1-14-3-(8)

SHEET NO. 1
OF 5 SHEETS

NOTES:

Top Soil: The top 6" over the excavated channel area on the golf course shall be removed and stock piled according to specifications before channel excavation is started.

Existing Structures: The Contractor shall remove existing structures and salvage all reuseable material and store at the site as directed by the Engineer; all other material shall be removed from the site and disposed of.

Channel Plugs: The old channel shall be plugged at both existing bridge structures and where the new channel crosses the old; Type "B" Compaction shall be used.

Fill: The old channel shall be filled between plugs to existing ground grade. All excess excavation shall be disposed of by the Contractor.

Utilities: All utilities shall be relocated by the owners prior to construction, but the Contractor shall exercise caution to be certain that all existing lines have been abandoned or relocated before commencing excavation.

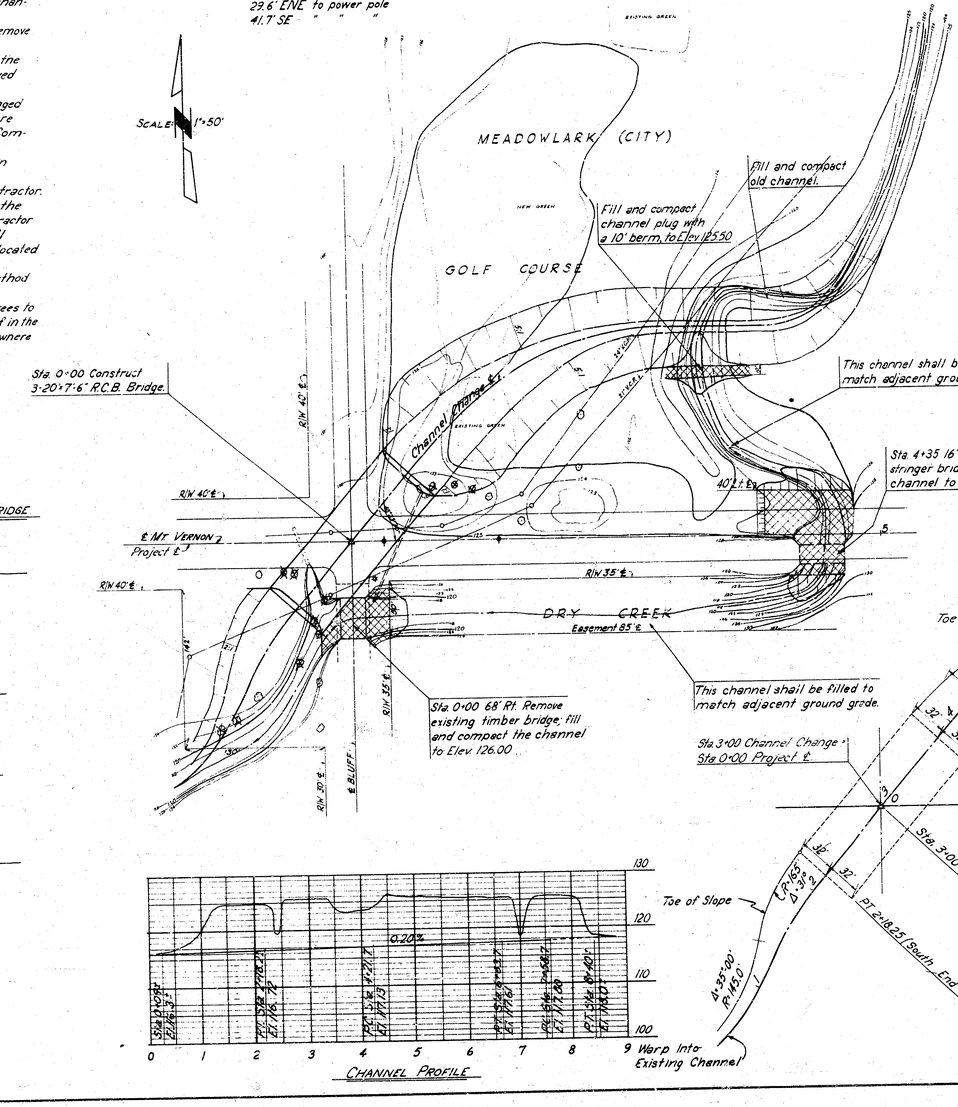
Quantities: See the Specifications for method of determining pay quantities.

