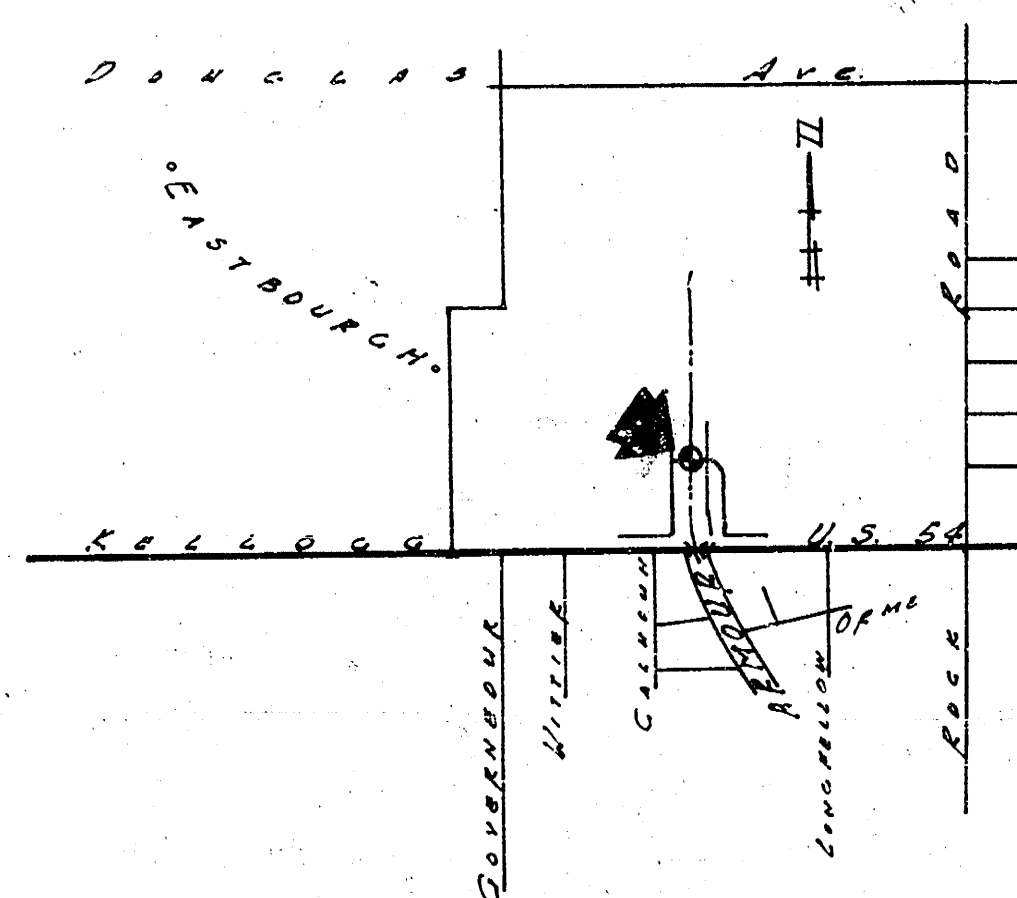
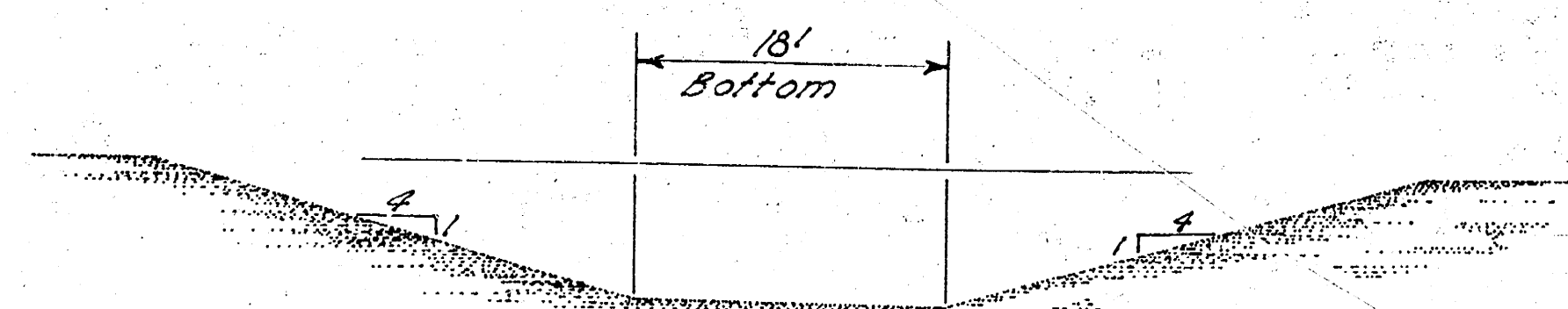


