

B.M. 156.83 6" In Globe S. Co. Gilbert W.L. Olive
 B.M. 151.27 7" In Mueller Fire Plug N.E. Cor. Eastwid of Gilbert

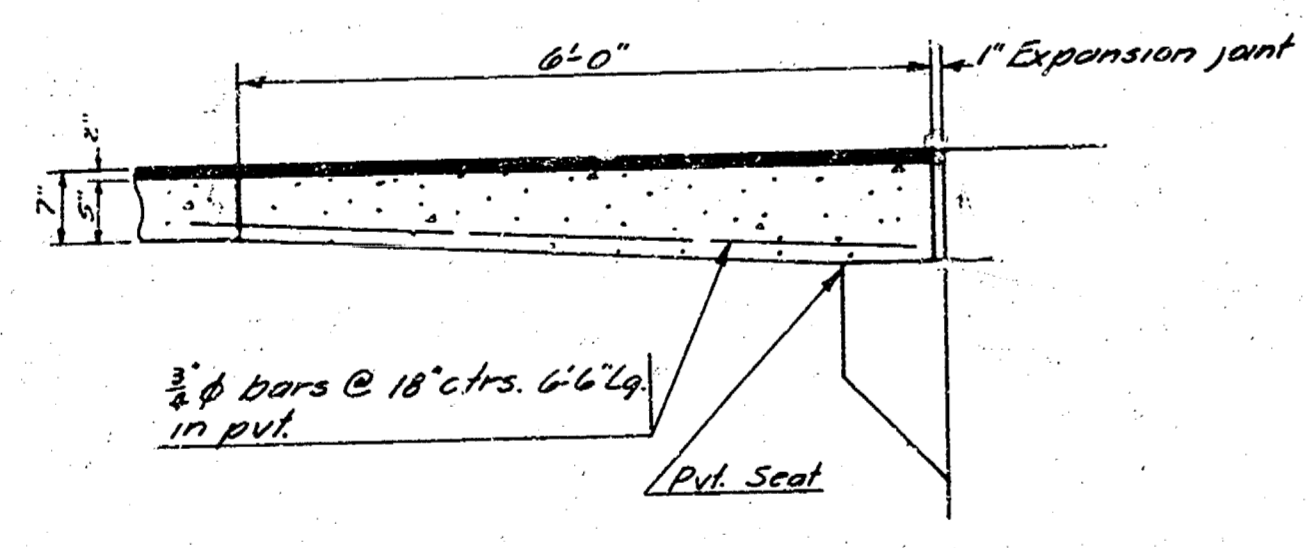
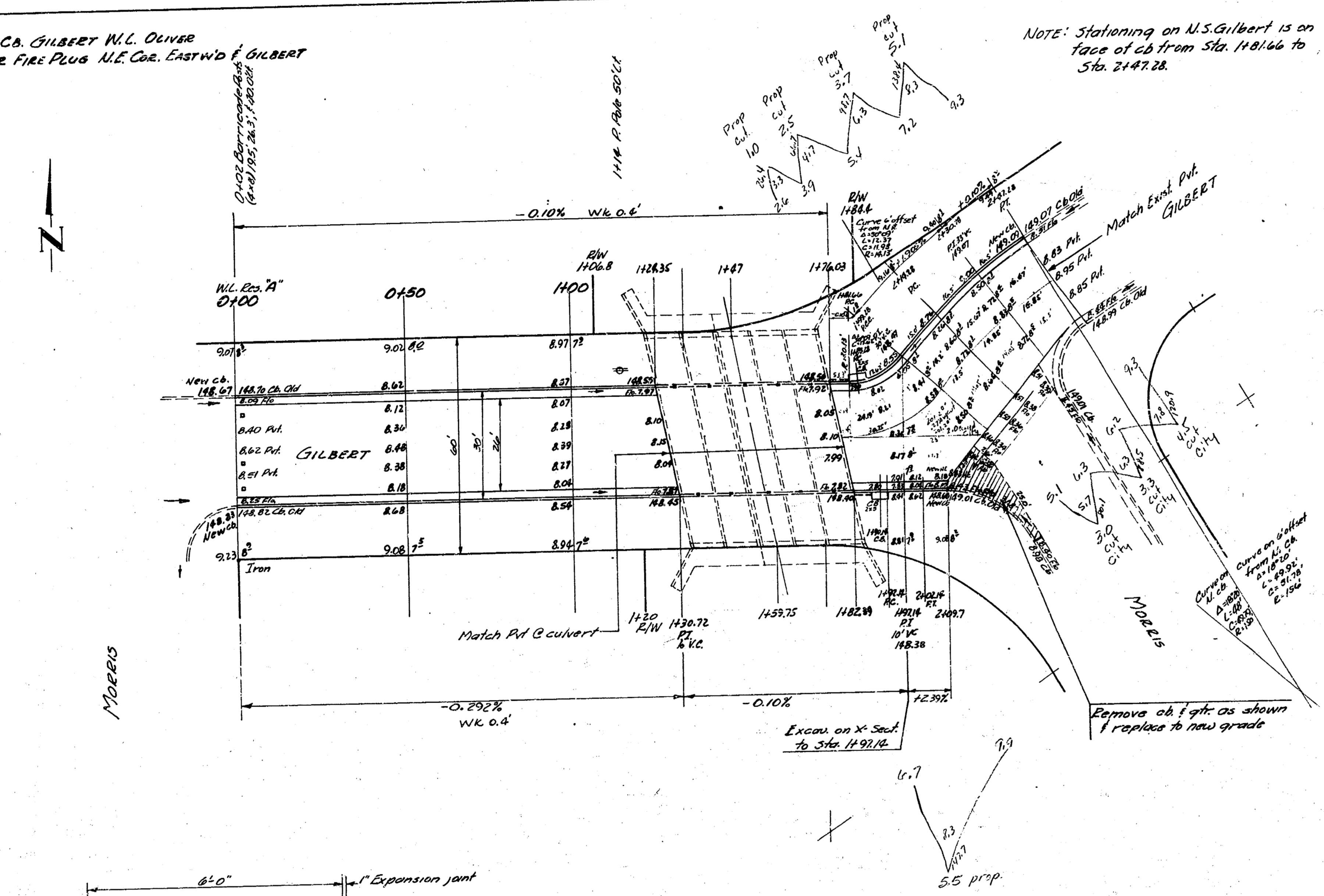
NOTE: Stationing on U.S. Gilbert is on
 face of cb from Sta. 148146 to
 Sta. 214728.

