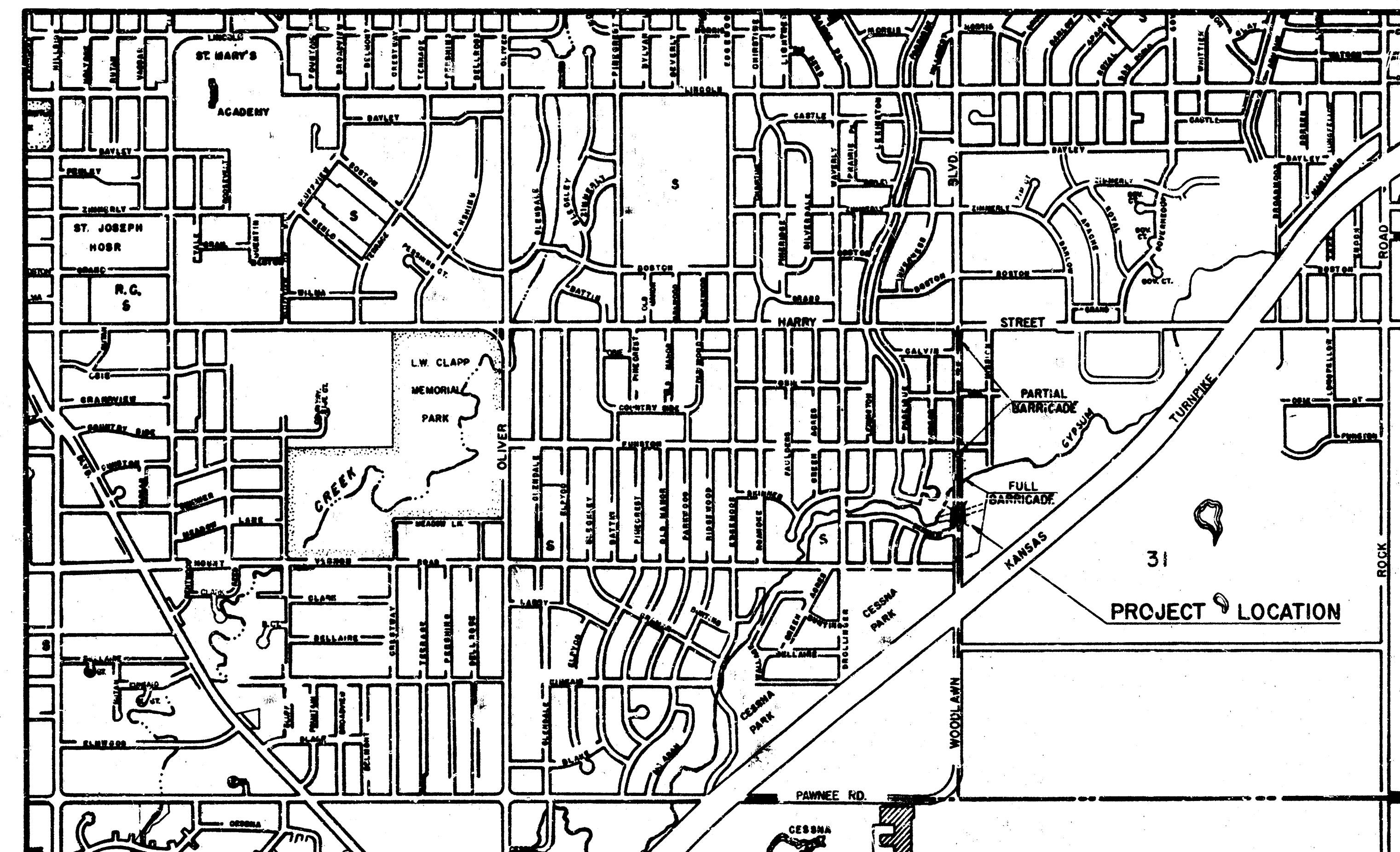


WOODLAWN BRIDGE

OVER

GYPSUM CREEK



CITY OF WICHITA

DEPARTMENT OF PUBLIC WORKS

R. W. BRUGGEMAN, P.E. DIRECTOR OF PUBLIC WORKS

R. W. LINN, P.E. CITY ENGINEER