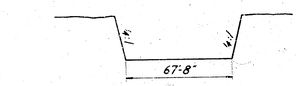
Trees: All trees marked with an "X" are pay trees to be removed. Other trees are to be removed if in the excavated area, but trees are to be spared where ever possible.

Center Sec. Corner
¾" Iron over Stone
50' SW to Property Iron
41.5' NW to Fireplug
29.6' ENE to power pole
41.7' SE " " "

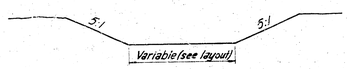
B.M. #1 Top of bolt thru hubguard on N.E. cor. of bridge at Bluff, S. of Mt. Vernon. Elev. 127.91

SCALE 1"=50'

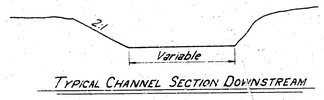




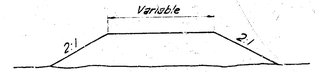
TYPICAL EXCAVATION SECTION THRU BRIDGE



TYPICAL CHANNEL SECTION UPSTREAM

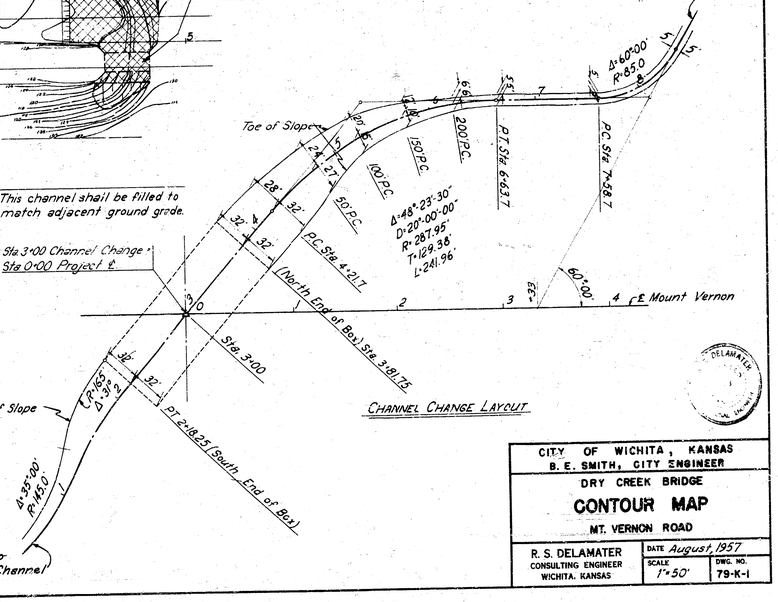


TYPICAL CHANNEL SECTION DOWNSTREAM



TYPICAL SECTION (TYPE "B") COMPACTION

CHANNEL PROFILE



CHANNEL CHANGE LAYOUT

DRY CREEK BRIDGE
AT
MT. VERNON ROAD

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
AUGUST, 1957

INDEX OF SHEETS

Sheet 1. Contour Map
" 2. Construction Layout
" 3. Triple 20'x7'-6" R.C.B. Bridge
" 4. Reinforcing Details
" 5. Bar Supports & Bridge Excavation

SURV. T.N.C. & R.H. | PLOT. T.N.C. | DES. T.N.C. | CK. T.F.P. | TR. E.M.C. | CKD. G.A.B. | APP.

