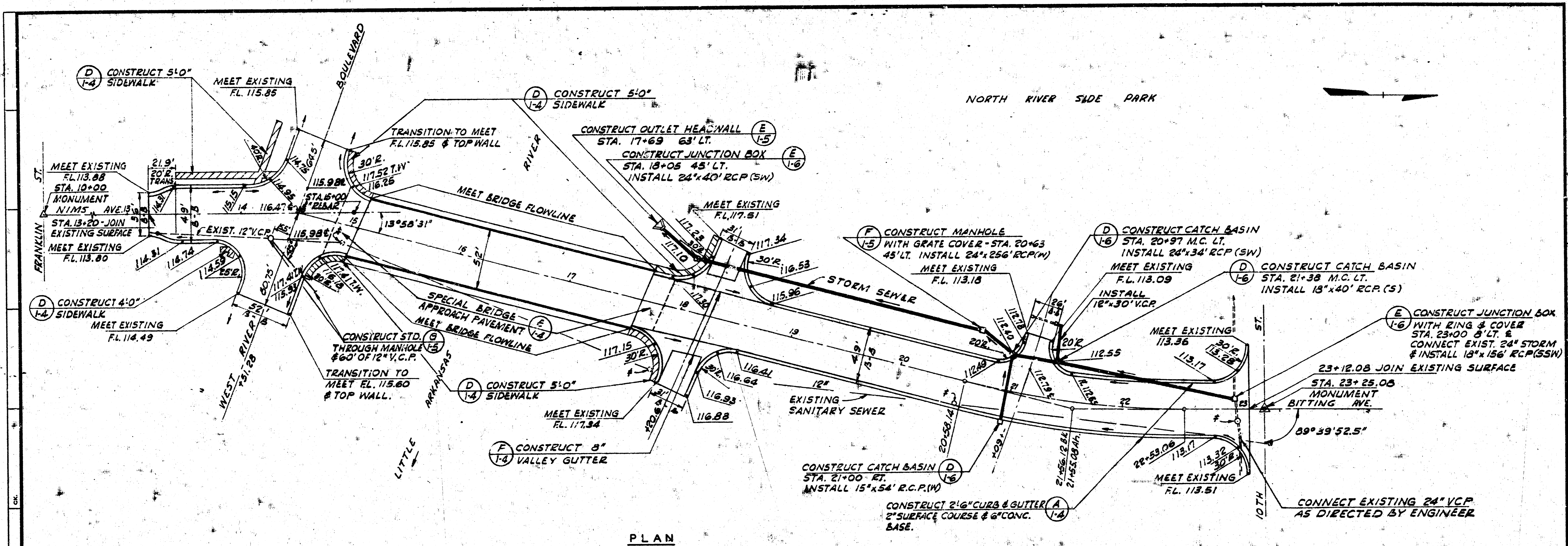
NOTE: EXISTING SANITARY SEWER  
TO REMAIN IN PLACE

REMOVE & BACKFILL WITH 8\"/>

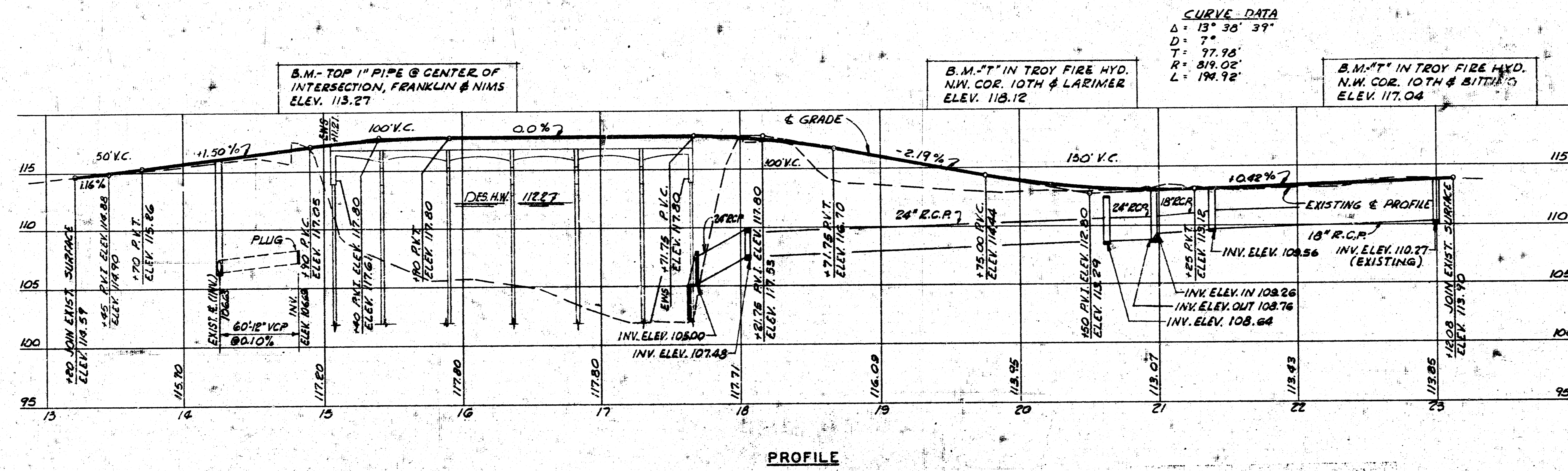
INTERSECTION OF NINTH ST. & PARK DRIVES  
ADD ALTERNATE NO. 2 — SEE SHEET NO. 1-3

- LEGEND**
- BRICK PAVEMENT (REMOVAL)
  - CONCRETE PAVEMENT (REMOVAL)
  - BITUMINOUS SURFACE (REMOVAL)
  - LARGE TREE (REMOVAL)
  - CONCRETE SIDEWALK (REMOVAL)

WICHITA, KANSAS		GREIFFENSTEIN BRIDGE	
<b>GENERAL PLAN</b>			
PART I & II			
<b>WILSON</b> COMPANY ENGINEERS & ARCHITECTS SALINA — KANSAS	DATE	DEC. 1962	
	TITLE NO.	62-170	
	SHEET NO.	1-1	
	OF	6	



PLAN

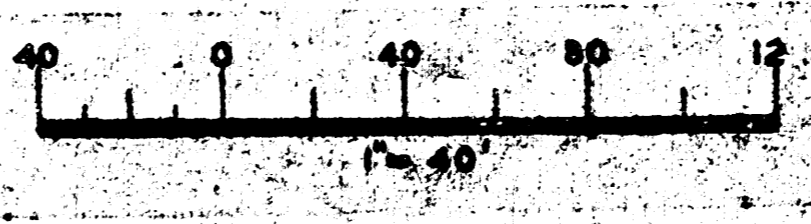


PROFILE

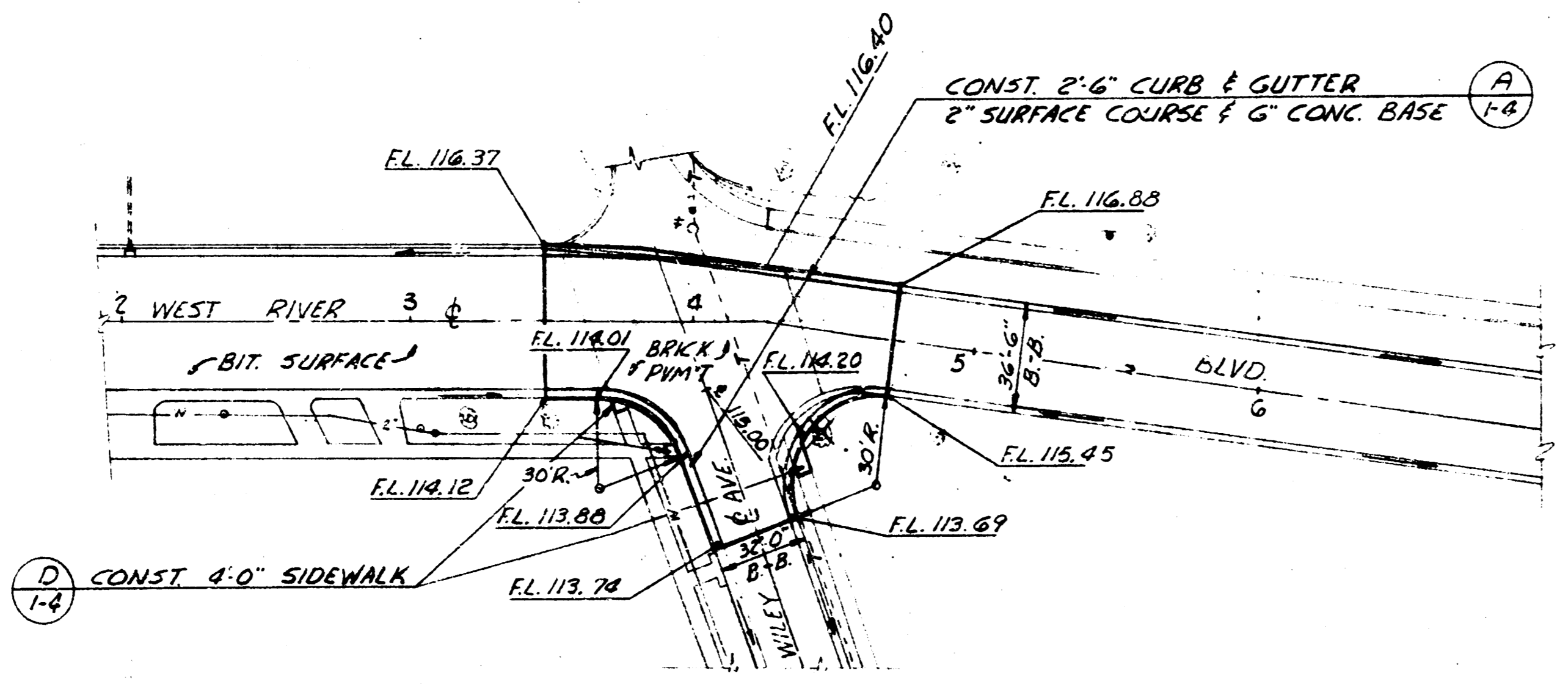
CURVE DATA  
 $\Delta = 13^\circ 30' 39''$   
 $D = 7'$   
 $T = 77.96'$   
 $R = 819.02'$   
 $L = 199.92'$

