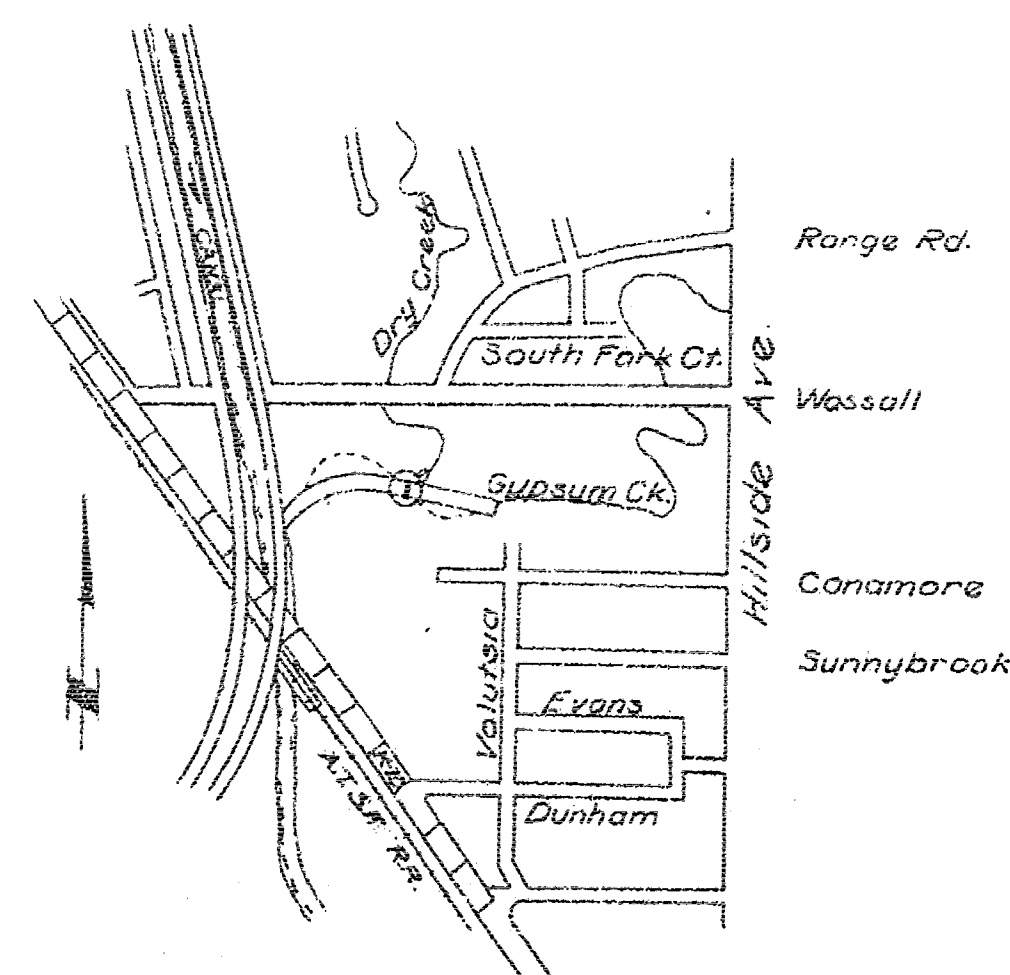
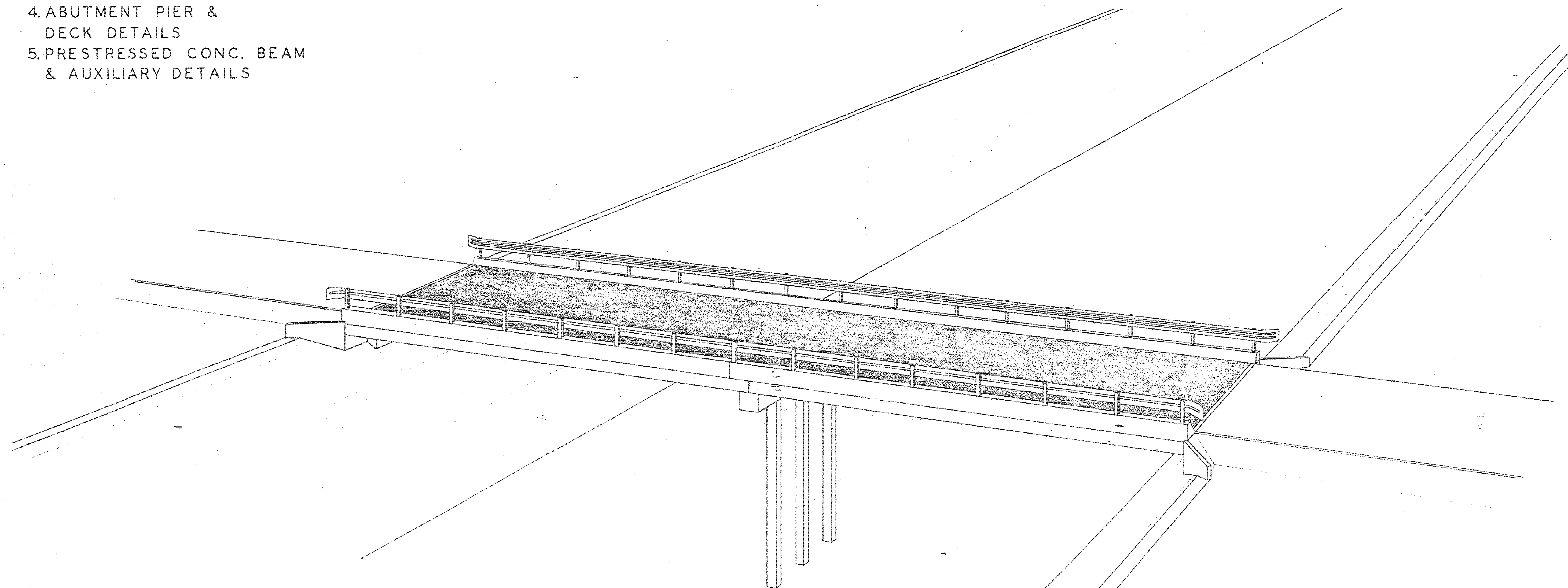


