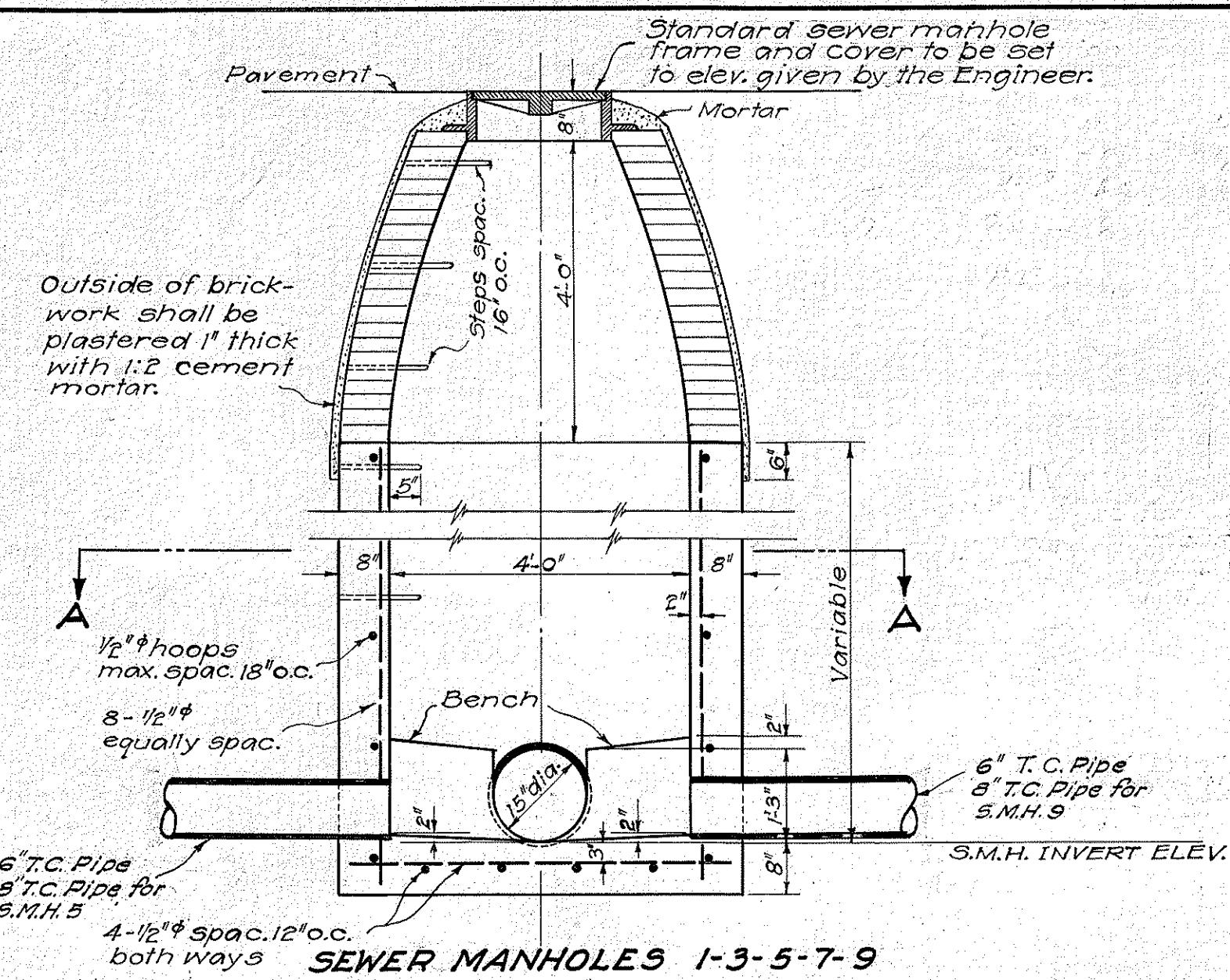
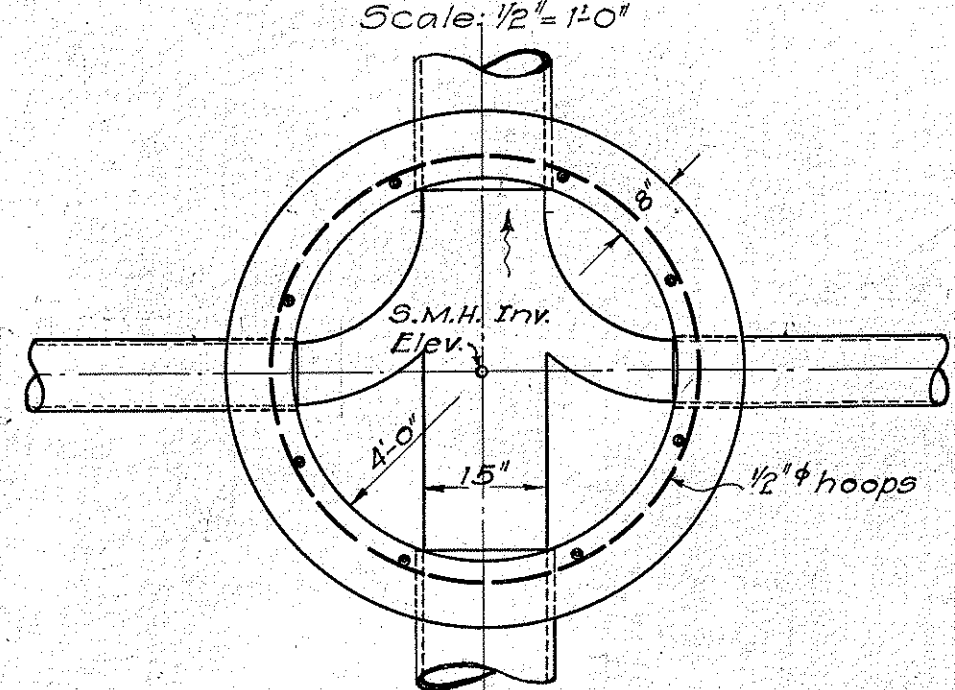
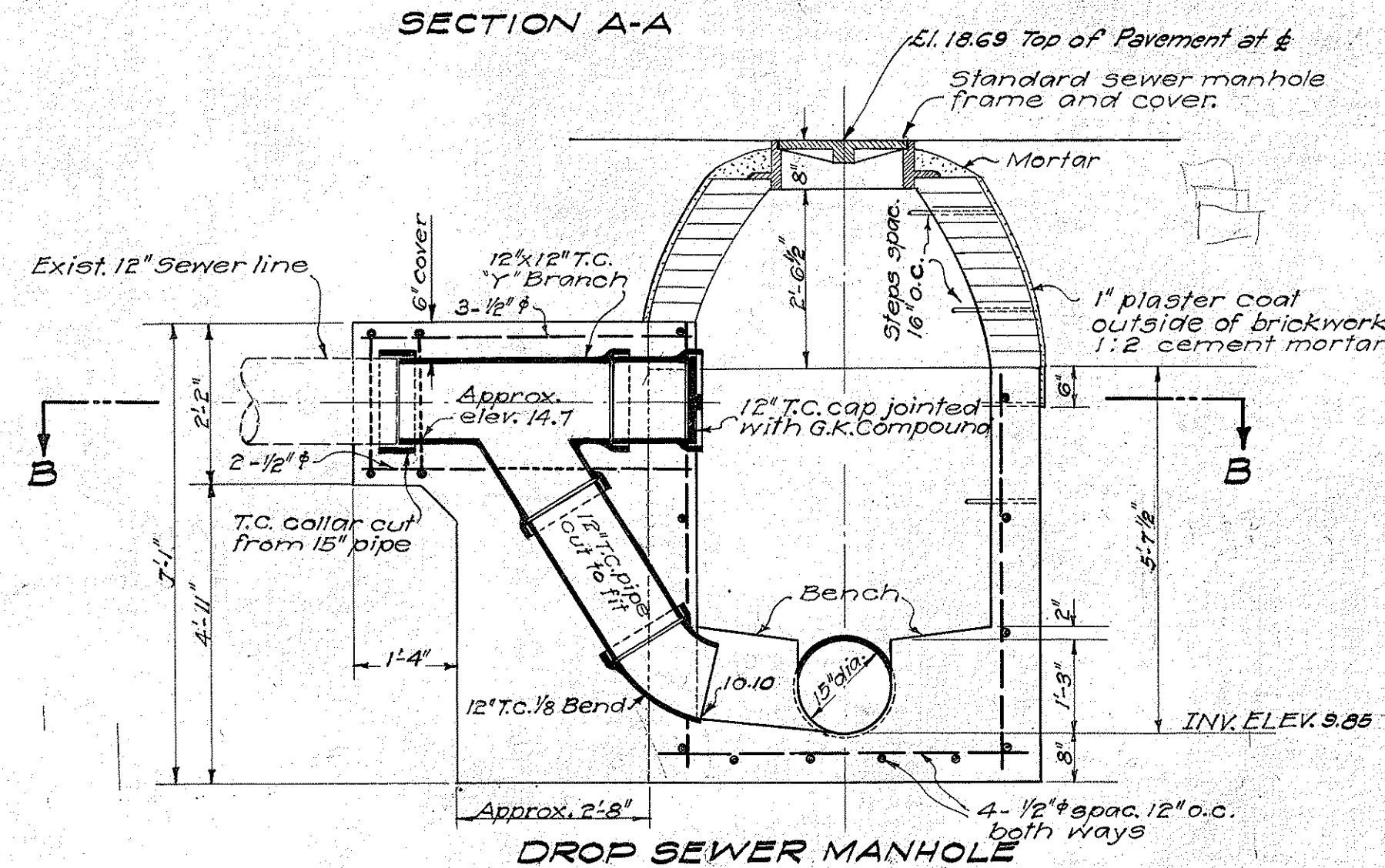




