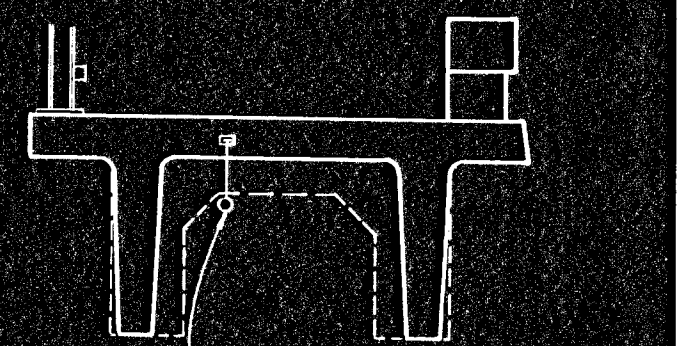


FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 ER-164(1)	1974	24	28

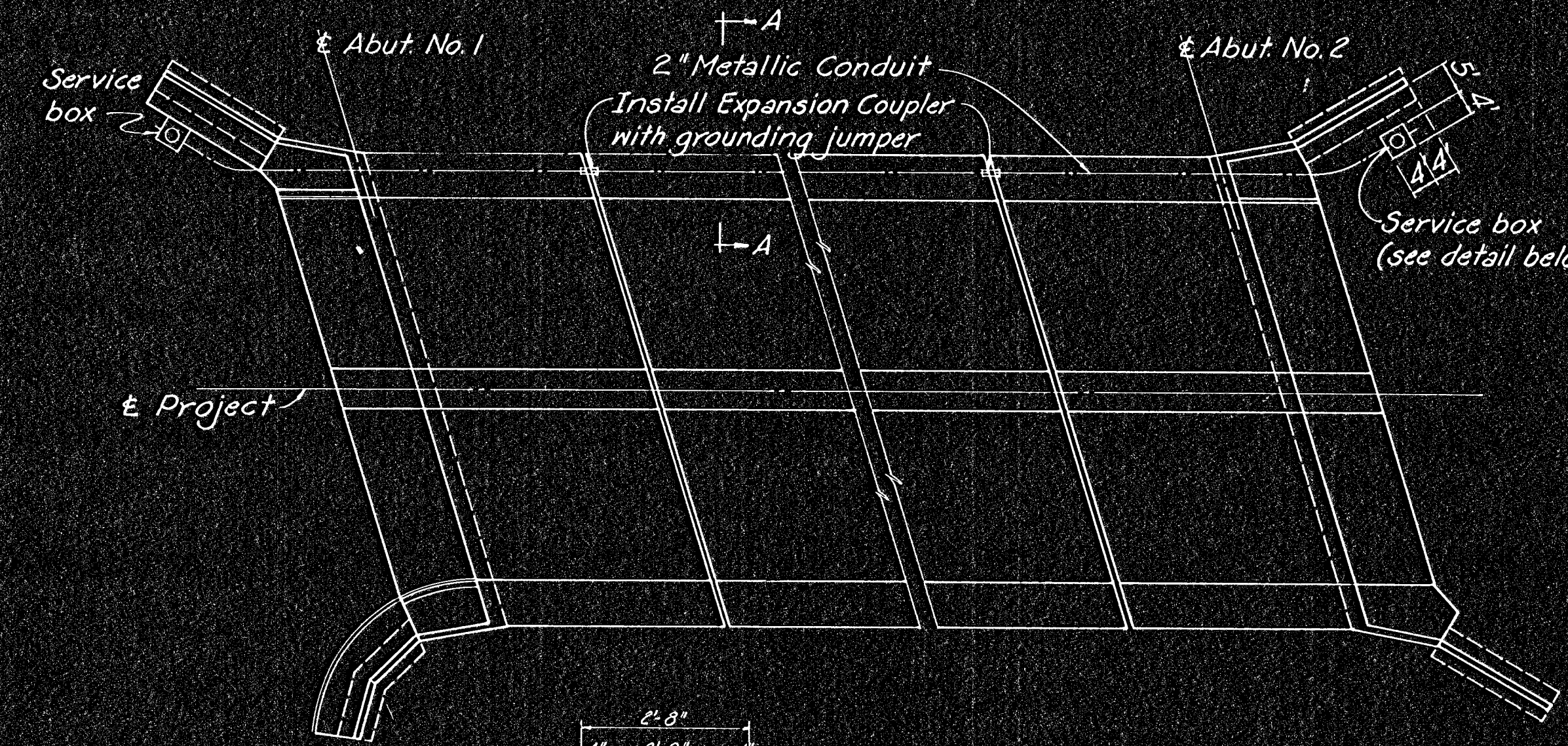
DAKB 574005

NOTE:
The item of Conduit Installation will include all work and material necessary to install 2" conduit as shown, including pipe hangers and expansion joints, and construction of concrete service boxes as detailed; except that rings and covers for service boxes will be furnished by the City of Wichita, Traffic Engineering Department.

