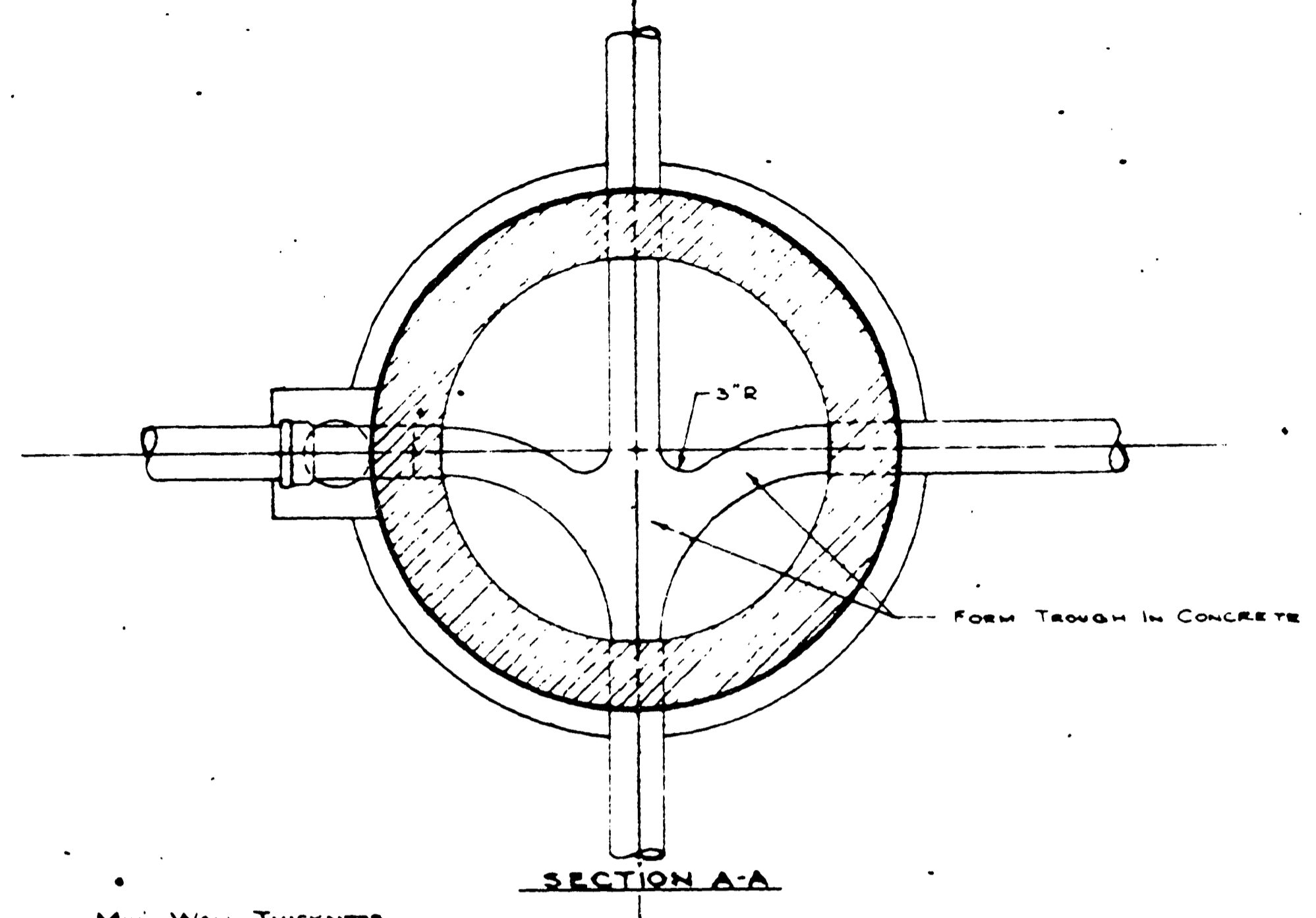


NOTES:
 1) TOP STEP TO BE 1'-6" BELOW TOP OF CASTING.
 2) CLEAR LENGTH OF STEPS SHALL BE 16" MIN.