SEWER MANHOLES 1-3-5-7-9

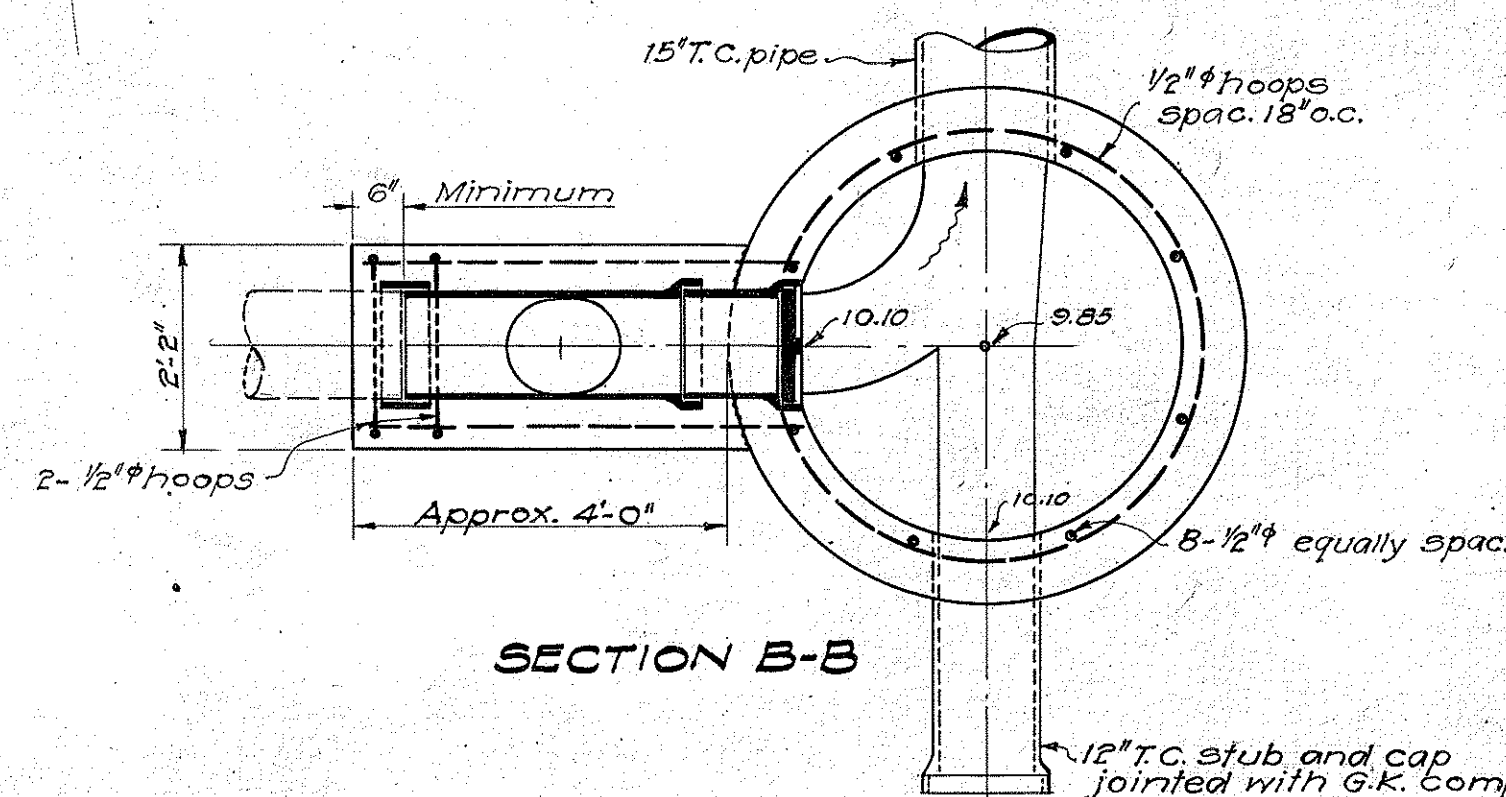


SECTION A-A

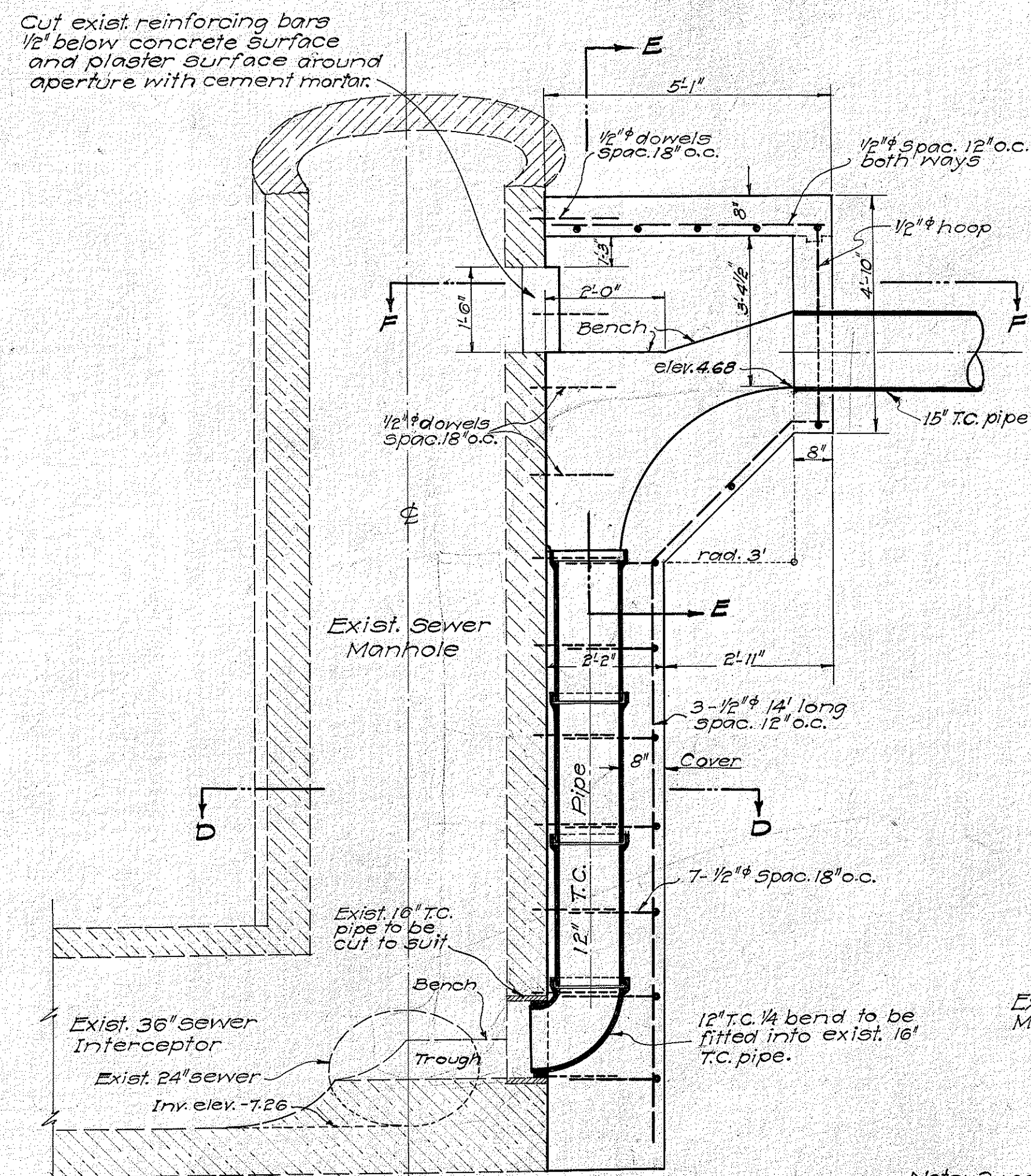


DROP SEWER MANHOLE

S.M.H. #10
Scale: 1/2" = 1'-0"