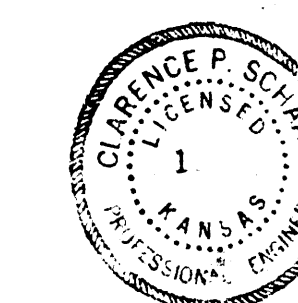
R. S. DELAMATER & ASSOCIATES, WICHITA, CONSULTING ENGINEERS

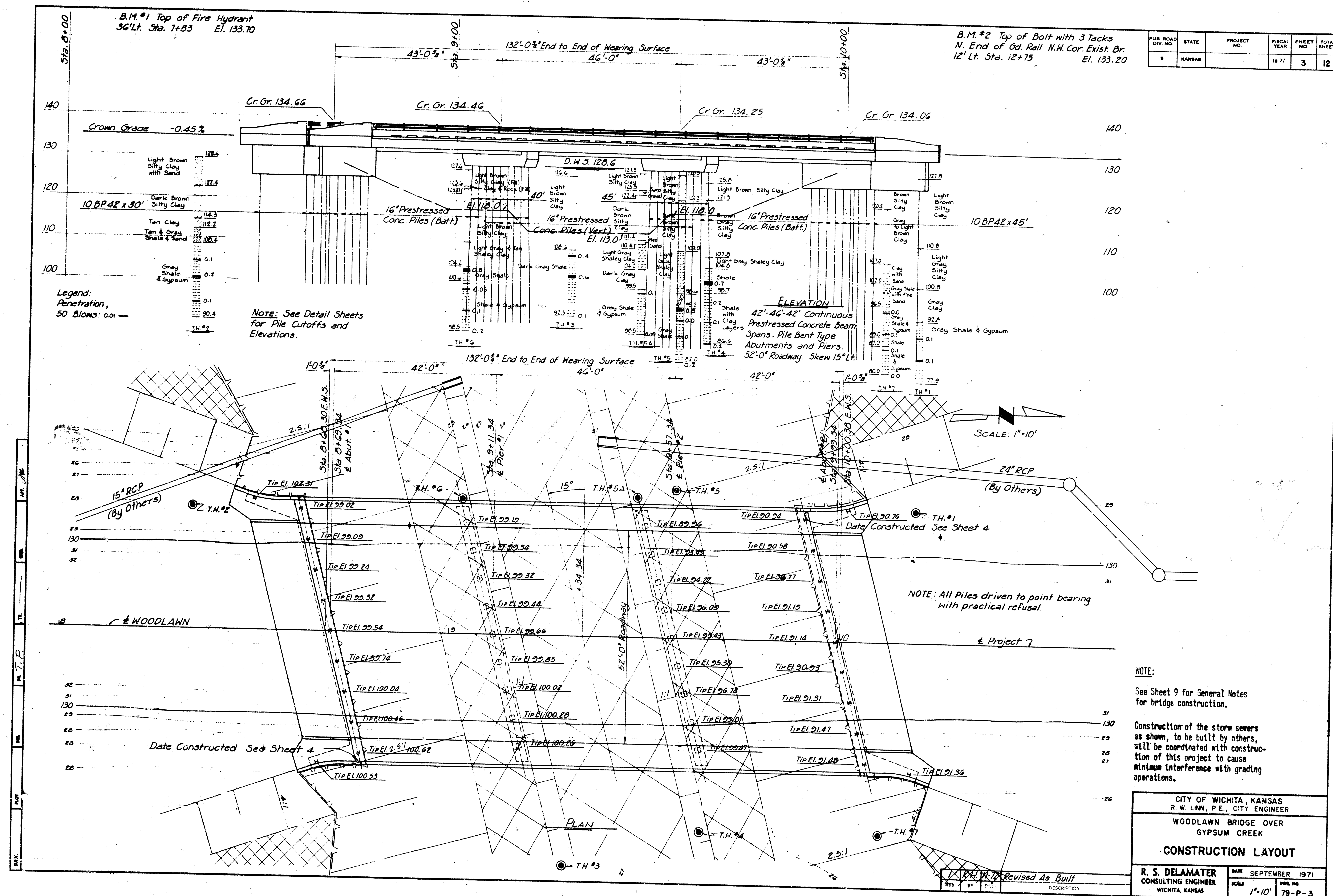
PROJECT DAKB 571018

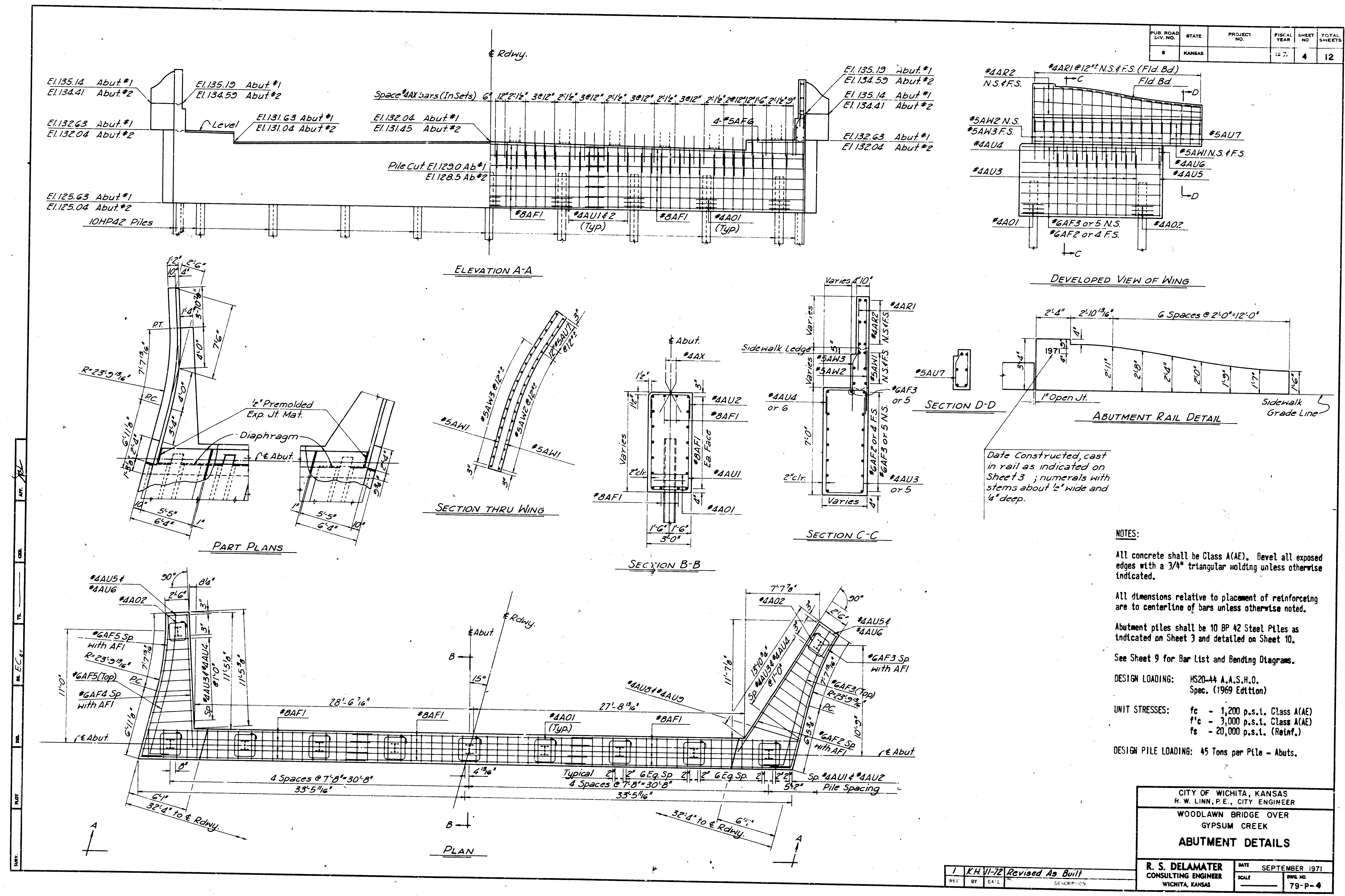