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER

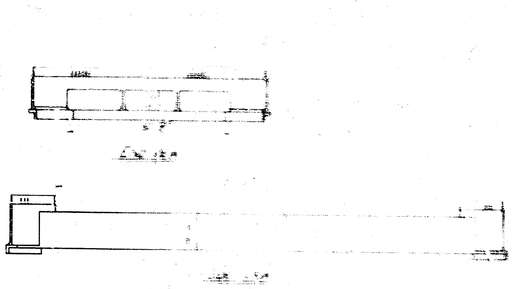
DRY CREEK BRIDGE

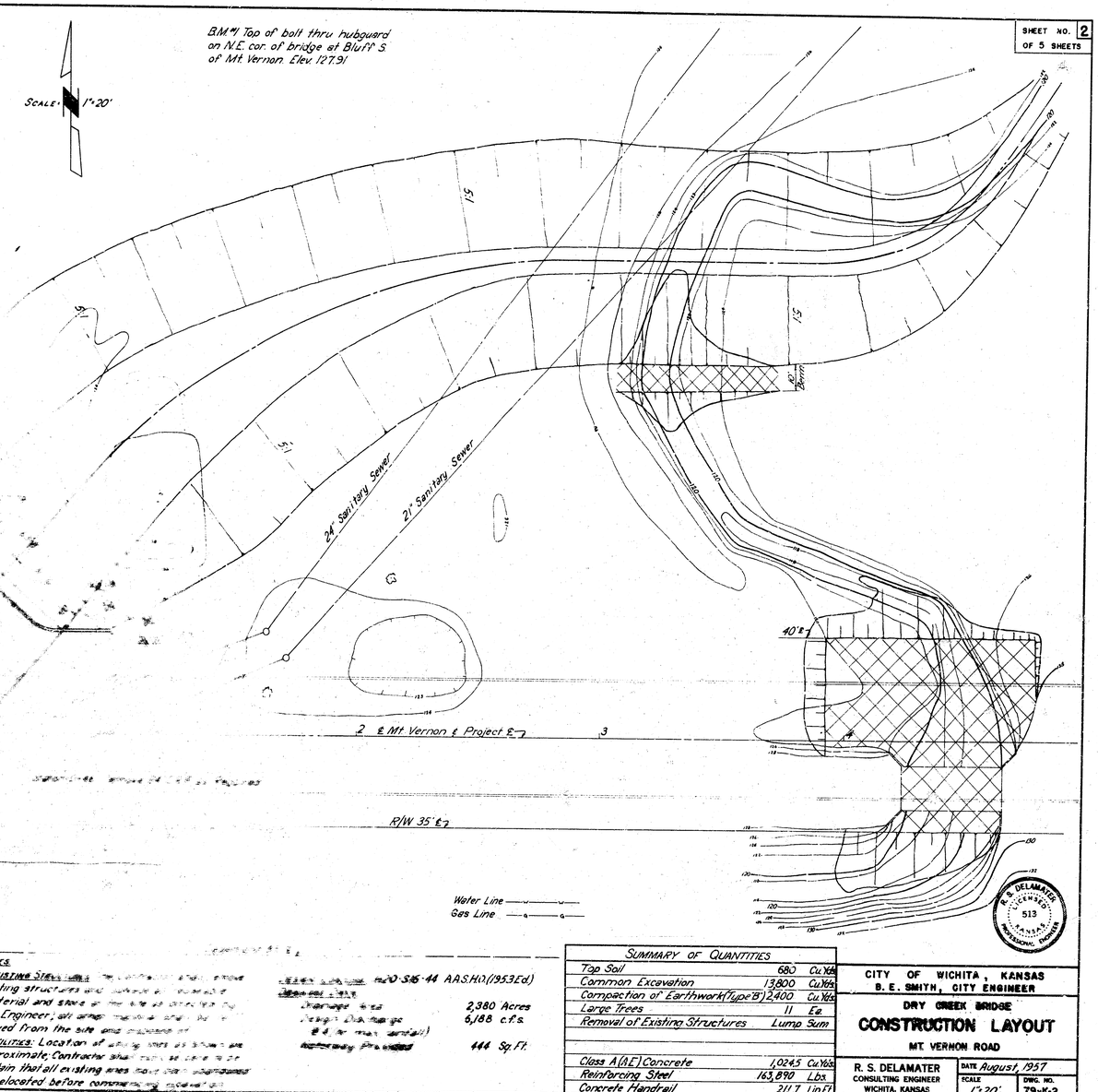
CONTOUR MAP

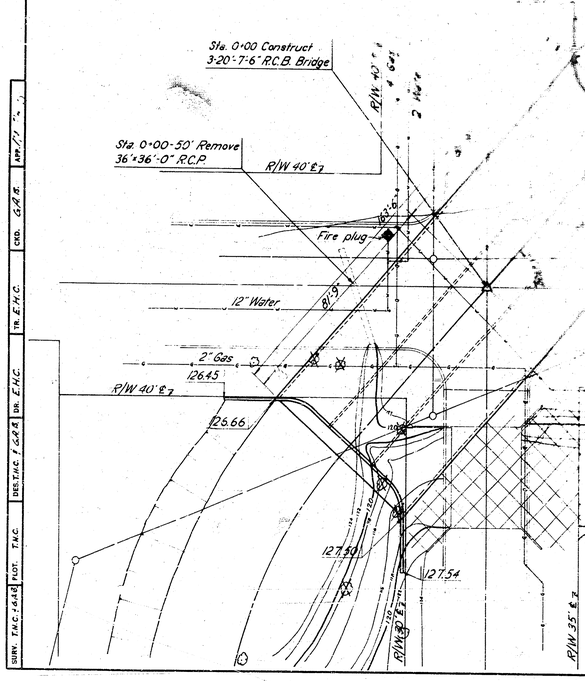
MT. VERNON ROAD

R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE August, 1957
SCALE 1"=50'
DWG. NO. 79-K-1







Notes

Existing Structures: ... existing structures and ... material and ... the Engineer; all ... moved from the site and ...

Utilities: Location of ... approximate; Contractor ... certain that all existing ... or relocated before ...

... (Conforming to 20-315-44 AASHO (1953 Ed.)

Drainage Area	2,380 Acres
Design Discharge (Q at max. velocity)	6,188 c.f.s.
Waterway Provided	444 Sq. Ft.

Summary of Quantities