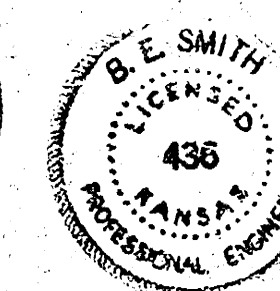
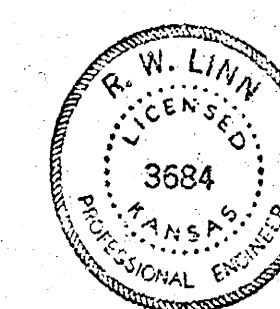
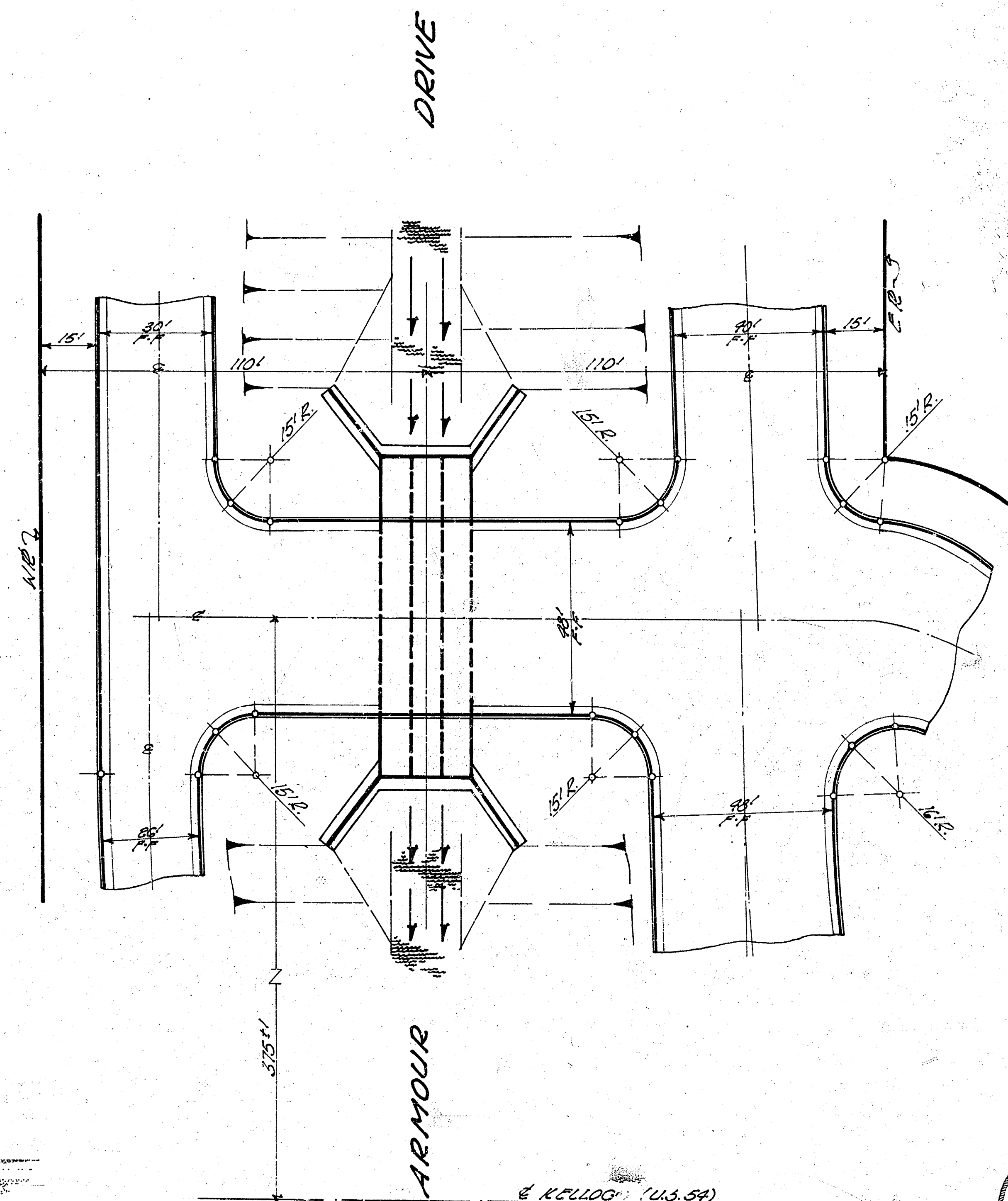
Plan
Scale
1" = 20'