INDEX OF SHEETS:

1. TITLE
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& AUXILIARY DETAILS

BRIDGE AT JOYLAND HILLSIDE PARK

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APPROVED FOR JOYLAND HILLSIDE PARK INC.

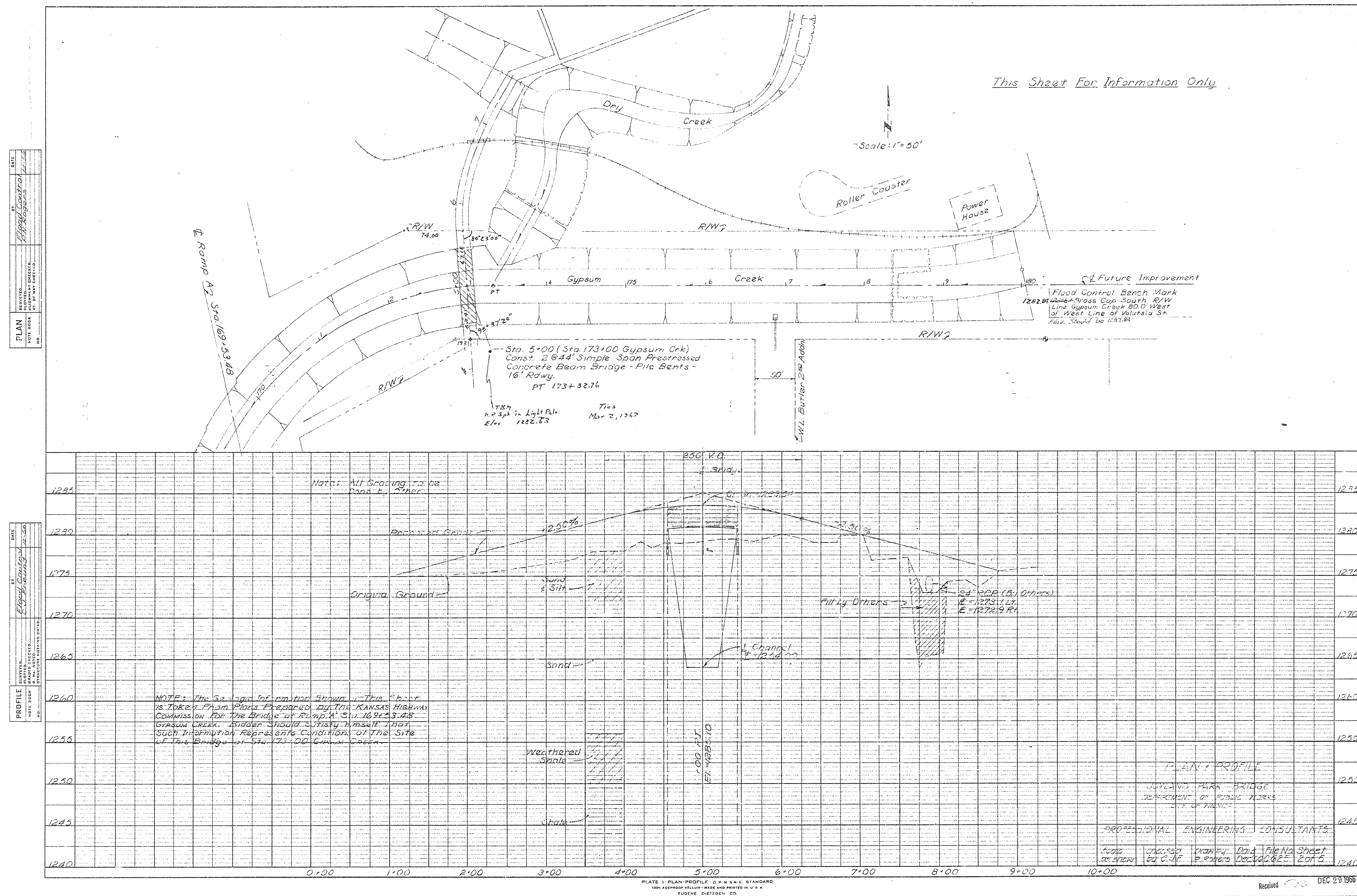