SEPTEMBER, 1971

INDEX OF SHEETS

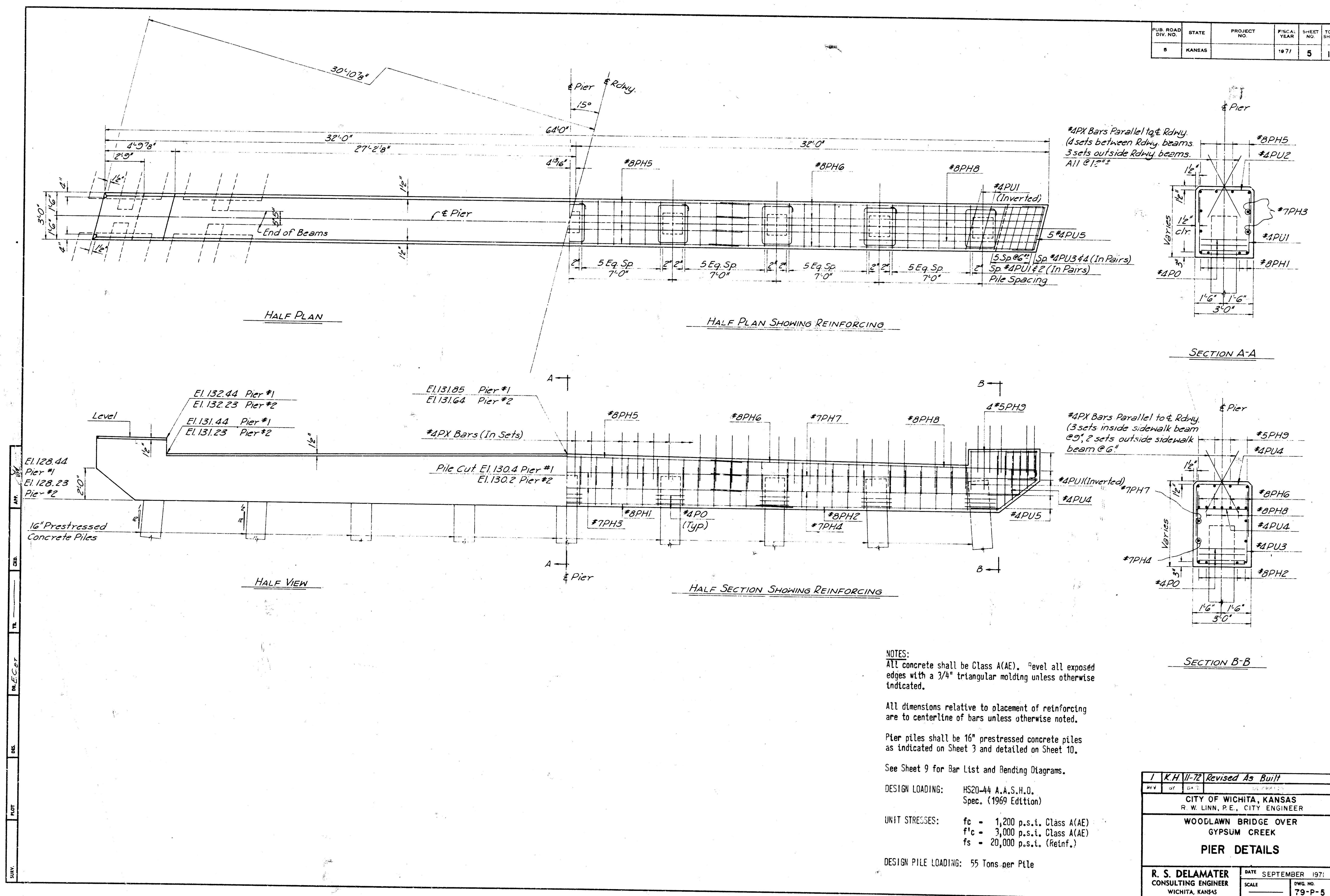
Sheet No.	Description
1.	Title Sheet
2.	Contour Map
3.	Construction Layout
4.	Abutment Details
5.	Pier Details
6.	Prestressed Beam Details
7.	Superstructure Layout
8.	Superstructure Details
9.	Auxiliary Details
10.	Standard Pile Details
11.	Approach Slab Details
12.	Bar Supports, Bridge Excavation, Handrail Details, and Summary of Quantities

