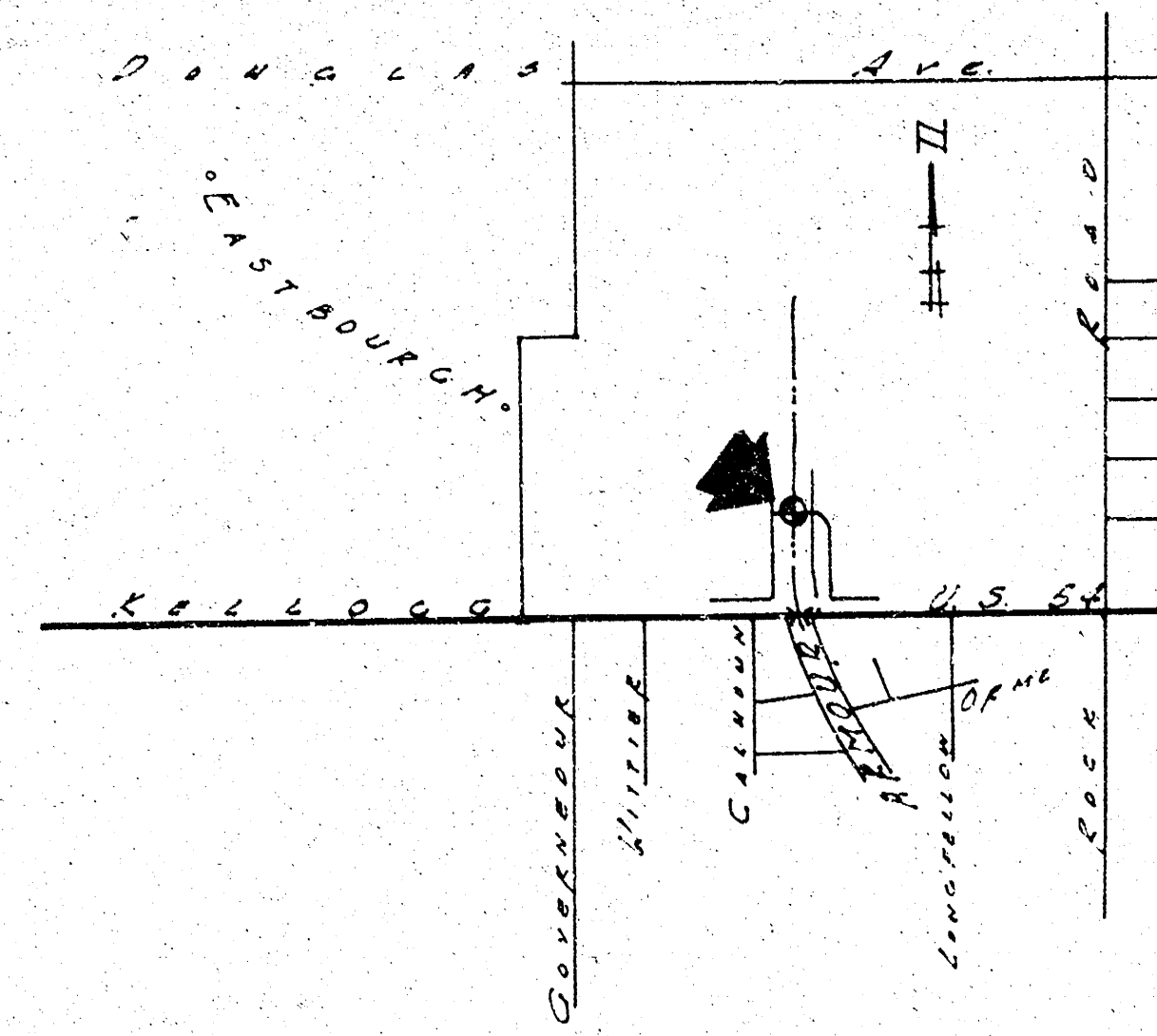
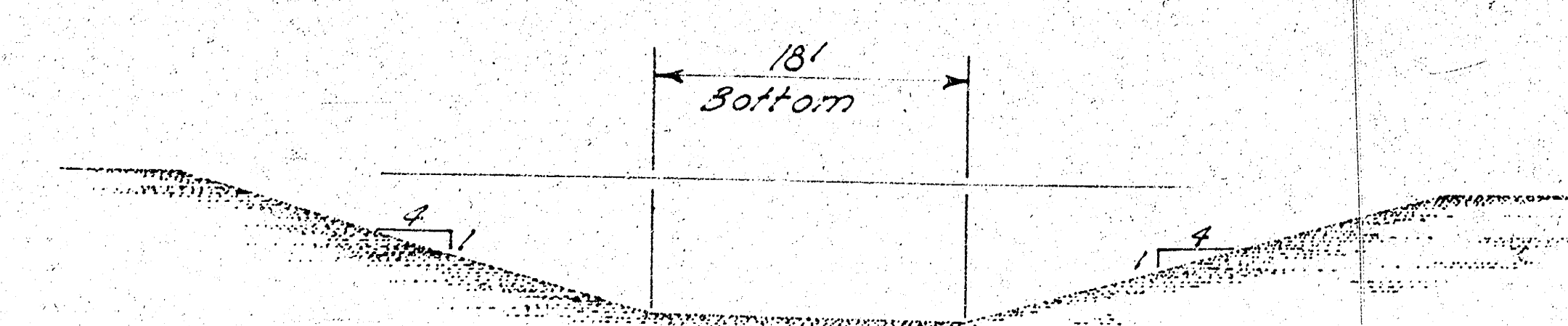
