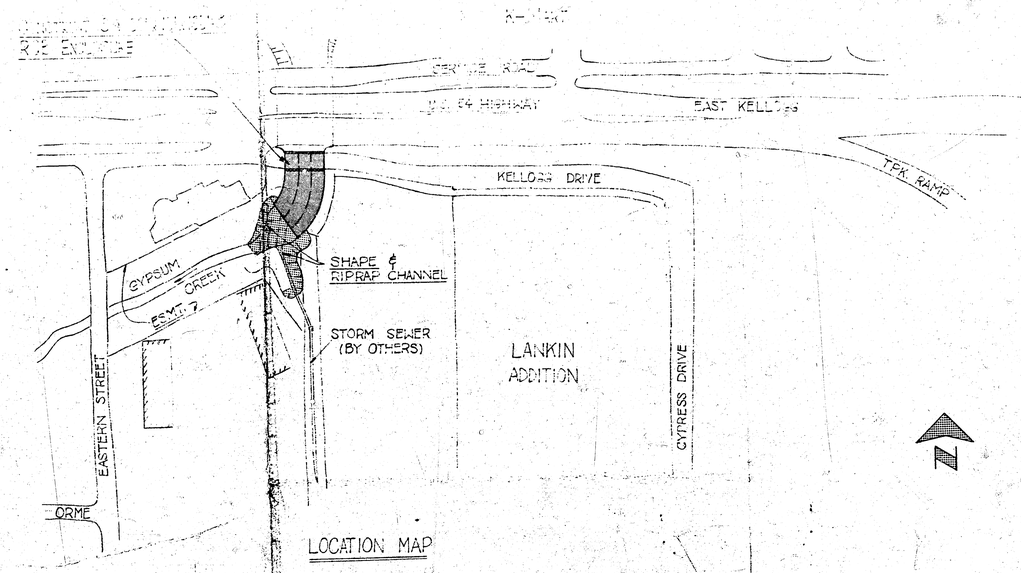

LOCATION MAP

SUMMARY OF QUANTITIES

	BANK GRADING & RIPRAP		
1000	Bank Grading	1415	Cu.Yds.
333	Dumped Riprap (12")	313	Cu.Yds.
	Dumped Riprap (Boulders)	114	Cu.Yds.
	Sand-gravel Bedding	250	Cu.Yds.
	BOX CONSTRUCTION		
3300	Bridge Excavation	1900	Cu.Yds.
880	Class A (AE) Concrete	884	Cu.Yds.
176,000	Reinforcing Steel	167,830	Lbs.
180	Steel Picket Guard Fence (Galv.)	187.5	Lin.Ft. +50'
18000	Steel Sheet Piling	3666	Sq.Ft.
13200	Steel Sheeting (Toewall)	1280	Sq.Ft.

NOTE:
The quantities listed are for information only. The Contractor shall include all material and work necessary to complete the project, according to details and dimensions shown on the plans, in his lump sum bid.