Excavate Total

Prop.	City
17.8	12.8
X-sec 31.0	412.1
+10% 4.9	Total 18.1 cu. yds
Total 53.7	

Fill Total

Prop.	City
23.2	0
+10% 23.1	
Total 46.3	



TYPICAL SECTION AT PVT SEAT

34.40 Total Ex. 435' Ex. of Road
 34.40 Total Fill 271' C.P.V.
 Inland Road 10' cts. 20' cts.
 200' C.P.V. made by 4' dia
 where the pipe is 4' dia

1
2

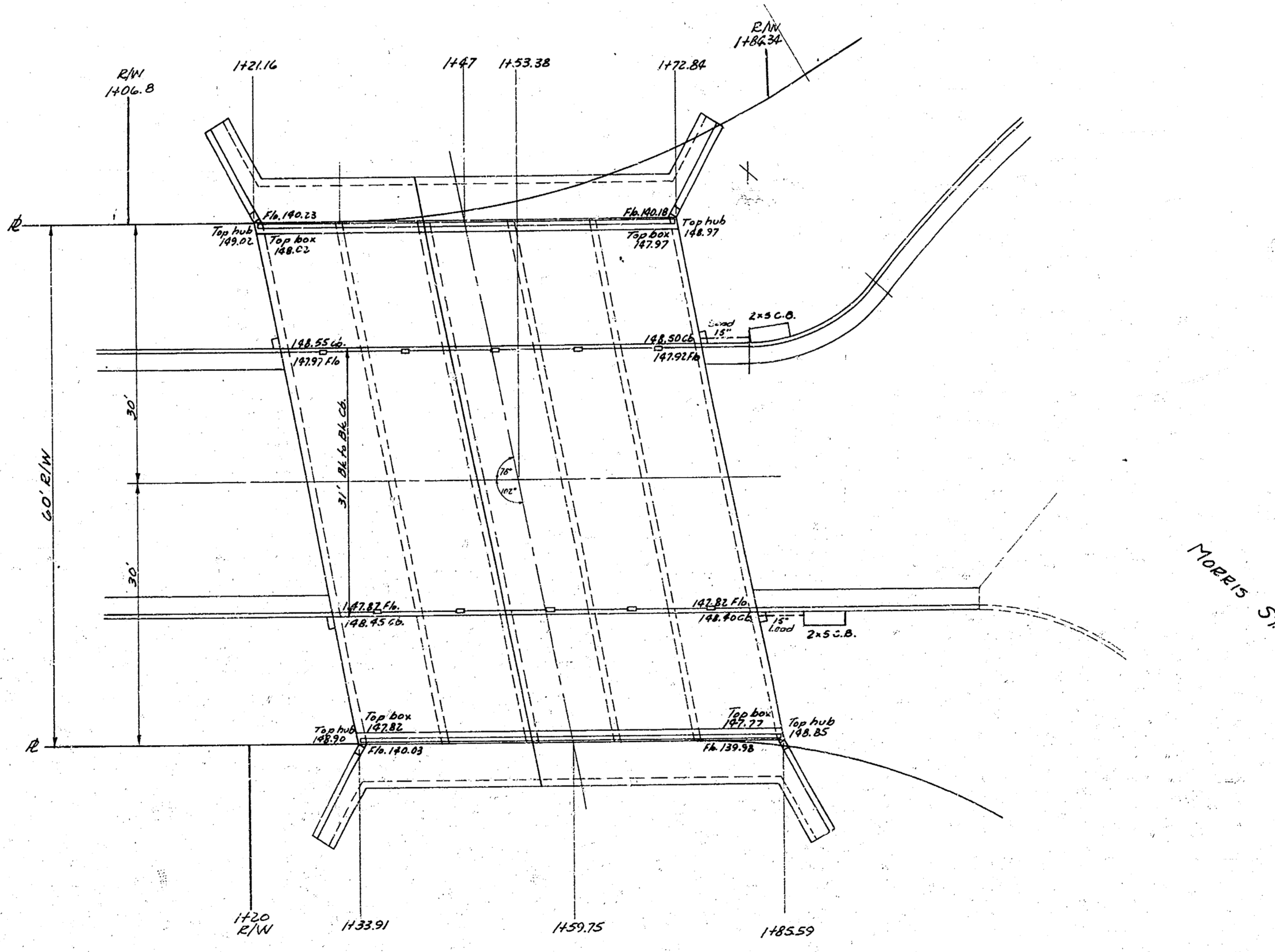


GILBERT ST
 W.L. RES. 11' EASTWID VILLAGE ADD²
 70 W.L. 10' 17' DIA. 7" EASTWID VILLAGE ADD²
 26-2-30
 CITY OF WICHITA, KANSAS
 B.E. SMITH CITY ENGINEER
 MARCH 1954 PROJ. No. C13-213

Surveyed by T. H. Morris, P.E.
Date: 12/15/01
Checked: D.C.