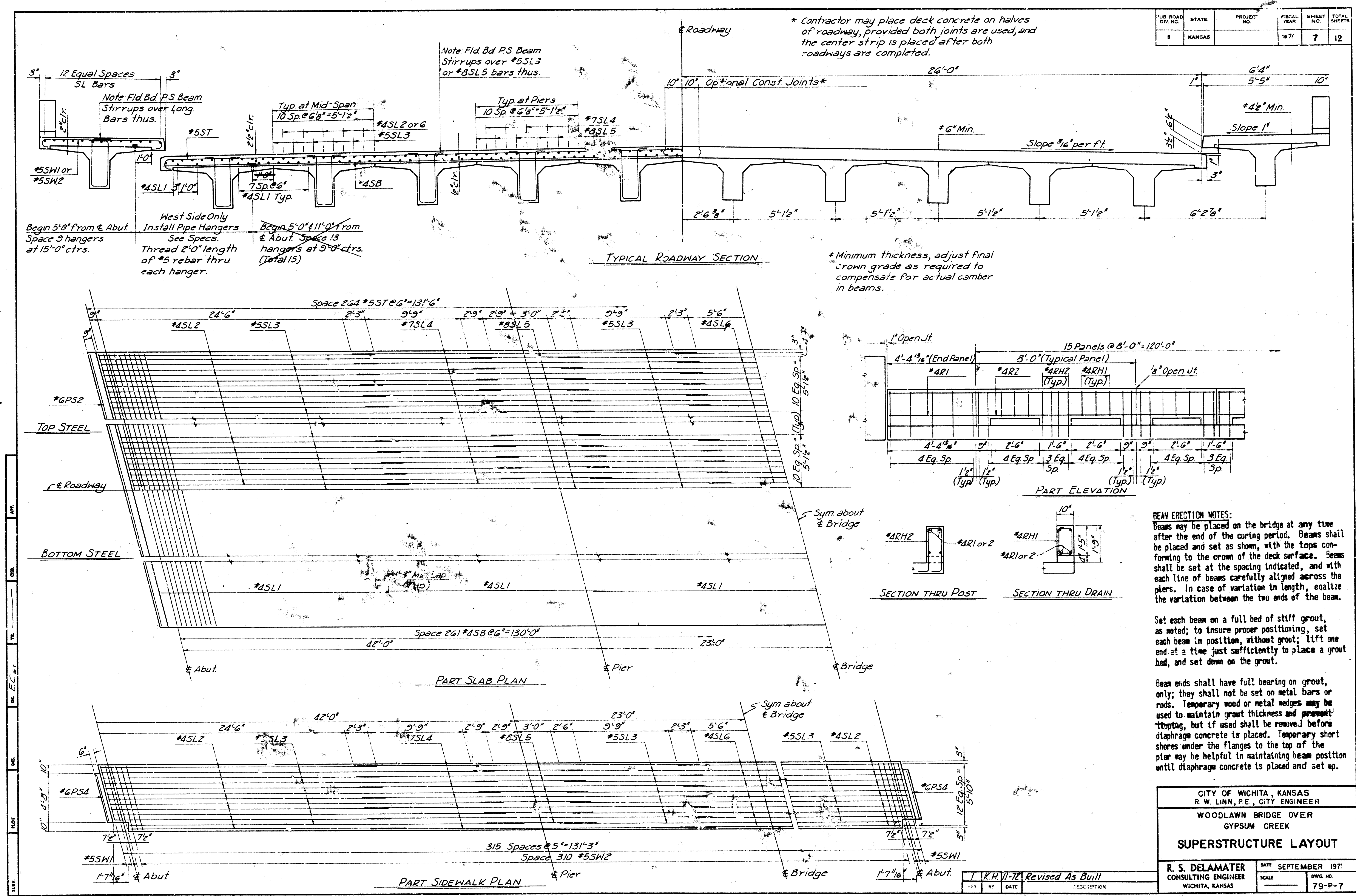






PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	KANSAS		1971	5	12





PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	KANSAS		1977	6	12

#4AX
#5AW3

#6PSI
#6PSS

#5AU7

* Incr from 2'-4" to 4'-6" by 3 1/2"
Cut 4 Ea Lgth
** Incr from 2'-4" to 4'-6" by 3 1/4"
Cut 4 Ea Lgth
*** Incr from 1'-7 1/2" to 3'-6" by 4 1/2"
Cut 4 Ea Lgth.

