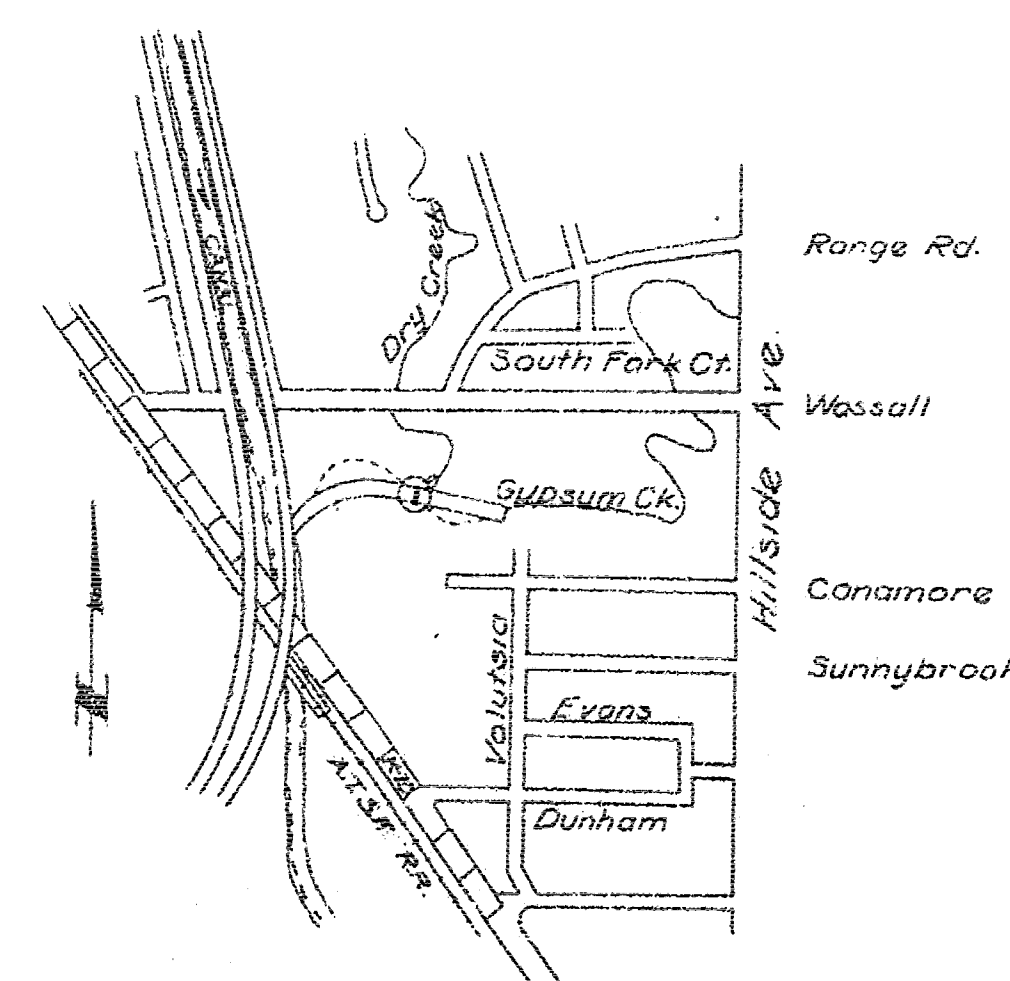
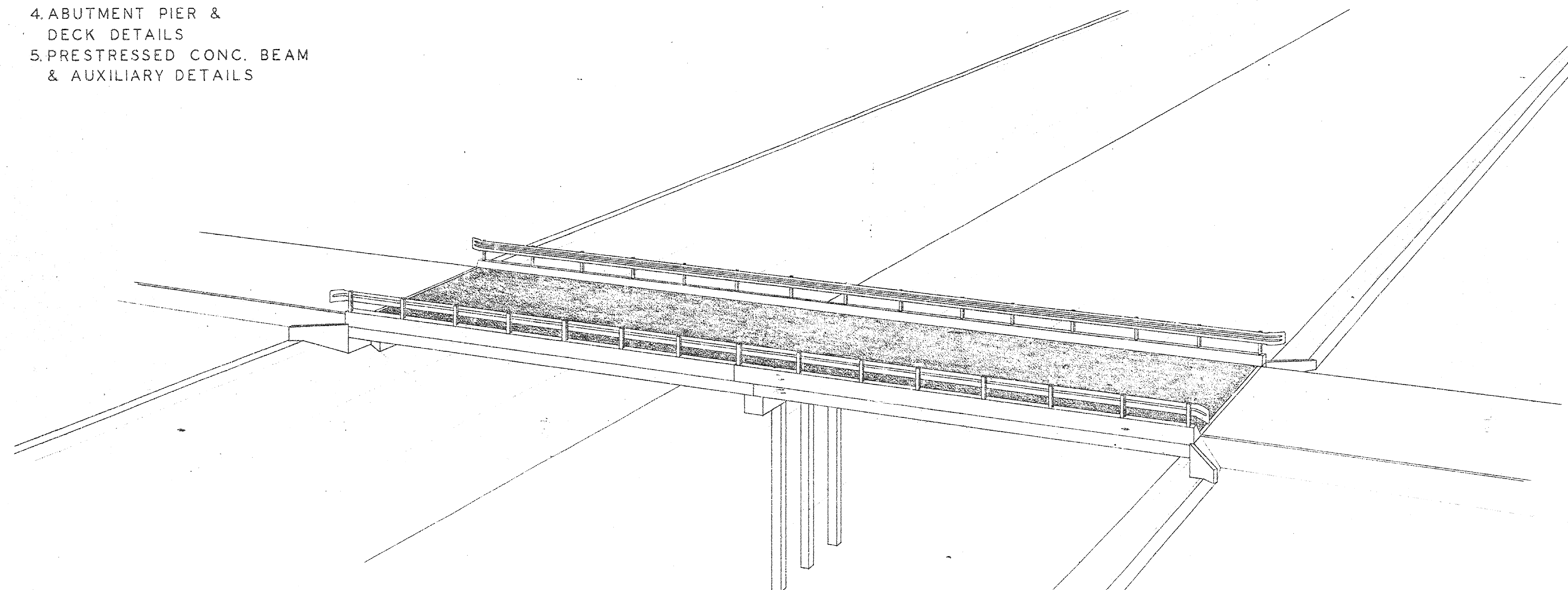