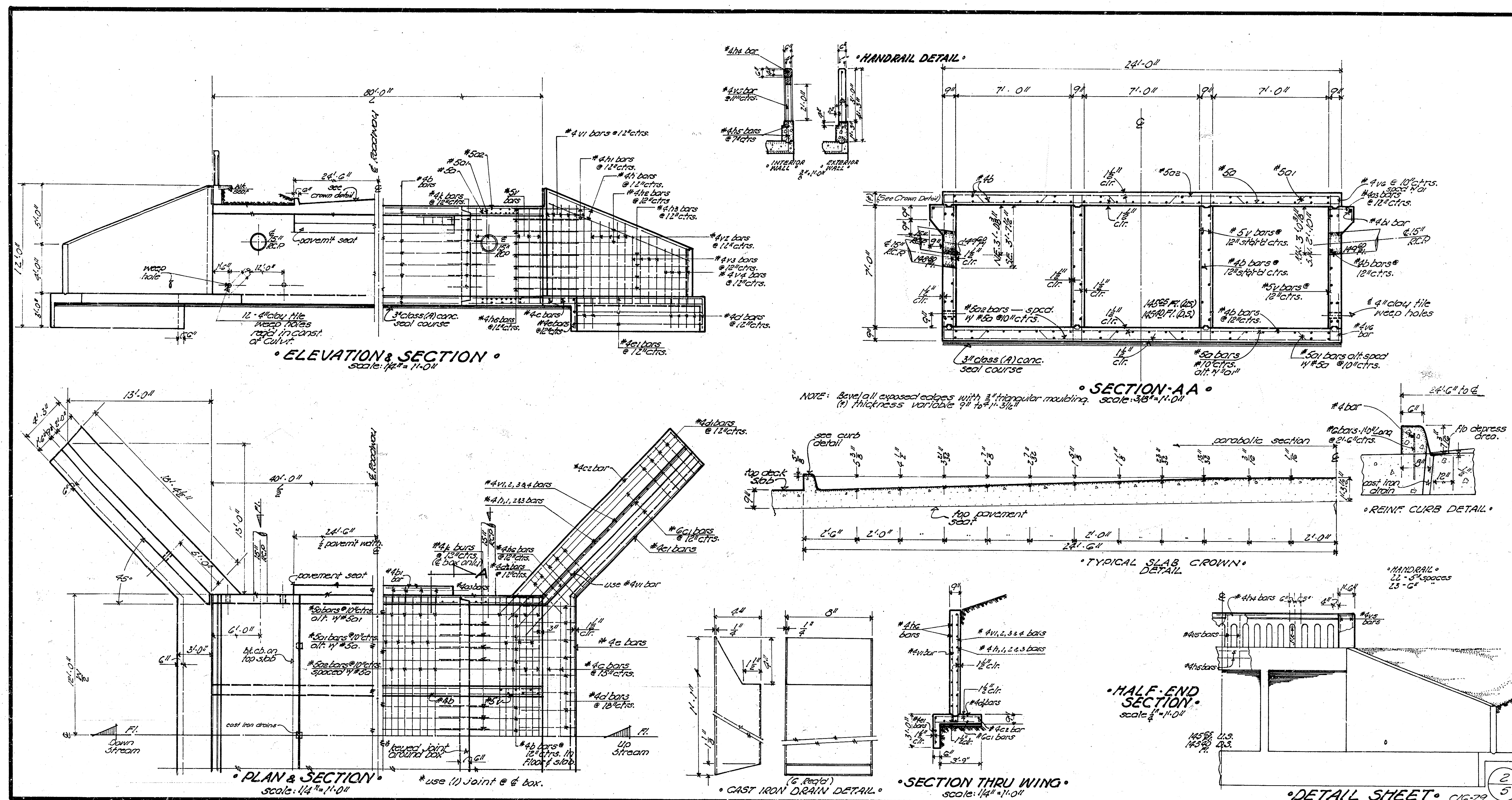
• LOCATION MAP •
No. 500/10



• EXISTING CHANNEL SECTION •



LOCATION MAP
• 3' - 7' x 7' x 80' REINF. CONC. BOX CULVERT •
Armour Drive - N.E. 1/4 Sec. 34, T. 15 N., R. 10 E., S. 10 E.,
City of Wichita, Kansas
B.E. Smith
Date: July 1967
City Engineer
Proj. No. C-16-79



BAR SCHEDULE						
bar	size	length	number	location	shape	weight
O	#5	23'-9"	192	box		4754.08
O1	#5	25'-0"	190	"		4954.25
O2	#5	23'-9"	192	"		4754.08
O3	#4	21'-5"	96	"		160.32
O4	#4	39'-3"	200	"		5243.60
O1	#4	23'-0"	4	"		55.46
C	#4	23'-0"	4	apron		61.46
C1	#4	23'-0"	12	"		396.59
C2	#4	23'-0"	4	"		58.78
C3	#4	21'-6"	36	"		160.32
C4	#4	6'-6"	66	"		295.26
C5	#4	21'-0"	6	"		21.38
C6	#4	21'-0"	6	"		112.22
C7	#4	16'-0"	12	"		128.24
H	#4	12'-0"	8	manhole		102.43
H1	#4	8'-6"	8	"		45.42
H2	#4	12'-0"	8	"		68.14
H3	#4	20'-3"	16	"		216.03
H4	#4	23'-9"	2	handrail		31.73
H5	#4	23'-9"	2	subguard		63.46
H6	#4	7'-0"	32	manhole		149.63
A	#4	3'-0"	76	box		152.30
V	#5	3'-11"	320	"		8976.04
V1	#4	10'-3"	24	manhole		164.32
V2	#4	8'-5"	20	"		112.45
V3	#4	7'-8"	16	"		82.83
V4	#4	6'-5"	12	"		58.58
V5	#4	6'-5"	20	subguard		411.49
V6	#4	3'-0"	320	box		751.52
Reinforcement in conc. curb						30.04

