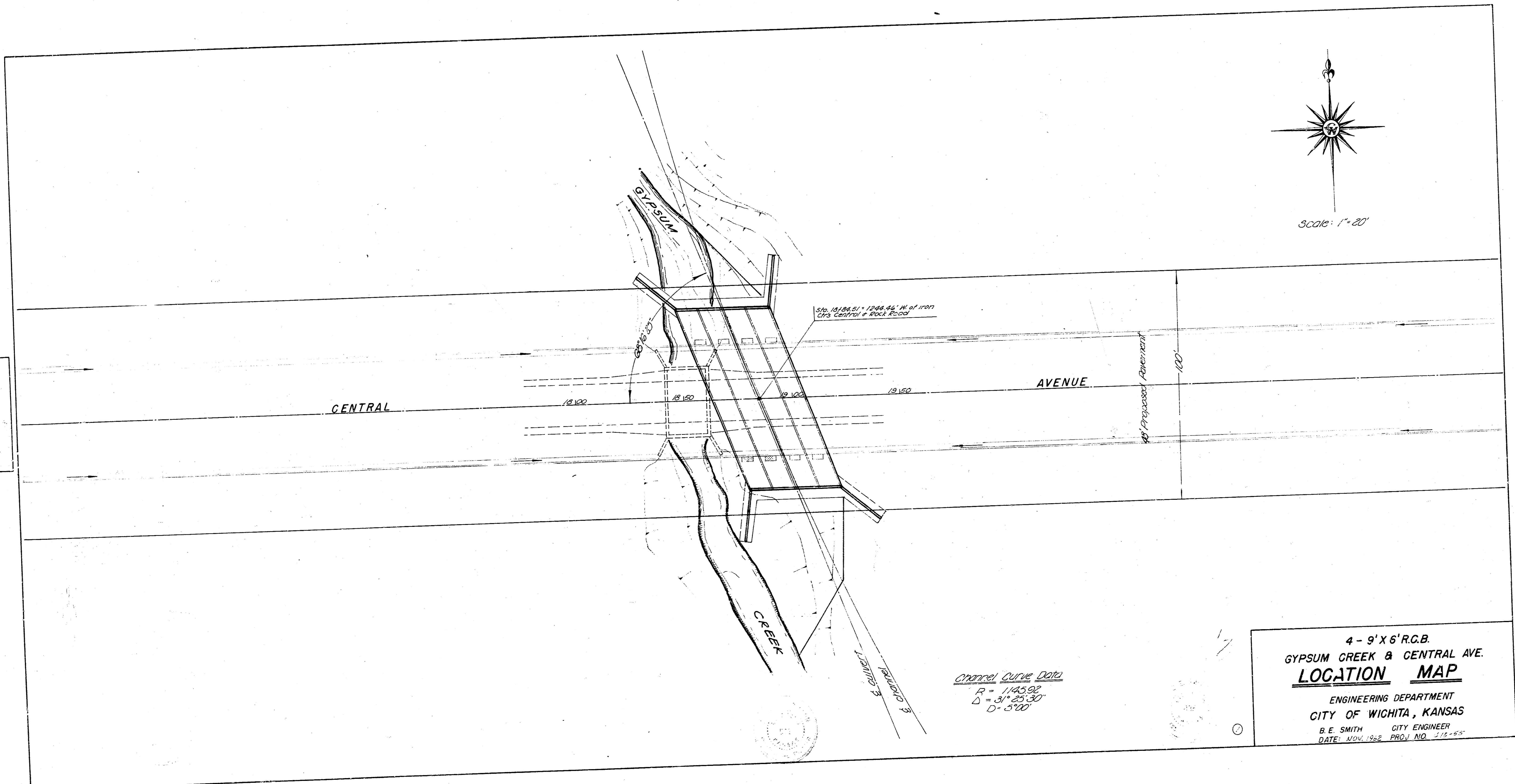
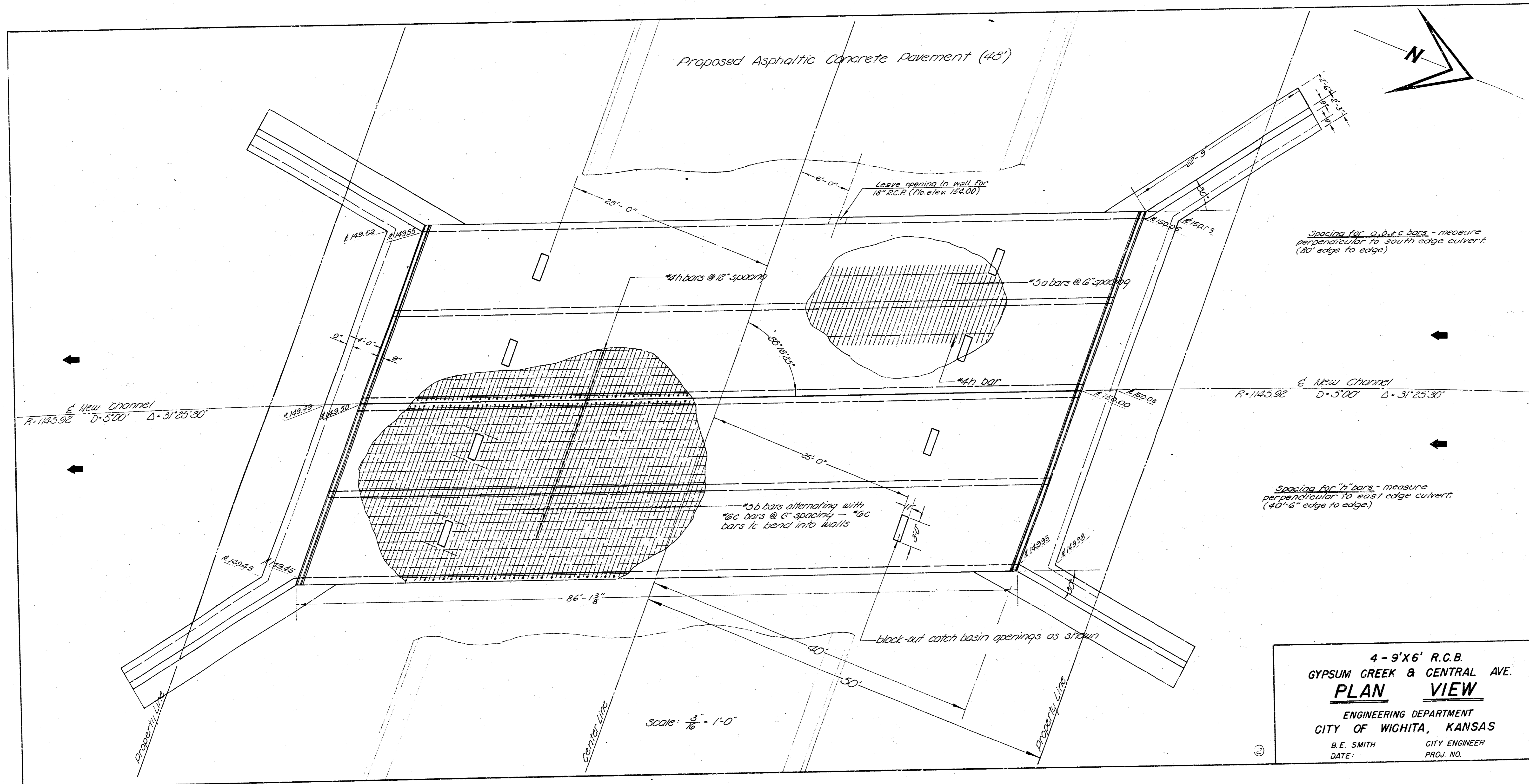