INDEX OF SHEETS:

1. TITLE
2. PLAN & PROFILE
3. CONSTRUCTION LAYOUT
4. ABUTMENT PIER &
DECK DETAILS
5. PRESTRESSED CONC. BEAM
& AUXILIARY DETAILS

BRIDGE AT JOYLAND HILLSIDE PARK

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APPROVED FOR JOYLAND HILLSIDE PARK INC.

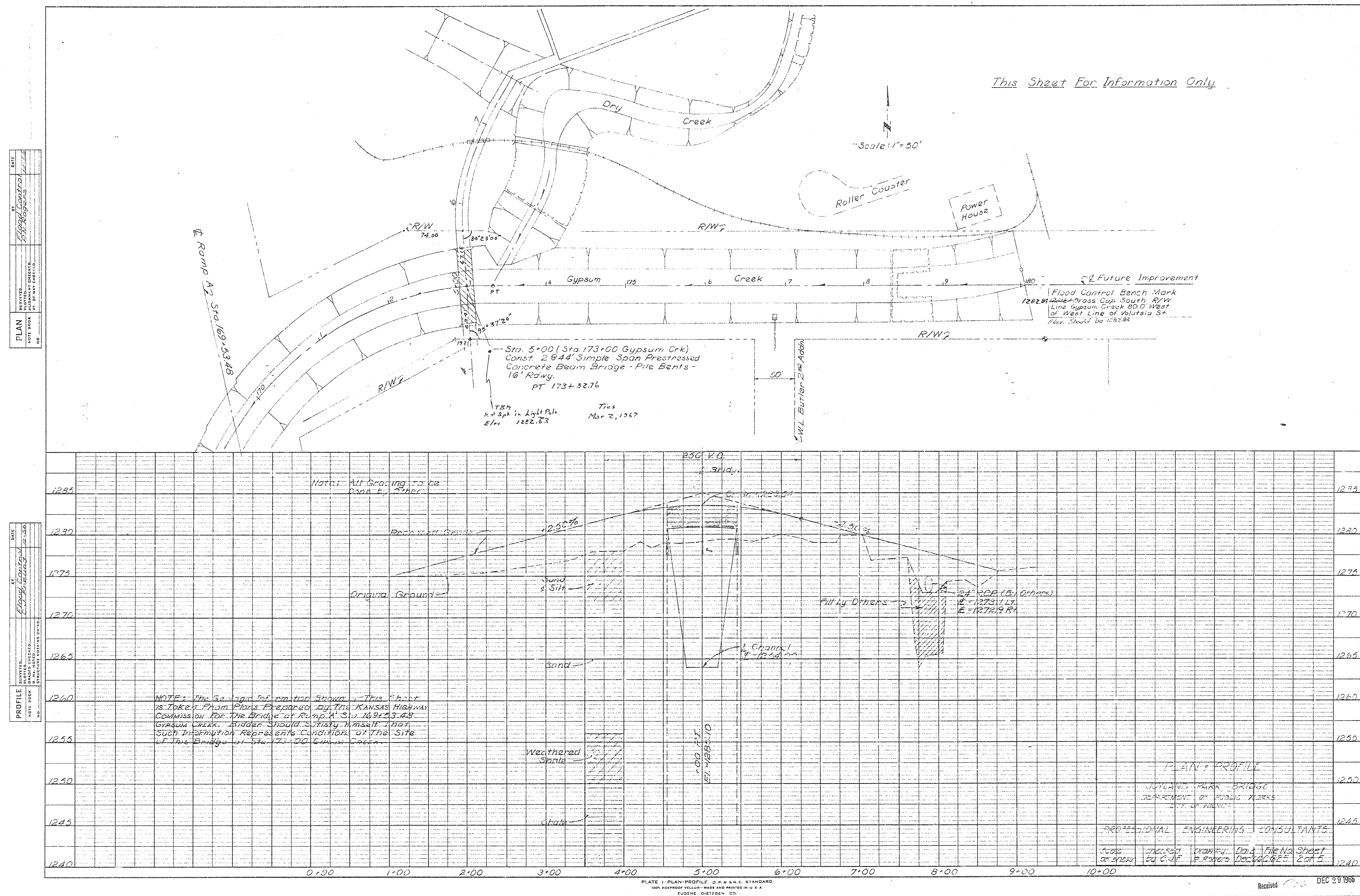
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TITLE: Secy. Treasurer
DATE: January 9, 1967