BILL OF MATERIALS			
item	quantity	unit	
class A-AE concrete	213.80	C.Y.	Lump Sum Bid
reinforcing steel	26,625	LBS	
concrete handrail	44	L.F.	
hand excavation	5	C.Y.	
2x5 brick inlets	10	"	Bid Items
16" precast concrete pipe	410	L.F.	
common excavation	420	C.Y.	
compacted fill	330	C.Y.	
class A concrete	2162	C.Y.	

GENERAL NOTES

CLASS A-AE Concrete shall be used throughout this project. All reinforcing steel shall conform to A.S.T.M. specifications.

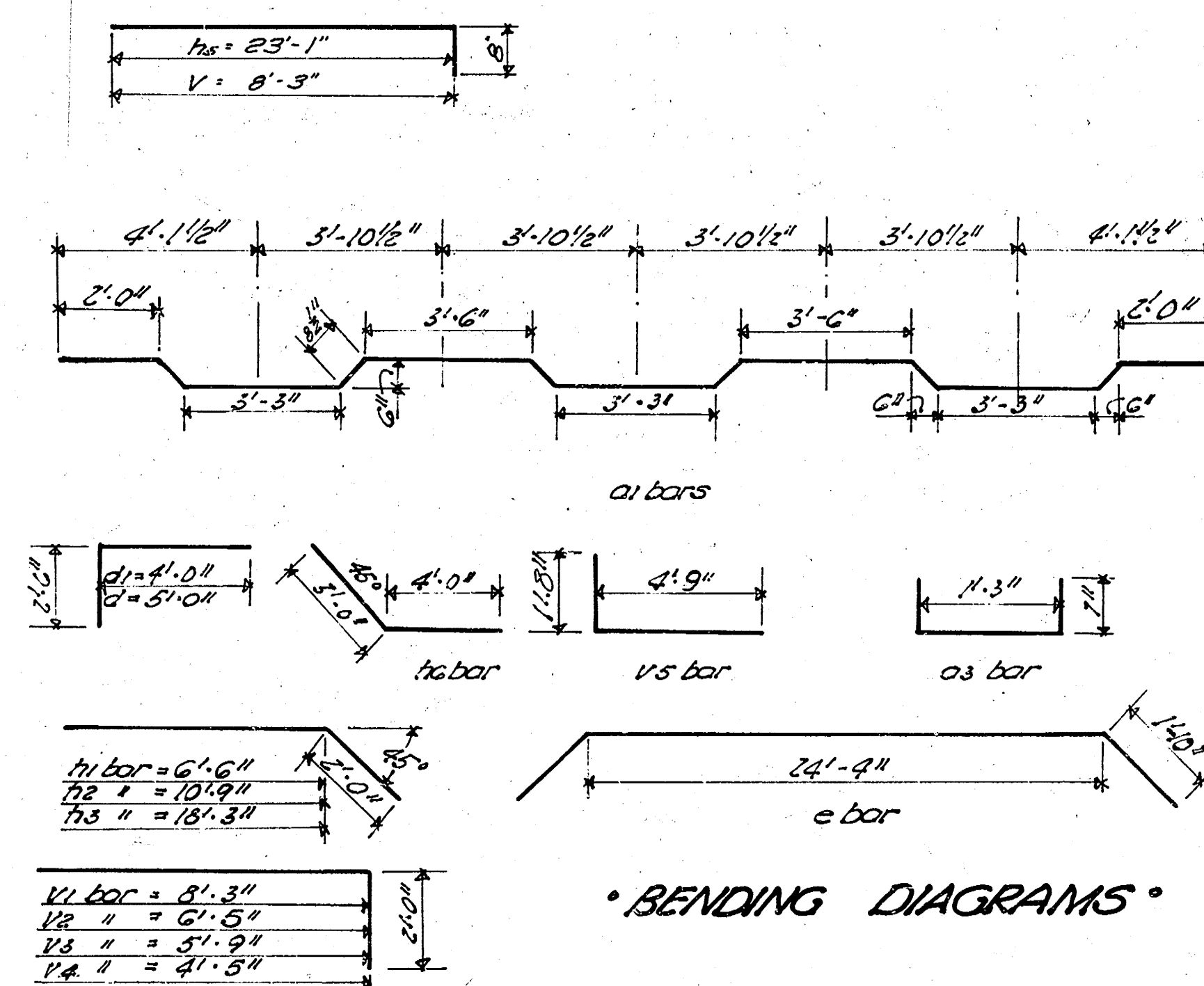
EXCAVATION: all earthwork shall be considered as "Common Excavation" except for the toewall. Toewall excavation shall be included in "Lump Sum Bid".