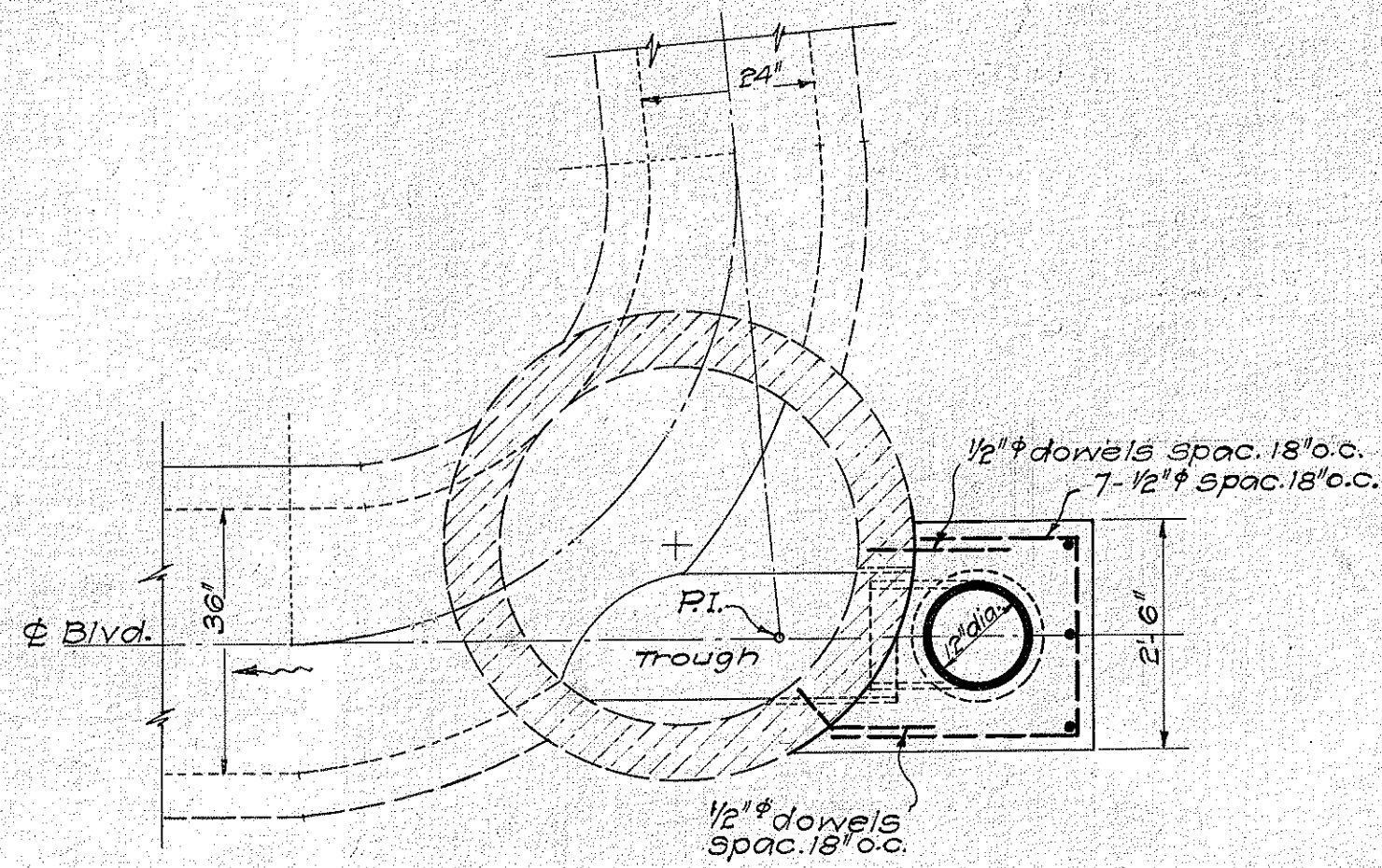


SECTION B-B



DROP CONNECTION
TO EXIST. S.M.H. AT WAIKAMILLO ROAD

Scale: $\frac{1}{2}'' = 1'-0''$