INDEX OF SHEETS

BOX ENCLOSURE AND CHANNEL IMPROVEMENTS ON GYPSUM CREEK BETWEEN KELLOGG & EASTERN AVENUE

CITY OF WICHITA
DEPARTMENT OF PUBLIC WORKS
R.W. BRUBEEMAN, DIRECTOR
B.E. SMITH, CITY ENGINEER

PLANS PREPARED BY:
R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

MAY, 1960

OFFICE COPY

R. S. DELAMATER 513 REGISTERED PROFESSIONAL ENGINEER

Revised JUN 2 1960

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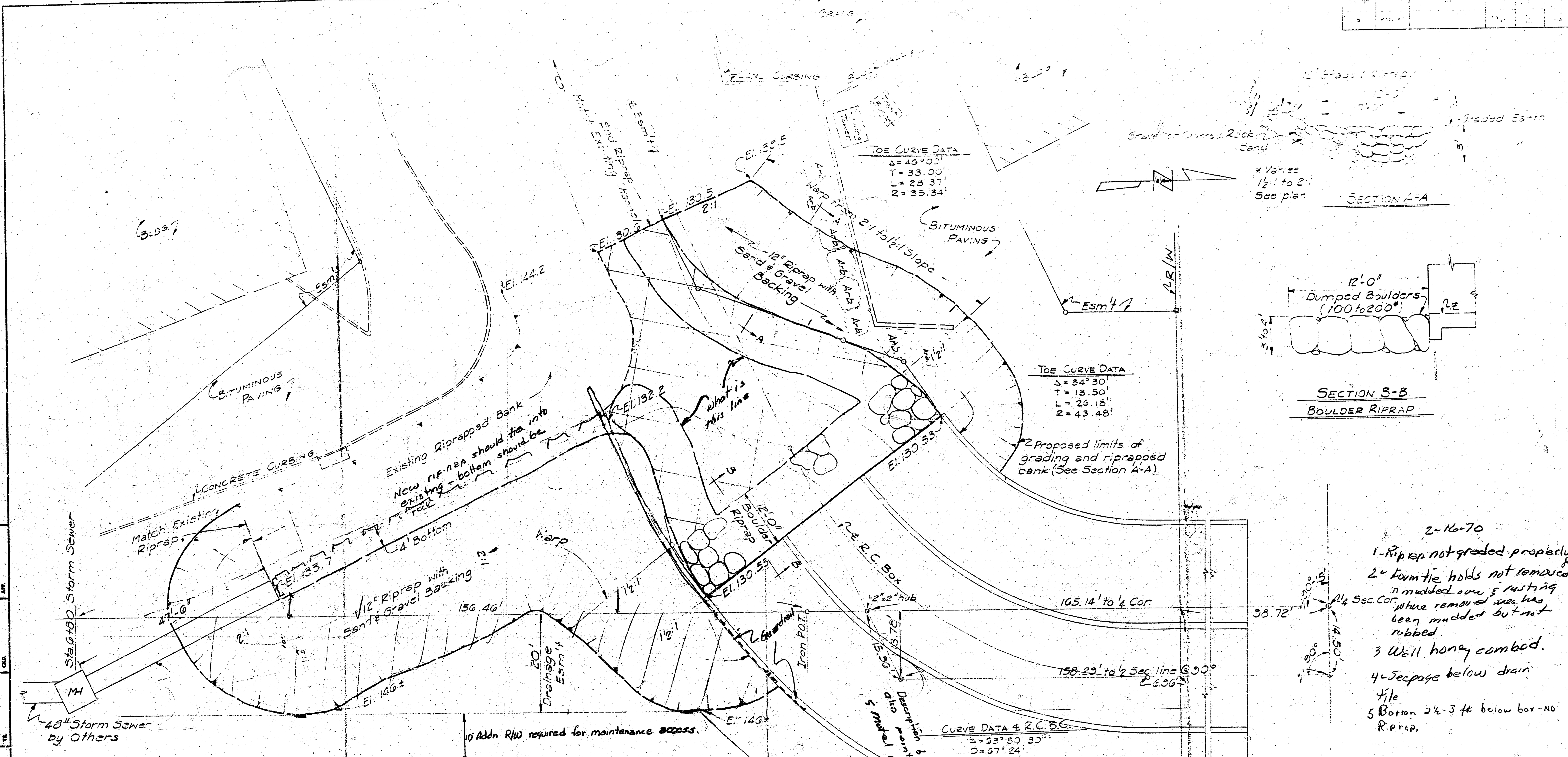

Toe Curve Data
Δ = 22°00'
T = 12.50'
L = 25.81'
R = 64.31'

NOTE:

Dumped rock riprap is to consist of individual fragments, dense, sound, resistant to abrasion and free of cracks, seams or other defects. Material to meet the following requirements:

(a) Minimum one hundred forty (140) pounds per cubic foot. (ASTM Std. C-127)

(b) Loss after ten (10) cycles freezing and thawing less than fifteen (15) percent. (AASHO Des. T-103)

(c) Riprap to be well graded from maximum size to minimum size.
For 12" riprap: Maximum size stone to be three hundred (300) pounds, average size fifty (50) to one hundred (100) pounds, not more than twenty (20) percent by weight consisting of pieces weighing less than twenty (20) pounds.
For Dumped Boulders: Maximum size stone to be six hundred (600) pounds, average size one hundred (100) to two hundred (200) pounds, not more than ten (10) percent by weight weighing less than twenty (20) pounds.

(d) Neither the depth nor the width of any piece shall be less than one-third its length.