BACKFILL: shall be compacted to the bottom of new pavement grade. All backfill and excavation to extend to (2') beyond sides of box & wingwalls.

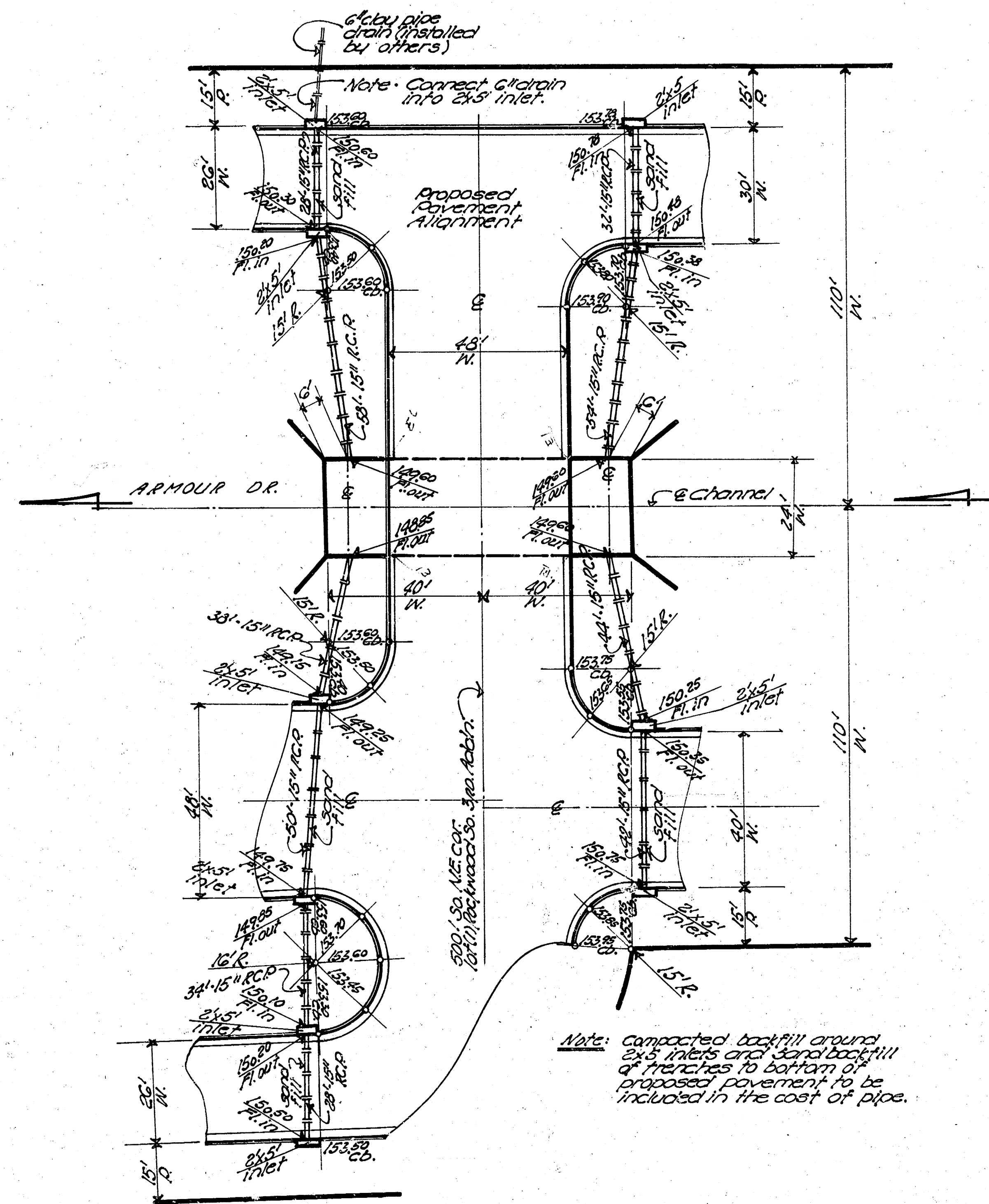
WEEPHOLE: coarse aggregate shall be deposited behind each weephole to occupy a space extending (15") in all directions above weephole flowline. This work shall not be paid for directly, but shall be considered a part of the excavation work.

SEAL COURSE: A seal course consisting of (1) class A concrete shall be constructed only where specified on the plans or by the Engineer. No reinforcing shall be placed until the seal course has gained sufficient strength to permit working upon it without injury.