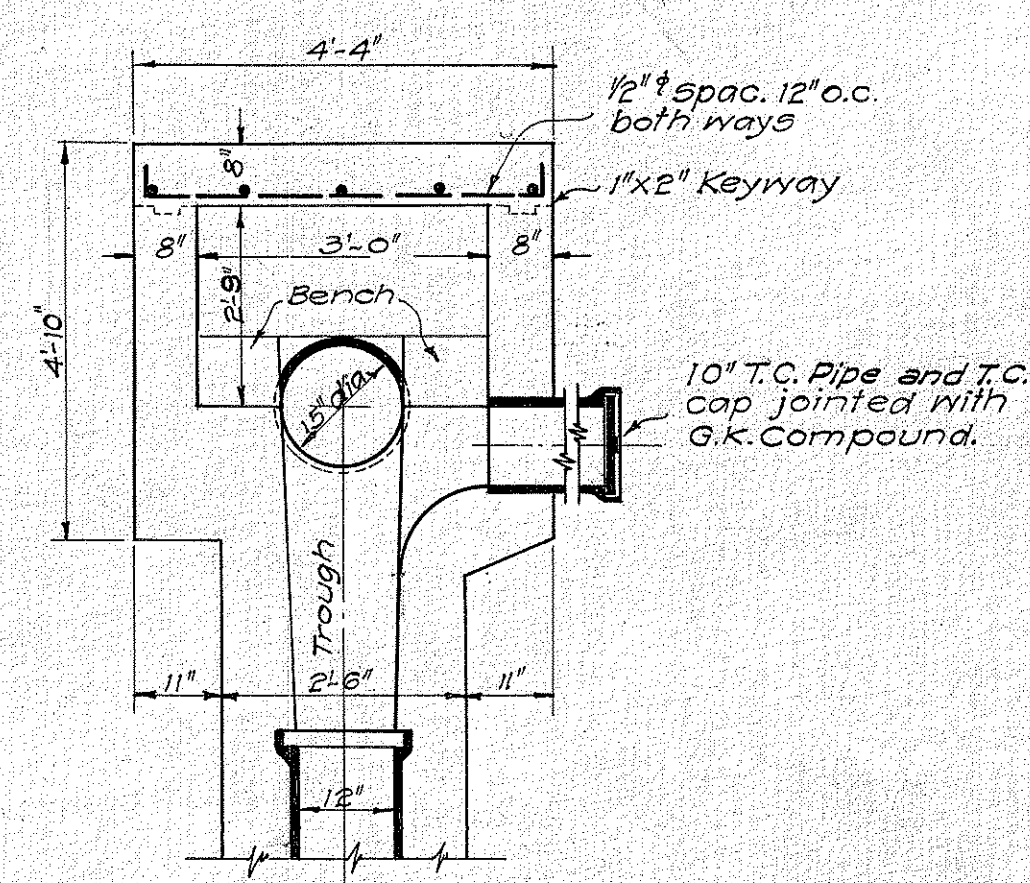


SECTION D-D

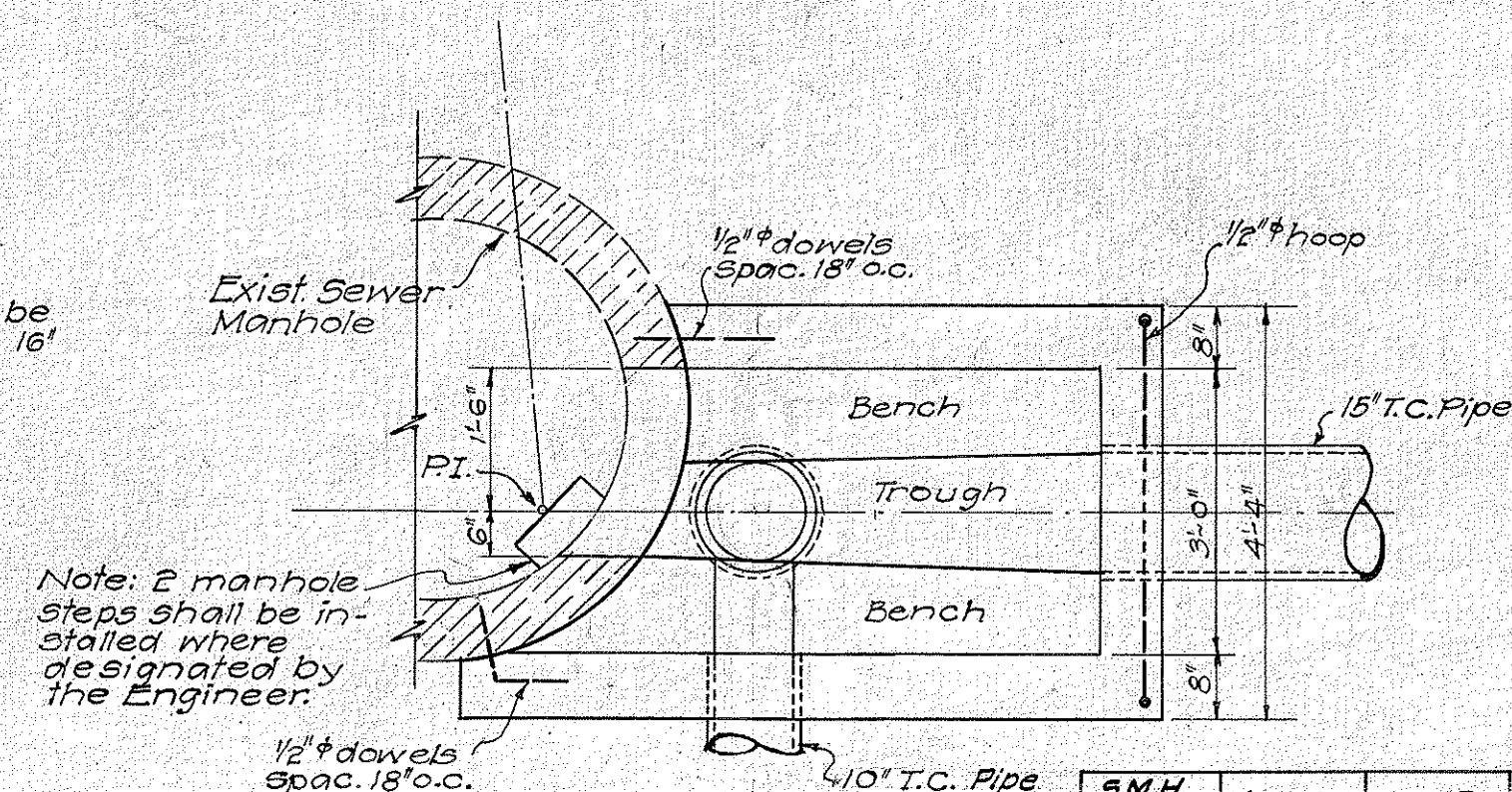
GENERAL NOTES

All concrete shall be Class 'A' and reinforced as shown on details.