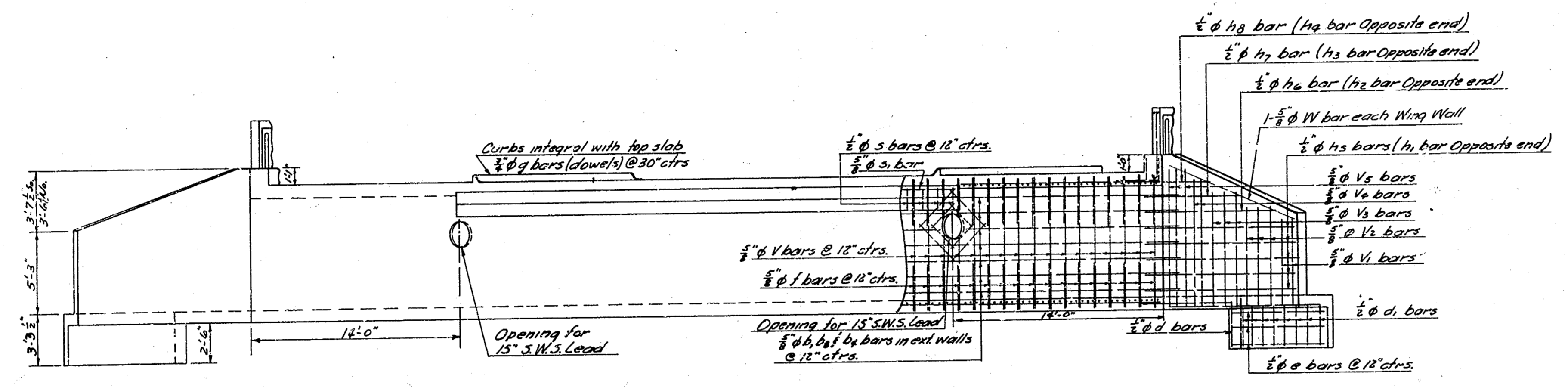
5-9'x7' R.C.B. GILBERT & MORRIS

C-13-213

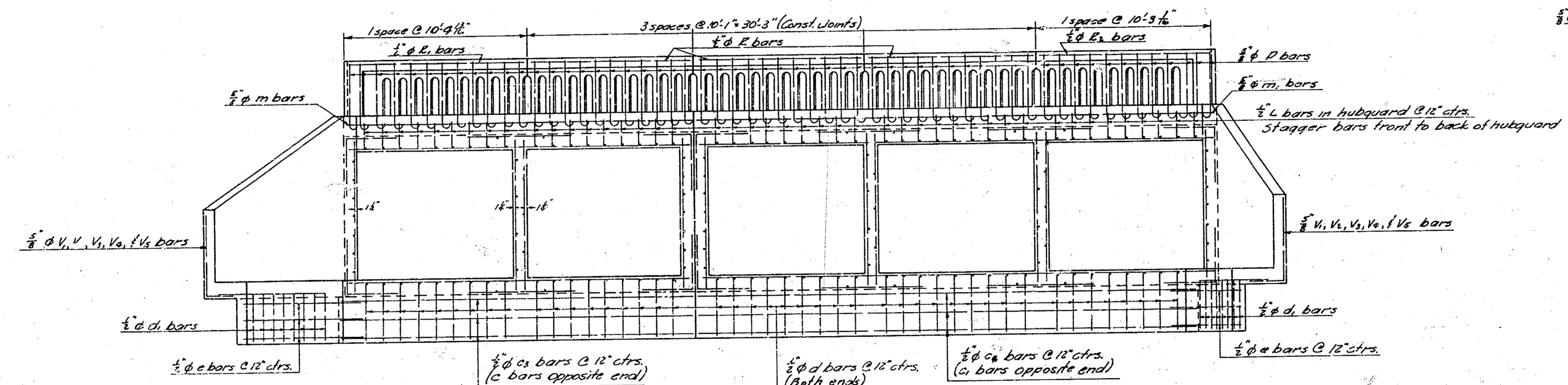


PLAN LAYOUT
SCALE: 1"=10'-0"