(e) Broken concrete may be used in lieu of rock provided that it is sound and durable and that it meets the above requirements for size. Trim exposed reinforcement to the surface of concrete.

CONSTRUCTION:

Remove improvements and trees within limits of grading and riprapped bank.
The area upon which the riprap is to be placed shall be prepared to the required grades and lines and the surface made into a continuous twelve (12) inch bed of sand and gravel, or sand and crushed rock, reasonably graded to a maximum of 1½ inches in size. See Sec. A-A

Dump rock on the slope taking care to settle it evenly into the bedding and to maintain as nearly as possible an even distribution. Move rocks only where necessary to insure stability or to remove obvious piles or hollows. Slopes shall not vary more than three (3) inches above or below the finished grade and the riprap shall be free of pockets of small stone or clusters of larger stones. Hand placing will be required on the slope near the 48" storm sewer.

QUANTITIES:

BANK GRADING	1,415 C.Y.
DUMPED RIPRAP (12")	313 C.Y.
DUMPED RIPRAP (Boulders)	114 C.Y.
SAND-GRAVEL BEDDING	250 C.Y.

NOTE:
Grading and riprap dimensions are as set by the City-County Flood Control Office.

CITY OF WICHITA

GYPSUM CREEK
CHANNEL IMPROVEMENT
AND RIPRAP DETAILS
LANKIN ADDITION

R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE May 27, 1969
SCALE 1"=10'
DWG. NO. 231-A-109A

Received [redacted] JUN 2 1969

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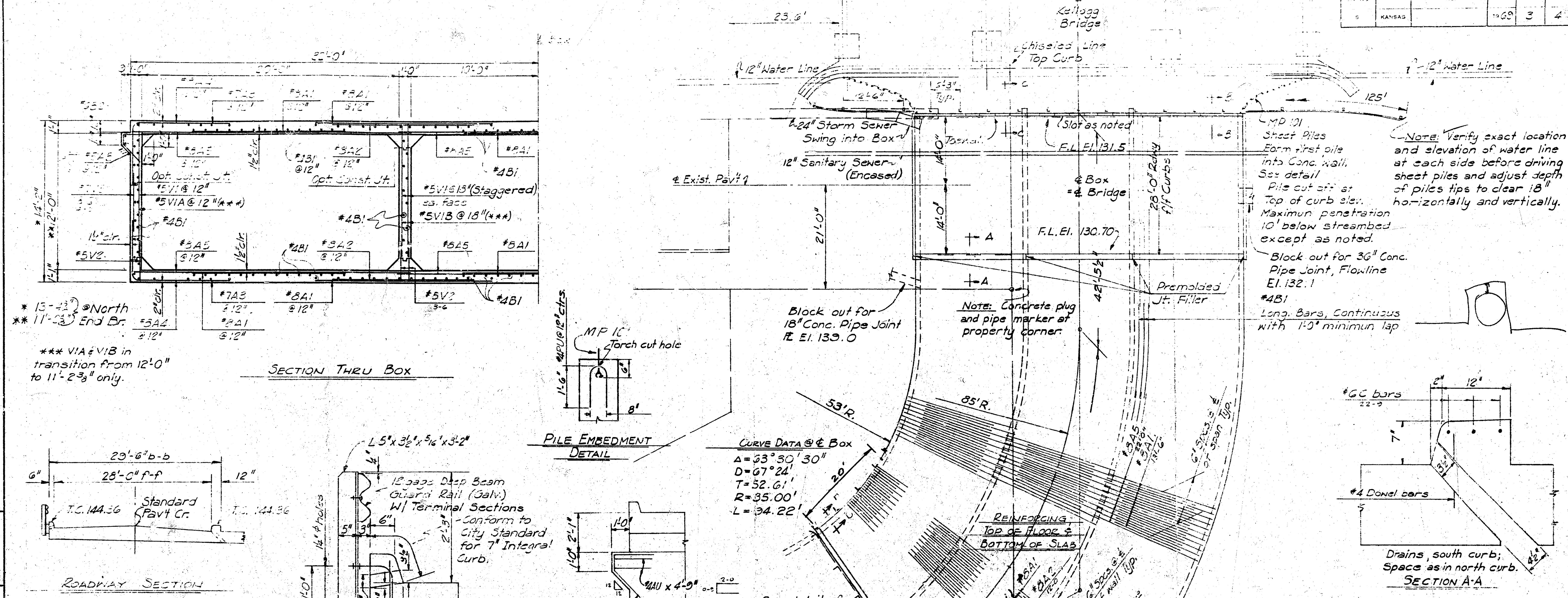
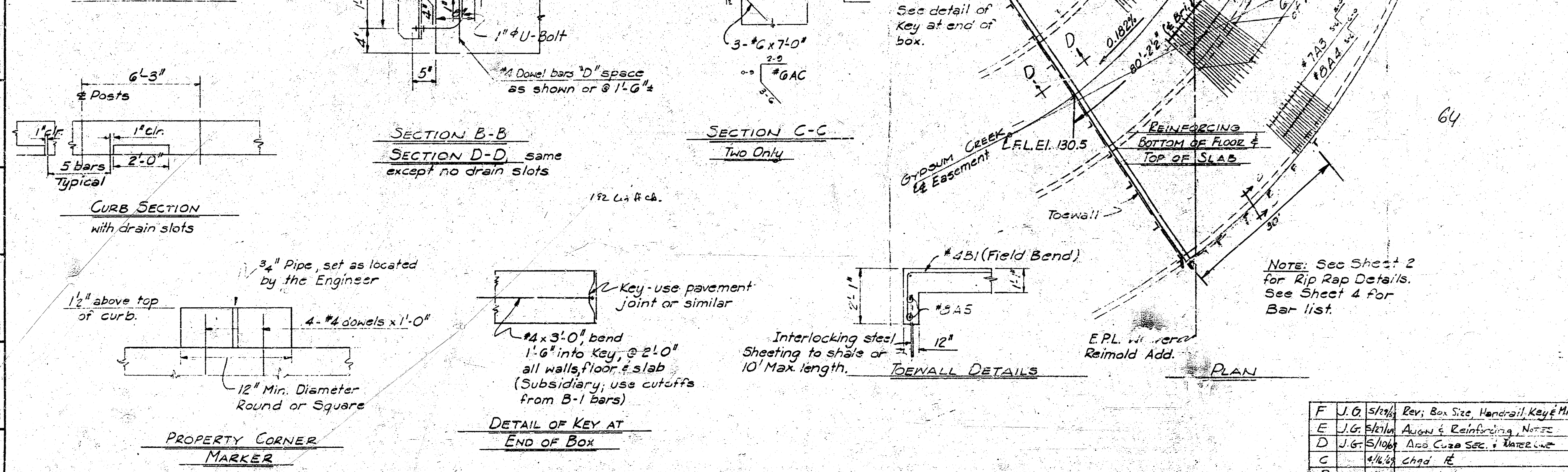
FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS		1969	3	4





