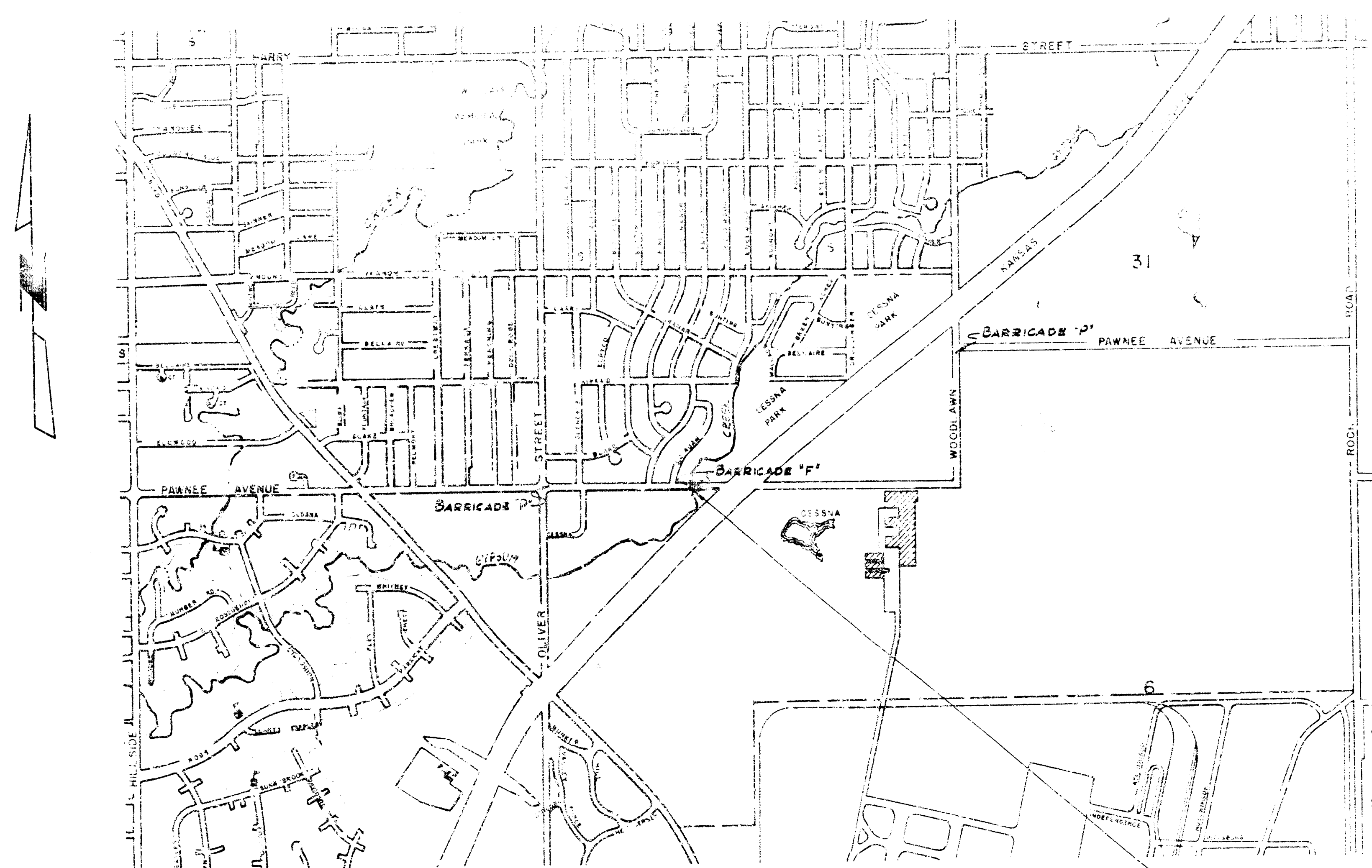


PAWNEE AVENUE BRIDGE

OVER

GYPSUM CREEK

WICHITA, KANSAS



INDEX OF SHEETS.