#4DV5	2'-0"	#4AUI	2'-8"
#4PU4	1'-3"	#4AU2	2'-8"
#4PU3	**	#4AU3	*
#4PU2	1'-9"	#4AU4	**
#4PU1	2'-6"	#4AU5	2'-2"
#4AU9	1'-4"	#4AU6	2'-2"
#4AU8	G-6"	#4AU7	4'-8"
#4AU6	1'-4"	#4AU8	4'-8"
#4AU5	G-6"	#4AU9	2'-9"
#4AU4	1'-4"	#4PU1	2'-9"
#4AU3	G-6"	#4PU2	2'-9"
#4AU2	2'-4"	#4PU3	2'-9"
#4AU1	5'-6"	#4PU4	2'-9"
		#4DV5	9"

GENERAL NOTES:

EXISTING STRUCTURE: The Contractor shall remove the existing structure, consisting of 100', three span steel beam bridge, on wood pile piers and abutments, with laminated timber deck; salvage to become the property of the Contractor, to be removed from the job.

COMPACTED EMBANKMENTS: The Contractor shall construct the embankments and the berms at the abutments as shown on Sheet No. 3 and on the Contour Map prior to construction of the bridge.

BRIDGE EXCAVATION: All bridge excavation shall be Class III. See Sheet 12 for limits of pay excavation.

SOUNDINGS: Sounding information shown on Sheet 3 is as obtained from borings made in the field, by Engineering Testing Company, and represents the best information available to the City of Wichita.

PILES: Piles shall be 16" prestressed concrete in piers and 10" steel piles in abutments, as described and detailed on Sheet 10. Piles shall be driven to the penetration shown unless in the opinion of the Engineer such penetration cannot be secured without injury to the pile. All piles shall be driven to a minimum computed bearing value of 45 tons per pile in abutments, 55 tons per pile in piers.

PILE DRIVING: All piles shall be driven with a steam or diesel hammer; if a diesel hammer is used, sufficient hammer data shall be provided to permit rating by the Engineer before driving starts.

CONCRETE: Class A(AE) concrete shall be used in abutments and piers, except for prestressed piles. Class AAA(AE) concrete shall be used in the superstructure, including curbs and diaphragms, except for prestressed beams. Reveal all exposed edges with a 3/4" triangular molding unless otherwise noted.

NOTES:
All dimensions shown in the bending diagrams are out to out of bars unless otherwise noted.
Note that the bar list for Approach Slab is furnished for information only; bar quantities are not included in Reinforcing Steel pay item.

PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	KANSAS		19	9	12

REINFORCING STEEL: All dimensions relative to reinforcing steel placement are to centerline of bars unless otherwise noted. Dimensions shown in bending diagrams are to out of bars.

UTILITY HANGERS: Concrete inserts for pipes and for gas and water lines are to be furnished by the Contractor and installed as shown and detailed.

CONCRETE: Design Loading: HS20-44 A.A.S.H.O. Spec. (1969 Edition)

STRESS:

fc = 1,600 psi Class AAA(AE)

fc = 1,200 psi Class A(AE)

fs = 20,000 psi (Rein.)

f'c = 4,000 psi Class AAA(AE)

f'c = 3,000 psi Class A(AE)

LOADING: 55 tons per pile in piers
45 tons per pile in abutments

QUANTITIES: All quantities shown on these plans shall be used as final pay quantities at that measurement and payment for all common excavation and compaction of subgrade shall be in accordance with the specifications.

MATERIAL REQUIREMENTS: It is the intention these plans and specifications that construction of the bridge shall be in accordance with applicable standard specifications and requirements of the Kansas State Highway Department and that materials shall conform to these specifications unless otherwise specified.

REV	BY	DATE	DESCRIPTION
1	KH V-12	Revised As Built	
CITY OF WICHITA, KANSAS			
E. W. LINN, P.E., CITY ENGINEER			
WOODLAWN BRIDGE OVER GYPSUM CREEK			
AUXILIARY DETAILS			
R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS			DATE SEPTEMBER 1971 SCALE _____ DWG. NO. 79-P-9