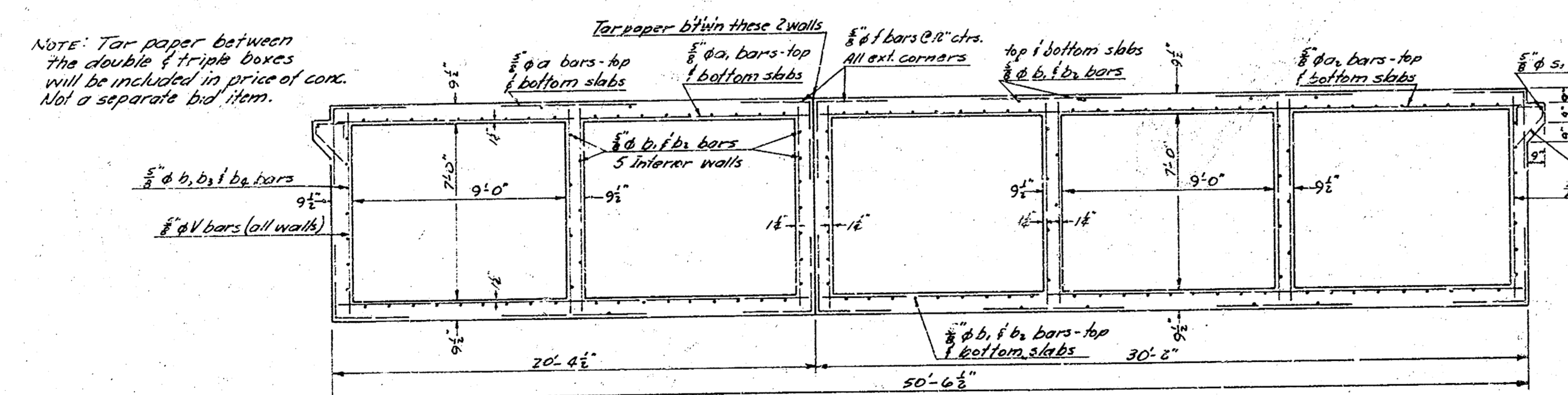




EAST ELEVATION

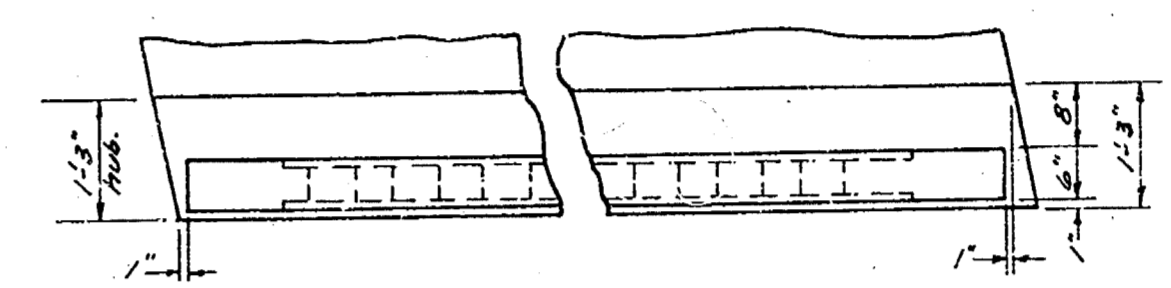


SOUTH ELEVATION

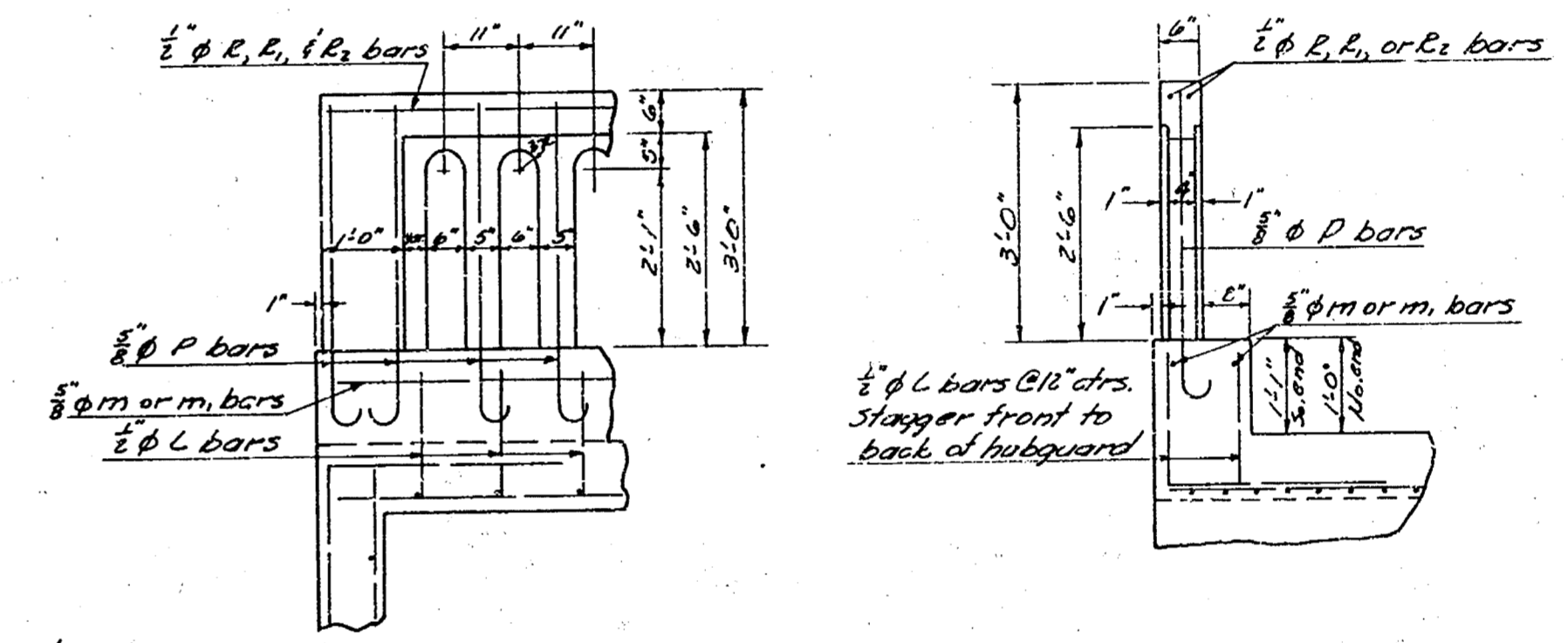


CROSS SECTION OF BOX

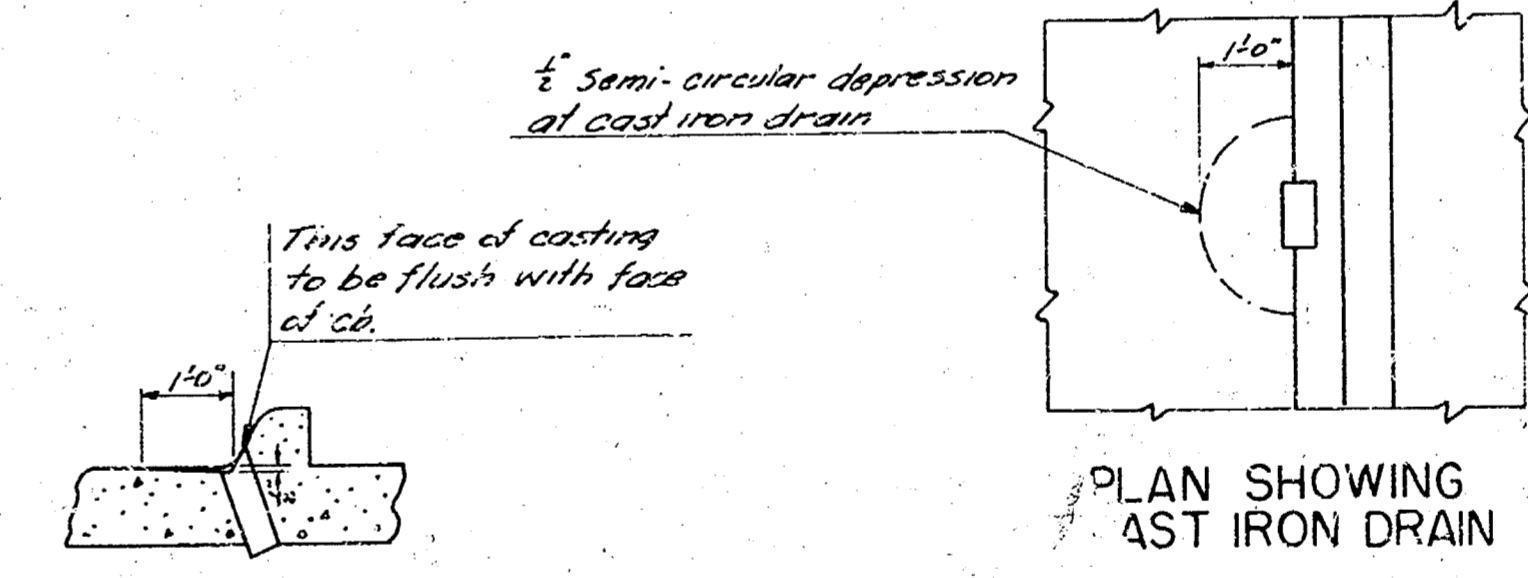
NOTE: Excavation is to be extended 20' beyond sides of the box & wingwalls. Backfill is to be carried to original ground elevation. Backfill is to be sand stabilized, mechanically tamped.