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TITLE: Secy. Treasurer
DATE: January 9, 1967

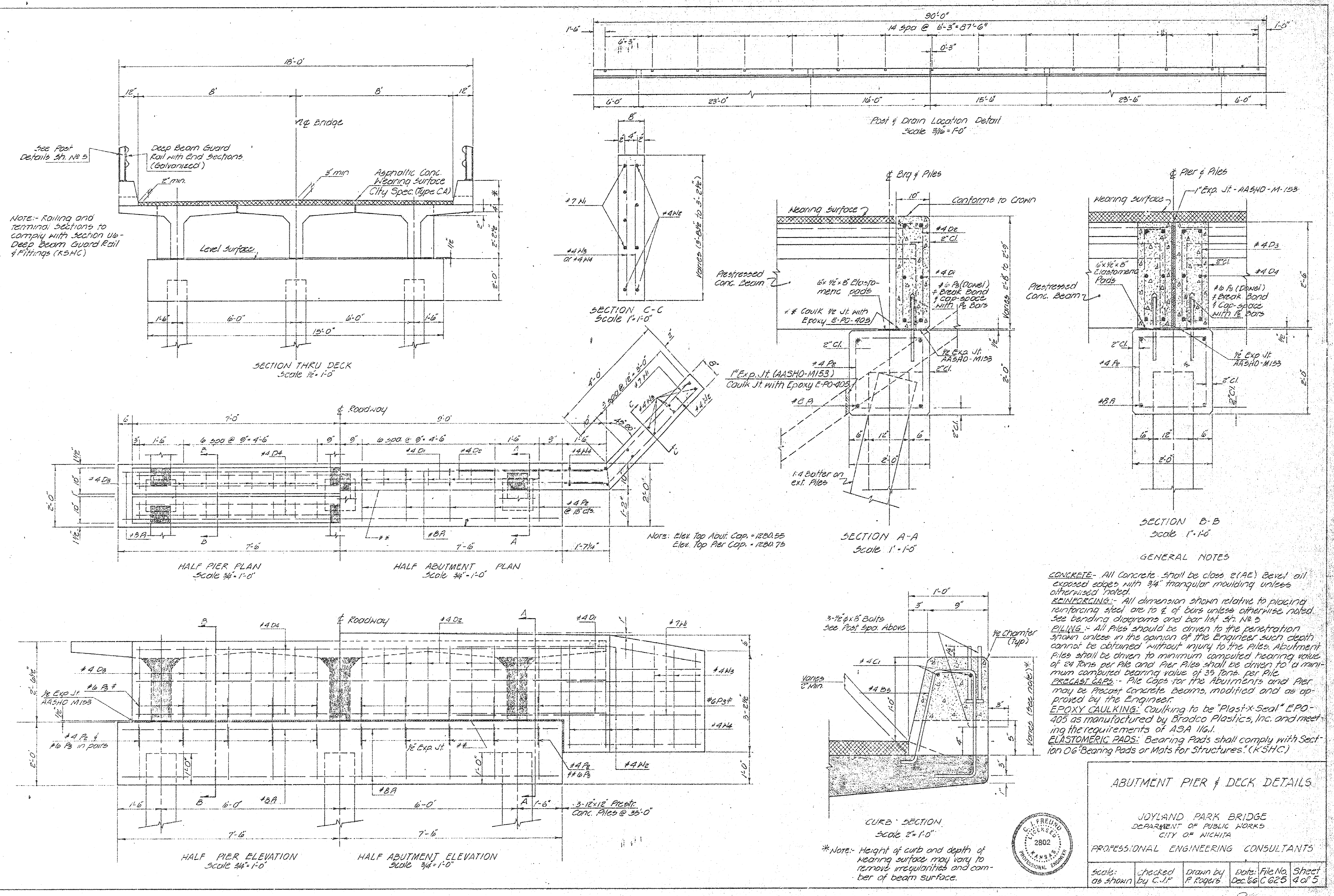
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DEPARTMENT OF PUBLIC WORKS
MAINTENANCE DIVISION