Sheet No.	1.	Title Sheet
"	2.	Cont. Map
"	3.	Construction Layout
"	4.	Abutment Details
"	5.	Pier Details
"	6.	Prestressed Beam Details
"	7.	Superstructure Details
"	8.	Standard Pier Details
"	9.	Box Supports, Bridge Excavation, Handrail Details & Summary of Quantities

DEPARTMENT OF PUBLIC WORKS

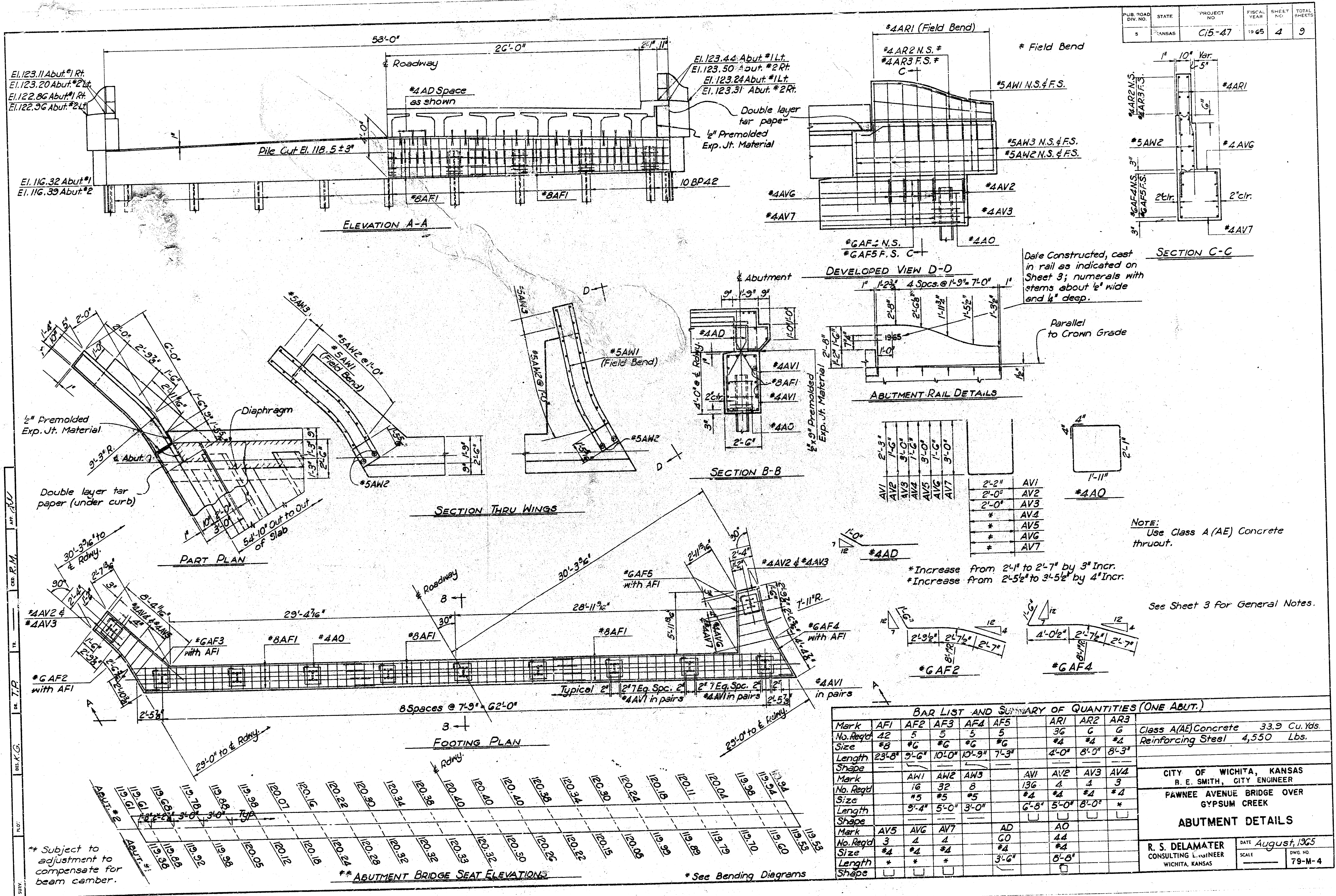
CITY OF WICHITA

B. E. SMITH, CITY ENGINEER