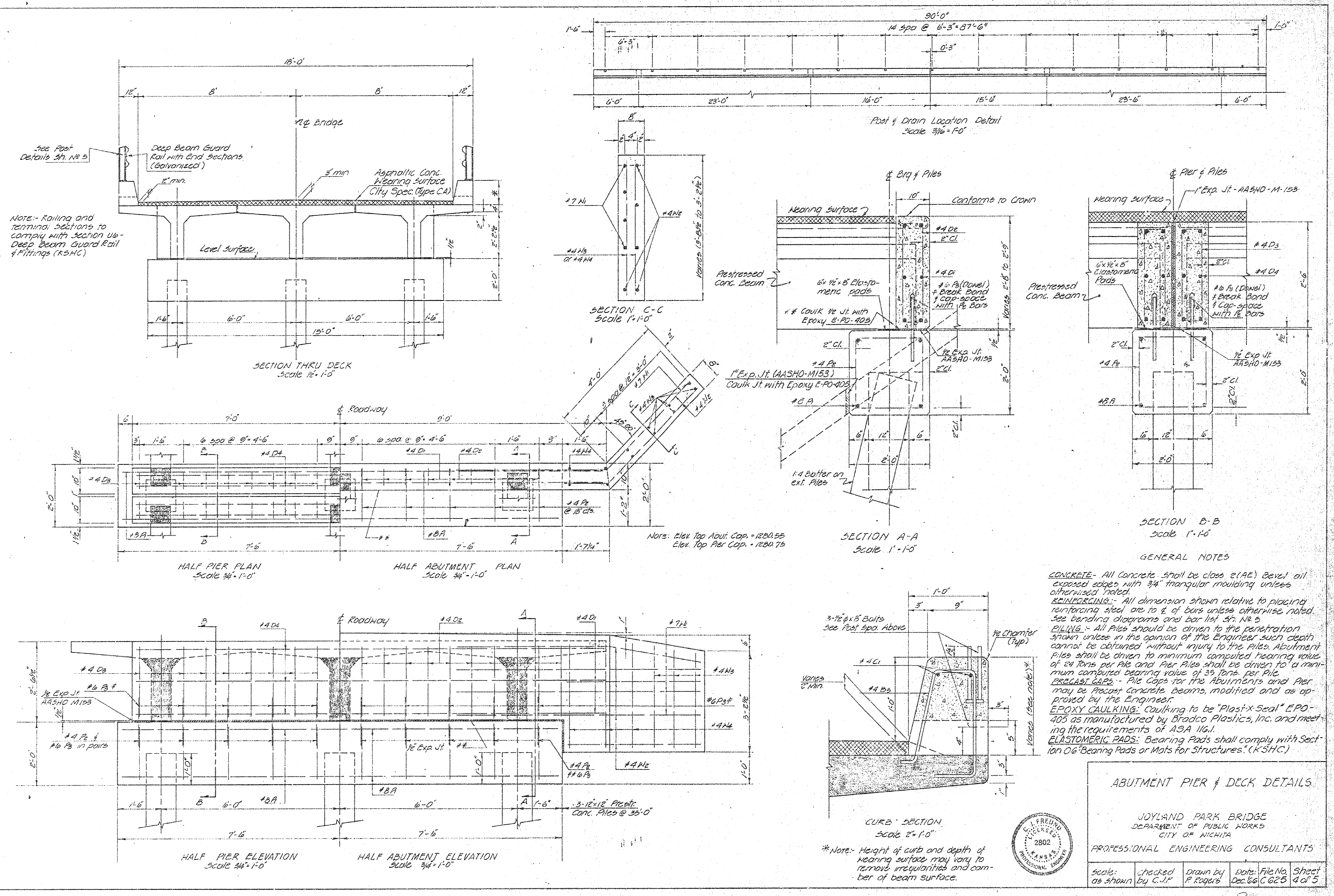
CITY OF WICHITA, KANSAS
DEPARTMENT OF PUBLIC WORKS