All pipe joints shall be properly made even when they are to be encased in concrete.

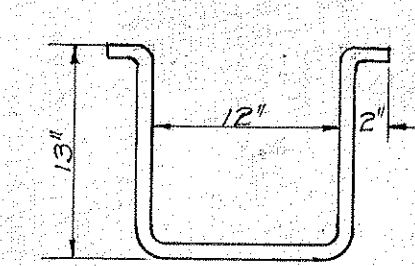


SECTION E-E



SECTION F-F

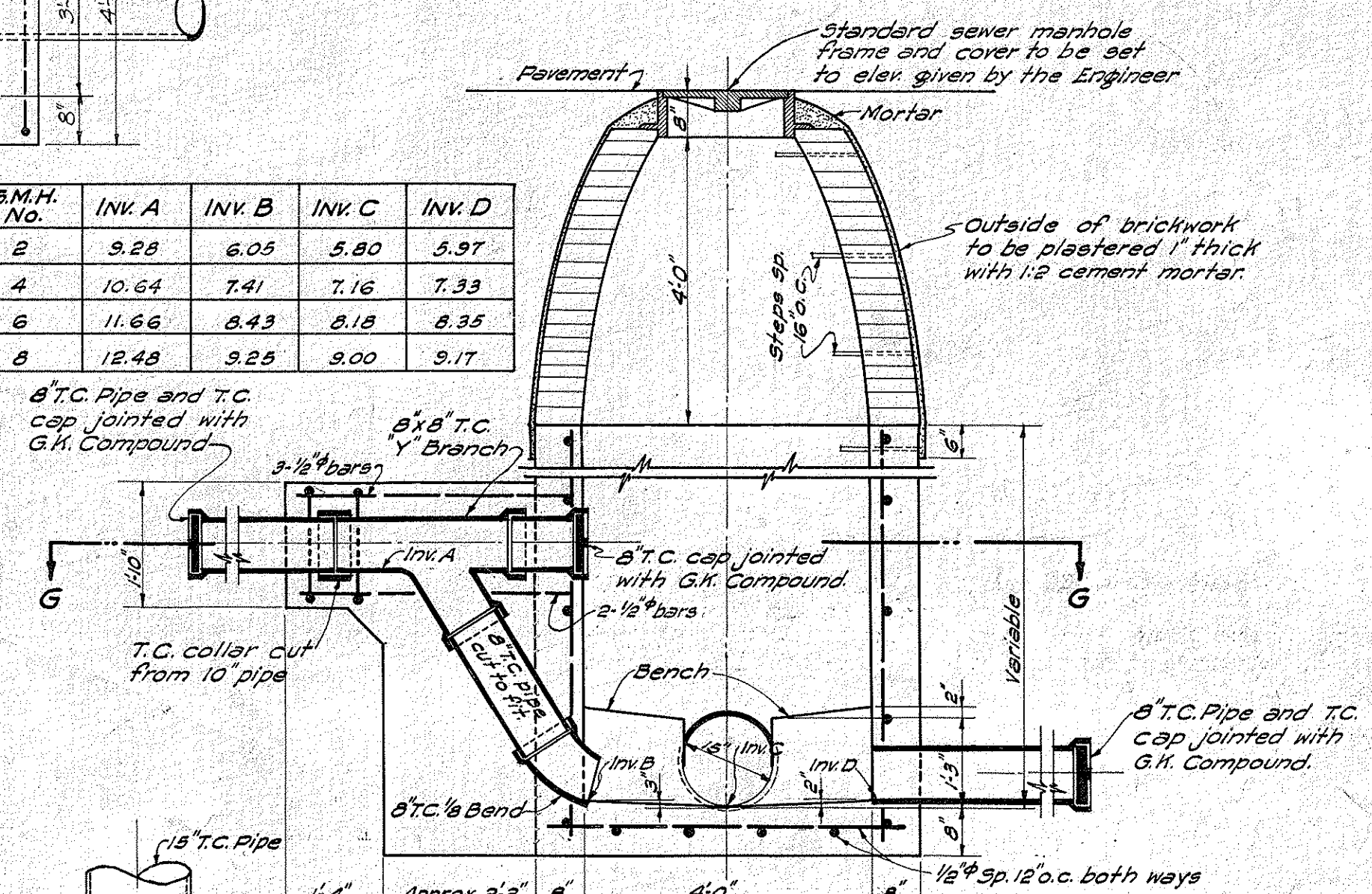
S.M.H. No.	Inv. A	Inv. B	Inv. C	Inv. D
2	9.28	6.05	5.80	5.97
4	10.64	7.41	7.16	7.33
6	11.66	8.43	8.18	8.35
8	12.48	9.25	9.00	9.17