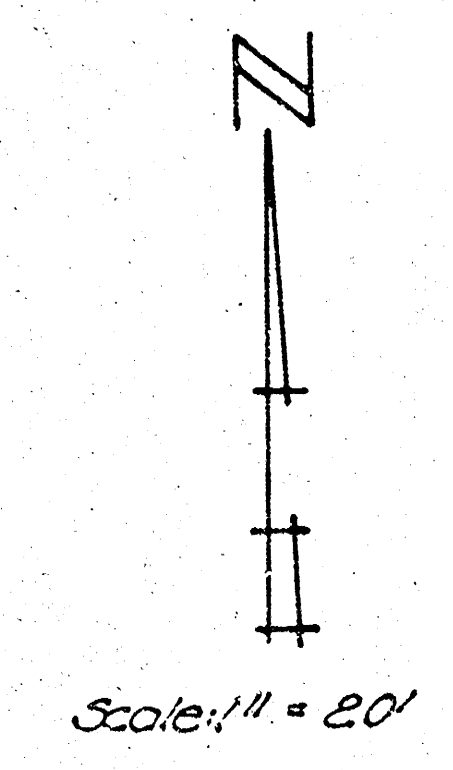
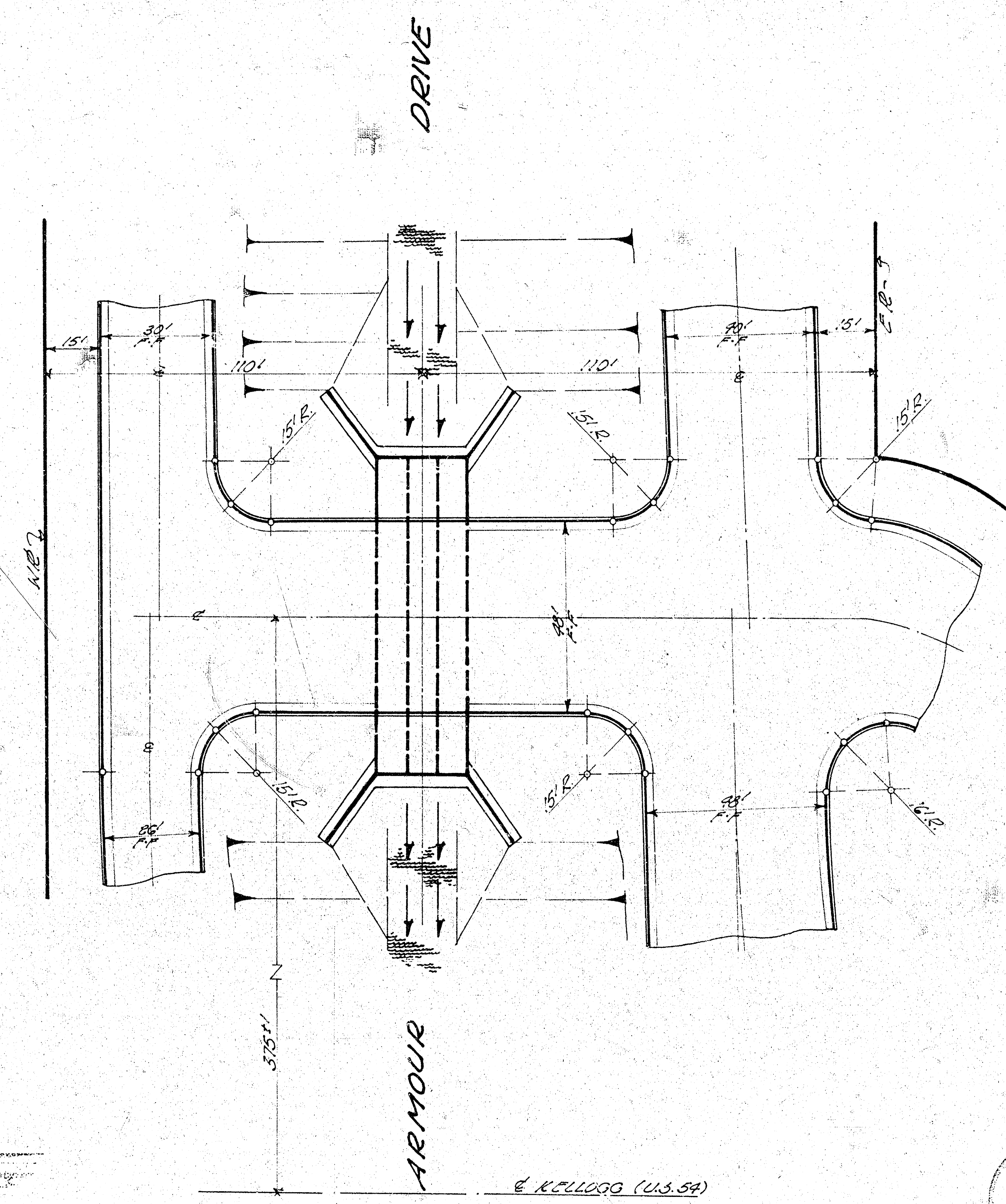
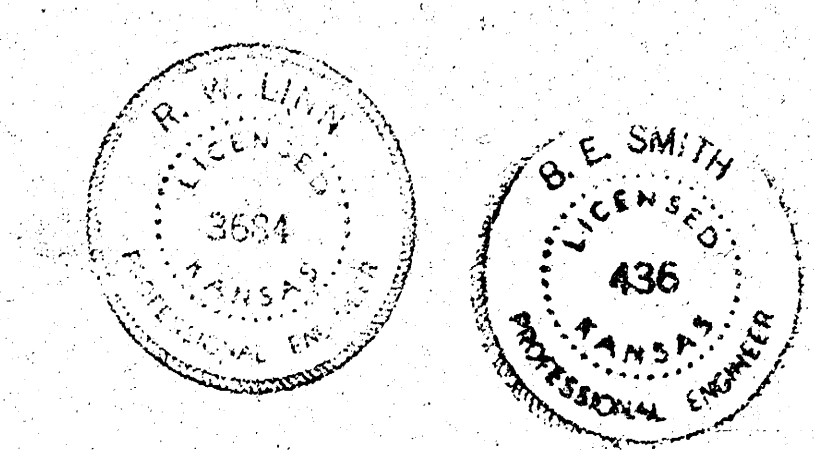