MAINTENANCE DIVISION

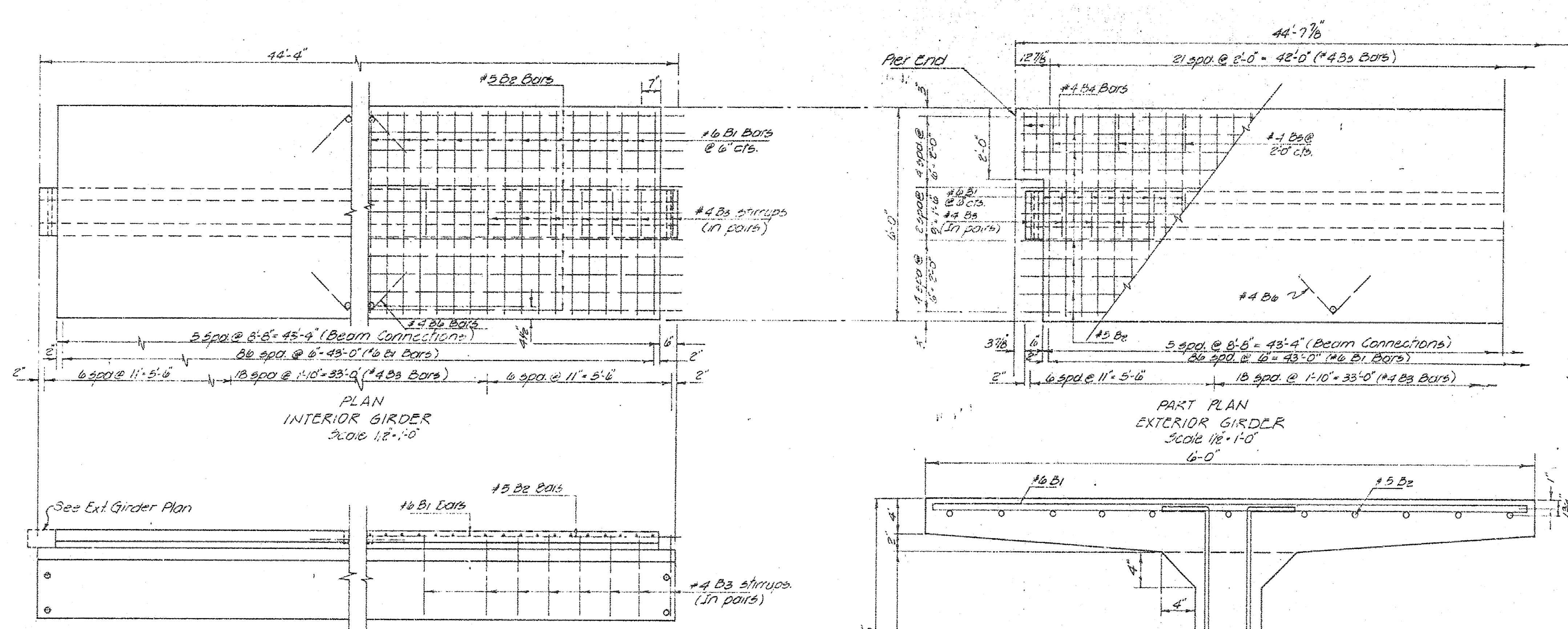
PROFESSIONAL ENGINEERING CONSULTANTS

WICHITA, KANSAS