- NOTE:
1. ALL ELEVATIONS SHOWN ARE TO FLOWLINE OF COMBINED CURB & GUTTER, UNLESS OTHERWISE NOTED.
  2. REGRADE MANHOLES MARKED -#
  3. TITLE (A) DETAIL DESIGNATION  
 (1-6) SHEET ON WHICH DETAIL APPEARS
  4. PRESERVE ALL EXISTING MONUMENTS AS DIRECTED BY ENGINEER.

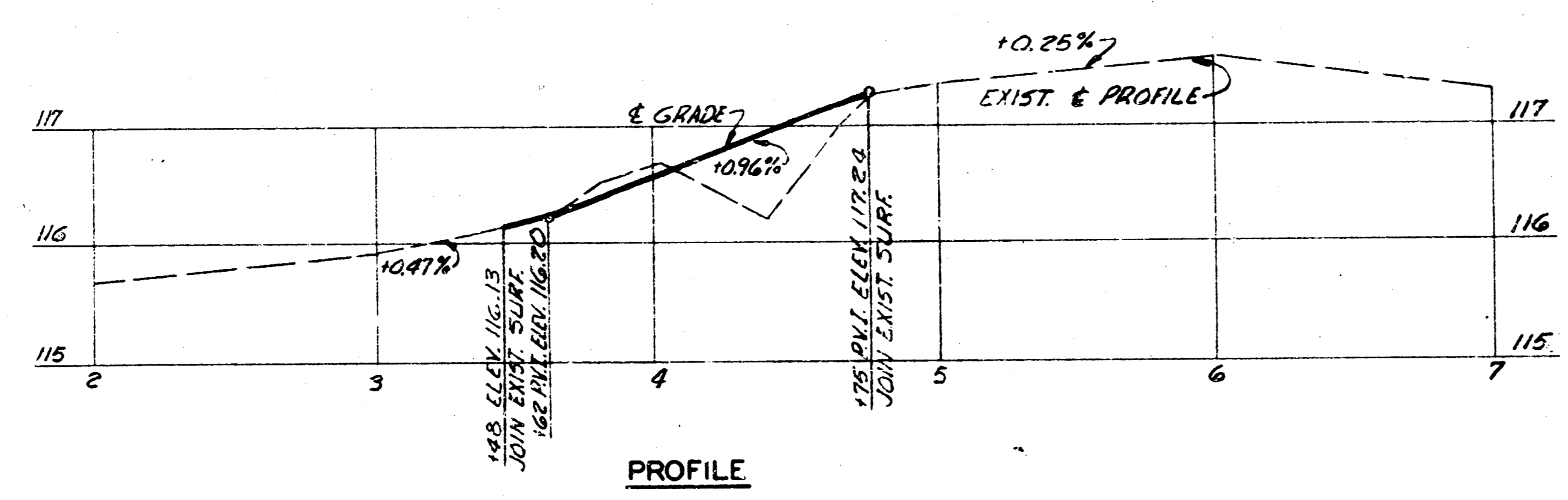
REVISION	DATE
WICHITA, KANSAS	GREIFFENSTEIN BRIDGE
GRADING & DRAINAGE PLAN - PROFILE	
PART I	
<b>WILSON</b> COMPANY ENGINEERS & ARCHITECTS SALINA - KANSAS	DATE <b>DEC. 1962</b> FILE NO. <b>62-170</b> SHEET NO. <b>2-2</b> OF <b>6</b>



SCALE 1"=40'