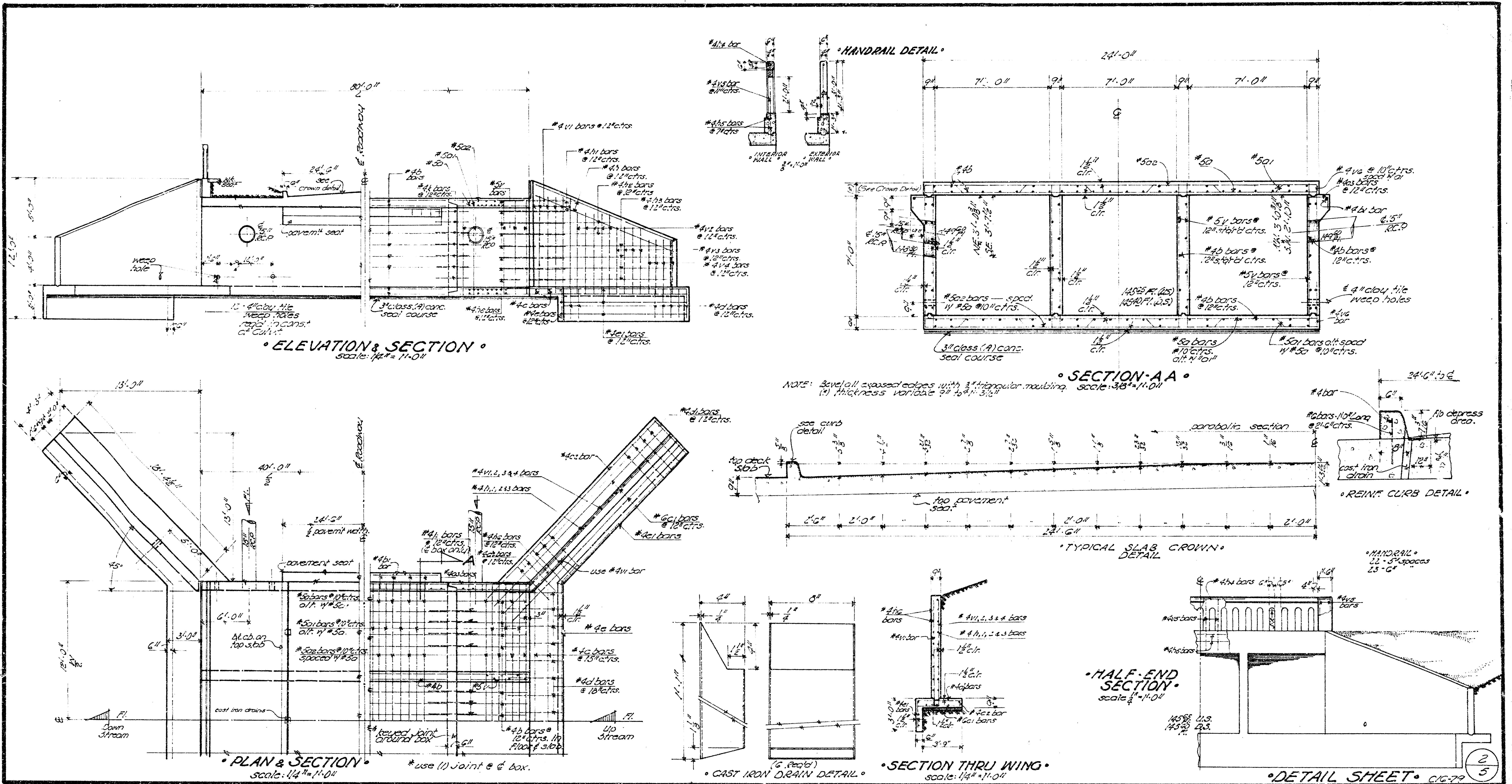
• LOCATION MAP •
No Scale



• EXISTING CHANNEL SECTION •



LOCATION MAP
 • 3-7' x 7' x 80' REINF. CONC. BOX CULVERT. •
 N.E. 1/4 Sec. 11, T. 54 N., R. 54 E., S. 10
 Armour Drive • 500' S. N. Rockwood, Mo.
 City of Wichita, Kansas
 B.C. Smith City Engineer
 Date: July 1967 1/5 Proj. No. C-16-79



BAR SCHEDULE						
bar	size	length	number	location	shape	weight
1	#5	23'-9"	192	Box		4756.08
01	#5	23'-0"	180	"		4954.25
02	#5	23'-9"	192	"		4756.08
03	#4	21'-5"	96	"		160.32
04	#4	39'-3"	200	"		5243.80
05	#4	23'-0"	4	"		63.46
06	#4	23'-0"	4	apex		63.46
07	#4	22'-0"	12	"		396.53
08	#4	21'-0"	4	"		50.78
09	#4	21'-0"	32	"		160.32
10	#4	21'-0"	68	"		295.26
11	#4	4'-0"	8	"		21.38
12	#4	28'-0"	8	"		112.22
13	#4	16'-0"	12	"		128.26
14	#4	19'-2"	8	manhole		102.83
15	#4	3'-0"	3	"		45.42
16	#4	12'-9"	8	"		68.12
17	#4	20'-3"	16	"		216.83
18	#4	23'-9"	4	handrail		31.73
19	#4	23'-9"	4	subgrade		63.46
20	#4	7'-0"	32	manhole		149.63
21	#4	3'-0"	76	Box		152.30
22	#4	10'-3"	320	"		2976.04
23	#4	10'-3"	24	manhole		164.32
24	#4	8'-5"	20	"		112.45
25	#4	7'-9"	16	"		82.83
26	#4	21'-5"	16	"		68.58
27	#4	21'-5"	96	subgrade		411.49
28	#4	3'-0"	320	Box		761.52
Reinforcement in conc. curb						32.04

BILL OF MATERIALS		
Item	quantity	unit
class A-45 Concrete	213.80	C.Y.
reinforcing steel	26,605	LBS
concrete handrail	48	L.F.
hand excavation	5	C.Y.
2x5 brick inlets	10	ea.
15" rein. concrete pipe	410	L.F.
common excavation	420	C.Y.
compacted fill	350	C.Y.
class A concrete	2242	C.Y.

GENERAL NOTES

CLASS A-45 Concrete shall be used throughout this project. All reinforcing steel shall conform to A.S.T.M. specifications.