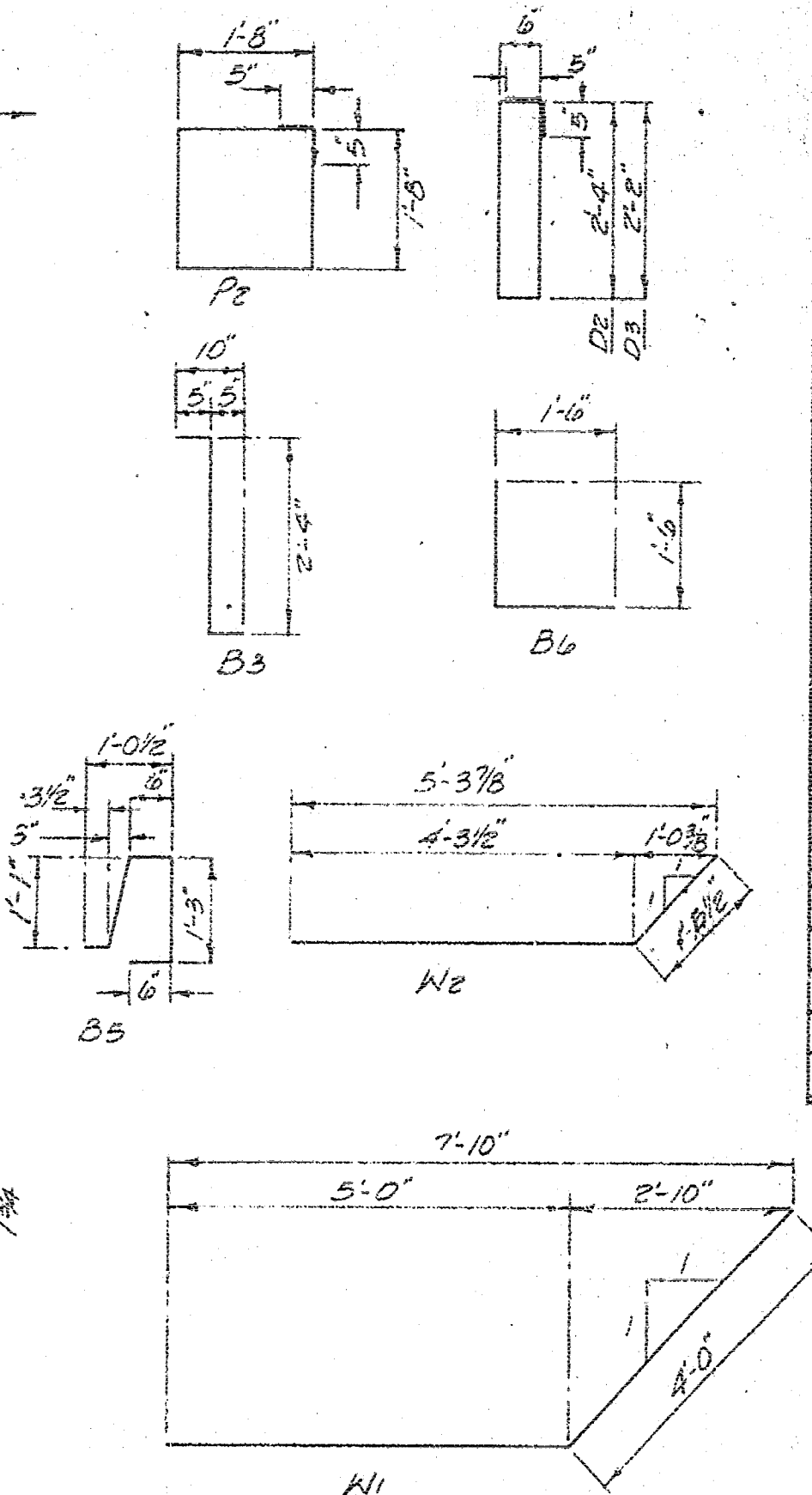
PROFESSIONAL ENGINEERING CONSULTANTS