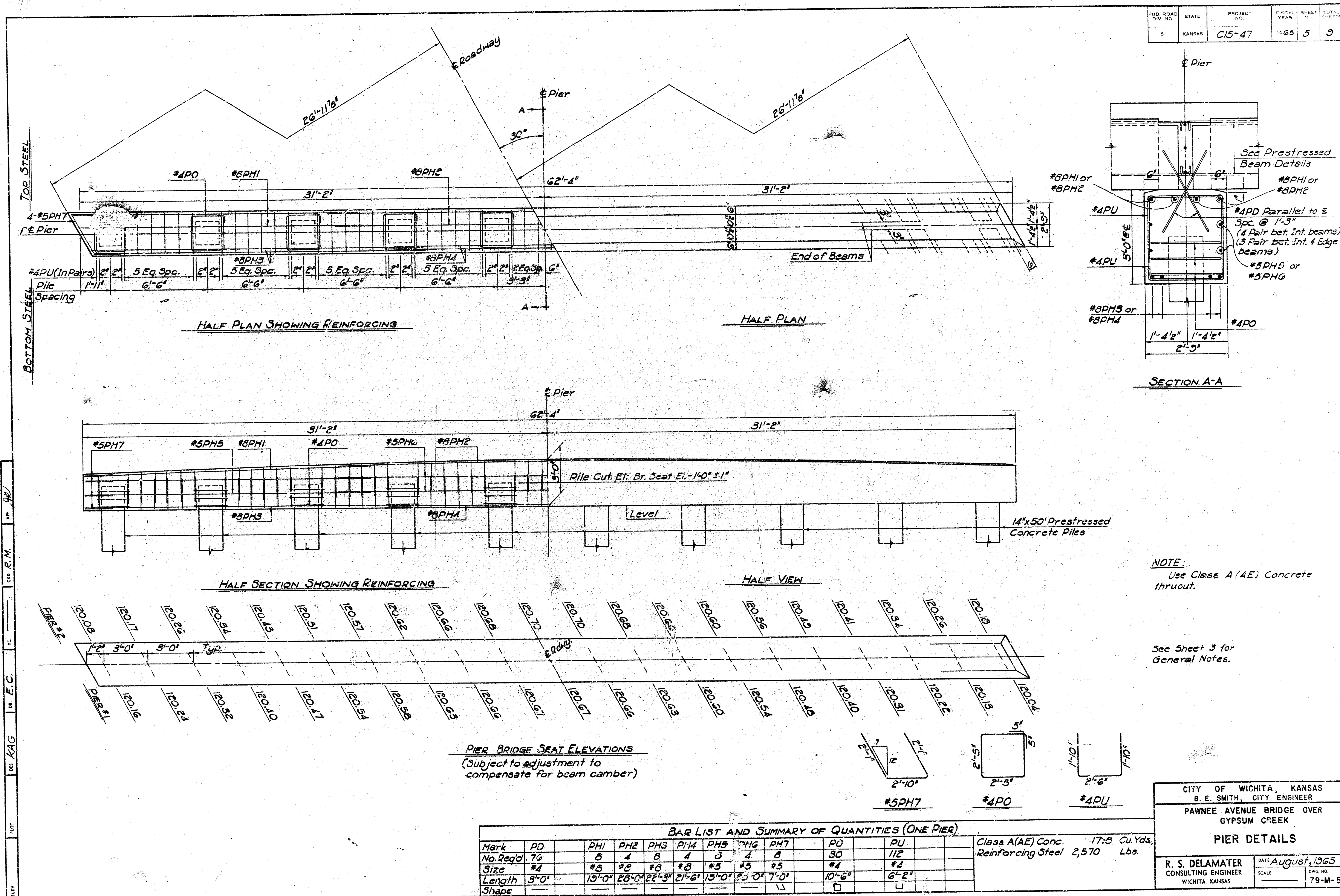
PROJECT C15-47

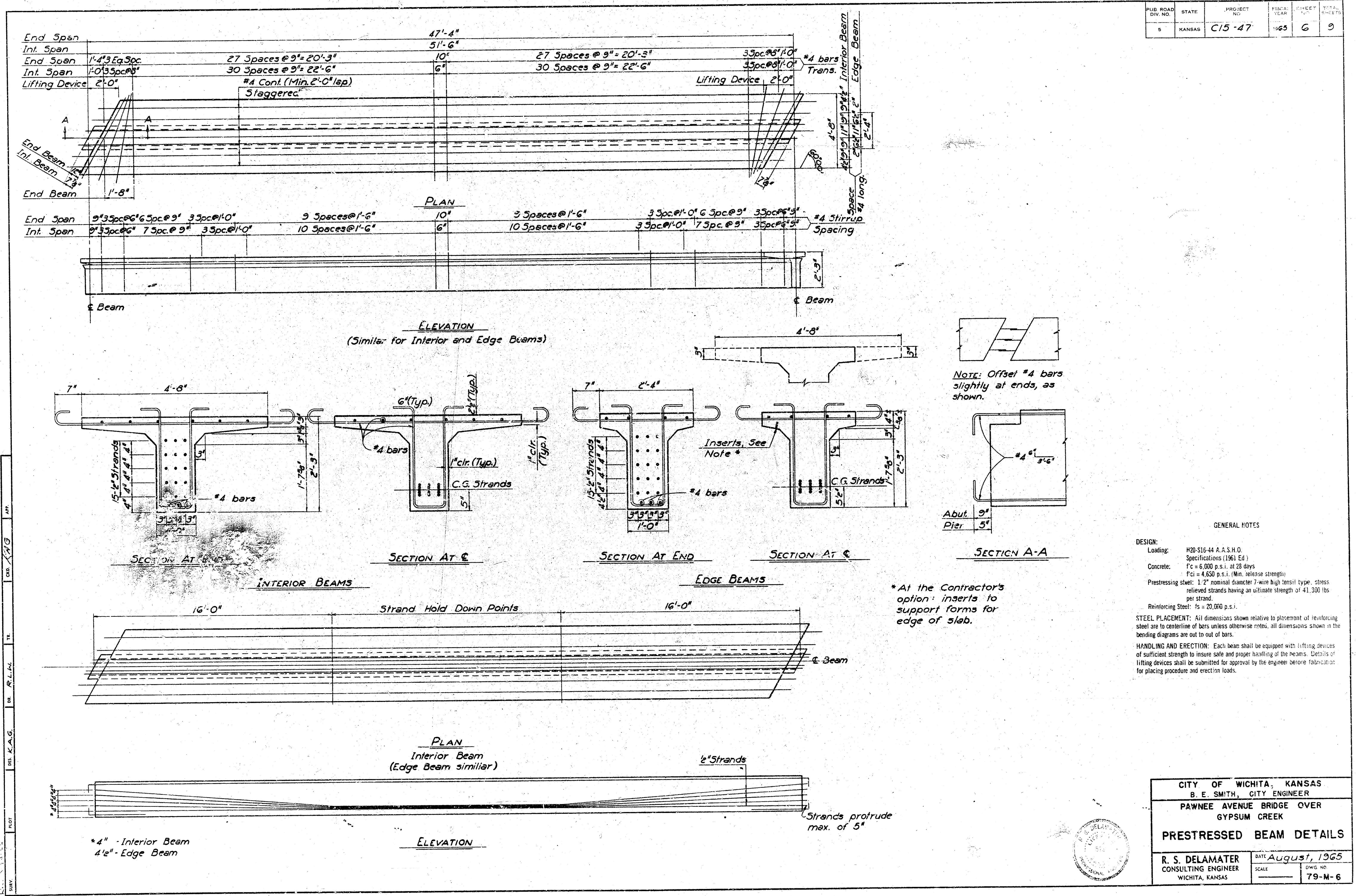
PLANS PREPARED BY
H. S. DELAMATER, CONSULTING ENGINEER
WICHITA, KANSAS
AUGUST, 1965