1966

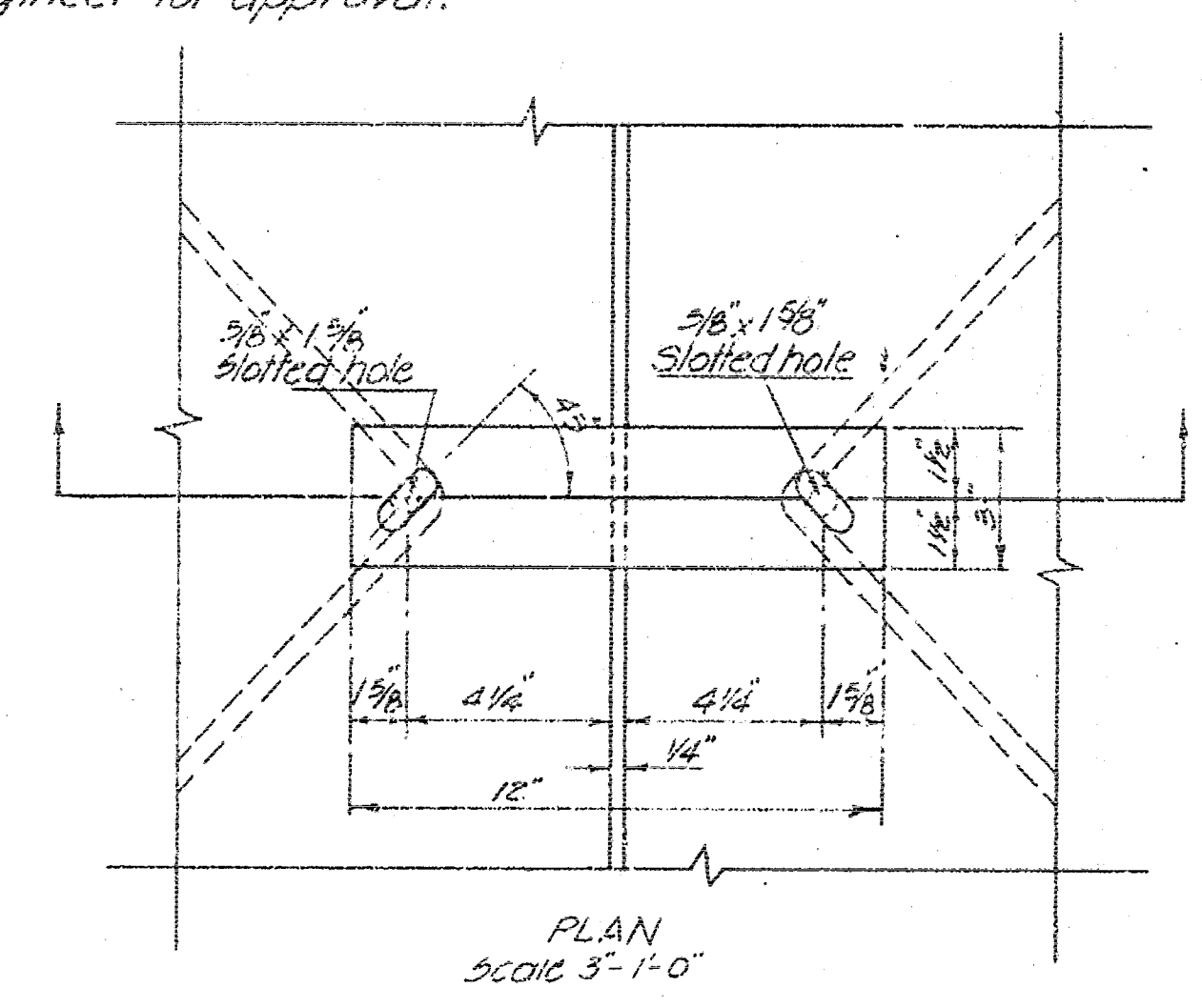
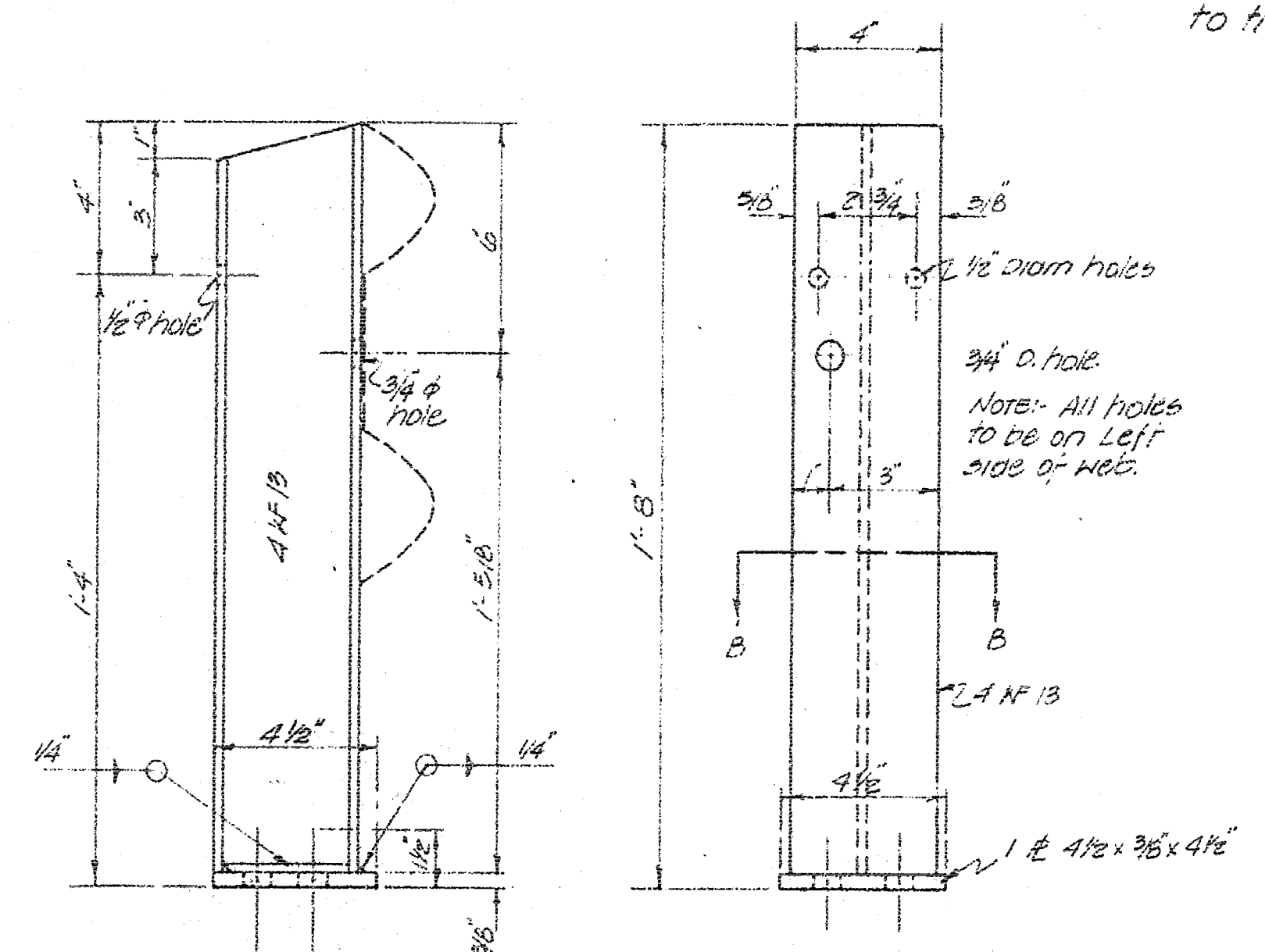