Top Soil	680	Cu.Yds.
Common Excavation	13,800	Cu.Yds.
Compaction of Earthwork (Type B)	2,400	Cu.Yds.
Large Trees	11	Ea.
Removal of Existing Structures	Lump	Sum
Class A (AE) Concrete	1,024.5	Cu.Yds.
Reinforcing Steel	163,890	Lbs.
Concrete Handrail	211.7	Lin.Ft.

R. S. DELAMATER LICENSED 513 KANSAS PROFESSIONAL ENGINEER

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER

DRY CREEK BRIDGE

CONSTRUCTION LAYOUT

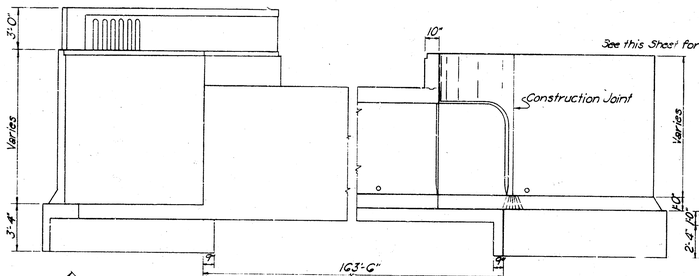
MT. VERNON ROAD

R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE August, 1957
SCALE 1"=20'
DWG. NO. 79-K-2

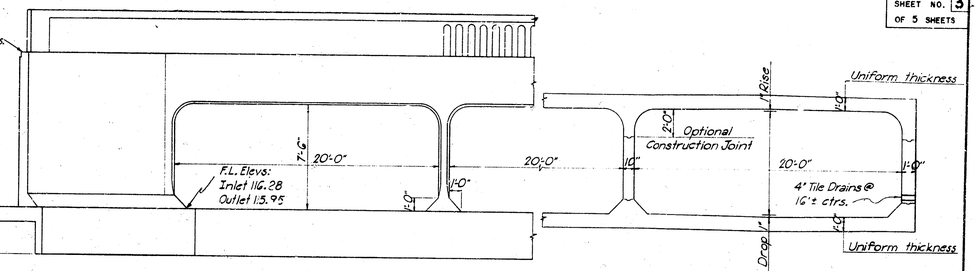
SURV. T.H.C.-S.A.S.B. | PLOT. T.H.C. | DES.T.H.C. & G.A.R. | DR. E.H.C. | TR. E.H.C. | CKD. G.A.R. | APP.D. "-"