PROJECT LOCATION



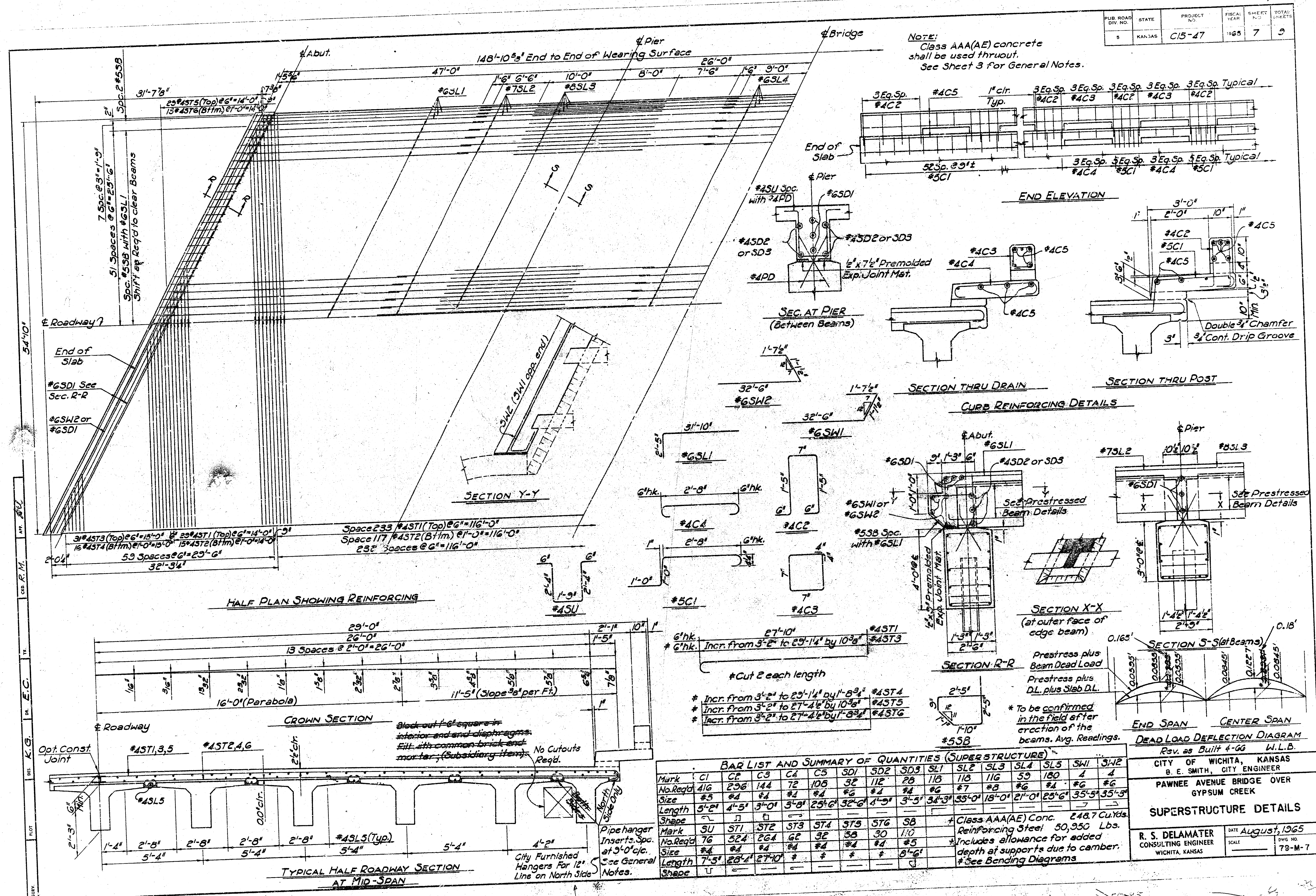
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5	KANSAS	C15-47	1965	5	9