MANHOLE STEP

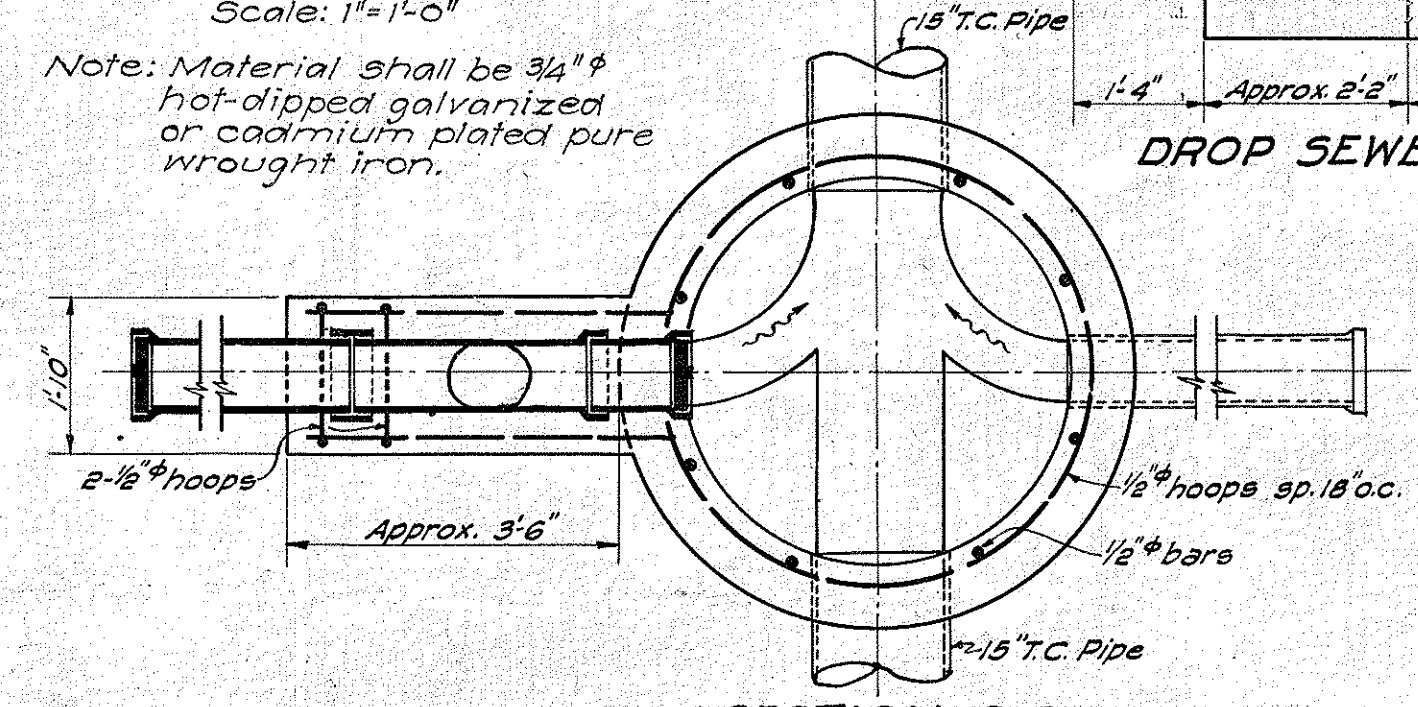
Scale: 1" = 1'-0"

Note: Material shall be $\frac{3}{4}$ " ϕ hot-dipped galvanized or cadmium plated pure wrought iron.



DROP SEWER MANHOLES 2-4-6-8

Scale: $\frac{1}{2}'' = 1'-0''$



SECTION G-G

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

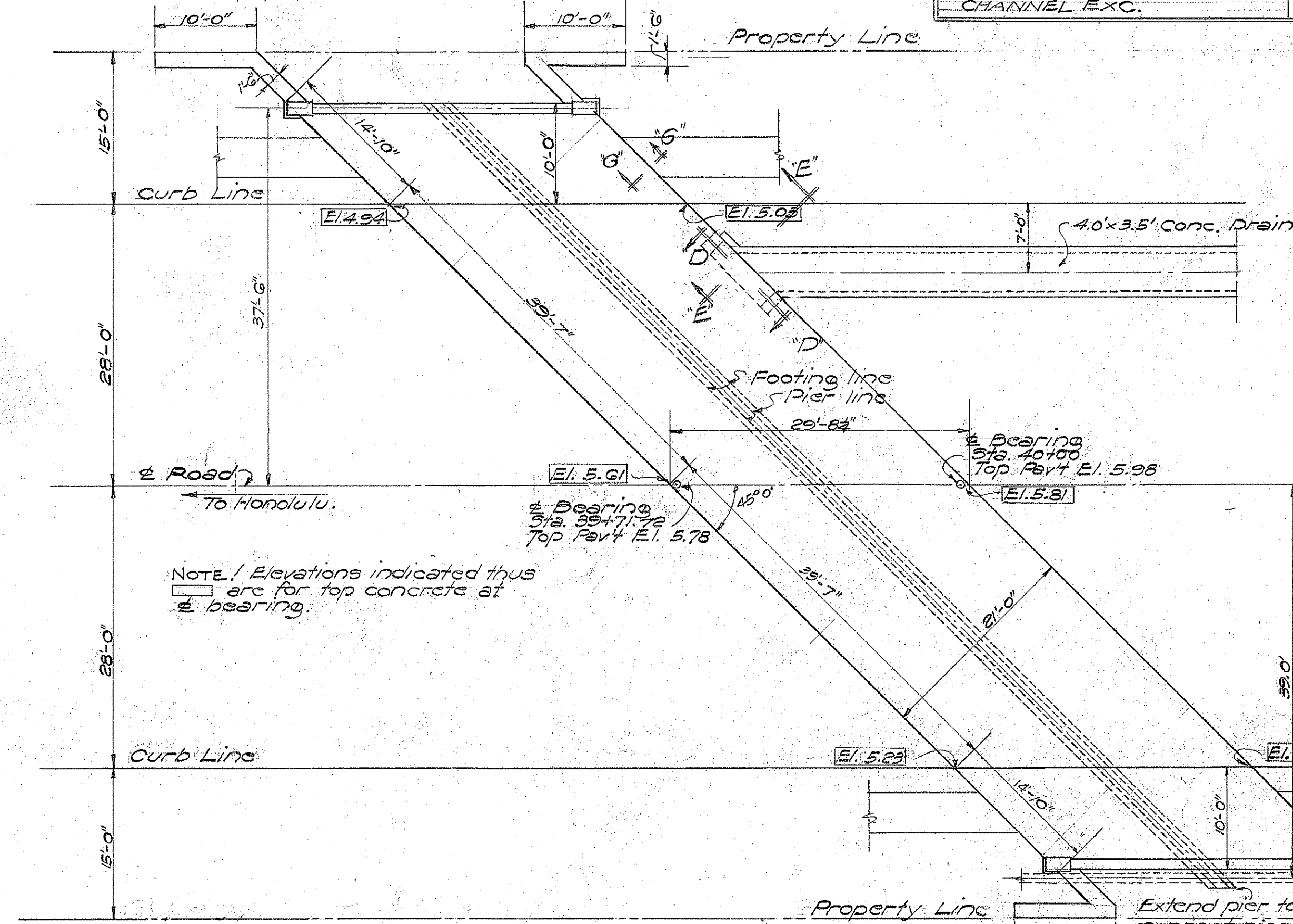
DETAILS OF SEWER MANHOLES AND DROP CONNECTIONS

DILLINGHAM BLVD

F.A.P. 9-H(1)

ESTIMATED QUANTITIES	
CONCRETE - Class "A" High Early Strength	124.3 C.Y.
CONCRETE - Railing - Class "A"	4.7 C.Y.
REINF. STEEL	15,580 LBS.
C.R. MASONRY	90 C.Y.
STR. EXCAVATION	44 C.Y.
CHANNEL EXC.	100 C.Y.

NOTE: Use existing C.R.M. wall wherever possible.