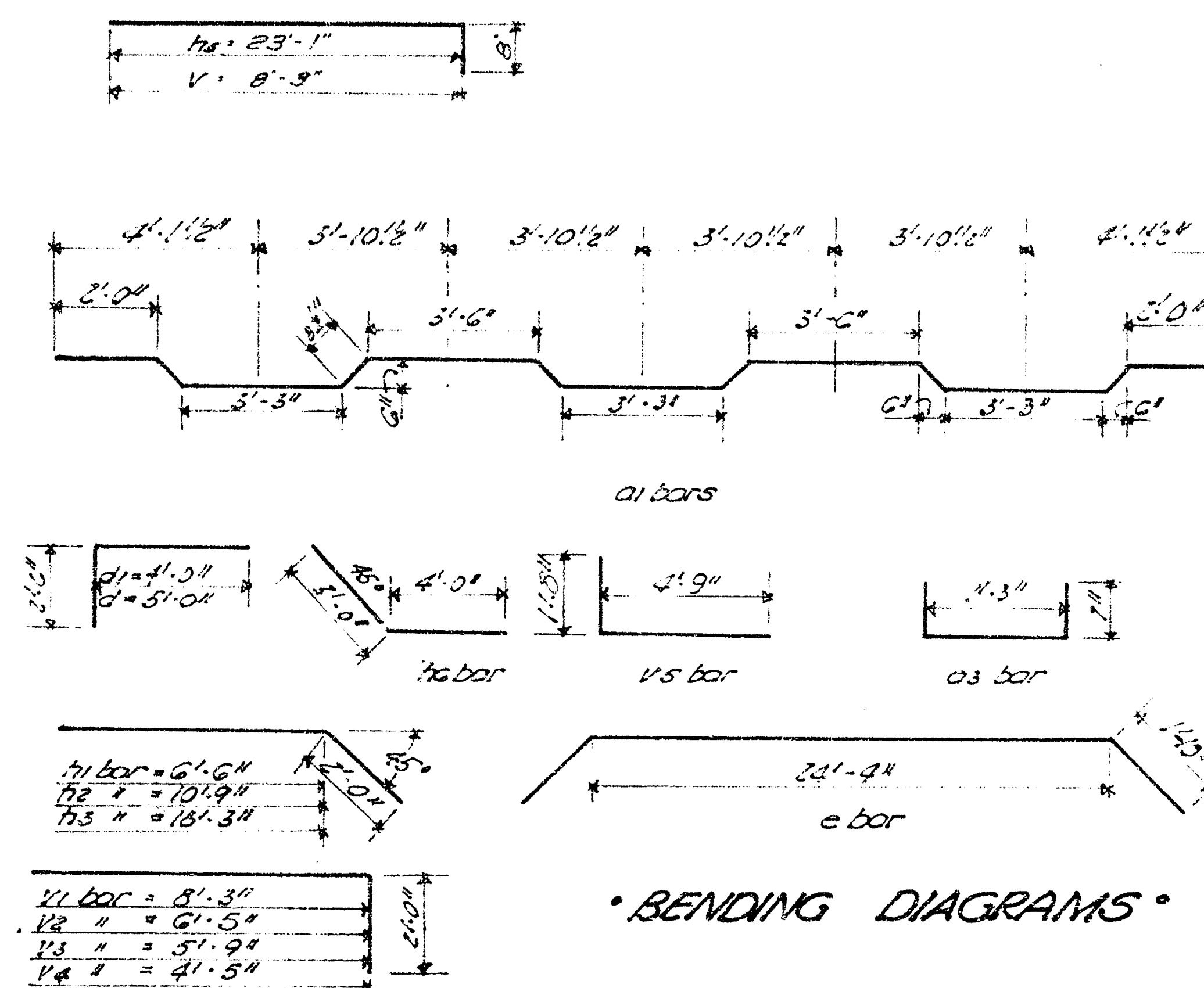
5. EARTHWORK: all earthwork shall be considered as "Common Excavation" except for the toewall. Toewall Excavation shall be included in "Lump Sum Bid."