1/2" = 1' 0"

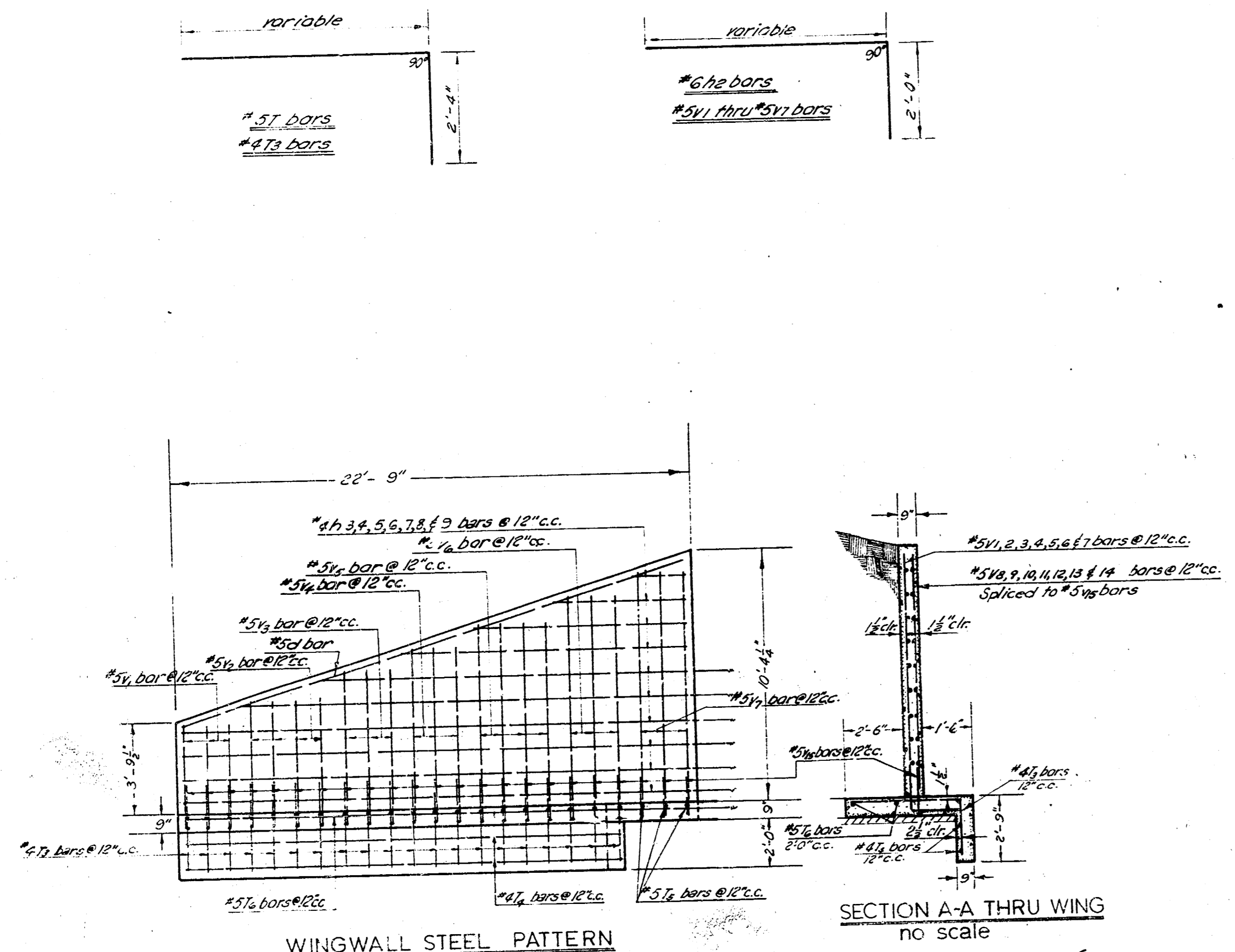


*Channel Curve Data*  
 R = 1145.92  
 Δ = 31° 25' 30"  
 D = 370

4 - 9' X 6' R.C.B.  
 GYPSUM CREEK & CENTRAL AVE.  