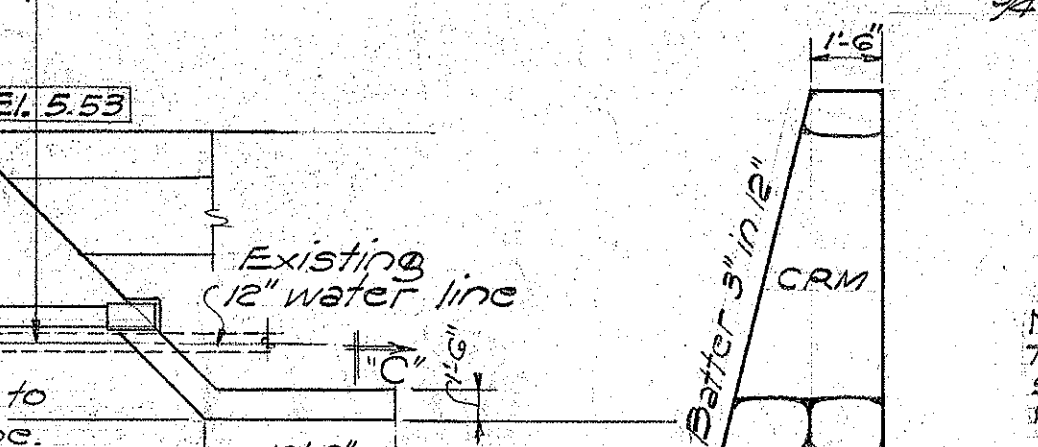


PLAN
Scale 1"=10'

SECT. G-G
Scale 3/8"=1'-0"

5/8" sp. as shown MK500
5/8" sp. as shown MK500

SLAB REINF.
Scale 1/4"=1'-0"

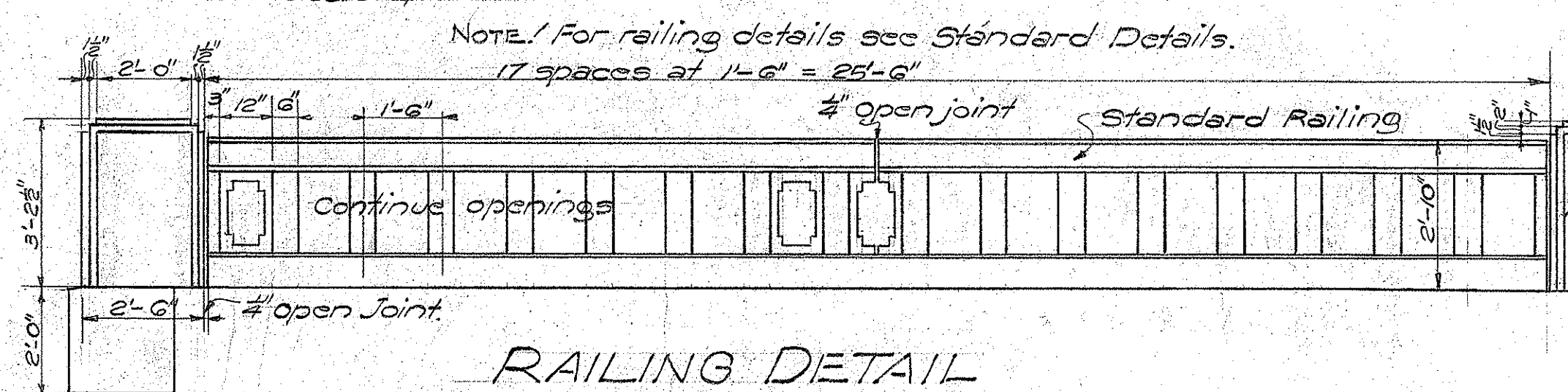


SECT. C-C
Scale 1/4"=1'-0"

NOTE: End post to be reinforced with 2" vertical bars sp. 12" o.c. 2" from surface with 3/8" cl. stirrup sp. 12" o.c.

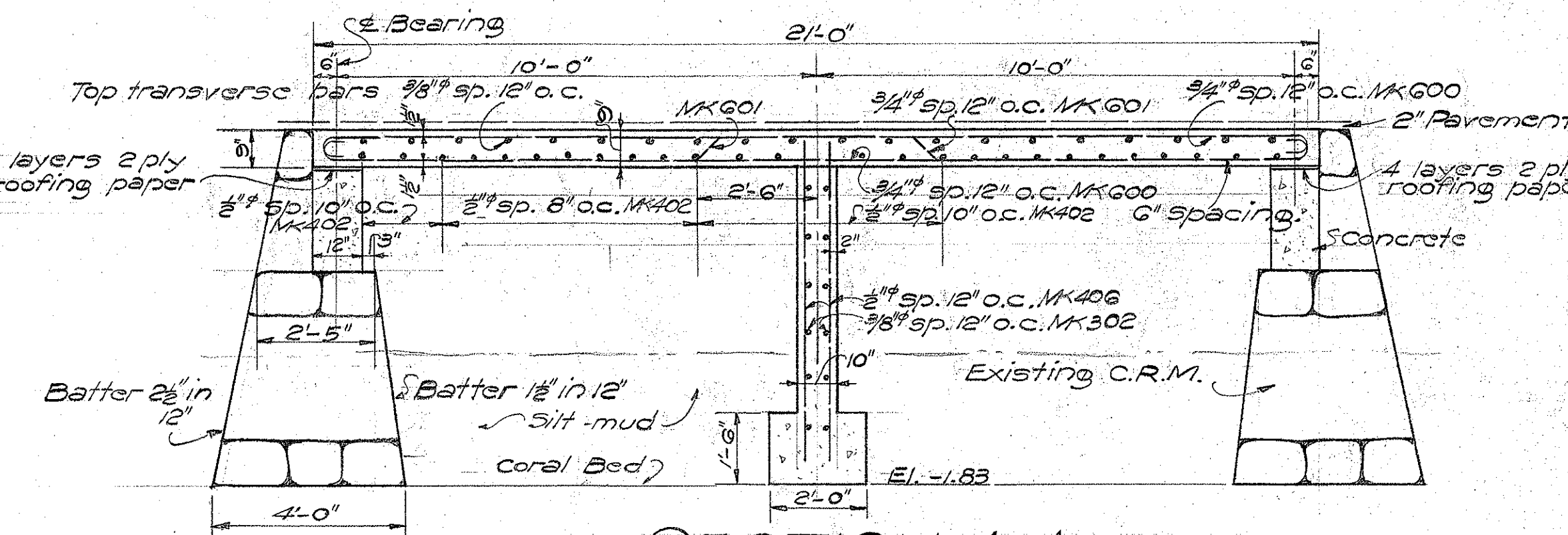
PLAN-END POST
Scale 1/2"=1'-0"

SECT. B-B
Scale 1/2"=1'-0"