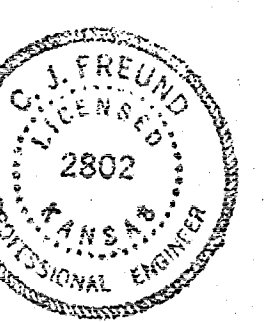
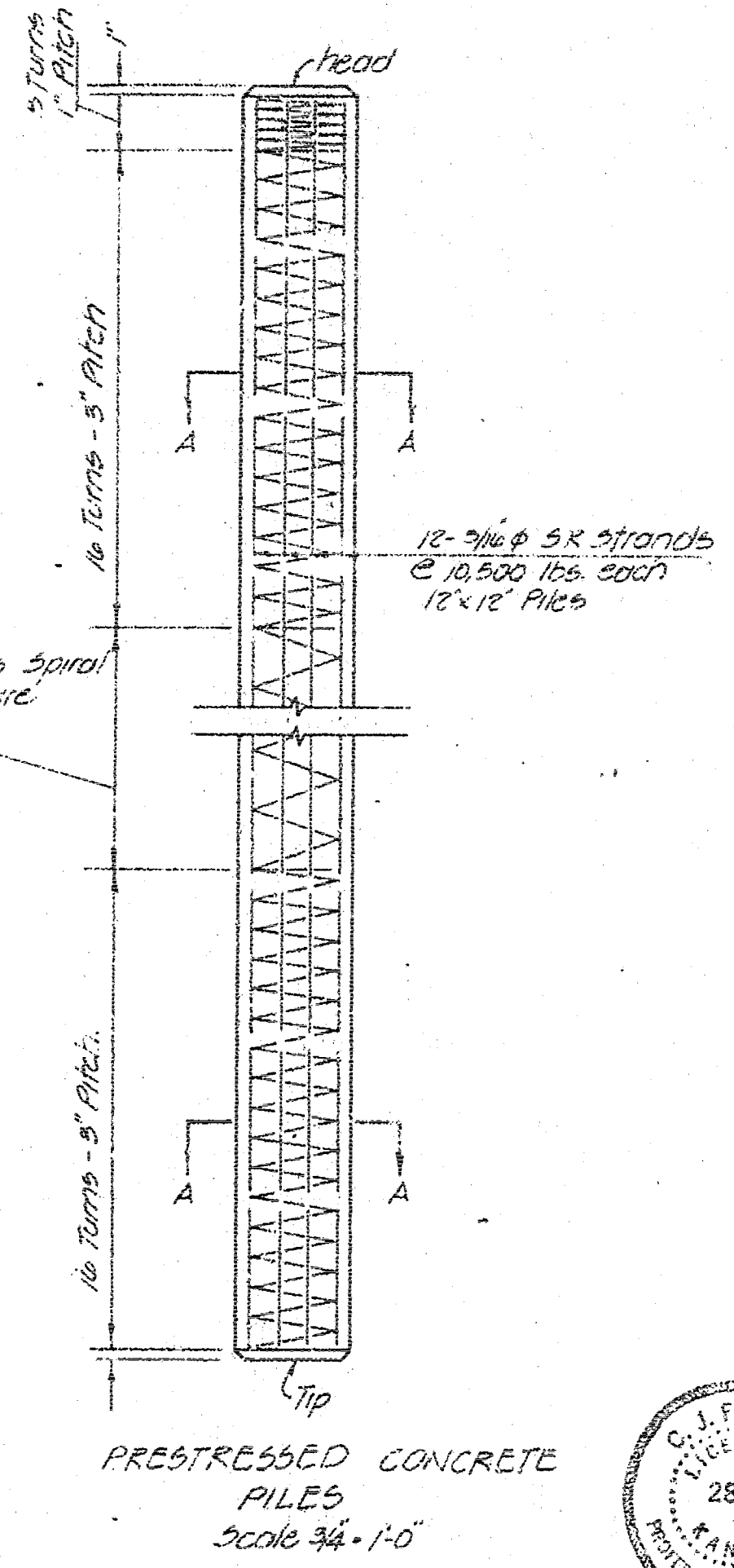