**LOCATION MAP**  
 ENGINEERING DEPARTMENT  
 CITY OF WICHITA, KANSAS  
 B. E. SMITH CITY ENGINEER  
 DATE: NOV. 1962 PROJ. NO. 372-65



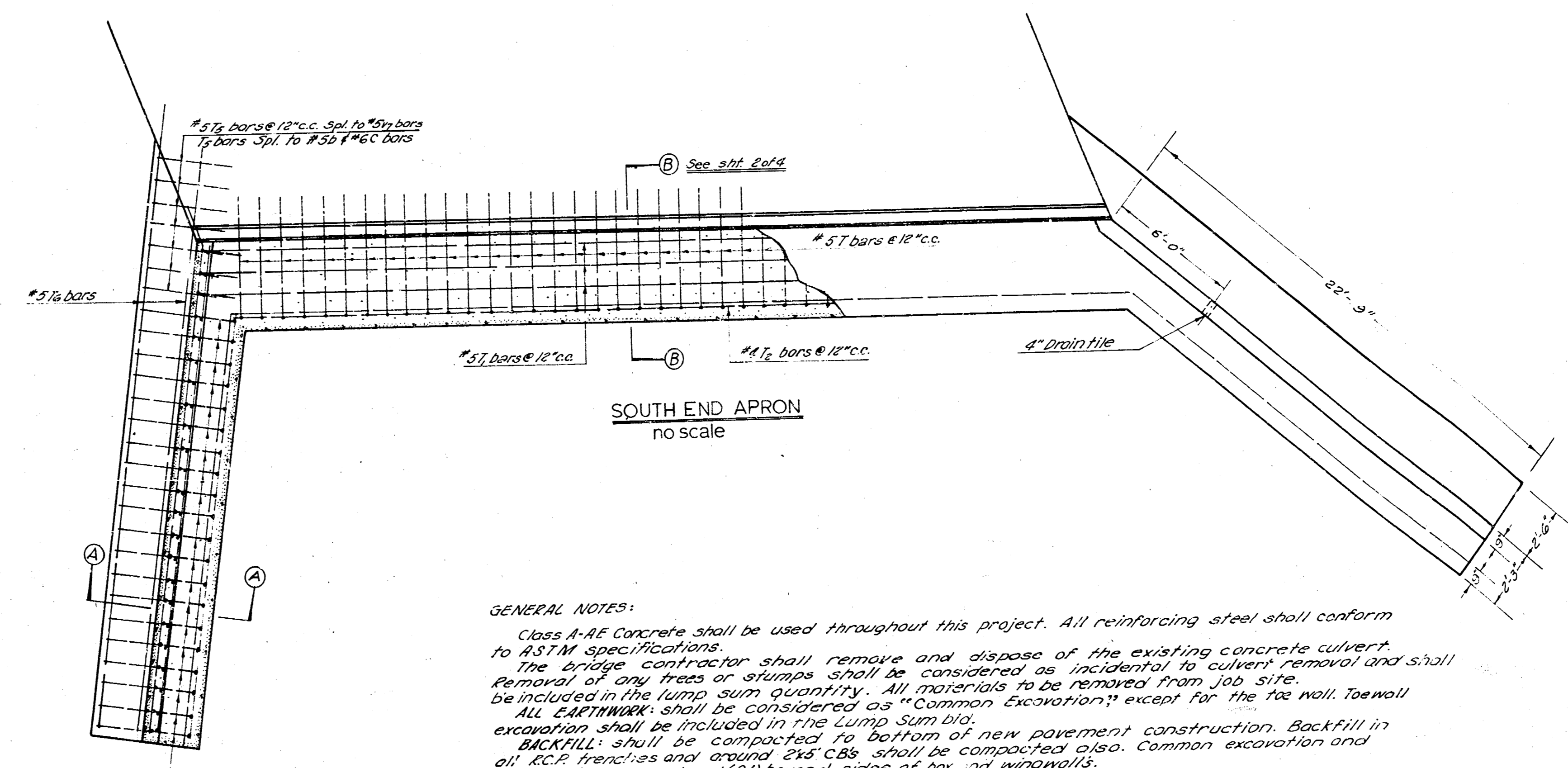
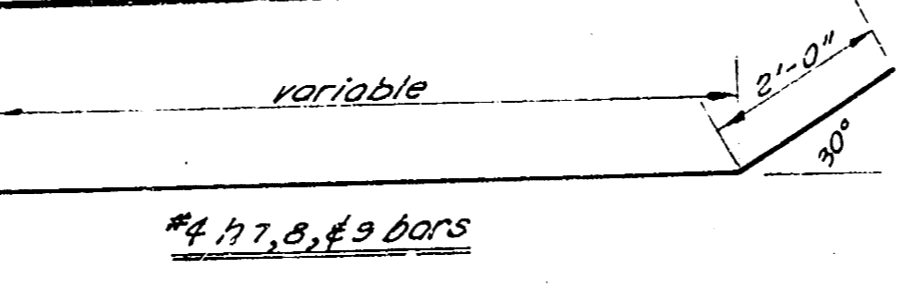




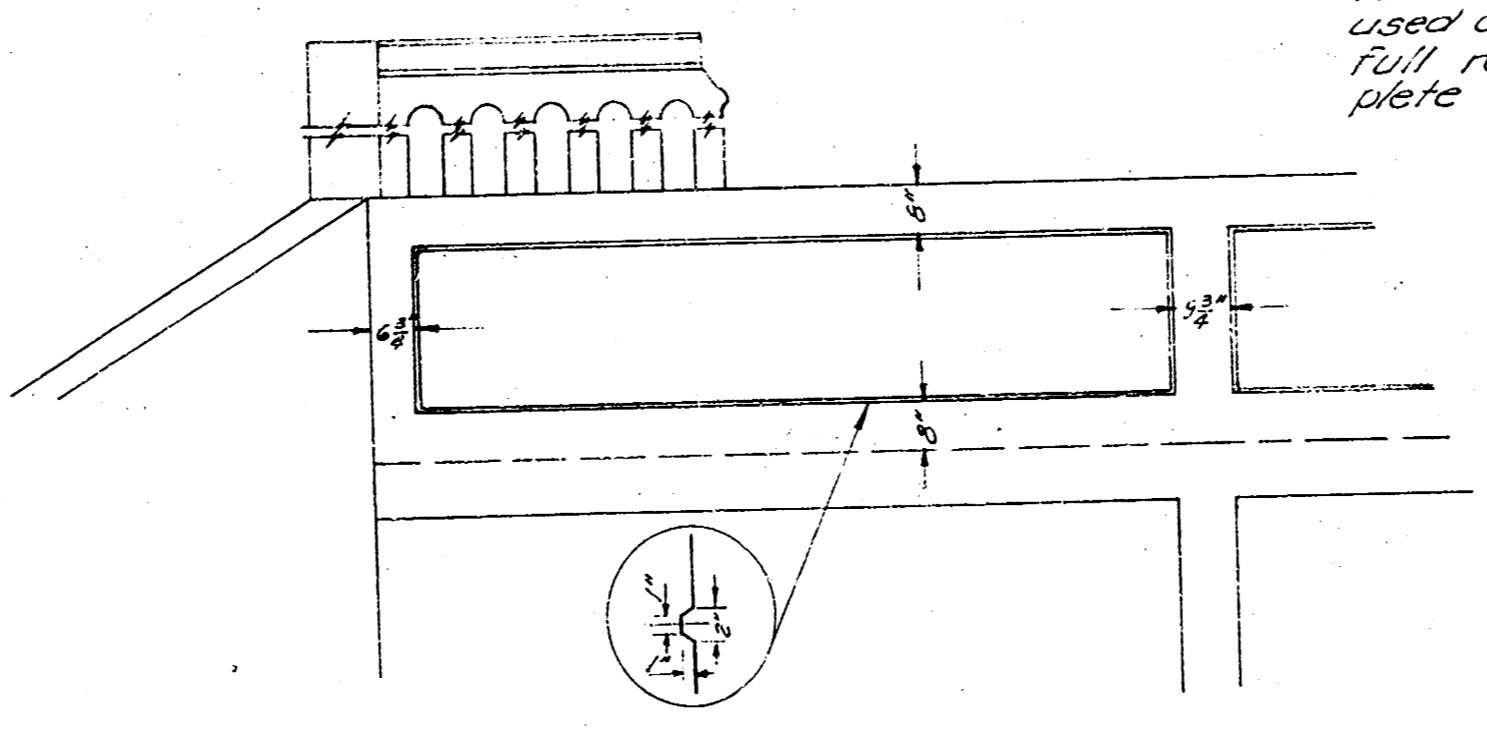
Bar	Size	Location	No.	Length	Shape	Spacing	Wt.