GUIDING OF CULVERT: the culvert shall be bid as a "Lump Sum Bid" except for the following items: CULVERT COMMON EXCAVATION, CULVERT COMPACTED FILL, CLASS A CONCRETE, L.F. 18" 2x5 BRICK INLETS. The quantities shown in the "BILL OF MATERIALS" for items which are included in the "Lump Sum Bid" of the culvert are for "INFORMATION PURPOSES ONLY". The Contractor must satisfy himself to the quantities and the Engineer assumes no responsibility for their accuracy. The Contractor will have the full responsibility for providing all materials shown on the detailed plans necessary to complete this project.



BENDING DIAGRAMS



4
5

INCIDENTAL DRAINAGE
in connection with 3'-7"x7'-00" RC.B.C.

C/G-79

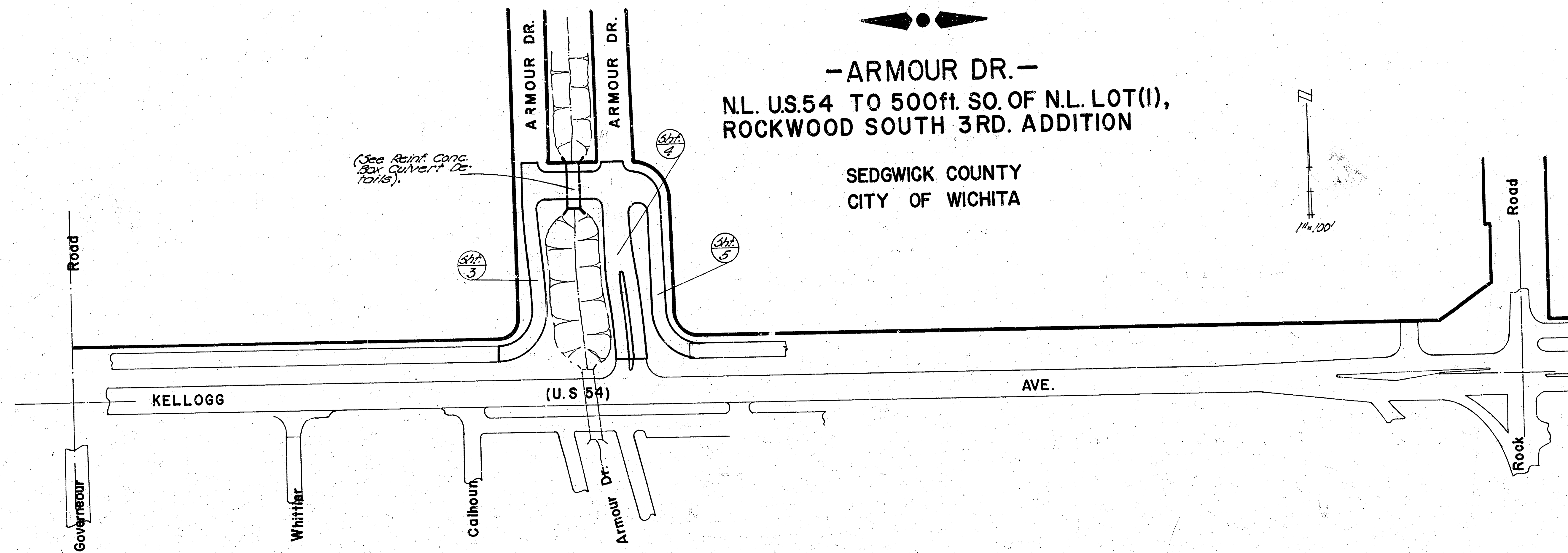
STATE OF KANSAS
STATE HIGHWAY COMMISSION

PUB. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	Kansas	54-87 K 5190(2)	1967	1	9