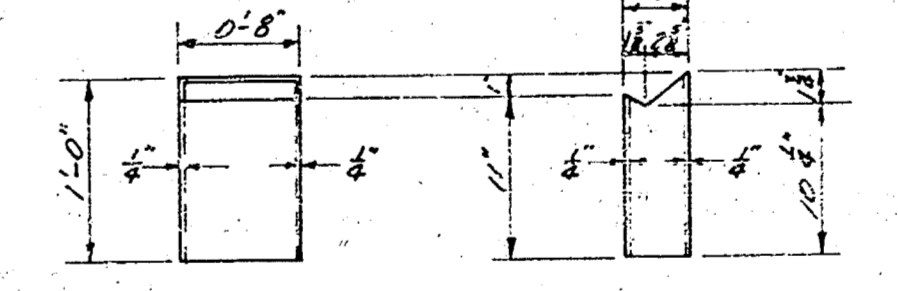
LOCATION OF HANDRAIL ON HUBGUARD

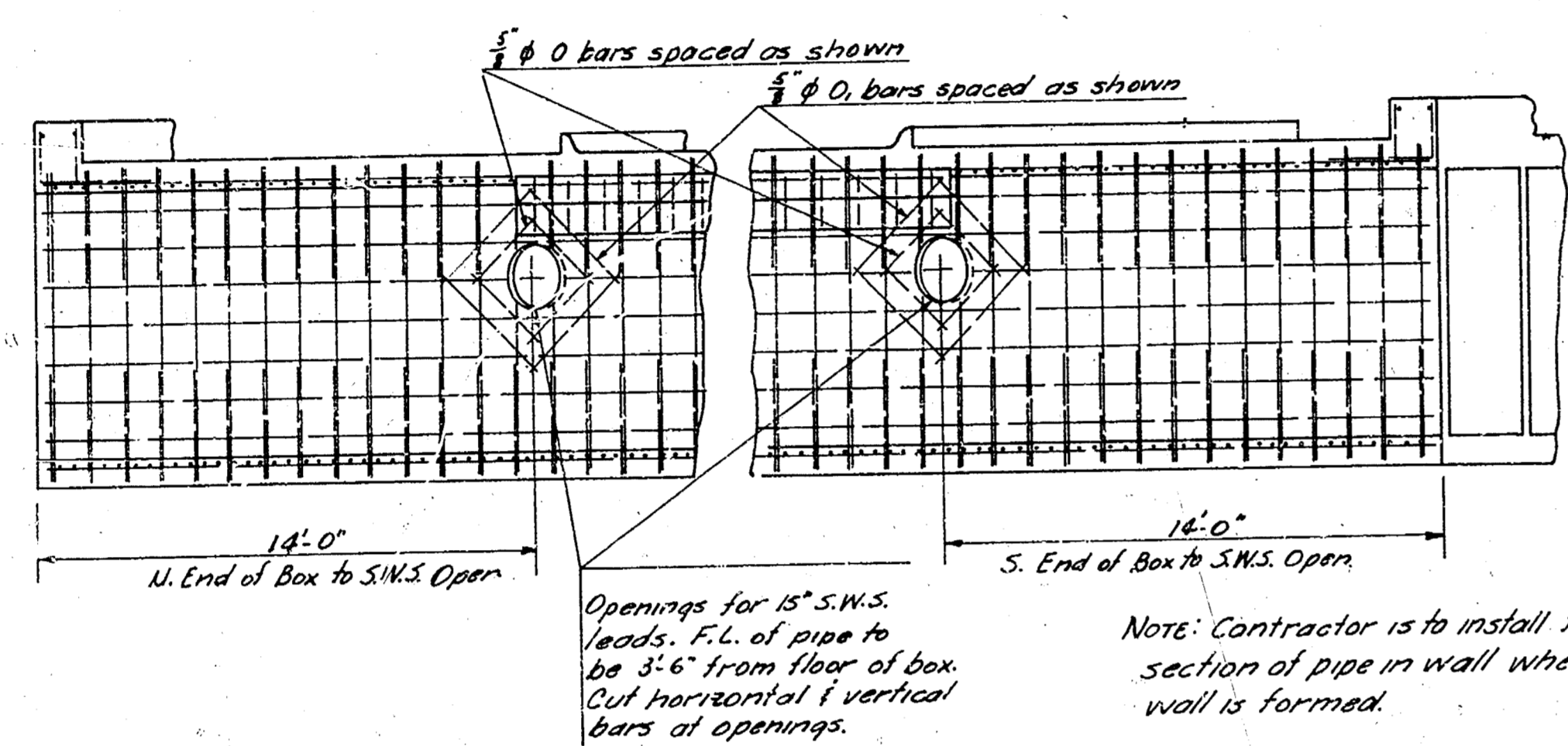


DETAIL OF HANDRAIL