1	#5	Box	660	9'-8"			675.3
2	#5	Box	360	21'-0"			750.4
3	#5	Box	360	26'-9"			1335.7
4	#5	Wing	8	23'-0"			295
5	#5	Box	480	30'-0"			261.9
6	#5	Wingwall	10	15'-9"			136.7
7	#5	Wingwall	10	6'-0"			124
8	#5	Wing	8	6'-6"			85
9	#5	Box	8	9'-6"			91
10	#5	Box	8	13'-0"			89
11	#5	Box	8	18'-6"			69
12	#5	Box	8	22'-0"			118
13	#5	Box	32	24'-6"			92
14	#5	Wingwall	36	21'-0"			273
15	#5	Wingwall	8	21'-9"			97.9
16	#5	Apron	24	21'-0"			229
17	#5	Apron	12	21'-0"			180
18	#5	Wingwall	12	22'-6"			335
19	#5	Wingwall	80	11'-9"			724
20	#5	Box	32	3'-6"			105
21	#5	Box	8	28'-0"			234
22	#5	Box	480	7'-0"			321
23	#5	Wingwall	12	6'-3"			121
24	#5	Box	12	7'-3"			103
25	#5	Box	12	9'-3"			116
26	#5	Box	12	10'-3"			121
27	#5	Box	12	11'-3"			131
28	#5	Box	12	12'-3"			153
29	#5	Box	12	3'-6"			48

Bar	Size	Location	No.	Length	Shape	Spacing	Wt.
30	#5	Wingwall	12	8'-6"			76
31	#5	Wingwall	12	5'-6"			69
32	#5	Wingwall	12	5'-6"			69
33	#5	Wingwall	12	7'-6"			125
34	#5	Wingwall	12	8'-6"			136
35	#5	Wingwall	12	9'-6"			147
36	#5	Wingwall	12	11'-6"			179
37	#5	Wingwall	32	21'-6"			240

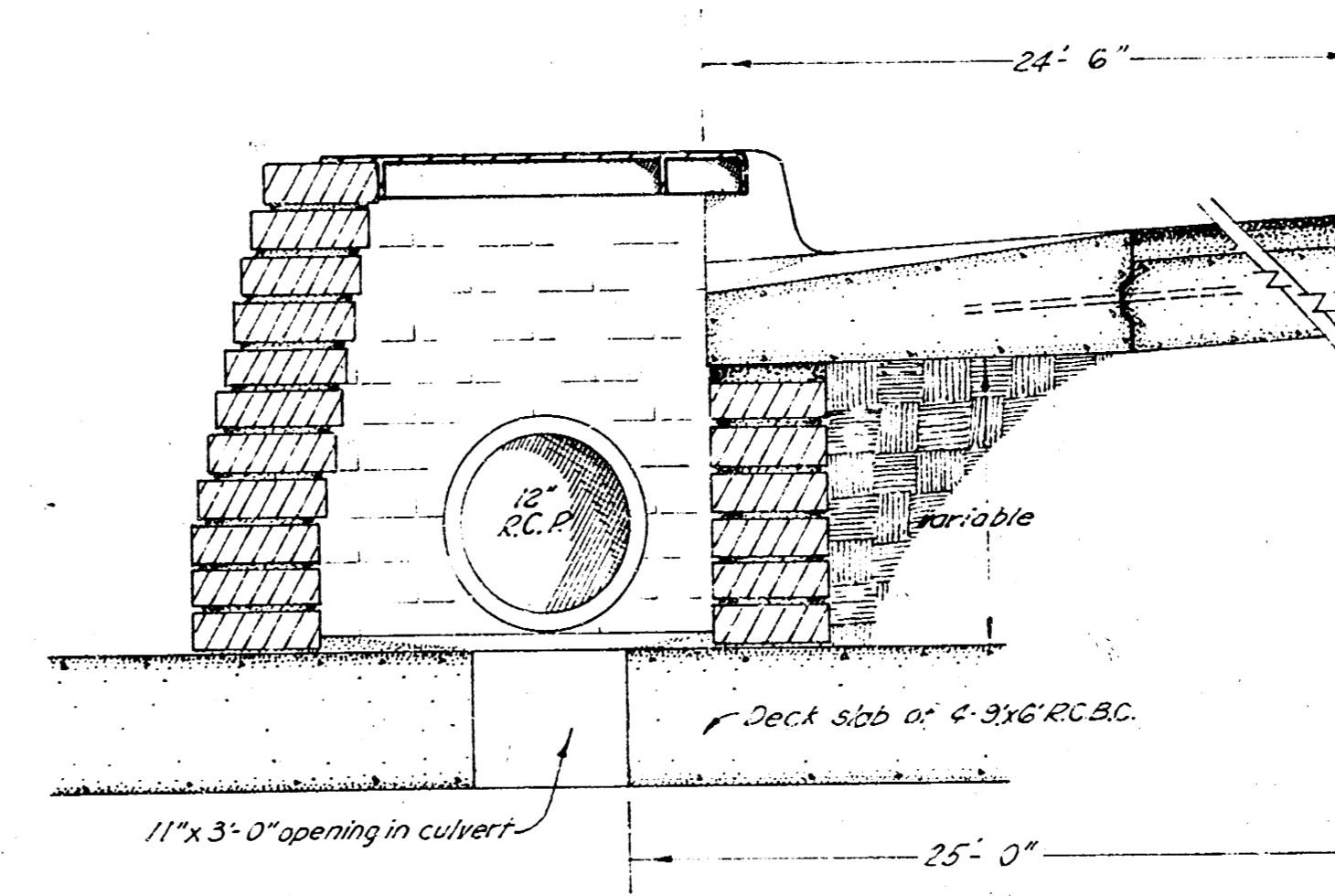