 3) STEPS SHALL BE OF AN APPROVED DESIGN AND MAY BE MADE OF CAST IRON OR PLASTIC COATED STEEL.



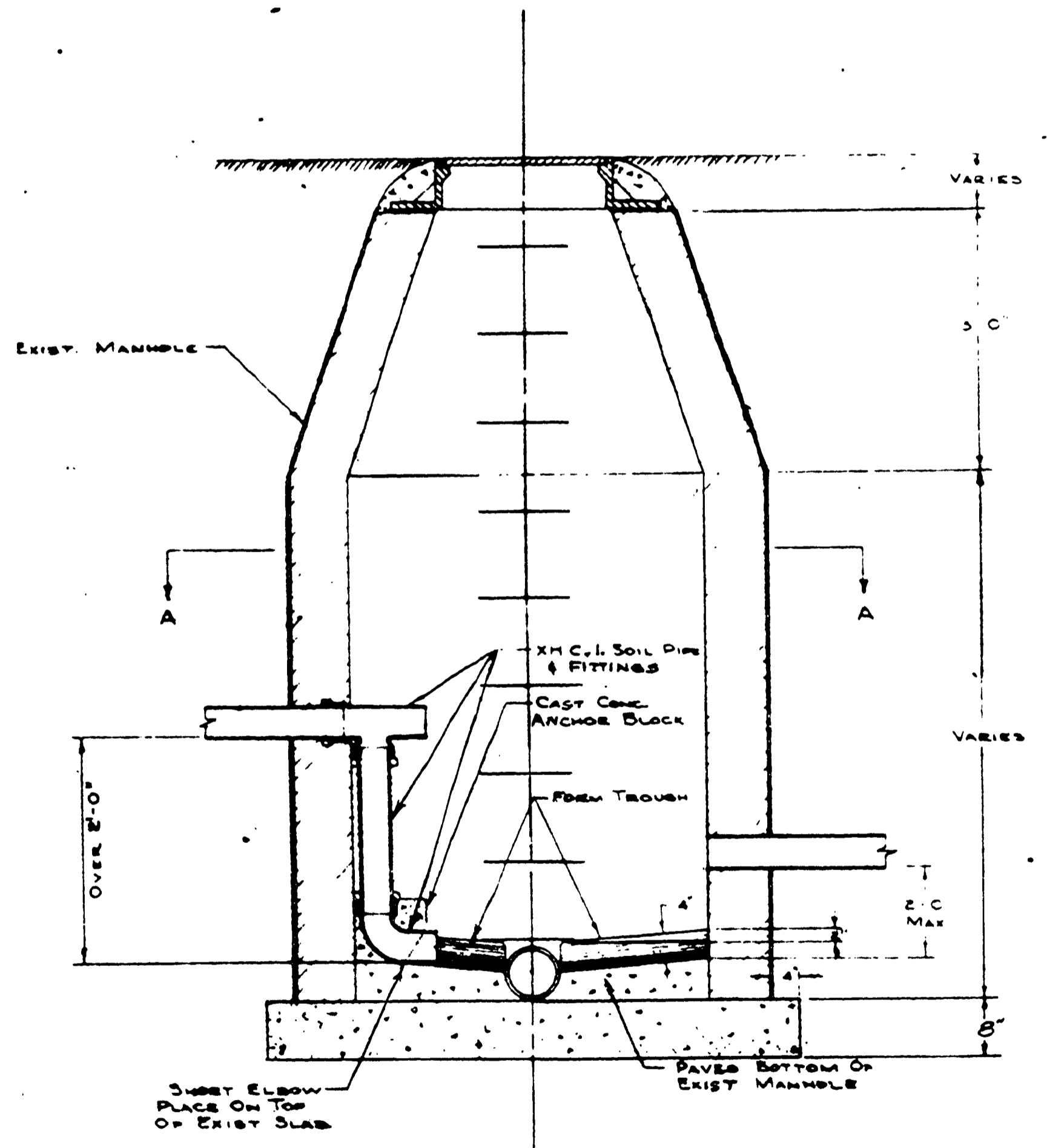