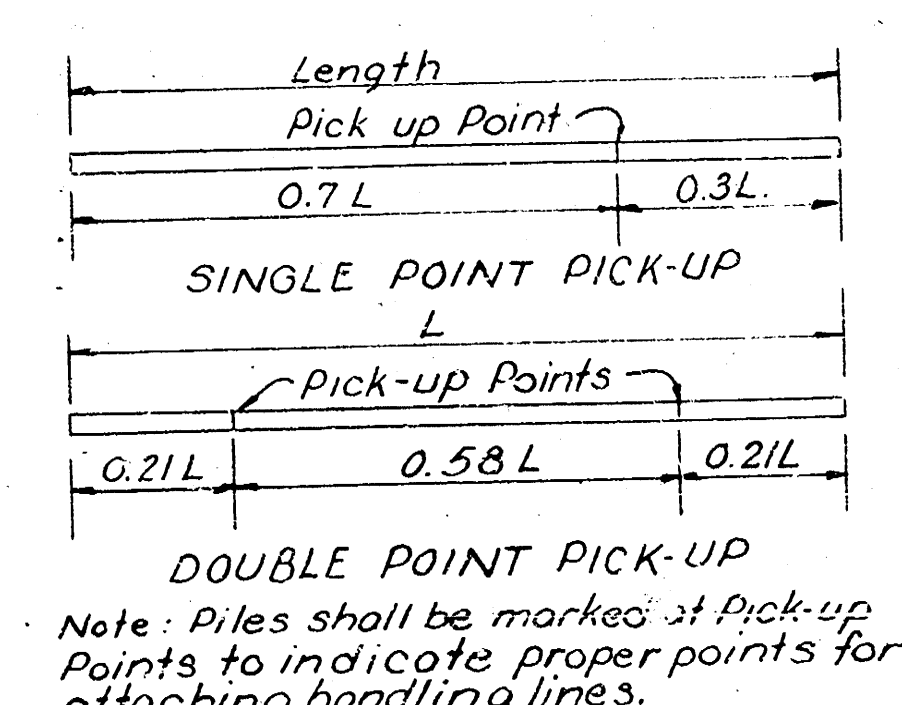
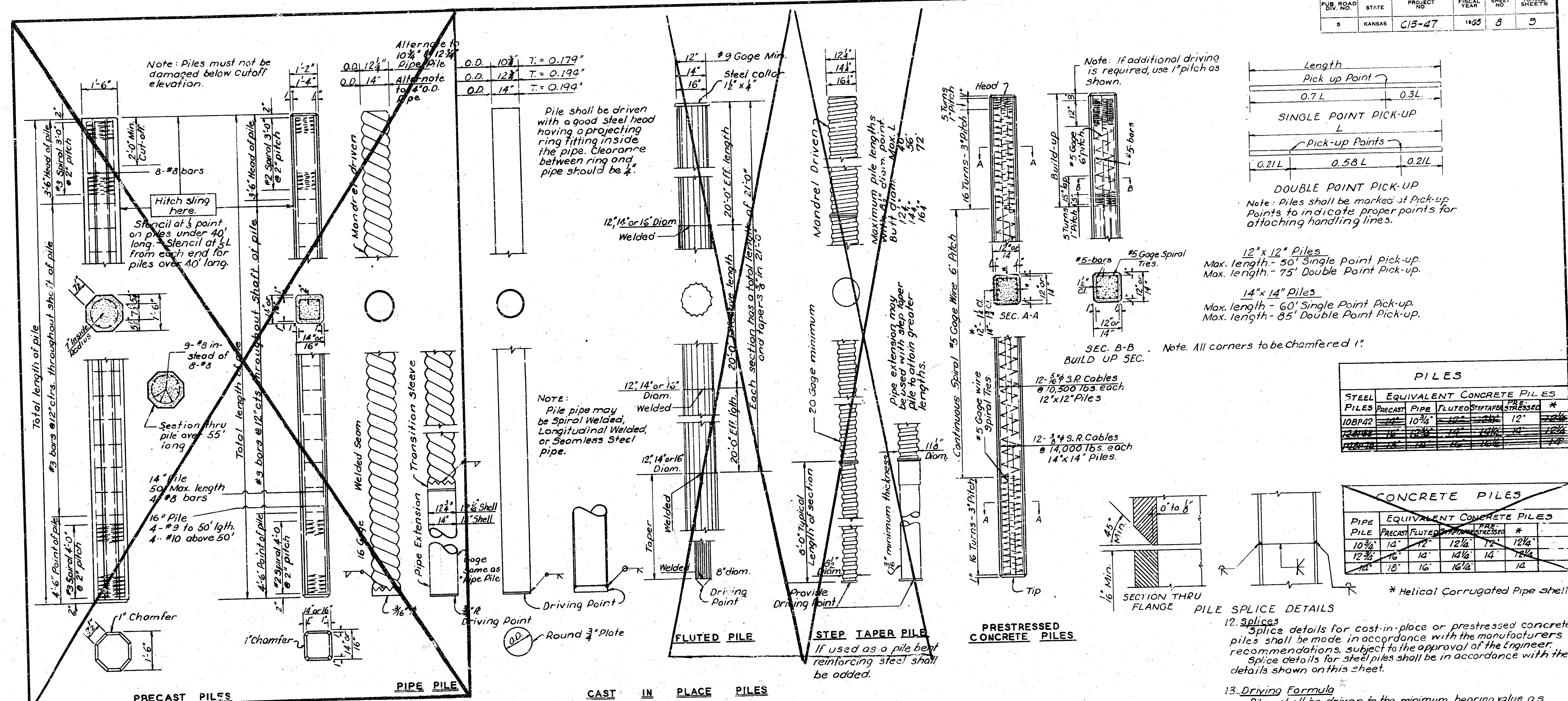