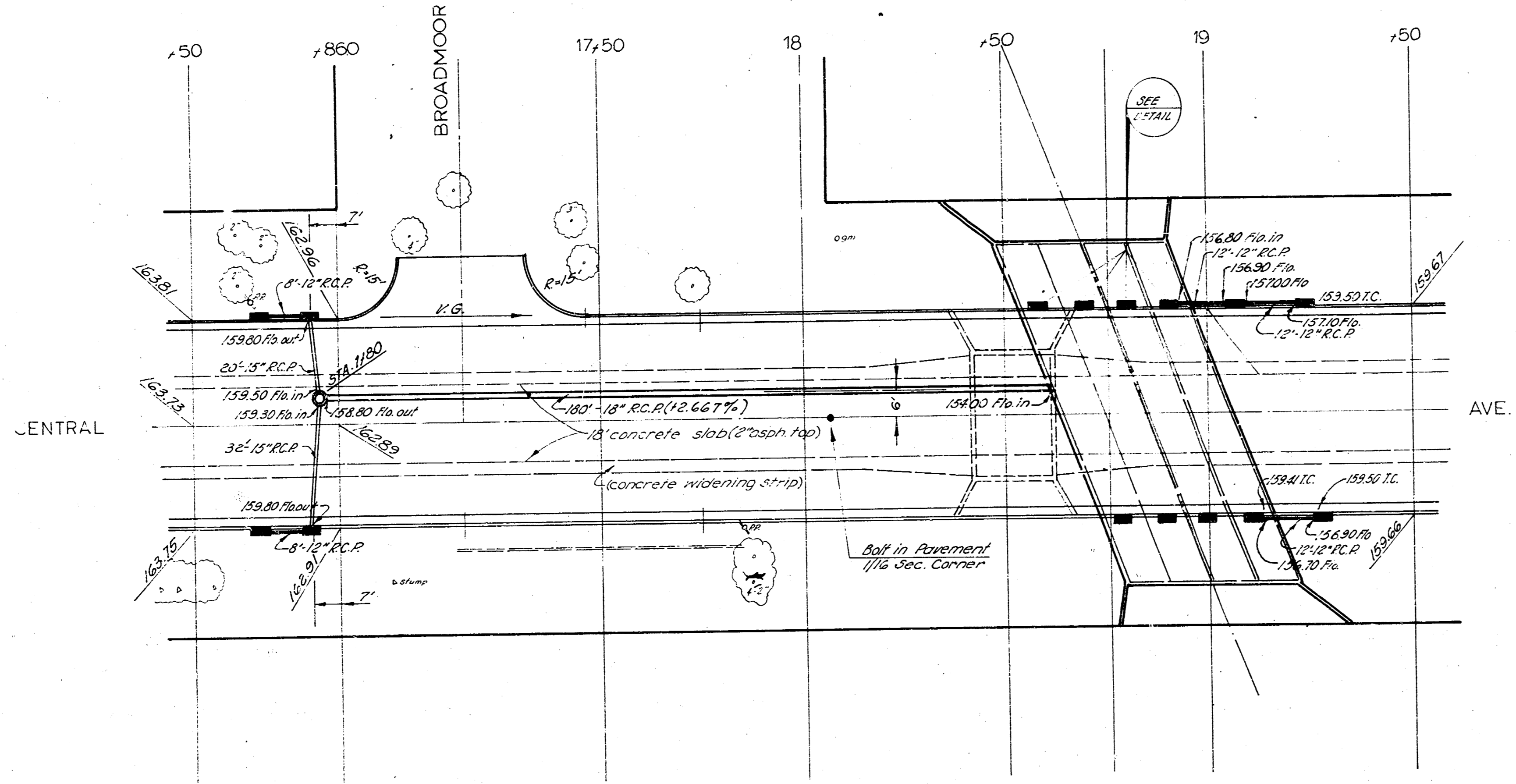
Items	Quantity	Units
Class A-AC Concrete	332.0	CU. YDS.
Reinforcing Steel	4400.0	LBS.
Concrete Formwork	86.5	SQ. FT.
Common Excavation	260.0	CU. YDS.
Backfill	3.0	"
Compacted Fill	736.4	"
2x5 Catchbasins	12	EACH
18" R.C.P.	180	LINEAL FT.
12" "	52	"
12" "	52	"
Box Manhole	1	EACH
Concrete Culvert removed	1	"
Class A Concrete Seal Course	36.9	CU. YDS.



**GENERAL NOTES:**  
 Class A-AC Concrete shall be used throughout this project. All reinforcing steel shall conform to ASTM specifications.  
 The bridge contractor shall remove and dispose of the existing concrete culvert. Removal of any trees or stumps shall be considered as incidental to culvert removal and shall be included in the lump sum quantity. All materials to be removed from job site.  
 ALL EARTHWORK shall be considered as "Common Excavation" except for the 12" wall, to wall excavation shall be included in the lump sum bid.  
 BACKFILL shall be compacted to bottom of new pavement construction. Backfill in all R.C.P. trenches and around 24" CBS shall be compacted also. Common excavation and backfill is to be extended (2') beyond sides of box and wingwalls.  
 WEAP HOLES: coarse aggregate shall be deposited behind each weep hole to occupy a space extending 18" in all directions above weep hole. This work shall not be paid for directly but shall be considered part of the excavation work.  
 SEAL COURSE - A Seal Course consisting of 3" of 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.  
 BIDDER OF CULVERT - The Culvert shall be bid as "LUMP SUM" bid except for the Common Excavation and Compacted Fill units. These two units will be paid for by the cu yds. determined from the final cross-sections. The Bar Schedule and the Bill of Materials List shown on plan are to be used as a guide only and not to be considered as final quantities. The Contractor will have the full responsibility for providing all materials shown on the detailed plans necessary to complete this project.



2.1/1/18 2.2 2" cut on SW Cor. handrail, post on W end of so handrail, Bridge Sta. 18+42  
 \*\* 1/16" frame SW Cor. alone slab on Woodlawn Village man., NW Cor. Central & Tullyrand.



Catchbasin Detail Over 4-9x6' R.C.B.C.