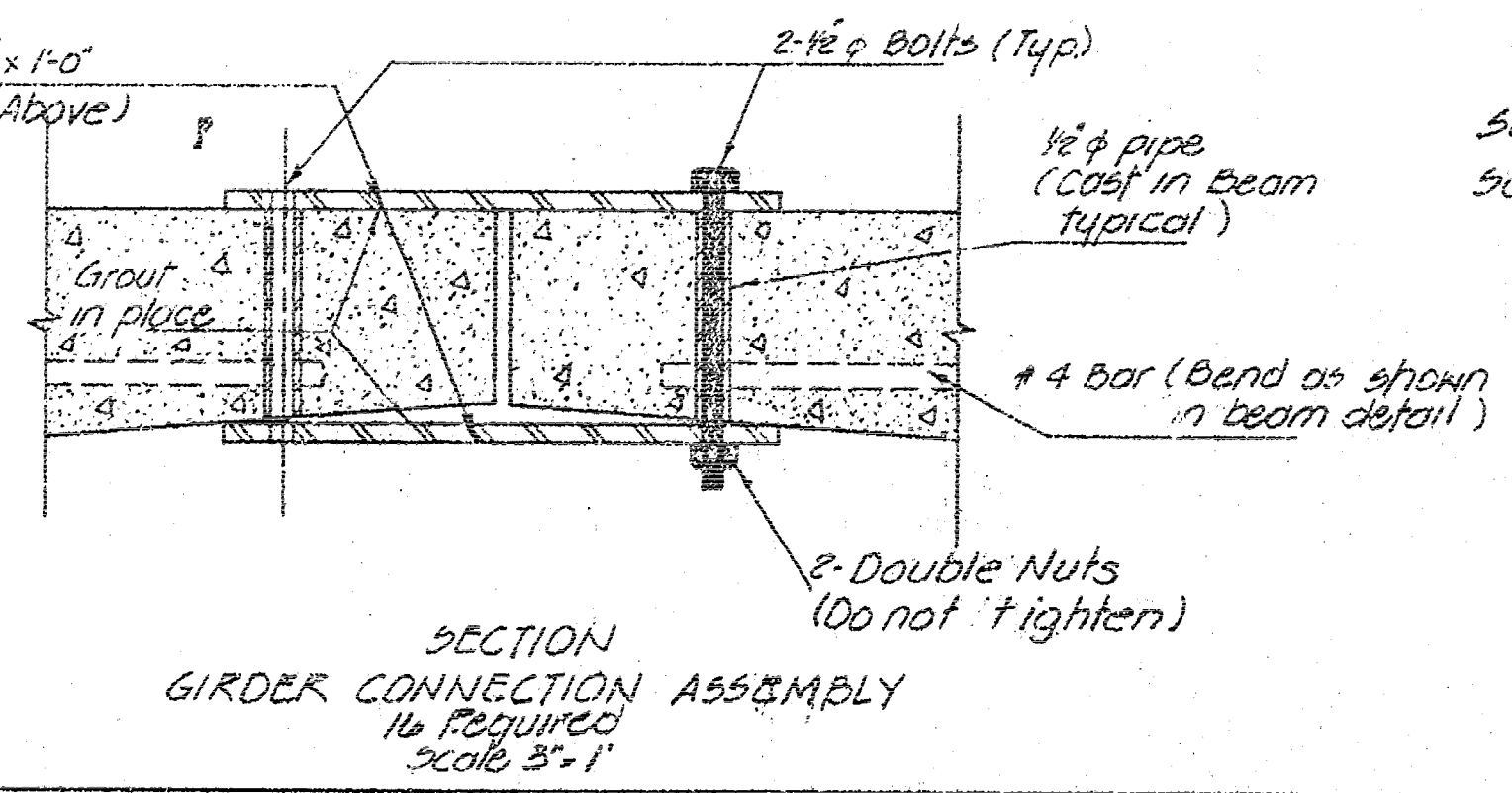
ELEVATION INTERIOR GIRDER
Scale 1/8" = 1'-0"