WICHITA, KANSAS

1966



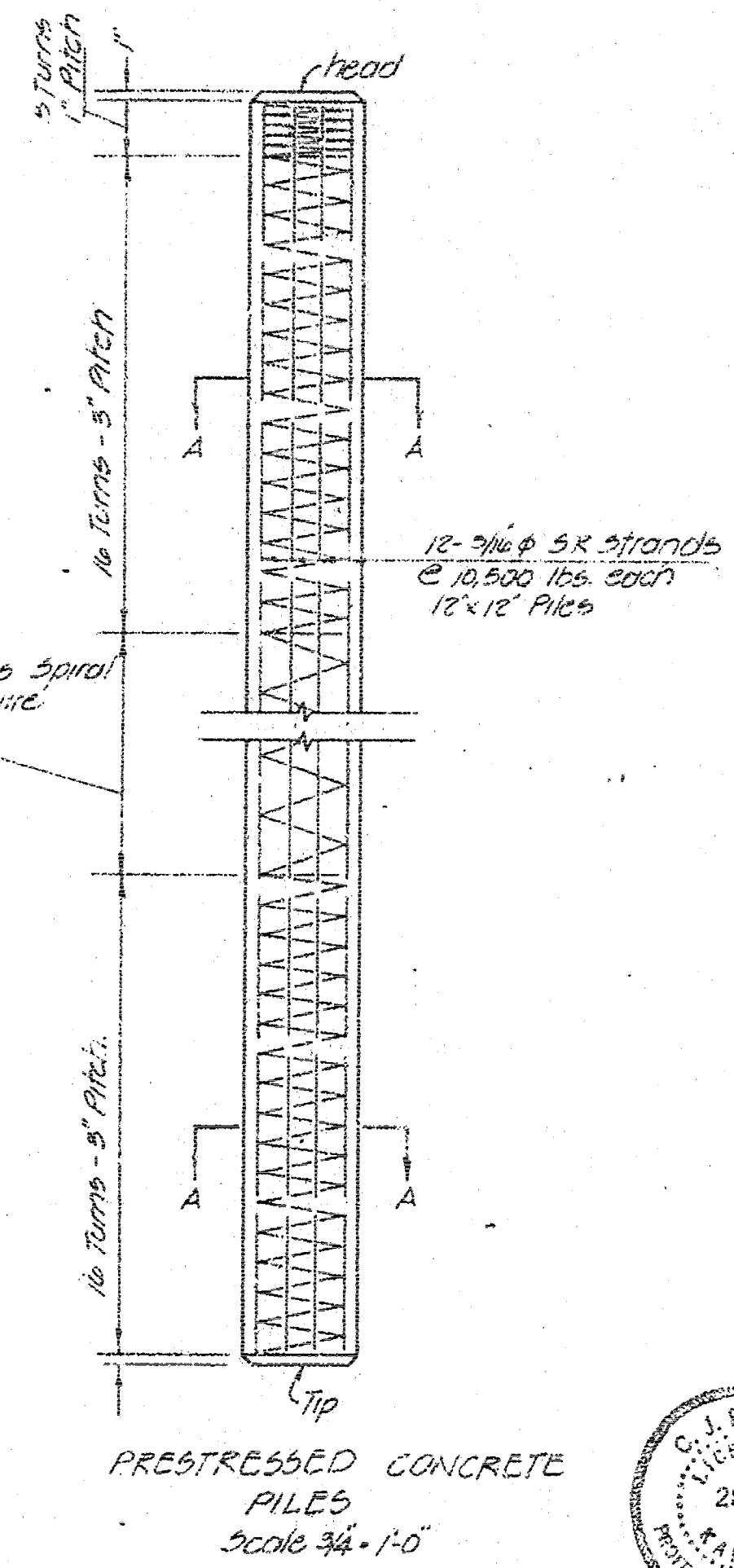