STATE PROJ. NO. 54-87 K 5190(2)
CITY PROJ. NO. C16-79

— ARMOUR DR. —
N.L. U.S. 54 TO 500ft. SO. OF N.L. LOT(1),
ROCKWOOD SOUTH 3RD. ADDITION

SEDGWICK COUNTY
CITY OF WICHITA

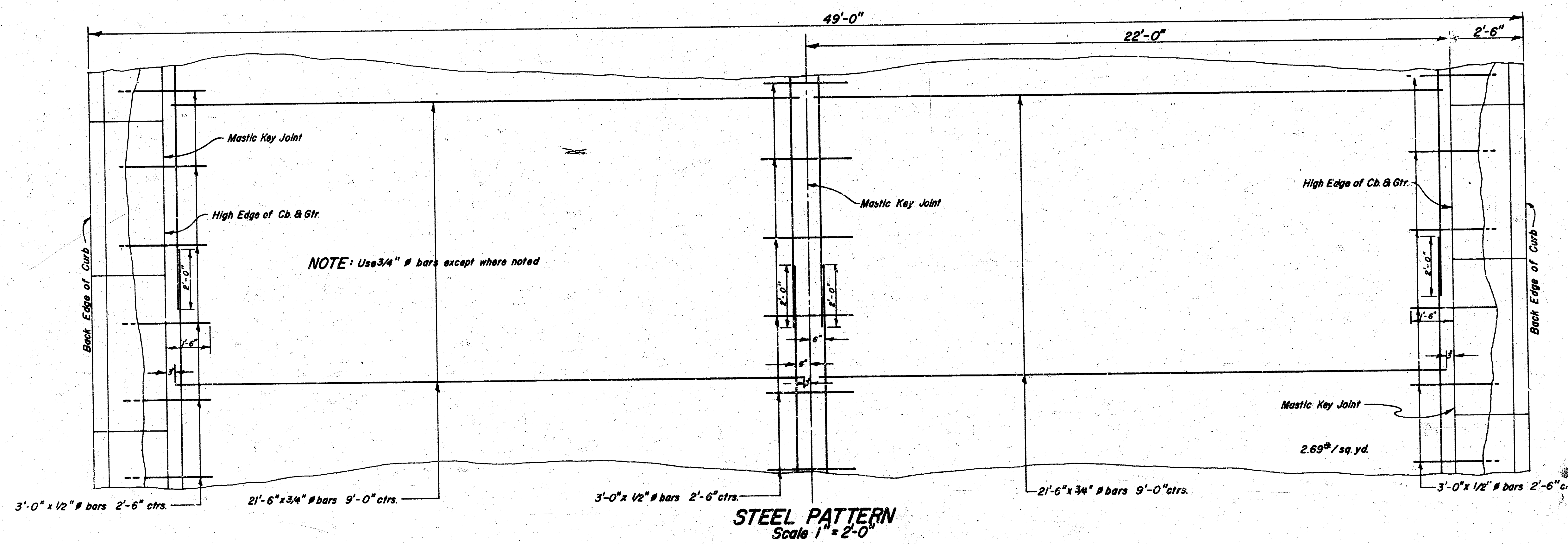
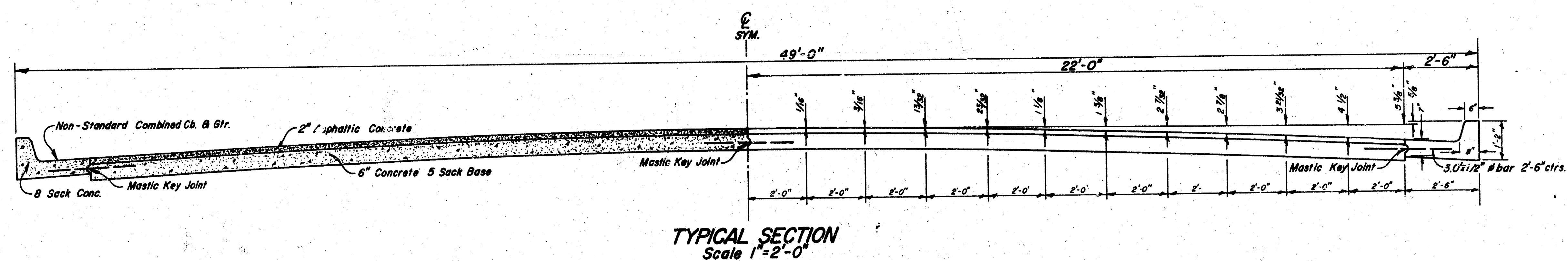