PUB. ROAD DIV. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
5	KANSAS	C15-47	6	9

CITY OF WICHITA, KANSAS	
B. E. SMITH, CITY ENGINEER	
PAWNEE AVENUE BRIDGE OVER GYPSUM CREEK	
PRESTRESSED BEAM DETAILS	
R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS	DATE August, 1965 SCALE DWG. NO. 79-M-6



PUR. NO.	STATE	PROJECT	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	C15-47	1965	8	9



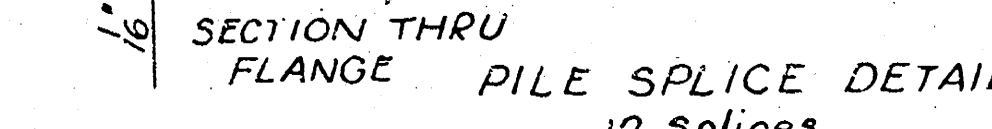
DOUBLE POINT PICK-UP
 Note: Piles shall be marked at Pick-up Points to indicate proper points for attaching handling lines.

12" x 12" Piles
 Max. length - 50' Single Point Pick-up.
 Max. length - 75' Double Point Pick-up.

14" x 14" Piles
 Max. length - 60' Single Point Pick-up.
 Max. length - 85' Double Point Pick-up.