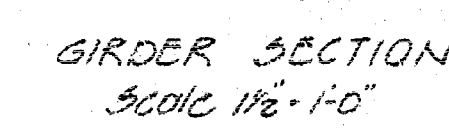
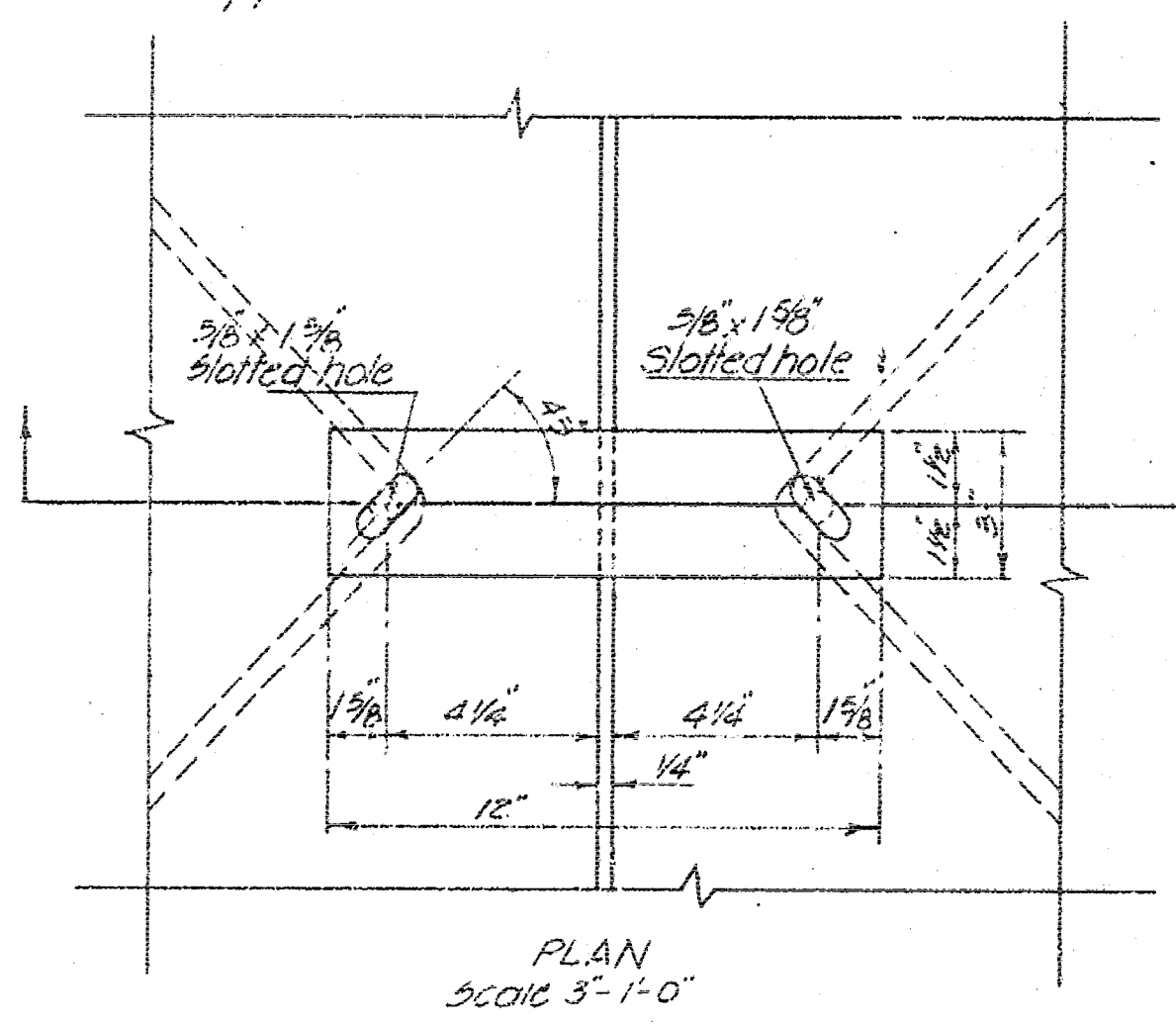