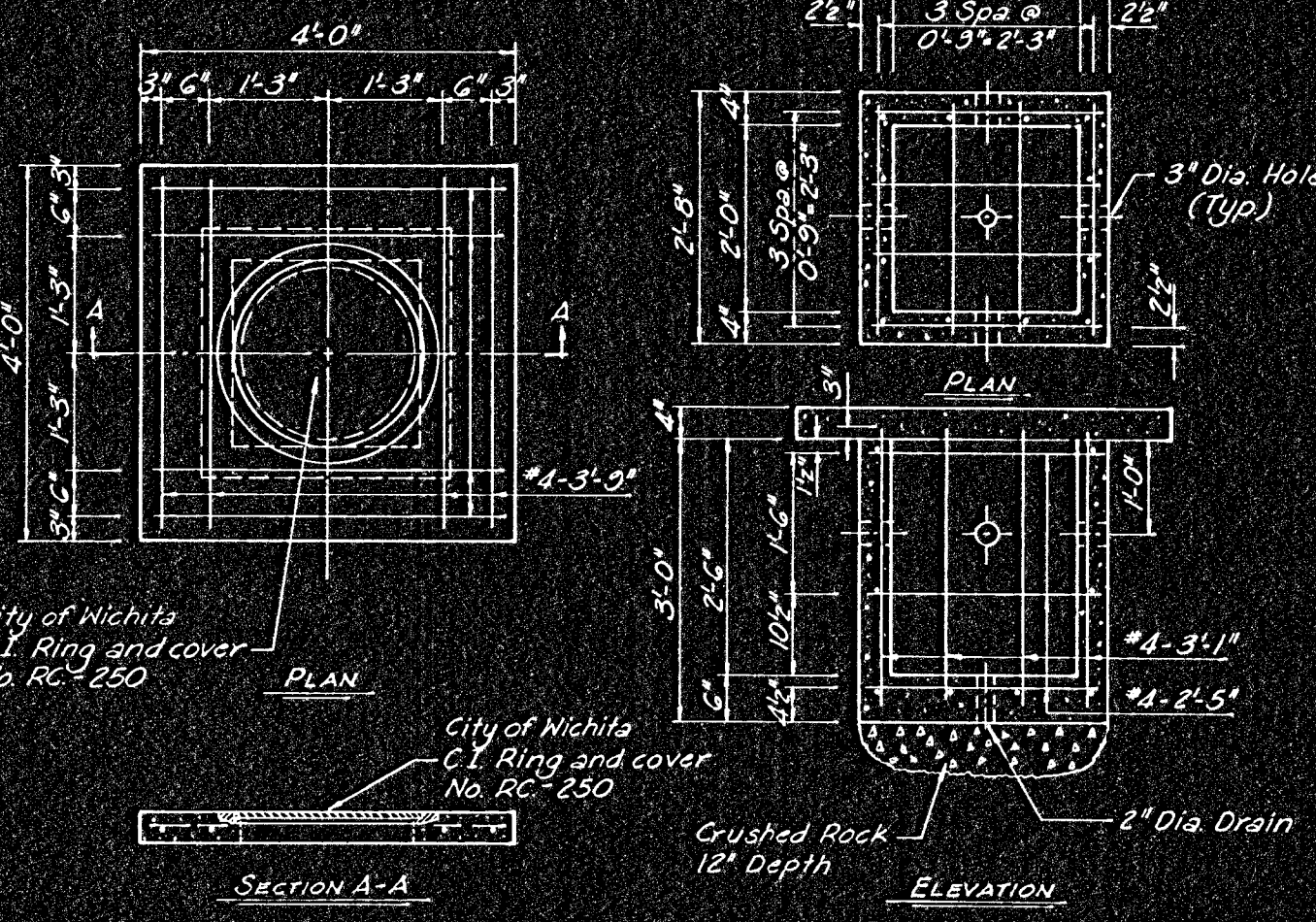


Locate to fit diaphragm openings

SECTION A-A



CONDUIT INSTALLATION



SERVICE BOX DETAIL

Bar List
10 #4 2'-5"
12 #4 3'-1"
8 #4 3'-9"

FIRST STREET BRIDGE
1974
CITY OF WICHITA

XXXXXXXXXXXX - MAYOR
XXXXXXXXXXXX - VICE-MAYOR
XXXXXXXXXXXX
XXXXXXXXXXXX
XXXXXXXXXXXX
COMMISSIONERS

RALPH WULZ
CITY MANAGER

RAY W. BRUGGEMAN
DIRECTOR OF PUBLIC WORKS

R. W. LINN
CITY ENGINEER

DELAMATER, FREUND & SCHERER
CONSULTING ENGINEERS
XXXXXXXXXXXX
CONTRACTOR
DESIGN LOADING HS20-44

NOTE:
XXXX Names as directed by the Engineer, furnished by the City Engineer. Contractor furnish rubbing before casting.

PROJECT MARKER

TYPICAL SUPERSTRUCTURE DETAILS

TYPICAL SUBSTRUCTURE DETAILS

BEAM BAR SPACERS & BOLSTERS

LOW SLAB BAR SPACERS & BOLSTERS

HIGH SLAB BAR SPACERS & BOLSTERS

INDIVIDUAL HIGH BAR CHAIRS

TYPICAL CULVERT DETAILS

SUPPORTS AND SPACERS FOR REINFORCING STEEL

GENERAL NOTE:
Spacings shown are maximum. Sufficient supports shall be used, as determined by the Engineer, to hold the steel in position. Approved designs and arrangements of supports or spacers other than those shown on this sheet may be used with the permission of the Engineer. In these locations, the supports and spacers shall be securely nailed