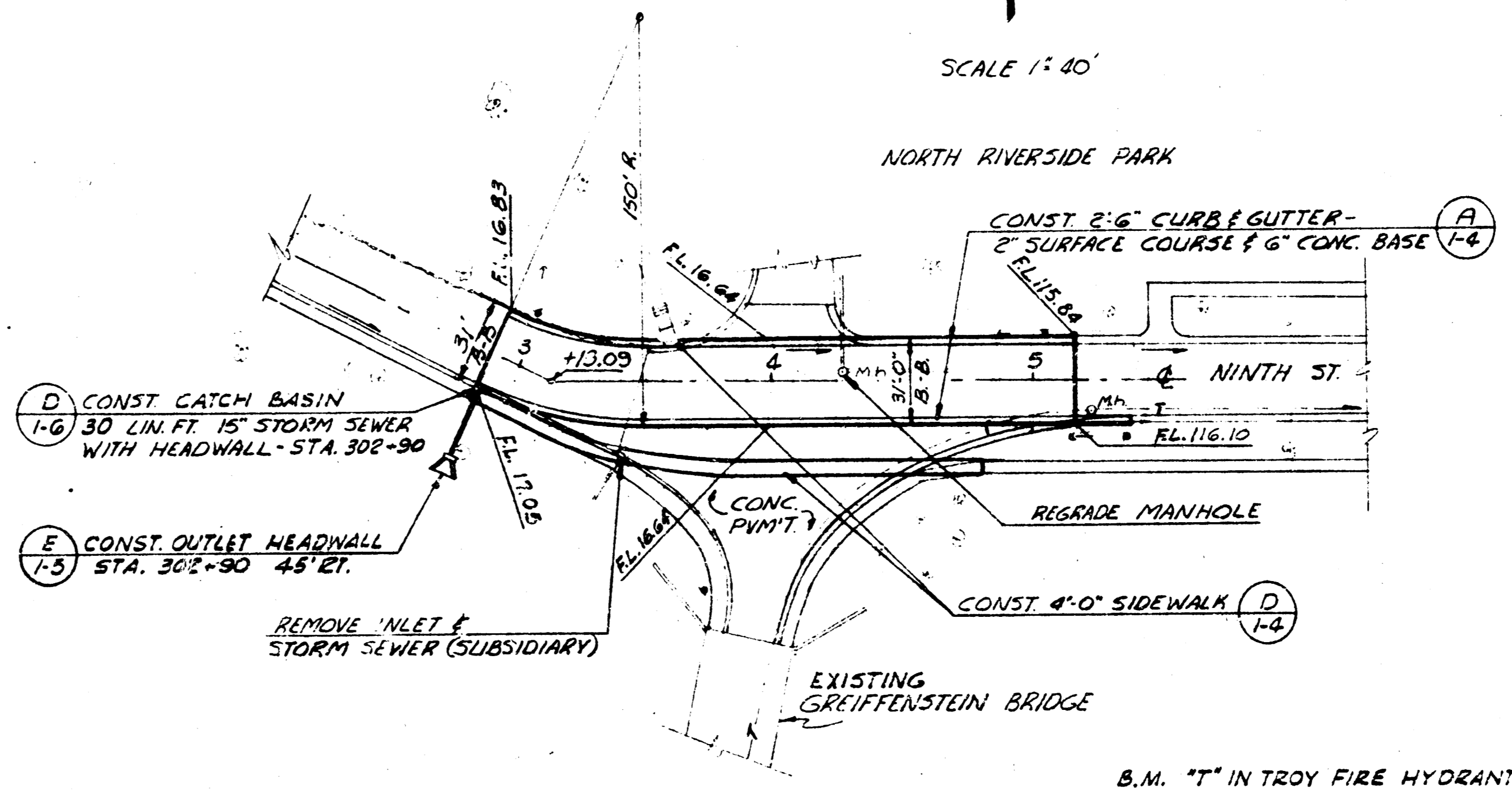


**PLAN**  
 B.M. TOP 1" PIPE - SW COR. OF WILEY AVE. & WEST RIVER DRIVE ELEV. 114.77

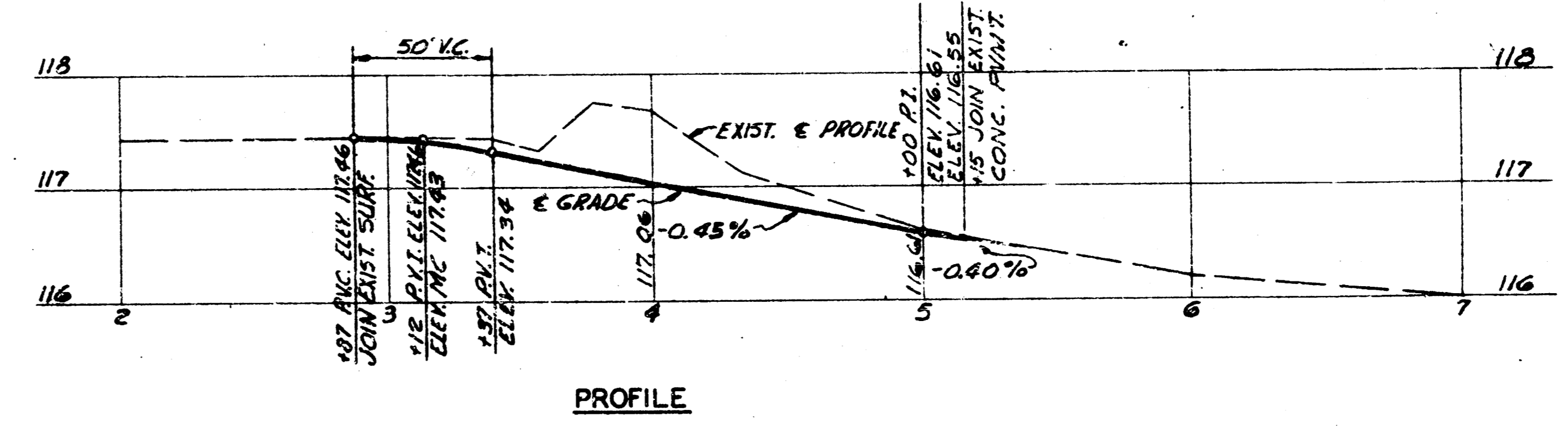


**PROFILE**  
 INTERSECTION OF WEST RIVER BLVD & WILEY AVE.  
 ADD ALTERNATE NO. 1

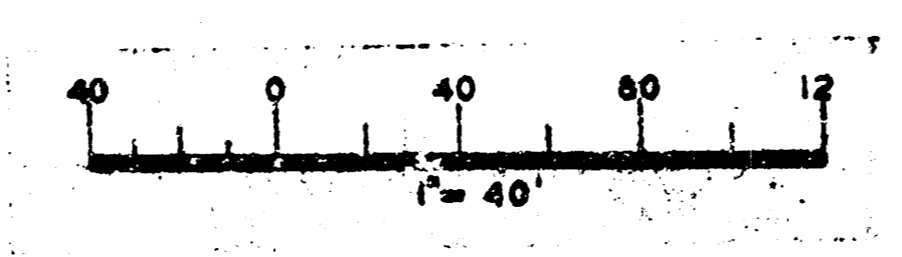
SCALE 1"=40'



**PLAN**  
 B.M. "T" IN TROY FIRE HYDRANT NW COR. OF 10TH & LARIMER ELEV. 118.12



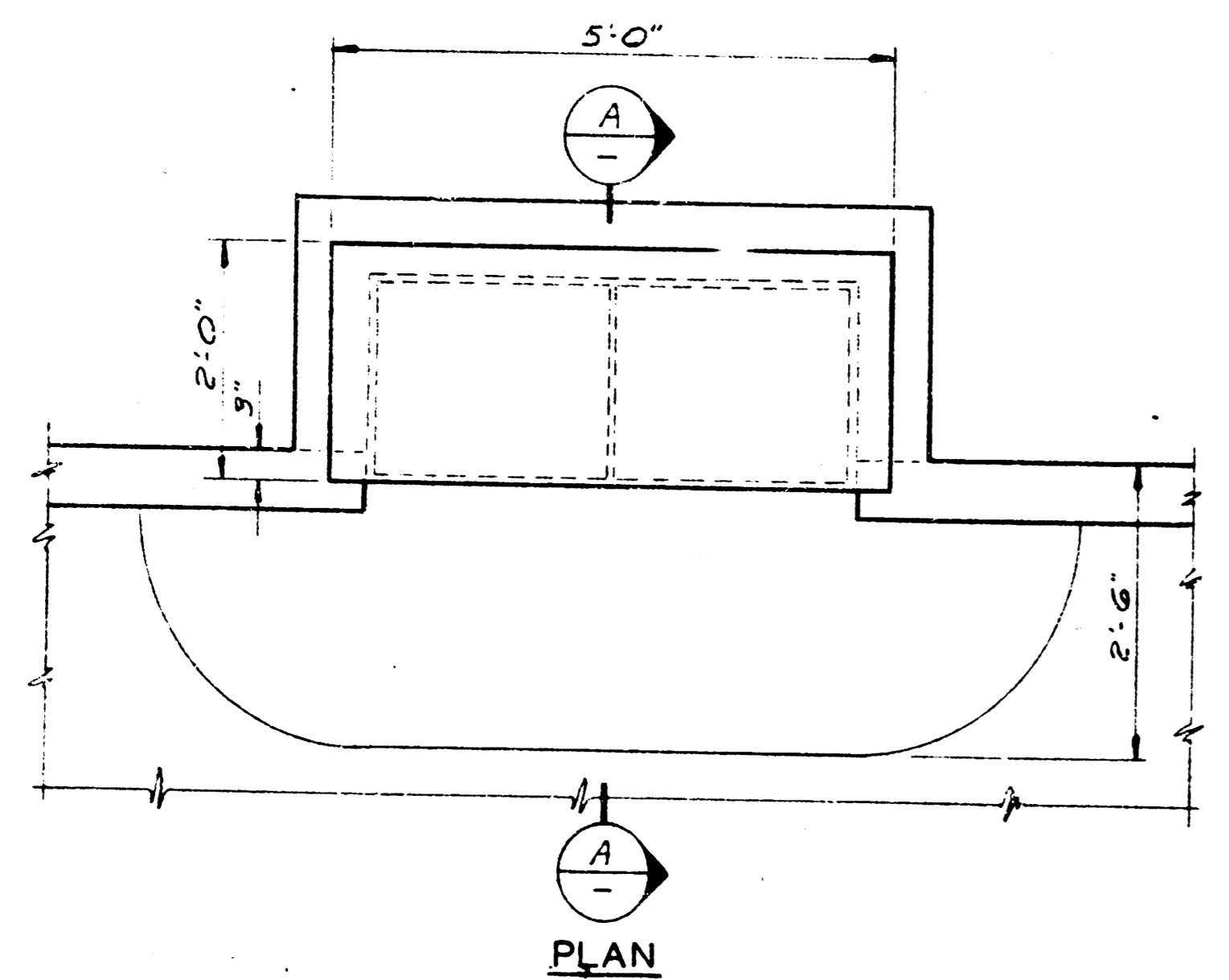
**PROFILE**  
 INTERSECTION OF NINTH ST. & PARK DRIVES  
 ADD ALTERNATE NO. 2



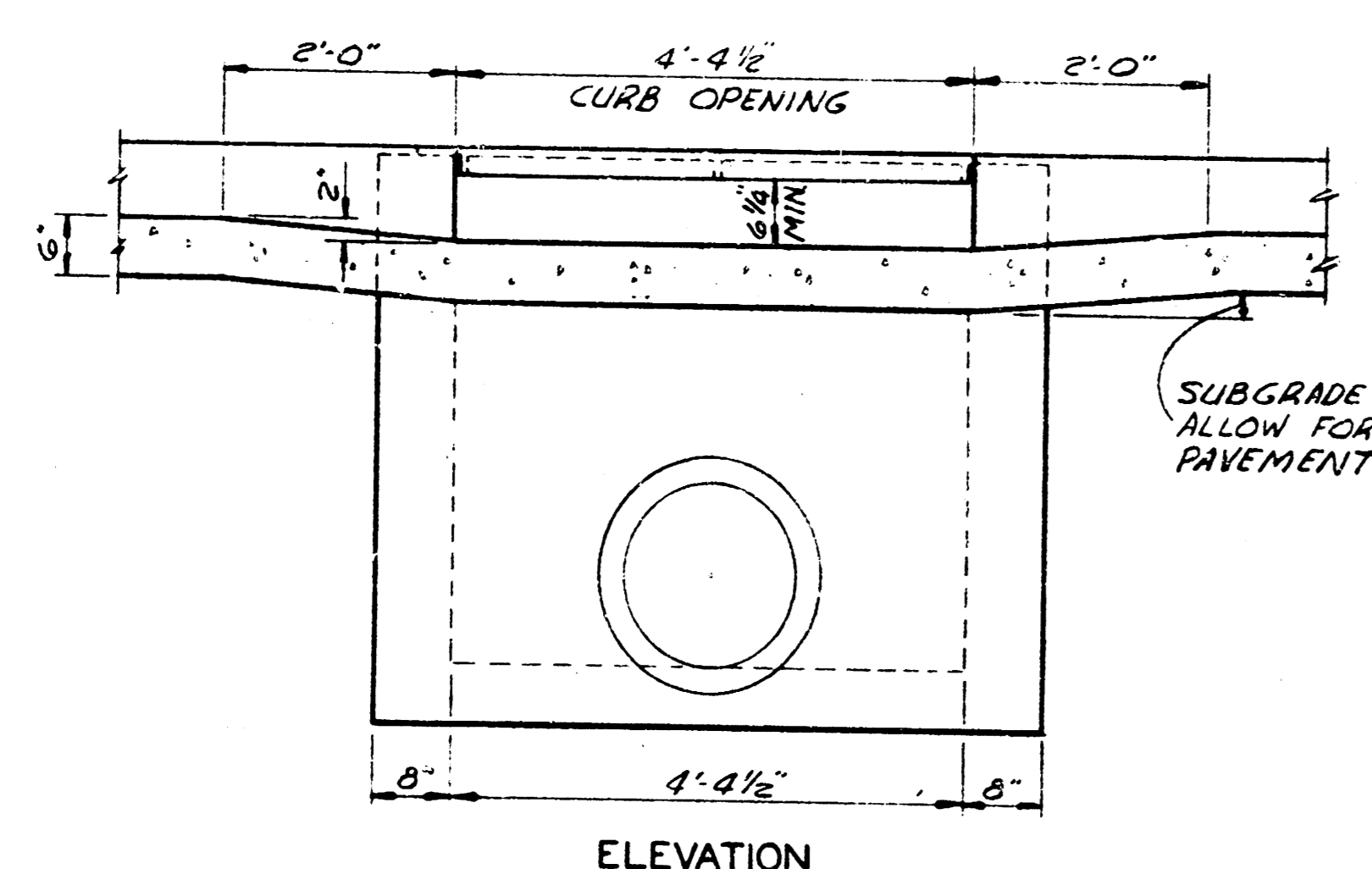
REVISION:	DATE:	BY:
WICHITA, KANSAS GREIFFENSTEIN BRIDGE		
GRADING PLAN ALTERNATES 1 & 2		
PART I		
WILSON & COMPANY ENGINEERS ARCHITECTS SALINA - KANSAS	DATE: DEC 1962	FILE NO. 62-170
		SHEET NO. 13 OF 6