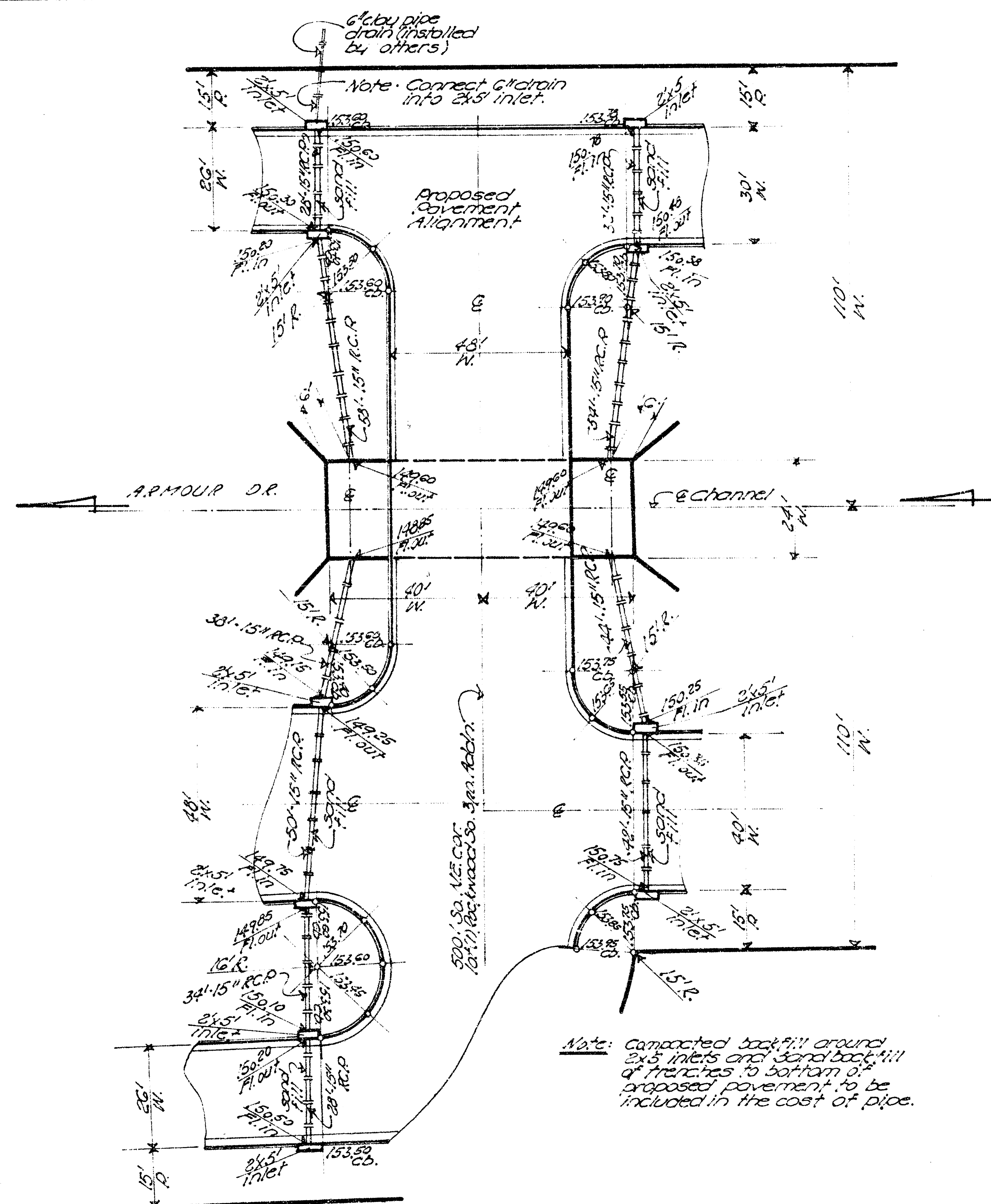
6. BACKFILL: shall be compacted to the bottom of new pavement grade. All backfill and excavation to extend to (2) beyond sides of box & manholes.

7. WEEDPROOFING: Coarse aggregate shall be deposited behind each weephole to occupy a space extending (18") in all directions above weephole flow line. This work shall not be paid for directly, but shall be considered a part of the excavation work.

8. SEAL COURSE: A seal course consisting of (3") 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.

9. BIDDING OF CULVERT: The culvert shall be bid as a "Lump Sum Bid" except for the following items: Cuydos common excavation, cuydos compacted fill, class A Concrete, L.F. 15" R.C.P., 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.





1" = 20'

4
5

INCIDENTAL DRAINAGE
in connection with 3-7x7x80, R.C.B.C.

CIG-79