or bolted to the concrete. The use of wire supports for reinforcing steel in these locations is optional, where they are used, the steel shall be supported from the forms by means of wire ties or similar approved devices where necessary.

NOTE 1: The lower side of reinforcing steel in these locations shall be not less than one inch (1") from the surface of the concrete.

NOTE 2: The upper side of reinforcing steel in these locations shall be within the limits shown on the plans.

NOTE 3: The use of wire supports for reinforcing steel in these locations is optional, where they are used, the steel shall be supported from the forms by means of wire ties or similar approved devices where necessary.

EXCAVATION DETAILS FOR TYPICAL MULTIPLE BOX

EXCAVATION DETAILS FOR TYPICAL ABUTMENTS

EXCAVATION DETAILS FOR TYPICAL SOLID PIERS

EXCAVATION DETAILS FOR TYPICAL PEDESTAL PIERS

BRIDGE EXCAVATION

R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE: _____
SCALE: _____

CITY OF WICHITA, KANSAS R.W. LINN, P.E., CITY ENGINEER	
FIRST STREET BRIDGE OVER THE ARKANSAS RIVER BAR SUPPORTS, BR. EXCAVATION AND MISCELLANEOUS DETAILS	
DELAMATER, FREUND & SCHERER, P.A. CONSULTING ENGINEERS WICHITA, KANSAS	
SCALE: _____	DATE: June, 1974
DWG. NO. 89-G-24	