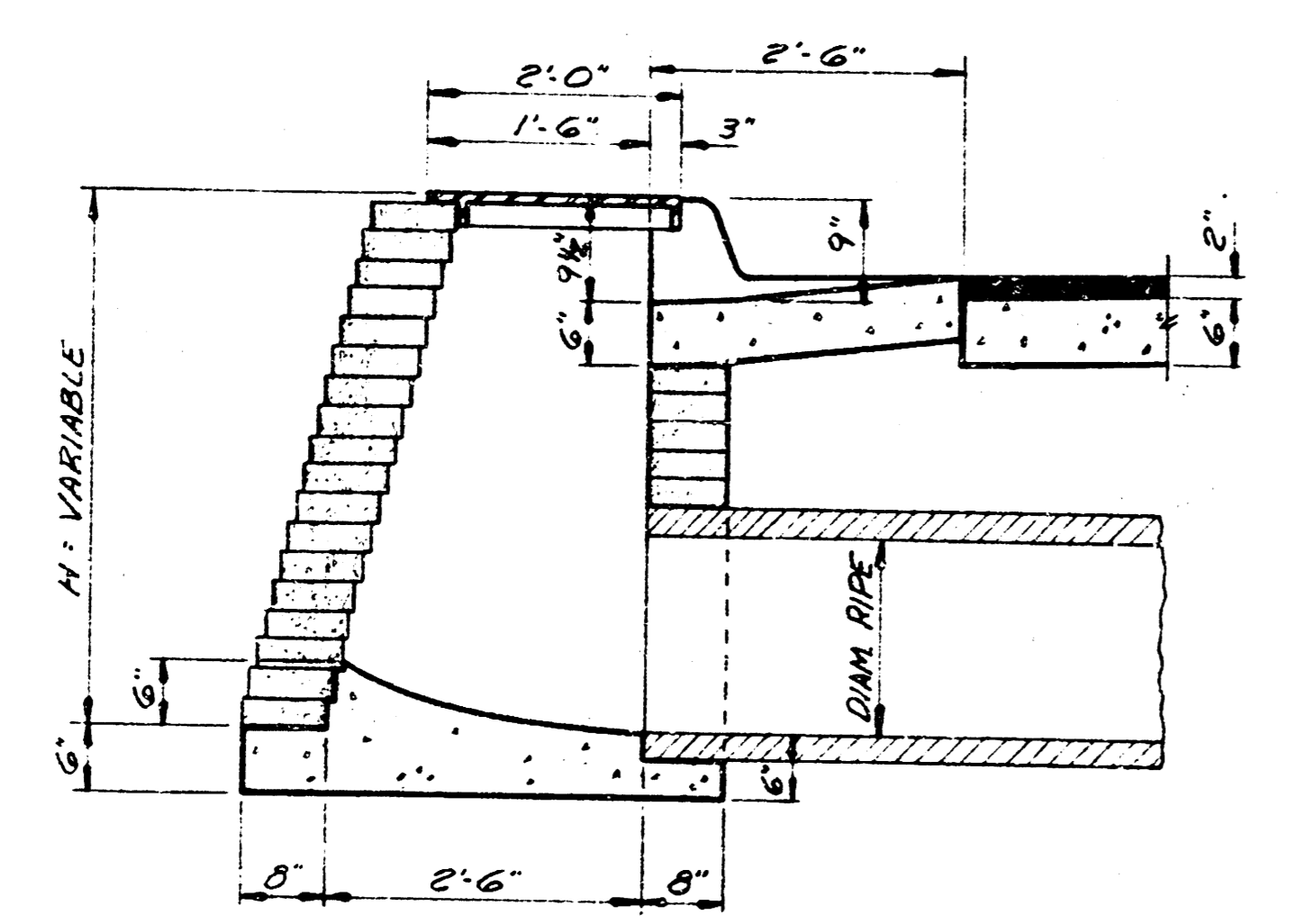




PLAN

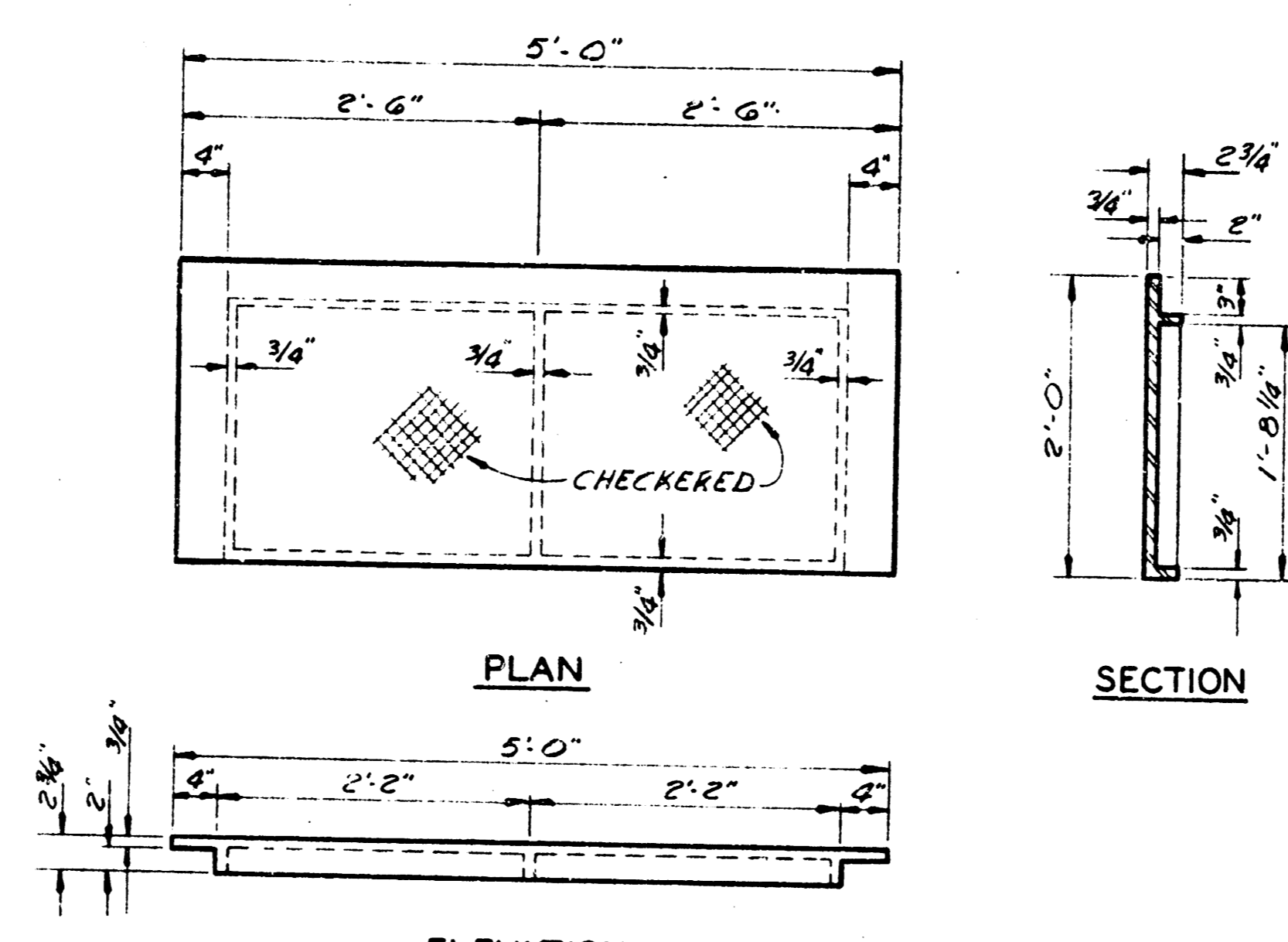


ELEVATION



SECTION A-A

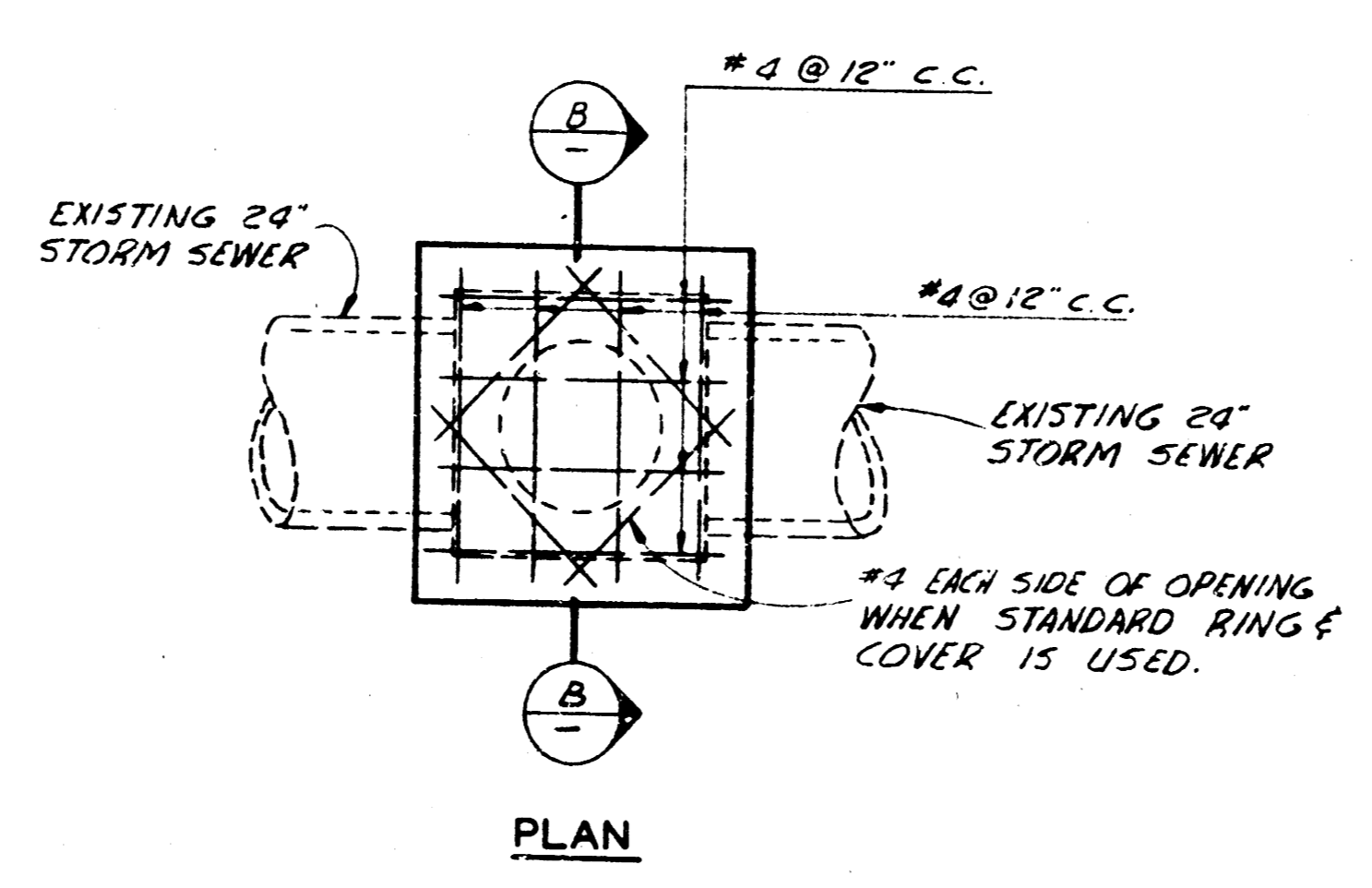
STANDARD CATCH BASIN  
SCALE: 3/8" = 1'-0"



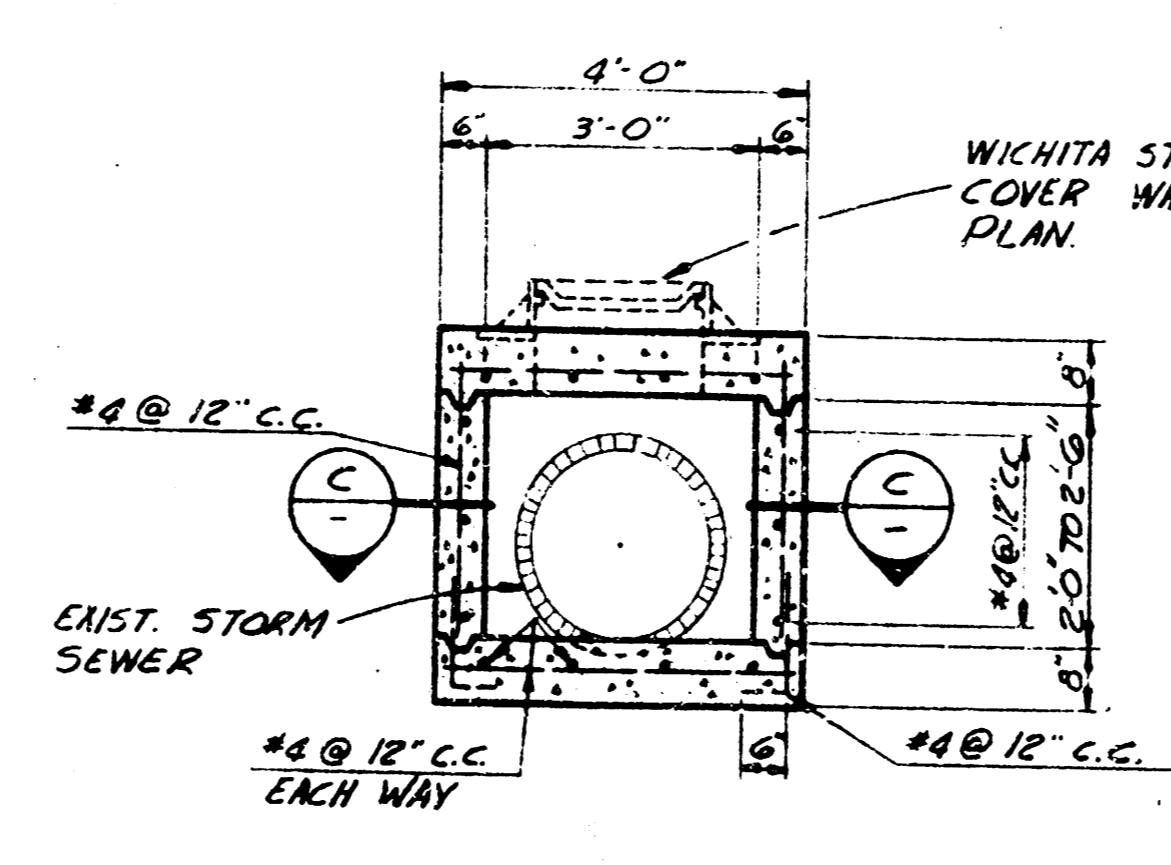
PLAN

SECTION

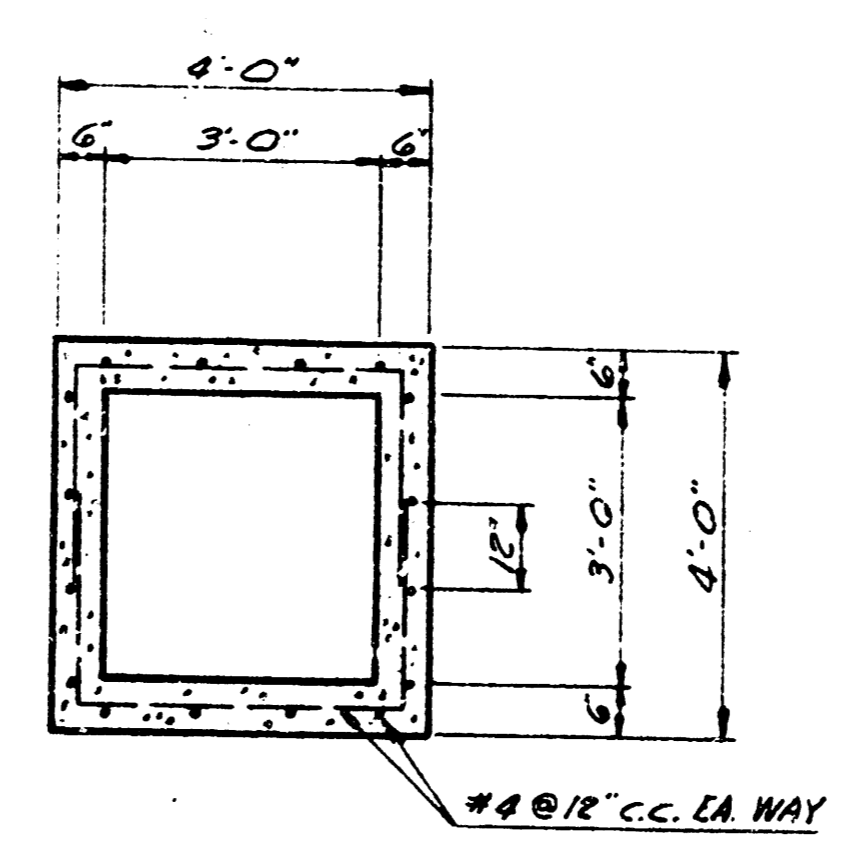
CITY OF WICHITA CAST IRON INLET COVER  
SCALE: 1" = 1'-0"  
WEIGHT OF CASTING = 325 LBS.