* Note: Girder details shown are for H-15-44 Loading. Alternate beams of different section may require revision of abutment, pier and diaphragm dimensions, along with the number of bearing pads and methods of tying beams together. All quantity changes shall be taken into account when submitted to the Engineer for approval.



GIRDER SECTION
Scale 1/8" = 1'-0"

SECTION A-A
Scale 3/4" = 1'-0"



REINFORCING STEEL ABUTMENTS - PIER & CURBS				
BAR	NO.	SIZE	LENGTH	
A	12	#8	14'-9"	
P	30	#4	7'-6"	
P	40	#6	7'-6"	
D	12	#4	17'-9"	
D	32	#4	8'-6"	
D	32	#4	6'-6"	
D	12	#4	13'-9"	
N	10	#7	9'-0"	
N	20	#7	5'-9"	
N	24	#4	3'-7"	
N	24	#4	3'-5"	
C	10	#4	22'-10"	

REINFORCING STEEL PRESTRESSED BEAMS				
BAR	NO.	SIZE	LENGTH	
B	522	#6	3'-9"	
B	132	#5	23'-0"	
B	372	#4	3'-2"	
B	8	#4	7'-9"	
B	88	#4	3'-8"	
B	32	#4	3'-0"	

GENERAL NOTES

CONCRETE: All concrete shall be class 4. Bavel all exposed edges with a 1" triangular moulding unless otherwise noted.

REINFORCING STEEL: All dimensions shown relative to placing reinforcing steel are to 6" of bars unless otherwise noted. All dimensions shown in the bending diagrams are out to out of the bars.

STEEL STRAND: Steel strand for prestressed concrete shall conform to Type 270 K of the KSHC specifications. Beam strands shall be accurately positioned as shown with an initial load of 4,100 lbs.

CONCRETE STRENGTH: Concrete strength at the time of transfer of prestressing force to the unit shall be as follows:
Prestressed concrete beams - 4,000 psi
Prestressed concrete piles - 3,000 psi

STRUCTURAL STEEL: Structural steel plates and rolled sections shall be ASTM A-7 or ASTM A-36 fabricated to the dimensions and details as shown. All welds to comply with The American Welding Society.

All metal surfaces shall be properly cleaned and receive one shop coat of lead base paint and two applications of Aluminum paint.

PRESTRESSED CONCRETE BEAMS: Alternate Prestressed beams of different section, either prestressed or post-tensioned may be accepted, but should have approval of the Engineer prior to submittal of bids.

REINFORCING BAR SCHEDULE: Reinforcing bars listed above are for information only as the spacing shown in the details will determine the final quantity.

PRESTRESSED CONCRETE BEAM
AUXILIARY DETAILS

JOYLAND PARK BRIDGE
DEPARTMENT OF PUBLIC WORKS
CITY OF NICHITA
PROFESSIONAL ENGINEERING CONSULTANTS

Scale	Checked	Drawn by	Date	File No	Sheet
as noted	C.J.F.	R. Rogers	Dec 66	6625	5 of 5

Received 3/20 DEC 29 1966