STEEL PILES	EQUIVALENT CONCRETE PILES
PIPE	PIPE
108" x 12"	108" x 12"
126" x 12"	126" x 12"
144" x 12"	144" x 12"
162" x 12"	162" x 12"

CONCRETE PILES	EQUIVALENT CONCRETE PILES
PIPE	PIPE
108" x 12"	108" x 12"
126" x 12"	126" x 12"
144" x 12"	144" x 12"
162" x 12"	162" x 12"



12. Splices
 Splice details for cast-in-place or prestressed concrete piles shall be made in accordance with the manufacturers' recommendations, subject to the approval of the Engineer.

13. Driving Formula
 Piles shall be driven to the minimum bearing value as specified on the Construction Layout as determined by the driving formulas stipulated in the Specifications.

14. Mill Test Reports
 Notarized mill test reports, in triplicate, shall be furnished by the contractor for all steel pile and cast-in-place pile shells.

15. Payment
 Payment for all piles will be made as set forth in the specifications.

General Notes

- 1. Specifications**
 Standard Specifications for State Road and Bridge Construction as currently used by State Highway Commission of Kansas.
- 2. Choice of Piles**
 Where Piles are specified, the contractor may elect to use either the steel pile specified on the footing plans or the equivalent precast concrete, cast-in-place concrete or prestressed concrete pile shown in the table on this sheet. Where Concrete Piles are specified the Contractor may elect to use either the size and type concrete pile specified on the footing plans or the equivalent precast concrete, cast-in-place concrete or prestressed concrete pile shown in the table on this sheet. Other types of concrete piles not shown here are subject to the approval of the Engineer. Prestressed concrete piles, Helical corrugated pipe shell or Step taper piles shall not be used for abutments without expansion joints on bridges more than 120 ft. long.
- 3. Concrete**
 All concrete for Precast and Cast-in-place shall be Class "A" 4000 p.s.i. Concrete for Prestressed piles shall be Class AAA 4000 p.s.i.
- 4. Reinforcement**
 Reinforcing bars shall be new billet steel of intermediate grade without exception. Hoops and spirals may be either plain or deformed bars.

- 5. Precast Piles**
 Precast piles shall conform to the requirements of Sub-Section G1-7.
- 6. Cast-in-Place Shells**
 A. Pile shells shall have a minimum thickness as follows:
 1. Piles driven without mandrel - Use gages or thicknesses shown above, except fluted pile use No. 9 gage minimum.
 2. Piles driven with mandrel shell shall be of sufficient strength and thickness to withstand driving without injury and to resist harmful distortion and/or buckling due to soil pressure after being driven and the mandrel removed.
 B. The contractor shall maintain on the job at all times prior to and during the filling of the shells, a light suitable for their inspection.
 C. Improperly driven, broken or otherwise defective shells shall be removed and replaced or otherwise corrected to the satisfaction of the Engineer by removal and replacement, or the driving of an additional pile at no extra cost.

- 7. Steel Piles**
 Steel pile material shall meet the requirements of A.S.T.M. A7.
- 8. Pile Points**
 All Cast-in-place piles except mandrel driven piles shall be equipped with a steel driving point of 3/4" minimum thickness. Driving points shall be mill welded to the pile. Steel piles shall have a square cut end only. No driving point is required.
- 9. Welding**
 All field welding shall meet the requirements of Article G1-6 specifications.
- 10. Paint**
 Shall comply with the Kansas Standard Specifications, 1960 Edition.
- 11. Test Piles**
 Test piles shall be driven where called for on the Bridge plans. All test piles shall be located so that they will become part of the Bridge pile system.

NO.	DATE	REVISIONS	BY	APP'D.
1	4-8-62	Add Longitudinal Welded Pipe pile	J.C.L.	T.W.O.
2	2-27-61	Revise Choice of Pile note, Ex. 5.	J.C.L.	T.W.O.
3	2-27-61	Revise Pipe Pile General Note	J.C.L.	T.W.O.
4	1-24-61	Remove hole in Prestressed Conc. Pile	J.C.L.	T.W.O.

STATE HIGHWAY COMMISSION OF KANSAS

STANDARD PILE DETAILS

STD. NO. 102