PLAN



SECTION B-B



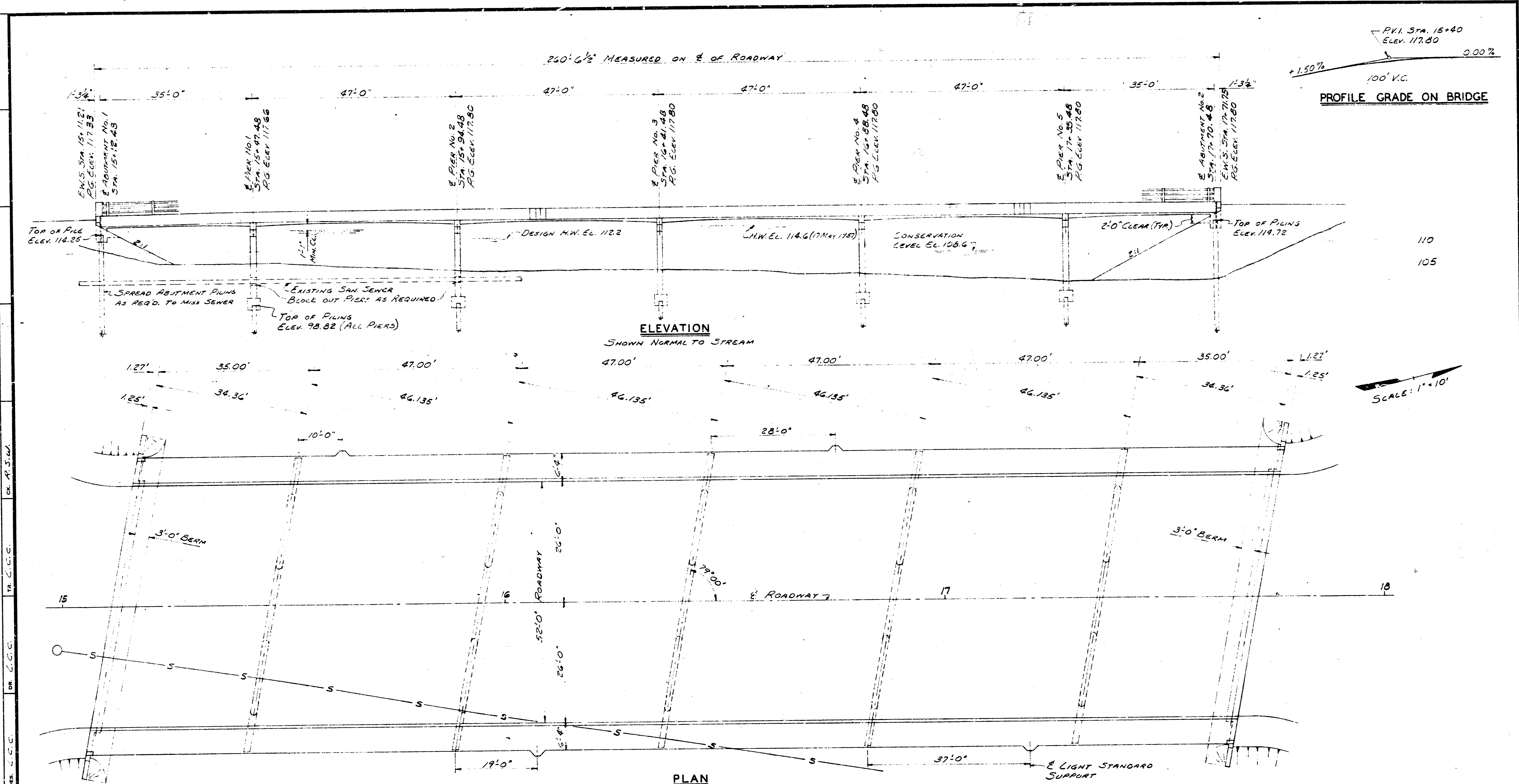
SECTION C-C

JUNCTION BOX DETAILS  
SCALE: 1/8" = 1'-0"

SCHEDULE OF STRUCTURES					
STATION	SIDE	TYPE	TOP EL.	INV. EL.	H.
17+69	LT.	HW	-	105.00	-
18+05	LT.	J&B	-	107.48	-
20+63	LT.	MH	112.39	108.64	3.50
20+97	LT.	CB	113.01	108.76	4.25
21+00	RT.	CB	113.07	109.57	3.50
21+38	LT.	CB	113.16	109.56	3.60
23+00	LT.	J&B	113.83	110.27	3.56
23+03	RT.	J&B	-	110.55	3.00
*2+90	RT.	CB	117.66	113.66	4.00
*2+90	RT.	HW	-	105.00	-

\* INTERSECTION OF NINTH ST. & PARK DRIVES  
(ADD ALTERNATE NO. 2)

REVISION:	DATE:	BY:
WICHITA, KANSAS	GREIFFENSTEIN BRIDGE	
DRAINAGE DETAILS		
PART I		
WILSON & COMPANY	ENGINEERS & ARCHITECTS	DATE: DEC. 1962
SALINA - KANSAS		FILE NO. 62-170
		SHEET NO. 1-6
		OF 6