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CONSTRUCTION NOTES:

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH KSHC 1966 STANDARD SPECIFICATIONS, EXCEPT CURE CONCRETE DECK SURFACE WITH LINSEED OIL EMULSION, FORMULATION 6325-39-2, AT 200 SQ. FT. PER GALLON.
CLASS A (AE) CONCRETE WILL BE USED THROUGHOUT.

DESIGN:

LOADING: HS 20-44
f'c = 3,000 p.s.i.
fc = 1,200 p.s.i.

QUANTITIES:

BRIDGE EXCAVATION	1,900	C.Y.
CLASS A(AE) CONCRETE	884	C.Y.
REINFORCING STEEL	167,830	Lbs.
*STEEL PLATE GUARD FENCE (GALV.)	187.5	L.F. +50
STEEL SHEET PILING	966	Sq.Ft.
STEEL SHEETING (TOEWALL)	1,280	Sq.Ft.

*Guard Fence includes posts, U-bolts, terminal sections and all required fittings.

REV.	BY	DATE	DESCRIPTION
F	J.G.	5/29/69	Rev; Box Size, Handrail, Key & Misc.
E	J.G.	5/27/69	Align & Reinforcing, Notes
D	J.G.	5/10/69	Add Curb Sec. & Water Line
C		4/16/69	Chgd ℄
B		4/15/69	Chgd length [illegible] details
A	T.P.	[illegible]	[illegible]

CITY OF WICHITA

GYPSUM CREEK
BOX ENCLOSURE
LANKIN ADDITION

R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE April, 1969
SCALE
DWG. NO. 231-A-106

Revised JUN 2 1969

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