BAR	NO	SIZE	LENGTH
P	12	#8	14'-9"
P ₂	30	#4	7'-6"
P ₃	40	#6	1'-6"
D ₁	12	#4	17'-9"
D ₂	32	#4	6'-6"
D ₃	32	#4	6'-2"
D ₄	12	#6	13'-9"
N ₁	16	#7	8'-0"
N ₂	20	#2	5'-9"
N ₃	24	#4	3'-1"
N ₄	24	#4	3'-5"
C ₁	16	#4	8'-10"

REINFORCING STEEL ABUTMENTS - PIER & CURBS			
BAR	NO	SIZE	LENGTH
B ₁	582	#6	5'-0"
B ₂	132	#5	33'-0"
B ₃	372	#4	3'-2"
B ₄	8	#4	1'-0"
B ₅	66	#4	3'-8"
B ₆	35"	#4	3'-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.



GENERAL NOTES

CONCRETE: All concrete shall be class 4 level, all exposed edges with a 1" beveled angular moulding unless otherwise noted.

REINFORCING STEEL: All dimensions shown relative to placing reinforcing steel, are based on bars with lap splices 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 270K of the AISC Specification. Strand strands shall be accurately positioned as shown with an initial load of 4180 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

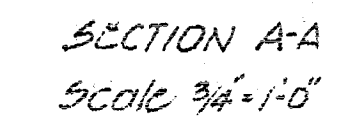
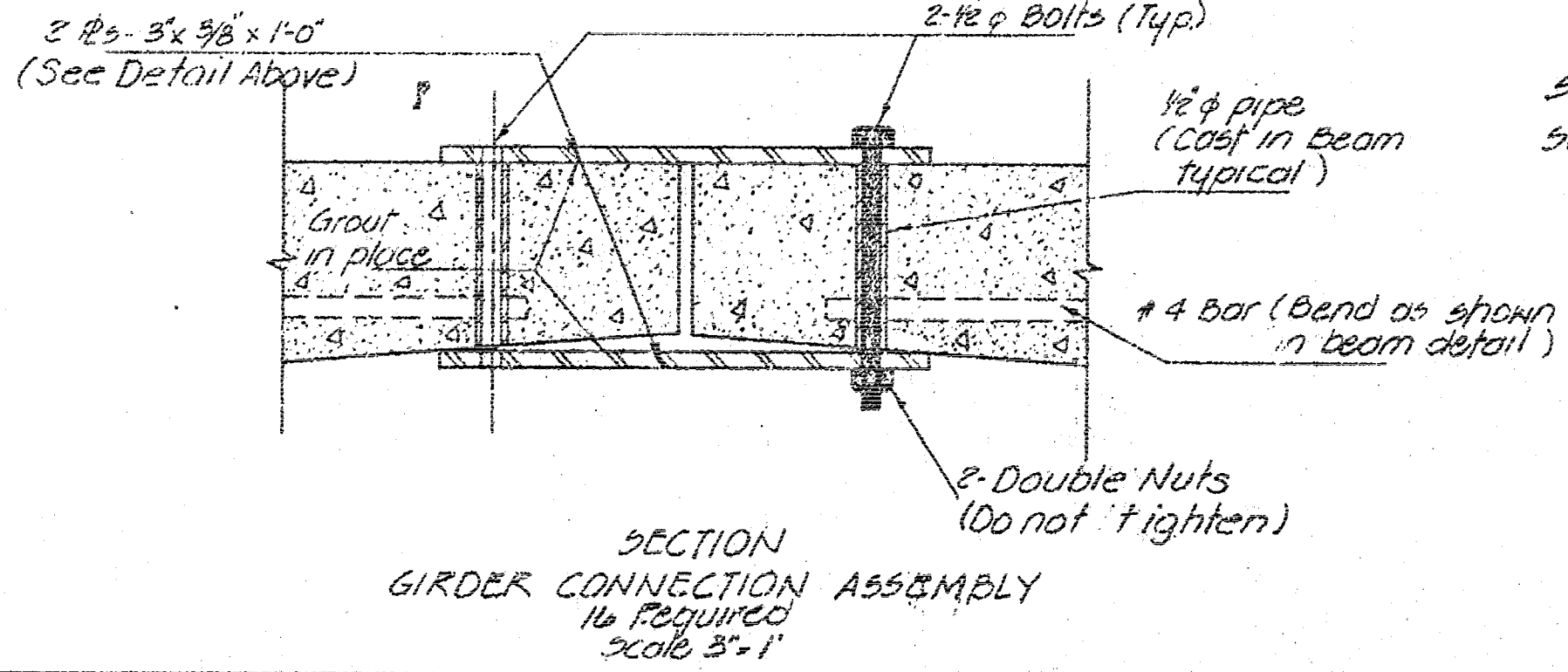
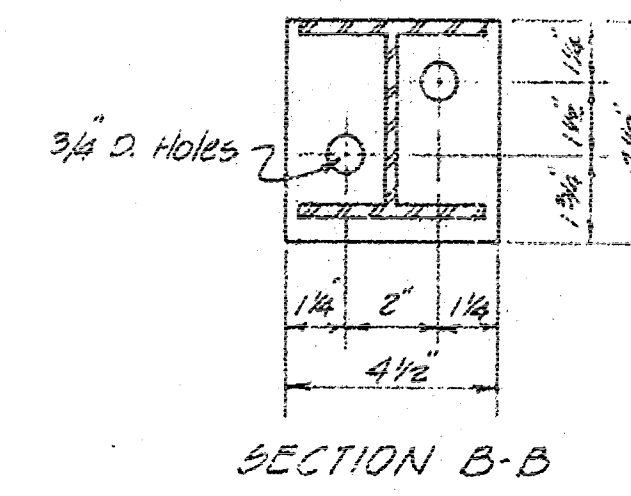
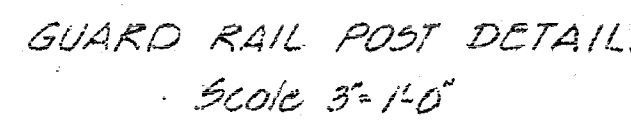
STRUCTURAL STEEL: Structural steel plates and rolled sections shall be ASTM A-1 or ASTM A-36 fabricate to the dimensions and details as shown.

All welds to comply with The American Welding Society.

All metal surfaces shall be properly cleaned and receive one shop coat of red lead paint and the applications of aluminum paint.

PRESTRESSED CONCRETE BEAMS: Alternate Prestressed Beams of different section, either pre-tensioned 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 CONC BEAM
AUXILIARY DETAILS

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

Scale as noted	checked by: C.J.F.	Drawn by P. Rogers	Date:-- Dec 1991	File No CG25	Sheet 5 of 5
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DEC 29 1966