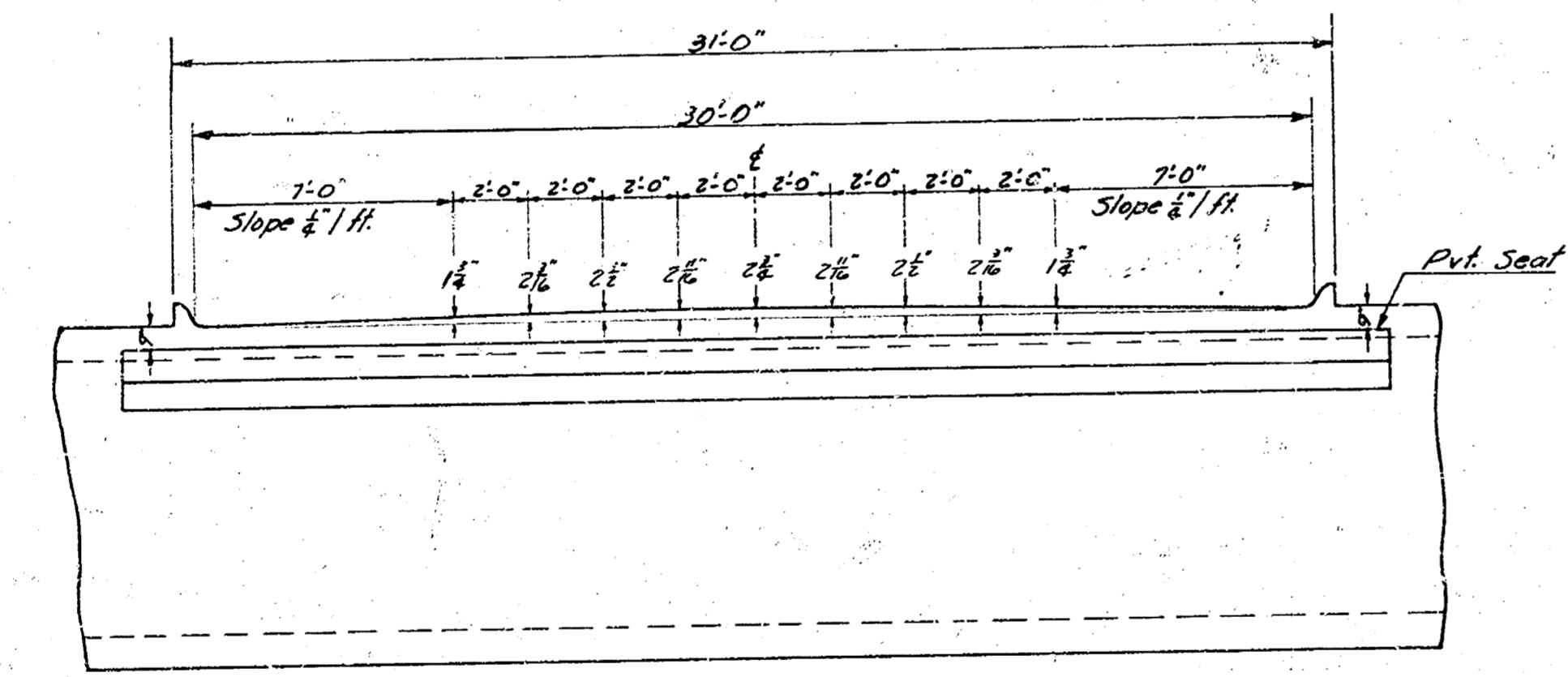


SECTION THRU CAST IRON DRAIN

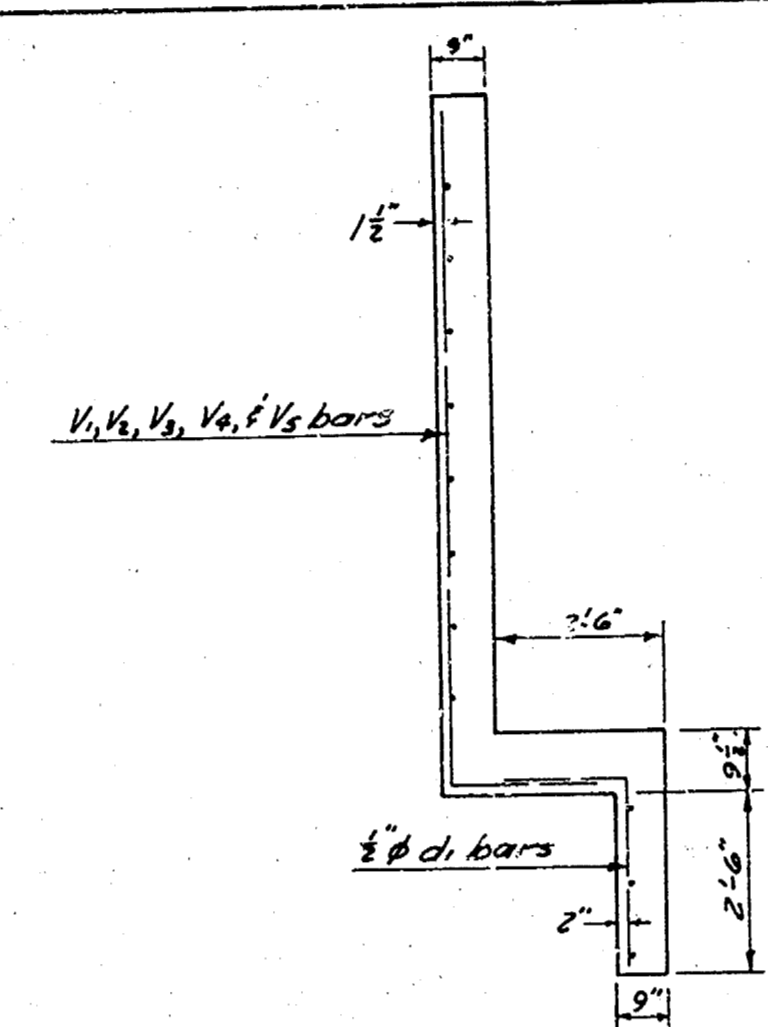




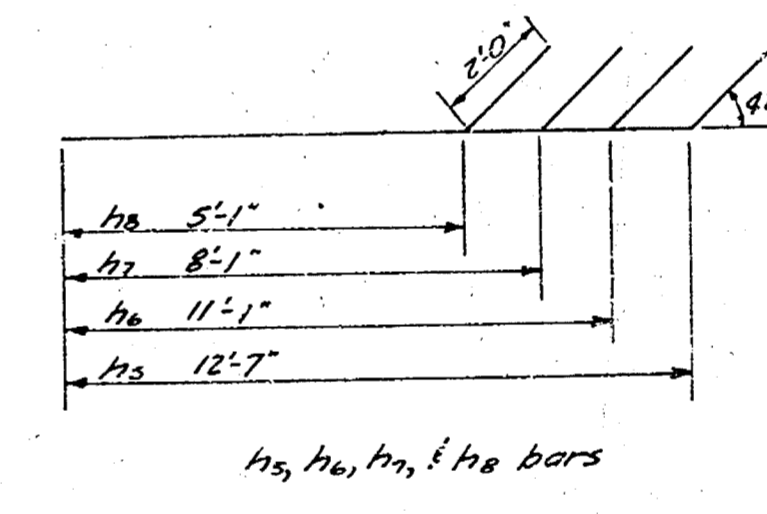