APPROVED DATE 7/14/67
W.J.
STATE HIGHWAY ENGINEER
STATE HIGHWAY COMMISSION OF KANSAS

APPROVED DATE July 1967
CITY ENGINEER
DEPARTMENT OF PUBLIC WORKS
CITY OF WICHITA, KANSAS

ARMOUR DRIVE

N.L. U.S. HIGHWAY 54 TO 500ft. SO. N.L. ROCKWOOD SQ. 3rd. ADDN.
PROJECT NO. C16-79



Survey
 Plan
 Exc
 Checked
 5/2/67

CURVE DATA BASED ON RADIUS = 73' Δ = 70°

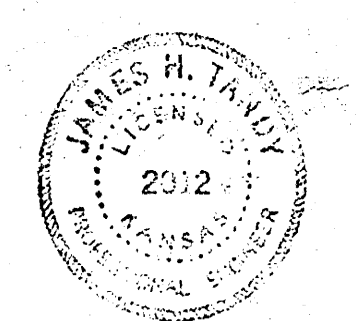
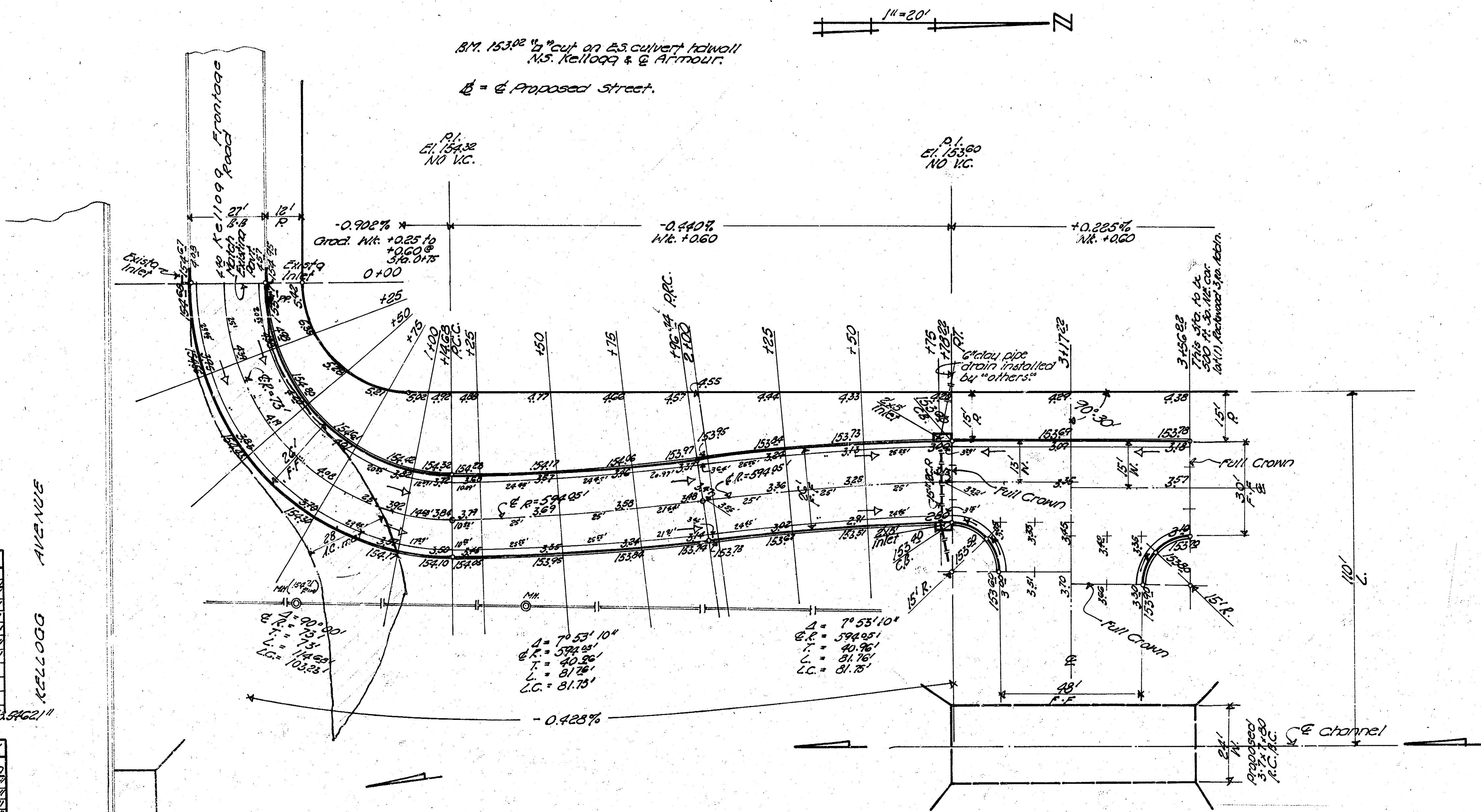
Station	ARC	CHORD	DELTA	DEFLECTION	CHORD BEHIND
0+00	-	-	0°00'00"	0°00'00"	0+00
125	25	36.04	17.34	8°48'39"	9°48'39"
150	"	"	"	"	14°57'18"
175	"	"	"	"	20°05'57"
150	25	36.04	17.34	8°48'39"	29°04'36"
100	1468	18.37	10.24	5°45'40"	45°00'16"

Δ = 23.6421"

CURVE DATA BASED ON RADIUS = 70.53' Δ = 70.53'

Station	ARC	CHORD	DELTA	DEFLECTION	CHORD BEHIND
1+468	-	-	0°00'00"	0°00'00"	1+468
125	1032	9.26	10.62	0°21'58"	0°21'58"
150	25	24.11	25.33	1°12'21"	1°12'21"
175	25	24.11	25.33	1°12'21"	2°24'42"
150	25	24.11	25.33	1°12'21"	3°36'63"
125	25	24.11	25.33	1°12'21"	4°48'24"
100	1468	18.37	10.24	5°45'40"	45°00'16"

Δ = 2.87348"



ARMOUR DRIVE.
 N.E. L.S. Hiney St. - S.W. L.S. Rockwood St.
 3rd Addition.
 44'2" Δ = 70.53' AC. with 22' Δ = 26' AC. Parabolic Road
 City of Wichita, Kansas
 B.E. Smith City Engineer
 Date: July 1967 Proj. No. C16-79

EARTHWORK QUANTITIES
 10820
 25940
 255' (NOM)
 230.304

3/4