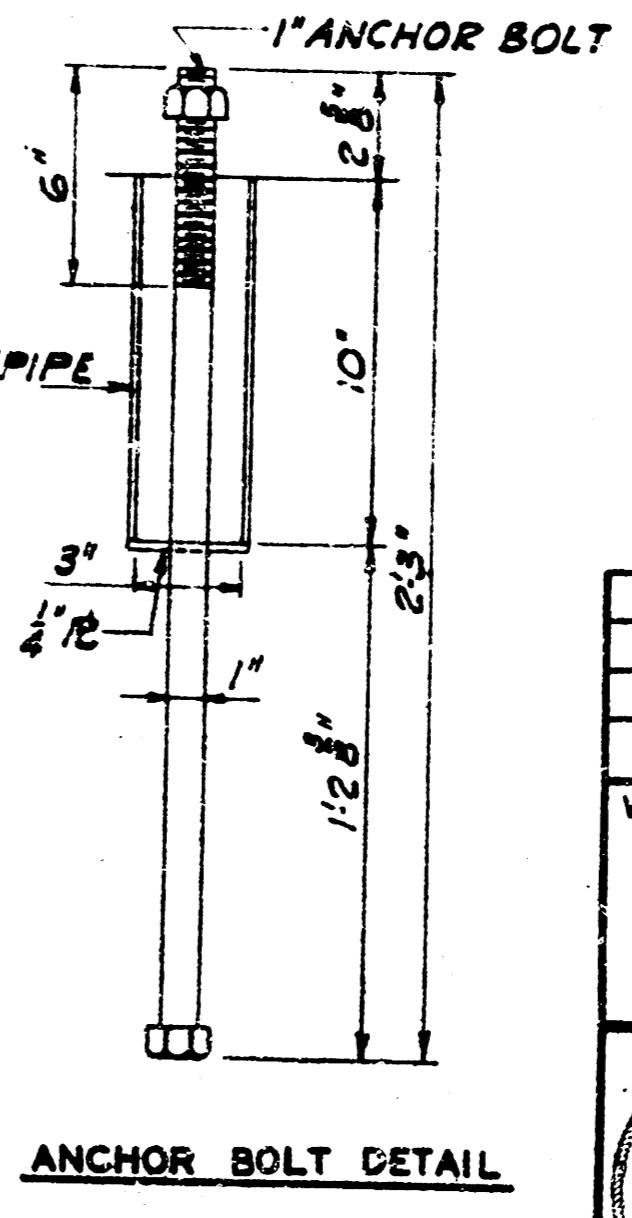
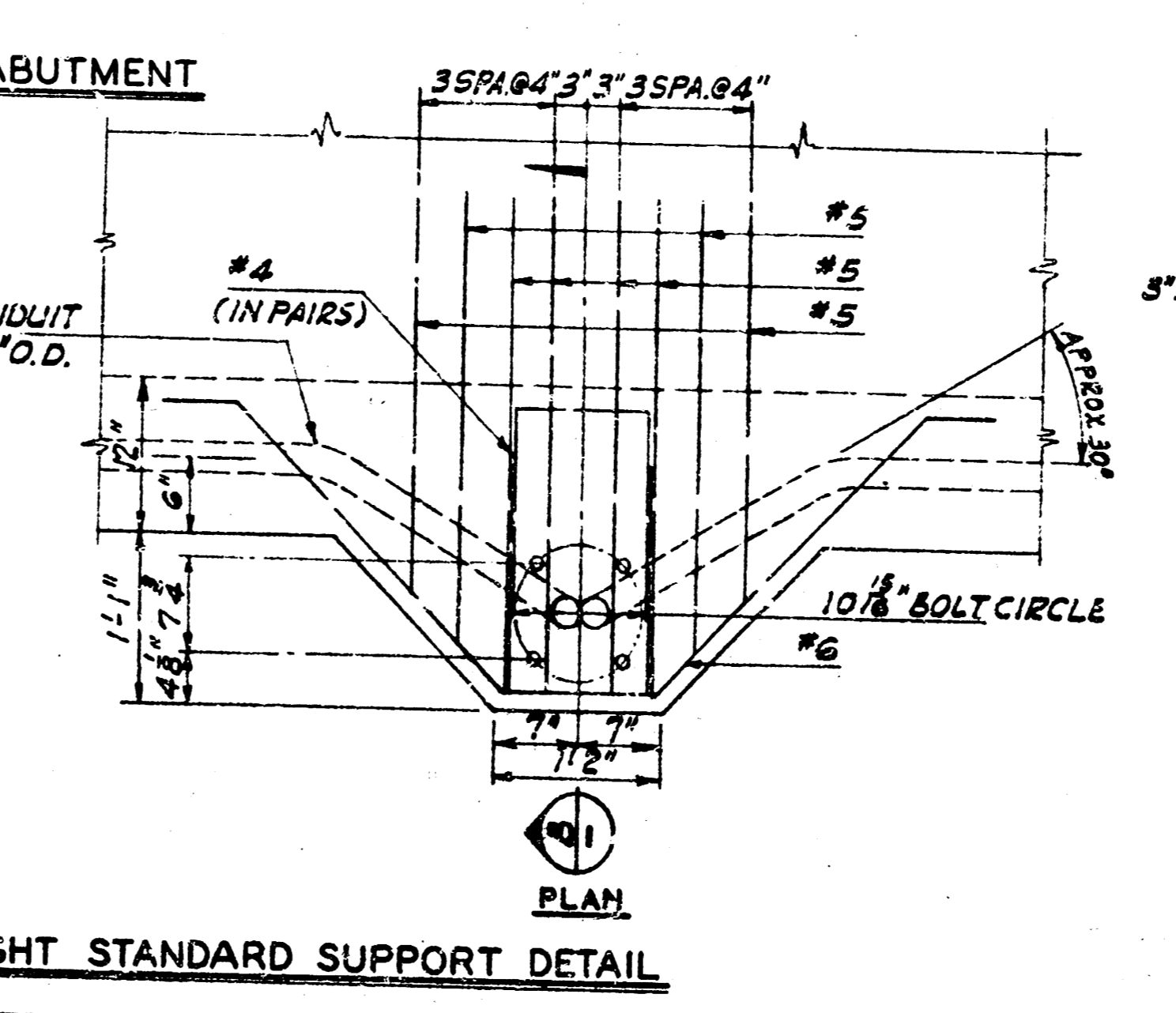
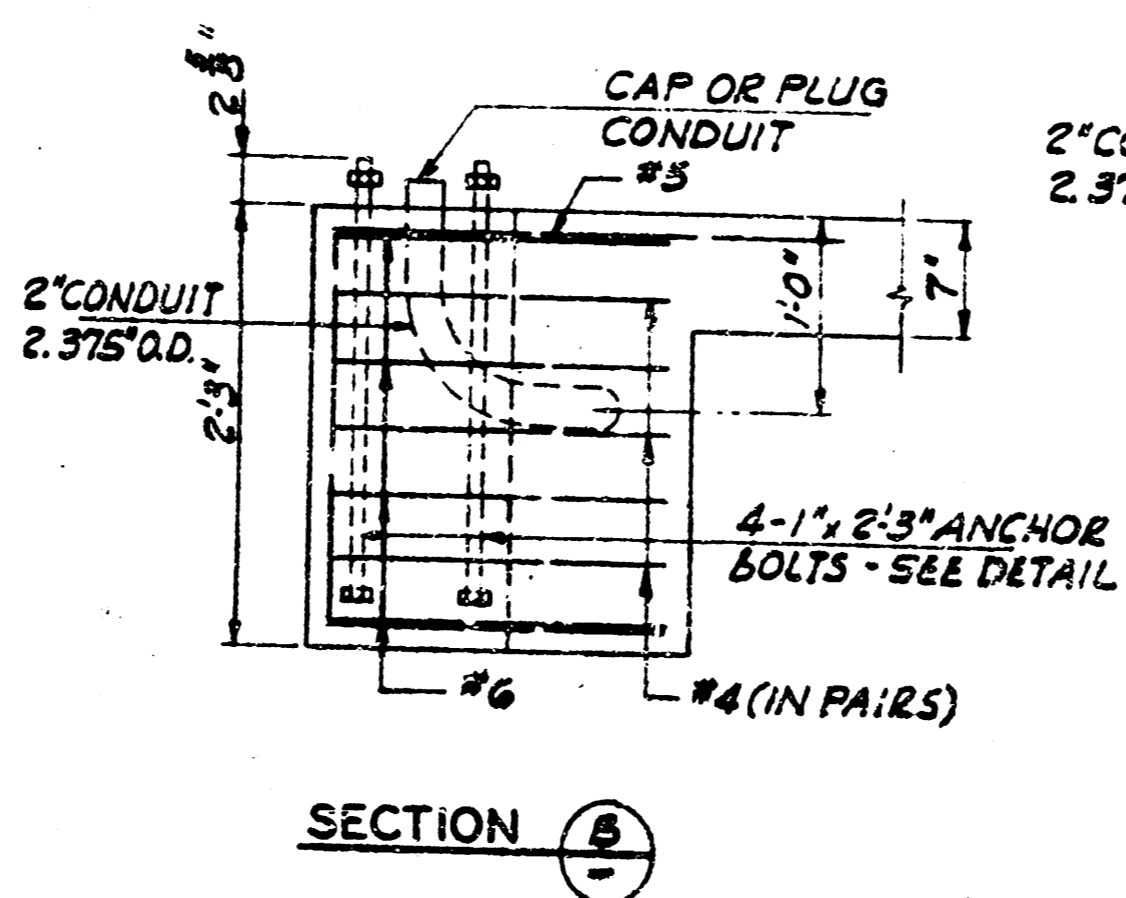
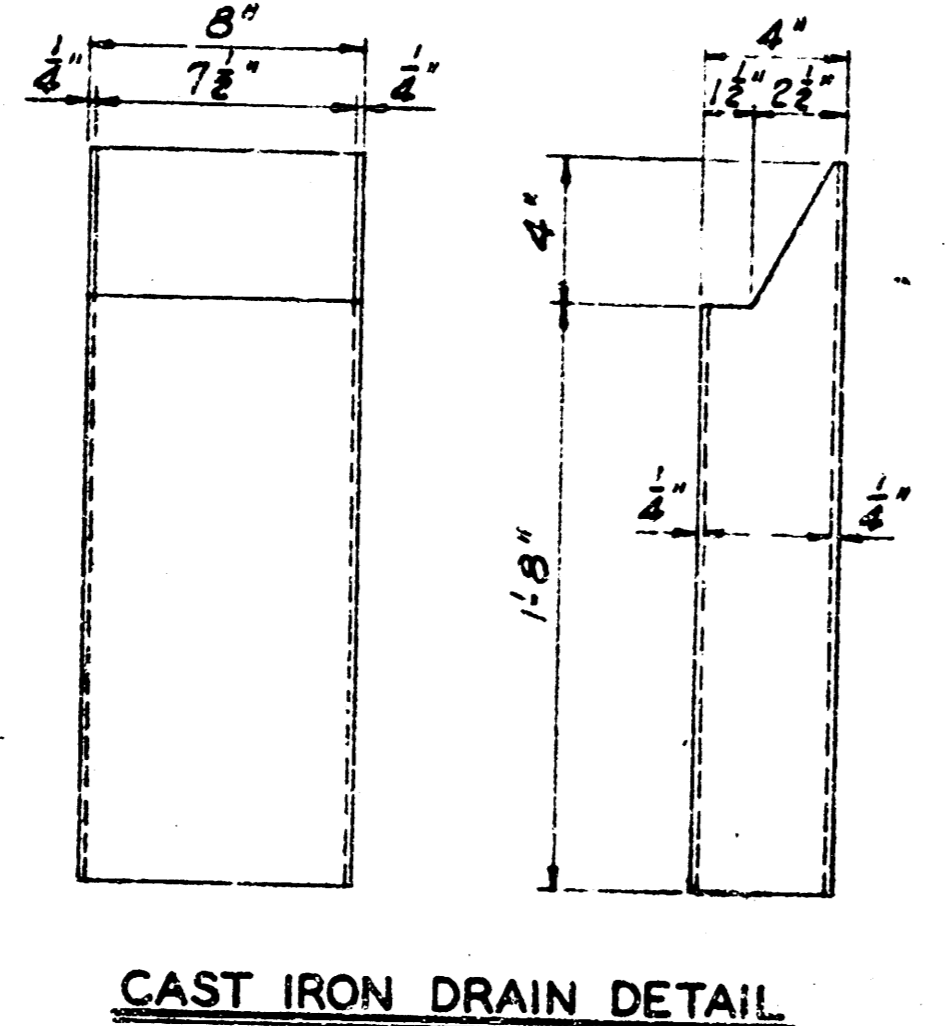