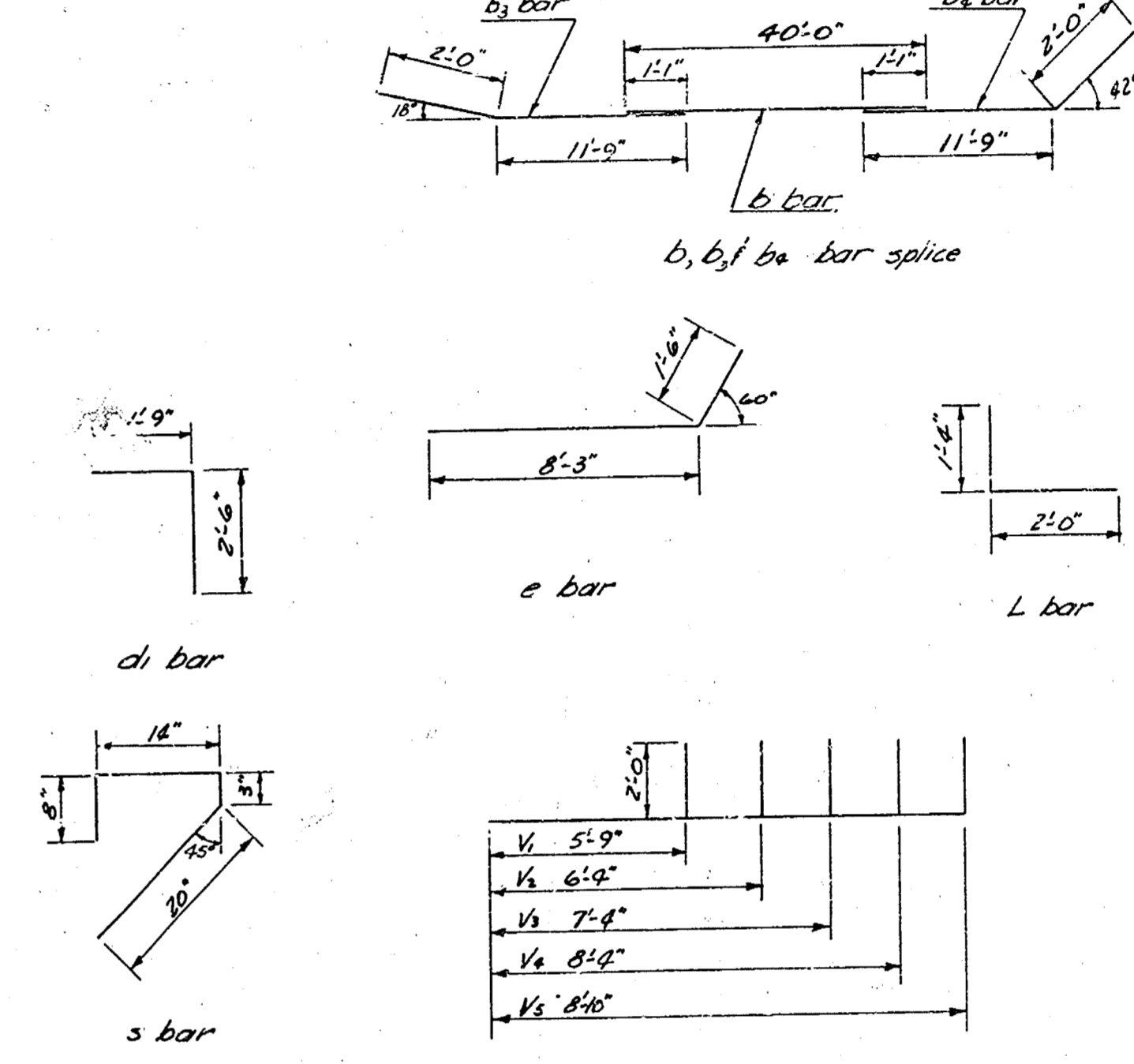
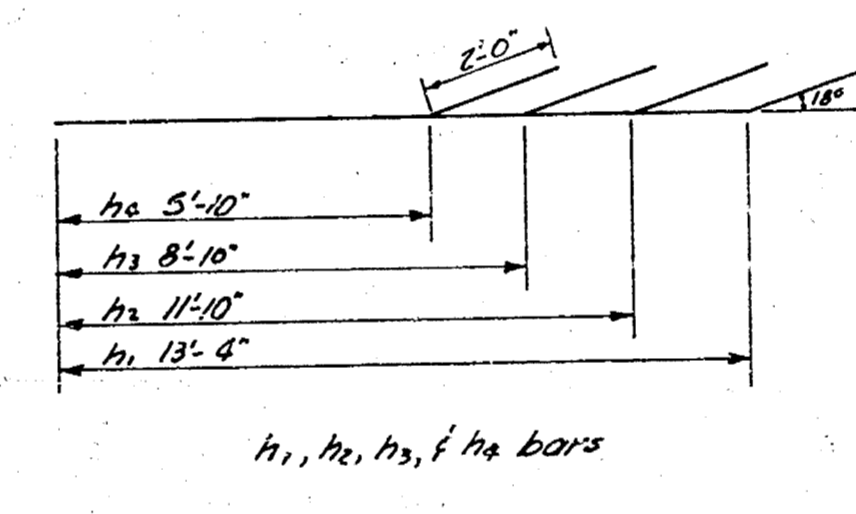
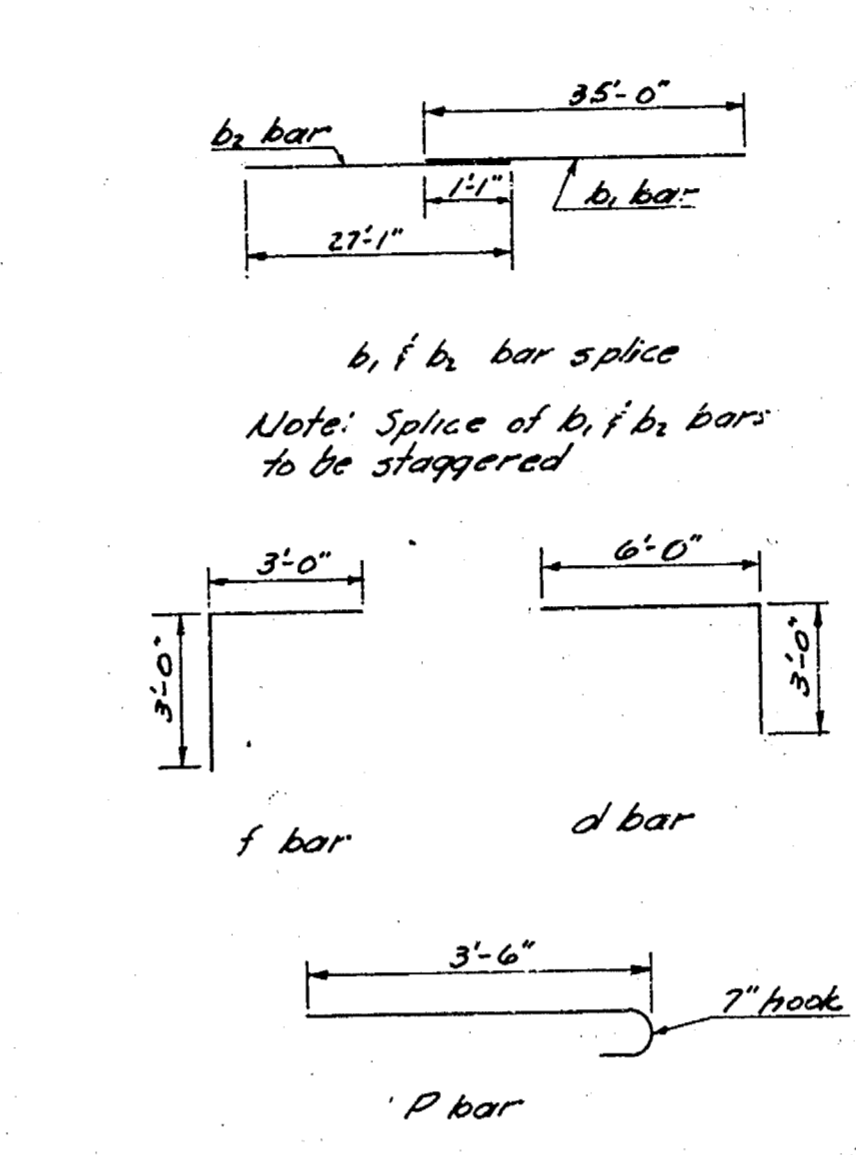
SECTION EAST WALL & S.W.S. OPENINGS