SHEET NO. 3
OF 5 SHEETS



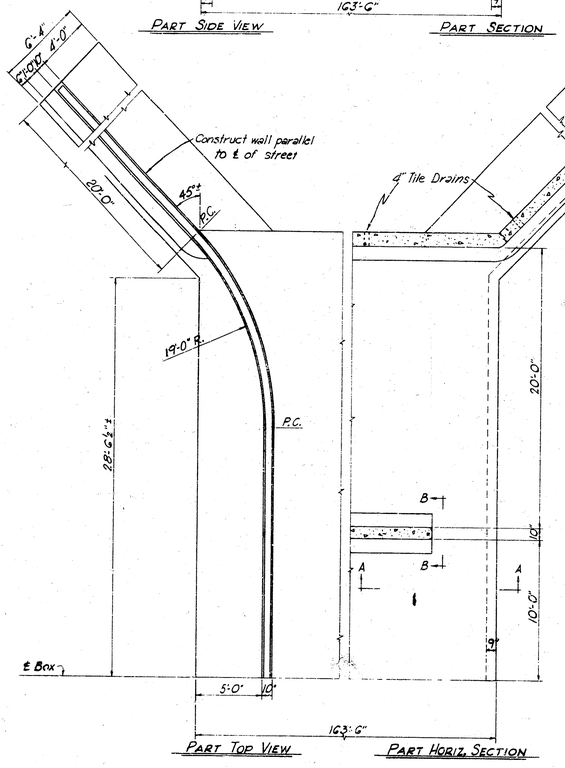
PART SIDE VIEW

PART SECTION



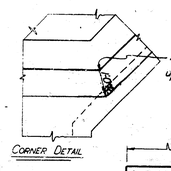
HALF END VIEW

HALF SECTION

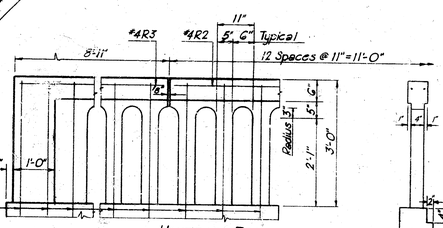


PART TOP VIEW

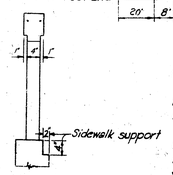
PART HORIZ. SECTION

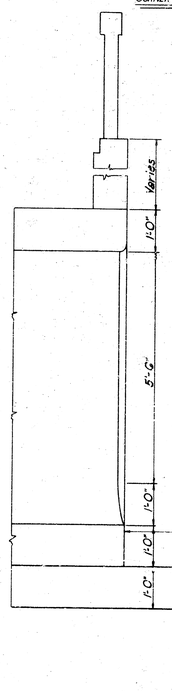


CORNER DETAIL

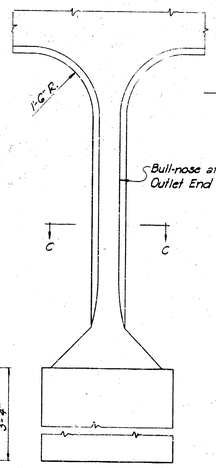


HANDRAIL DETAILS





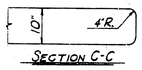
SECTION A-A



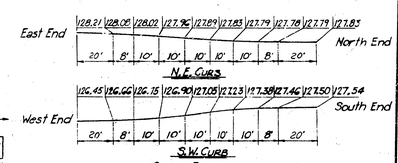
VIEW B-B



CONSTRUCTION JOINT DETAIL



SECTION C-C



CURB ELEVATIONS

GENERAL NOTES:

Class A(AE) concrete shall be used thruout. Bevel all exposed edges with a ¾" triangular molding unless otherwise indicated.