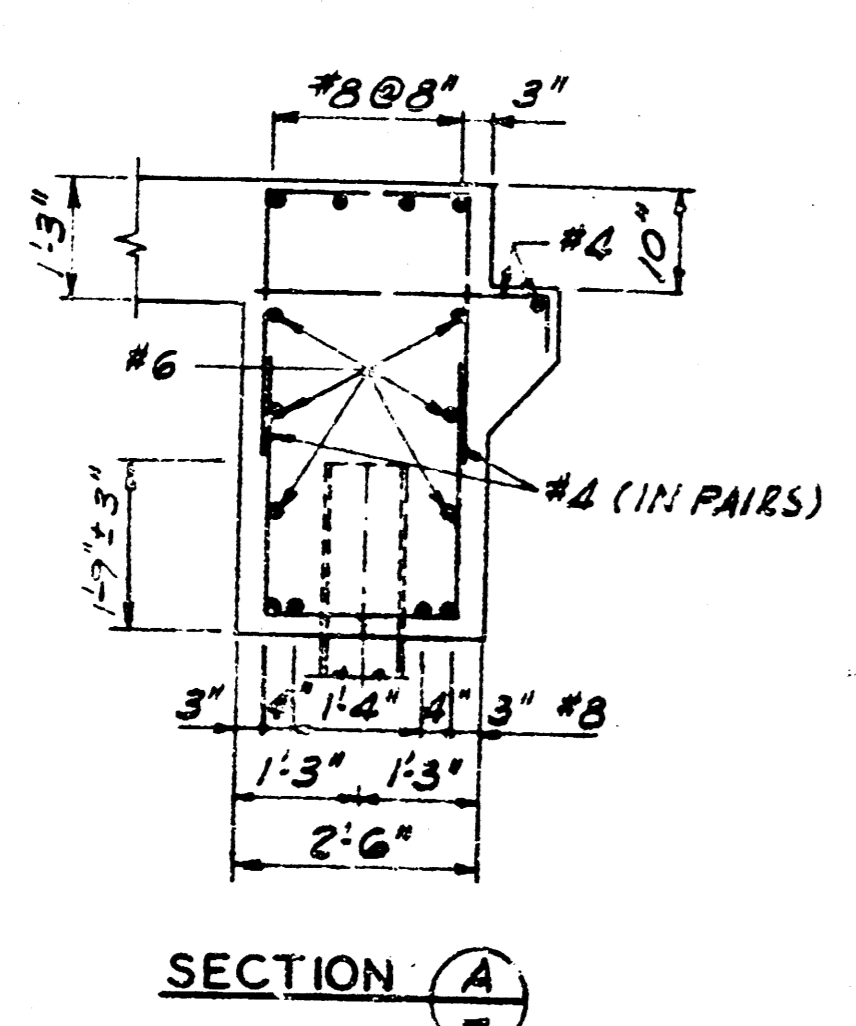
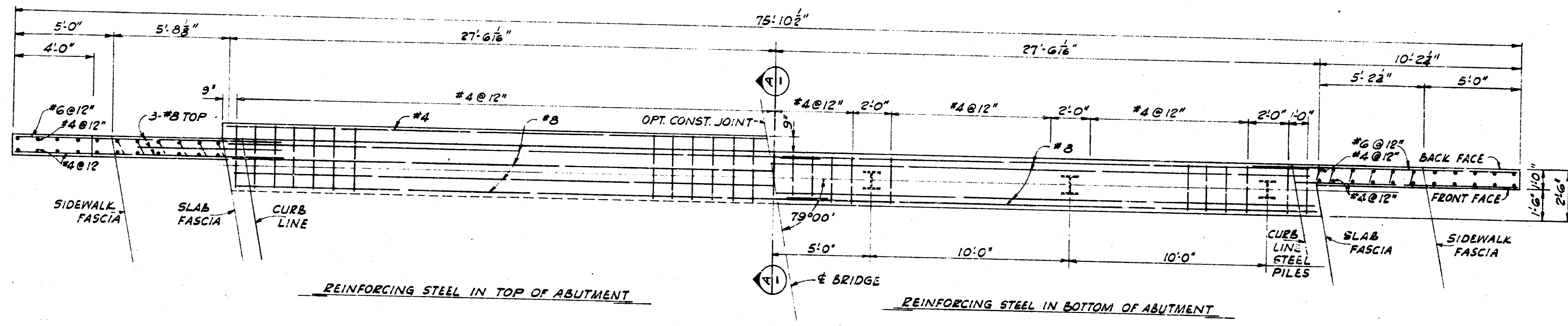
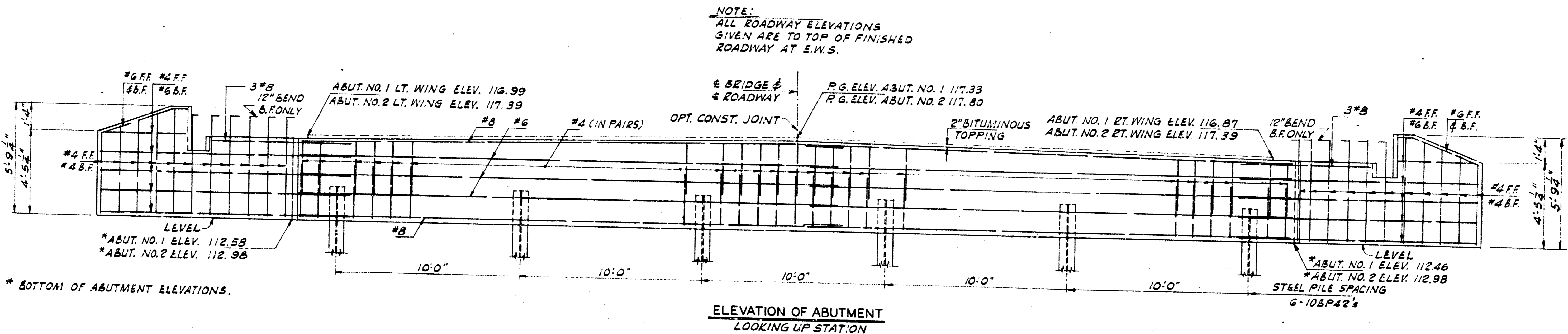