CULVERT CROWN



SECTION A-A WING WALLS



BAR BENDING DIAGRAMS

STEEL SCHEDULE									
BAR	SIZE	NO.	LENGTH	SHAPE	BAR	SIZE	NO.	LENGTH	SHAPE
C1	#4	876	2'-0"		h1	#4	2	10'-1"	
C1	#4	300	20'-6"		h2	#4	2	7'-1"	
C1	#4	300	30'-6"		h3	#4	4	11'-5"	
b	#4	14	40'-0"		h1	#4	90	3'-5"	
b1	#4	137	35'-1"		h2	#4	4	20'-0"	
b2	#4	14	13'-9"		h3	#4	4	30'-6"	
b3	#4	14	13'-9"		h4	#4	8	3'-8"	
b4	#4	3	19'-2"		h5	#4	8	3'-10"	
b5	#4	3	30'-11"		h6	#4	114	4'-1"	
b6	#4	3	20'-11"		h7	#4	12	8'-9"	
b7	#4	3	29'-2"		h8	#4	4	10'-0"	
b8	#4	88	9'-0"		h9	#4	4	9'-11"	
b9	#4	32	4'-3"		h10	#4	68	3'-9"	
b10	#4	12	9'-9"		h11	#4	2	33'-8"	
b11	#4	488	2'-0"		h12	#4	427	8'-3"	
b12	#4	42	1'-0"		h13	#4	8	7'-9"	
b13	#4	10	13'-4"		h14	#4	12	8'-4"	
b14	#4	2	13'-10"		h15	#4	12	9'-4"	
b15	#4	2	10'-10"		h16	#4	8	10'-4"	
b16	#4	2	7'-10"		h17	#4	12	10'-10"	
b17	#4	10	14'-1"						
b18	#4	2	13'-1"						

BILL OF MATERIALS		
ITEM	QUANTITY	UNITS
Class A Concrete	327	Cu. Yd.
Reinforcing Steel	41,155	Lbs.
Handrail	101.8'	Lin. Ft.
Gen. Excavation	366.6	Cu. Yd.
Hand Excavation	9.3	Cu. Yd.
Cast Iron Drains	10	each
Sand For Compacted Backfill	20	Ton
Tot. CB	10,333	Lin. Ft.