Coarse aggregate shall be deposited behind each weep hole, occupying a space 15" in all directions from the weep hole. This work shall not be paid for directly but shall be considered subsidiary to the item of Common Excavation.

All dimensions relative to placement of reinforcing steel are to ℄ of bars unless otherwise noted. All dimensions shown on bending diagrams are out to out of bars.

All reinforcing steel shall conform to A.S.T.M. Specification A305-50T.

All parts of concrete handrail including concrete and reinforcing steel shall be included in bid item of "Concrete Handrail"

Design Loading: H20-S16-44 A.S.H.O. (1953 Ed.)

Unit Stresses: fc = 1,200 p.s.i.
fs = 20,000 p.s.i.

R. S. DELAMATER
NO. 513
KANSAS
PROFESSIONAL ENGINEER

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER

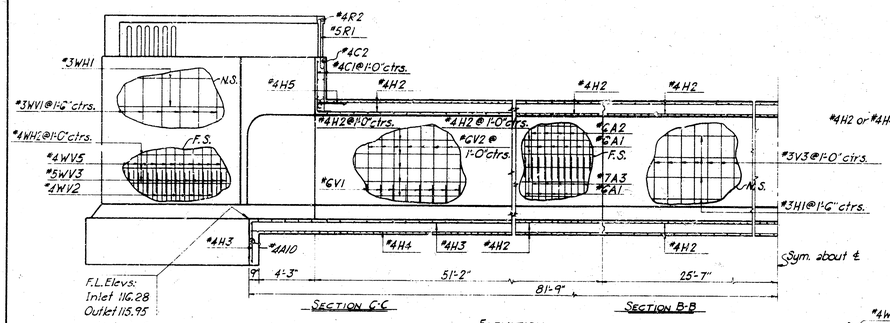
DRY CREEK BRIDGE

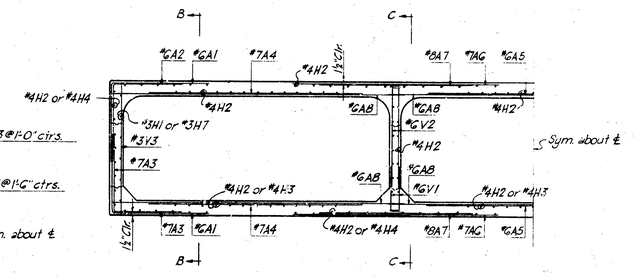
TRIPLE 20'x7'-6" R.C.B. BRIDGE

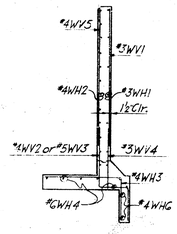
MT. VERNON ROAD

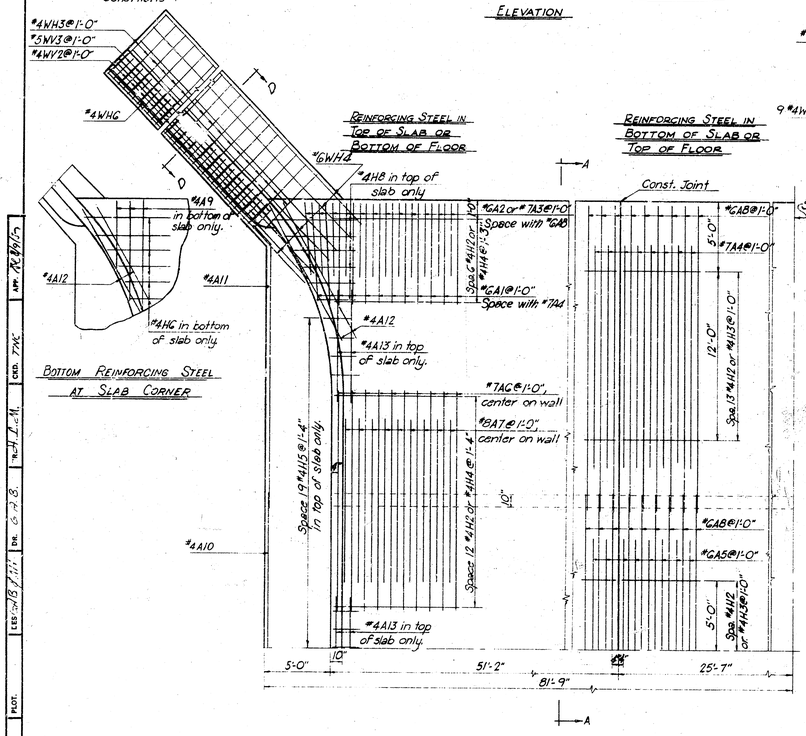
R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS	DATE August 1957 SCALE DWG. NO. 76-M-3