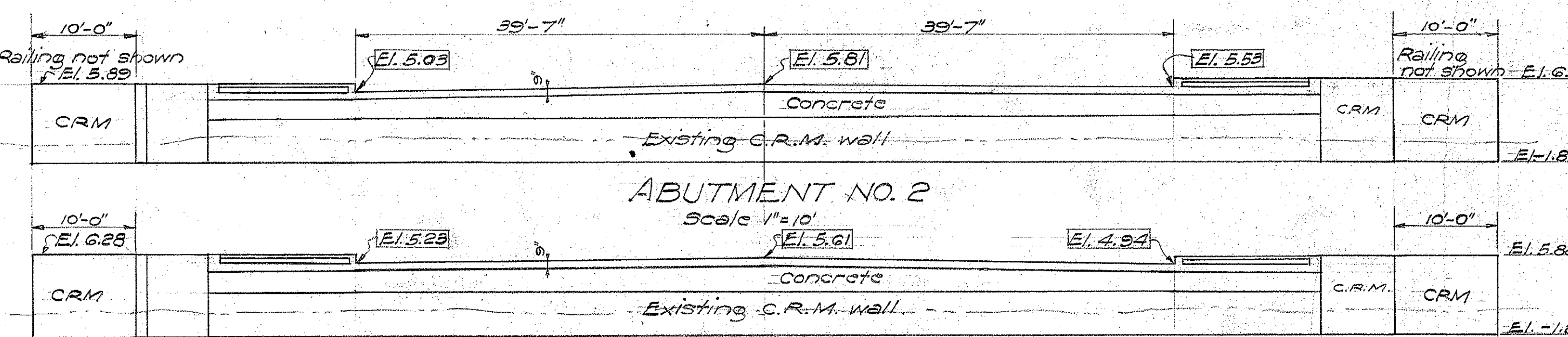


RAILING DETAIL
Scale 3/8"=1'-0"

SECTION A-A
Scale 3/8"=1'-0"

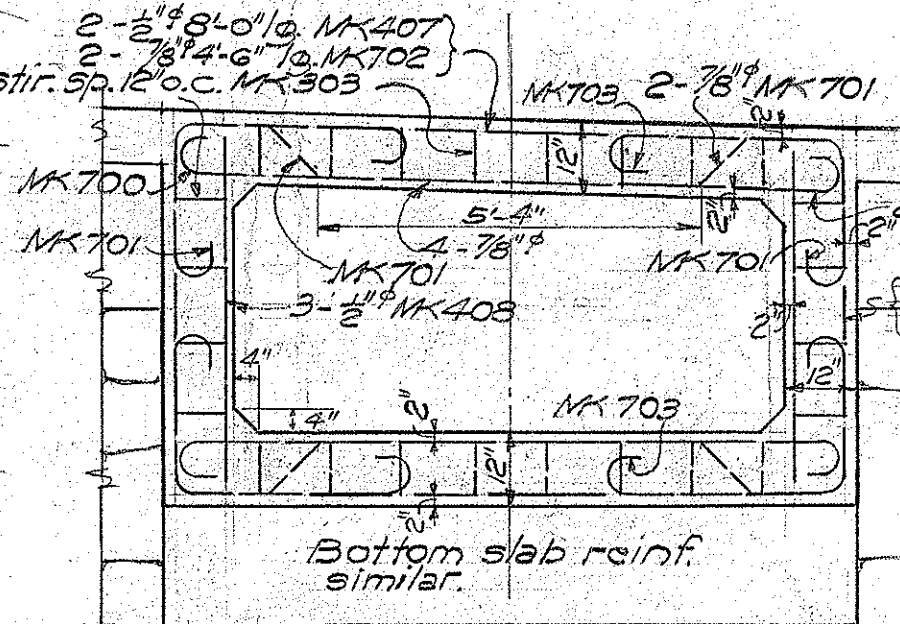


ABUTMENT NO. 2
Scale 1"=10'

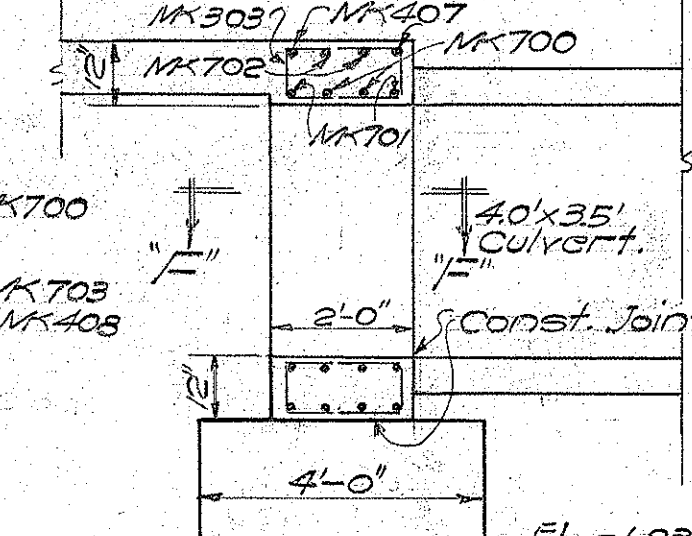


ABUTMENT NO. 1
Scale 1"=10'

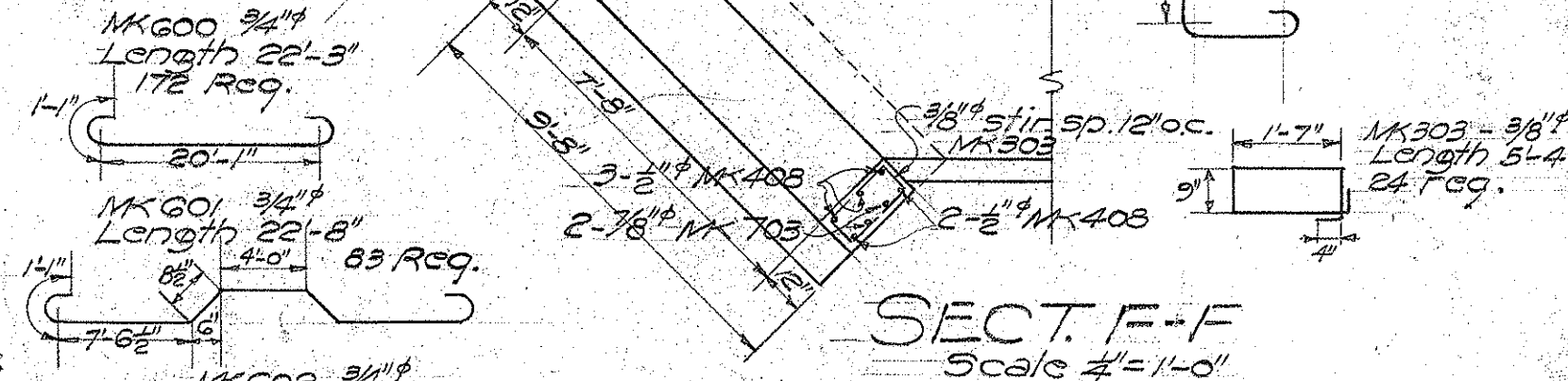
SECT. D-D
Scale 3/8"=1'-0"



SECT. E-E
Scale 3/8"=1'-0"



SECT. F-F
Scale 1/4"=1'-0"



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
CONCRETE BRIDGE
37A. 39+85.86
DILLINGHAM BLVD. F.A.P. 9M(1)
JUNE - 1939.
SHEET No. 12A / OF 19 SHEETS

SURVEY PLOTTED BY: J. J. J. DATE: 11-23-38
DRAWN BY: J. J. J.
CHECKED BY: J. J. J.
NOTE BOOK
No.