DATE: 12-1-62  
 DRAWN: J.C.C.  
 CHECKED: J.C.C.  
 DESIGNED: J.C.C.

**GENERAL NOTES:**  
 DESIGN LOADS: H20-S16-44 A.A.S.H.O SPECIFICATIONS 1961 ED.  
 UNIT STRESSES:  $\frac{1}{8}$ " 4000 P.S.I.,  $\frac{3}{8}$ " 1600 P.S.I.,  $\frac{1}{2}$ " 2000 P.S.I.  
 EXCAVATION AND EMBANKMENT: COMPLETE EXCAVATION AND EMBANKMENT IN THE VICINITY OF THE BRIDGE PRIOR TO CONSTRUCTING ABUTMENTS.  
 CEMENT RESIN SEAL: SEE SPECIFICATIONS.  
 PILING: ABUTMENT PILING 100#P&Z DRIVEN TO A COMPUTED BEARING VALUE OF 37 TONS PER PILE. PIER PILING 120#P&Z OR 12" SQUARE PRESTRESSED CONCRETE DRIVEN TO A COMPUTED BEARING VALUE OF 47 TONS PER PILE. SEE SPECIFICATIONS.  
 GEOLOGY: SEE SPECIFICATIONS FOR LOG OF BORINGS.

EXISTING SANITARY SEWER: KEEP SEWER IN SERVICE DURING CONSTRUCTION. BLOCK OFF AREAS TO ACCOMMODATE SEWER, LEAVING 2" MIN. CLEARANCE ALL AROUND. BEND OR CUT REINFORCING AT 90 DEGREES AT THE DIRECTION OF THE ENGINEER.  
 EXISTING PILING: SEE SPECIFICATIONS.

REVISION:	DATE:	BY:
WICHITA, KANSAS      GREIFFENSTEIN BRIDGE		
BRIDGE CONSTRUCTION LAYOUT		
PART II		
	<b>WILSON &amp; COMPANY</b> ENGINEERS & ARCHITECTS SALINA - KANSAS	DATE: DEC. 1962 FILE NO. 62-170 SHEET NO. 2-1 OF 4



REVISION:	DATE:	BY:
WICHITA, KANSAS	GREIFFENSTEIN BRIDGE	
ABUTMENT & MISCELLANEOUS DETAILS		
PART II		
	<b>WILSON &amp; COMPANY</b> ENGINEERS & ARCHITECTS SALINA - KANSAS	DATE: DEC. 1962 FILE NO.: 62-170 SHEET NO. 22 OF 4