SURV. | PLOT. | DES. JHB | DR. GAB | TR. H-1 | CKD. JHC | APP. JGL



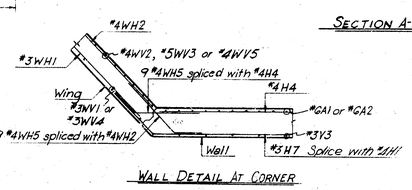


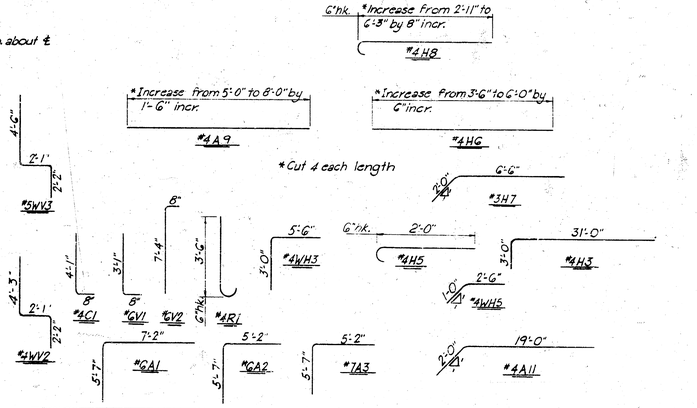




REINFORCING STEEL IN TOP OF SLAB OR BOTTOM OF FLOOR

REINFORCING STEEL IN BOTTOM OF SLAB OR TOP OF FLOOR





Summary of Quantities

Mark	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13		C1	C2
Nº Reqd	G40	318	326	G30	315	G30	G30	945	12	G	12	16	12		268	48
Size	#6	#6	#7	#7	#6	#7	#8	#6	#4	#4	#4	#4	#4		#4	#4
Length	12'-9"	10'-9"	10'-9"	16'-0"	16'-0"	15'-6"	11'-6"	22'-0"	*	22'-0"	21'-0"	11'-0"	8'-0"		4'-9"	17'-6"
Shape																
Mark	H1	H2	H3	H4	H5	H6	H7	H8	R1	R2	R3		V1	V2	V3	
Nº Reqd	72	970	74	108	74	24	24	24	232	32	8		G12	G12	330	
Size	#3	#4	#4	#4	#4	#4	#3	#4	#5	#4	#4		#6	#6	#3	
Length	20'-3"	26'-3"	34'-0"	31'-3"	2'-6"	*	8'-6"	*	4'-0"	10'-9"	8'-9"		3'-9"	8'-0"	9'-0"	
Shape																
Mark	WH1	WH2	WH3	WH4	WH5	WH6	WV1	WV2	WV3	WV4	WV5					
Nº Reqd	28	48	88	28	72	8	56	84	84	56	84					
Size	#3	#4	#4	#6	#4	#4	#3	#4	#5	#3	#4					
Length	19'-9"	19'-9"	8'-6"	26'-0"	3'-6"	22'-0"	9'-9"	8'-6"	8'-9"	4'-3"	9'-9"					
Shape																

Class A Concrete 1,024.5 Cu. Yds.
Reinforcing Steel 163,890 Lbs.

R. S. DELAMATER NO. 513 REGISTERED ENGINEER KANSAS PROFESSIONAL ENGINEER

CITY OF WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER
DRY CREEK BRIDGE

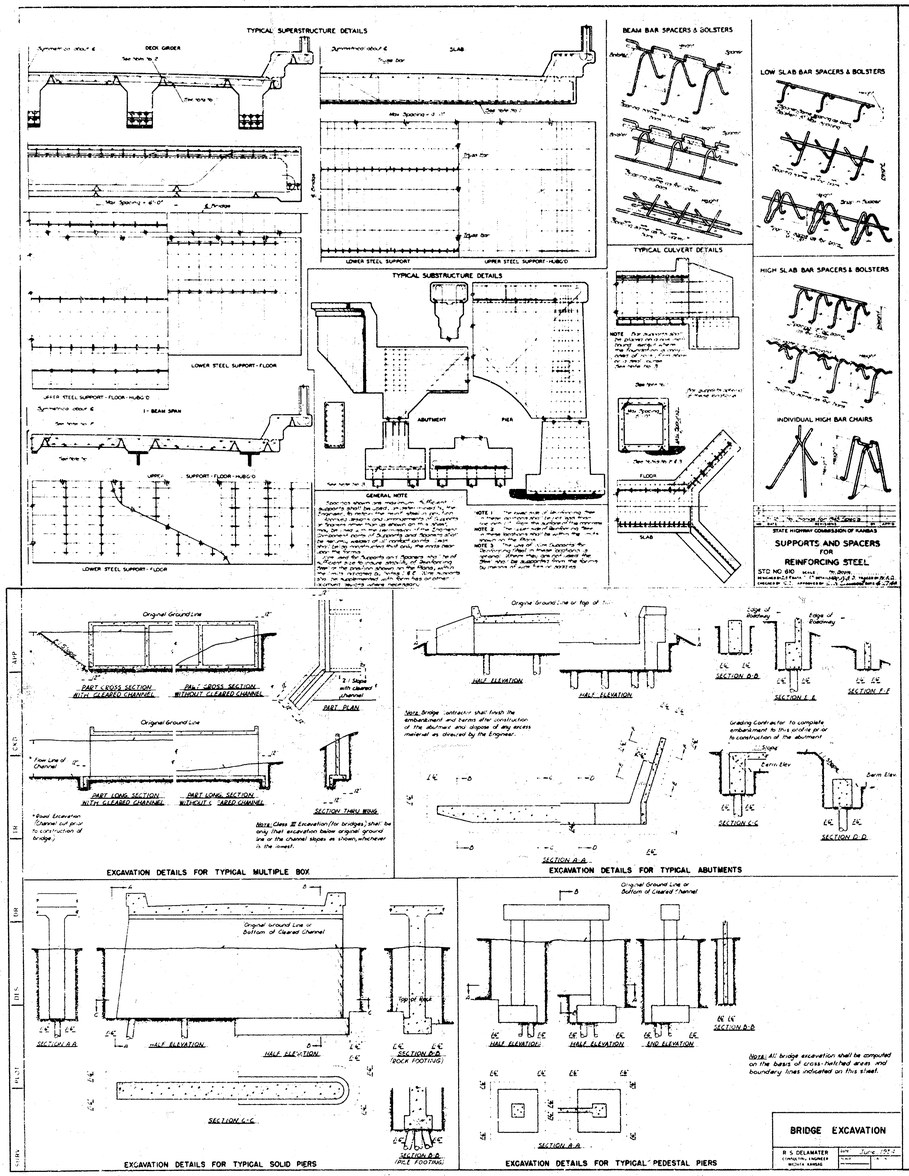
REINFORCING DETAILS

MT. VERNON ROAD

R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE August 1957
SCALE
DWG. NO. 79-K-4

SURV. | PLOT. | CES. 18 7.11 | DR. G.N.B. | CKD. T.M.C. | APP. R.S.D.





Note: All bridge excavation shall be computed on the basis of cross-hatched areas and boundary lines indicated on this sheet.

BRIDGE EXCAVATION
R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS
DATE June 1973

BAR SUPPORTS
BRIDGE EXCAVATION

R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS	DATE
	SCALE —
	DW. NO. 79-K-5