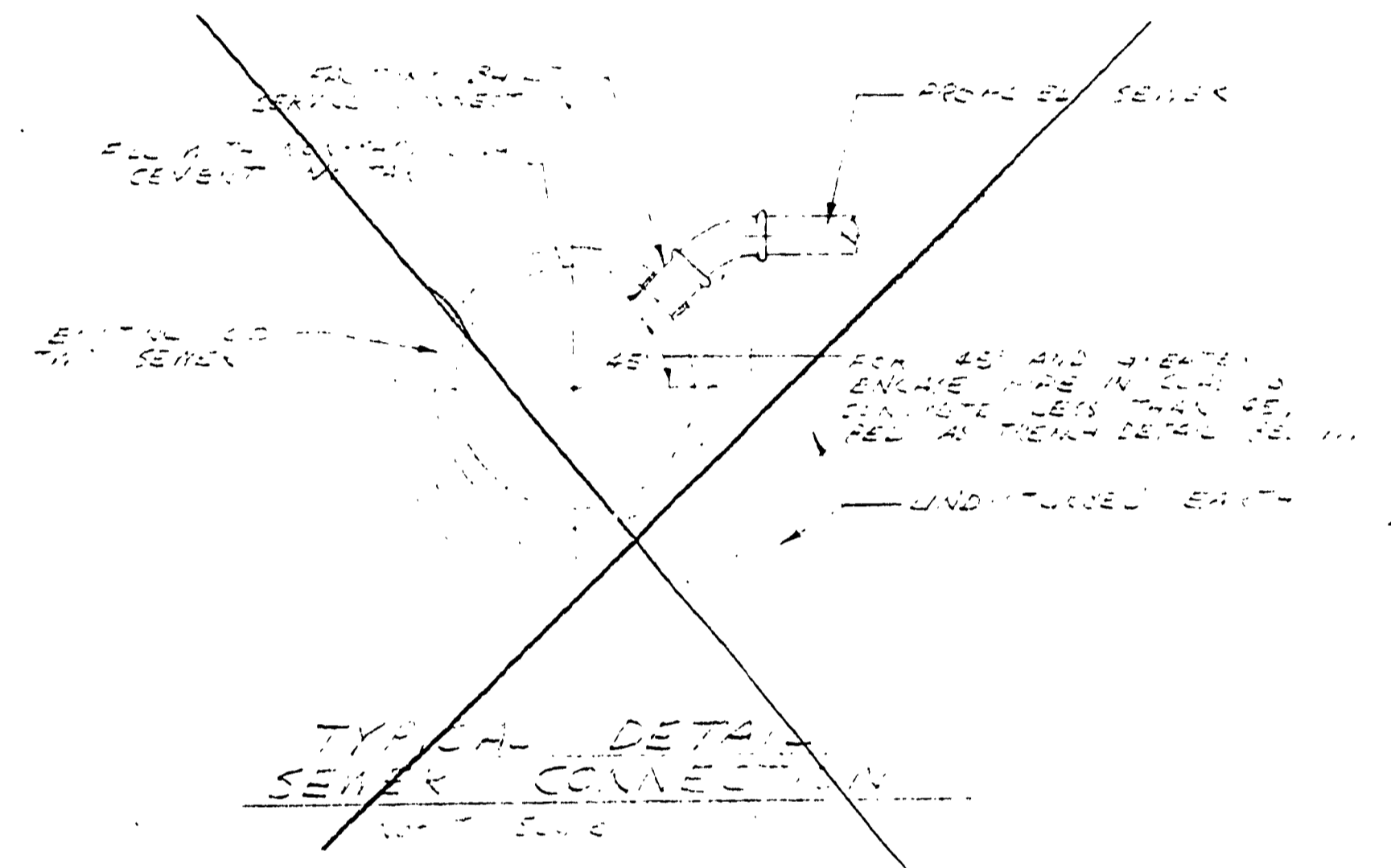
MIN. WALL THICKNESS

M.H. DEPTH	BRICK	CONG. BLOCK	PRECAST CONG.
0'-10"	8"	6"	6"
10'-15"	12"	8"	8"
15'-25"	16"	12"	12"

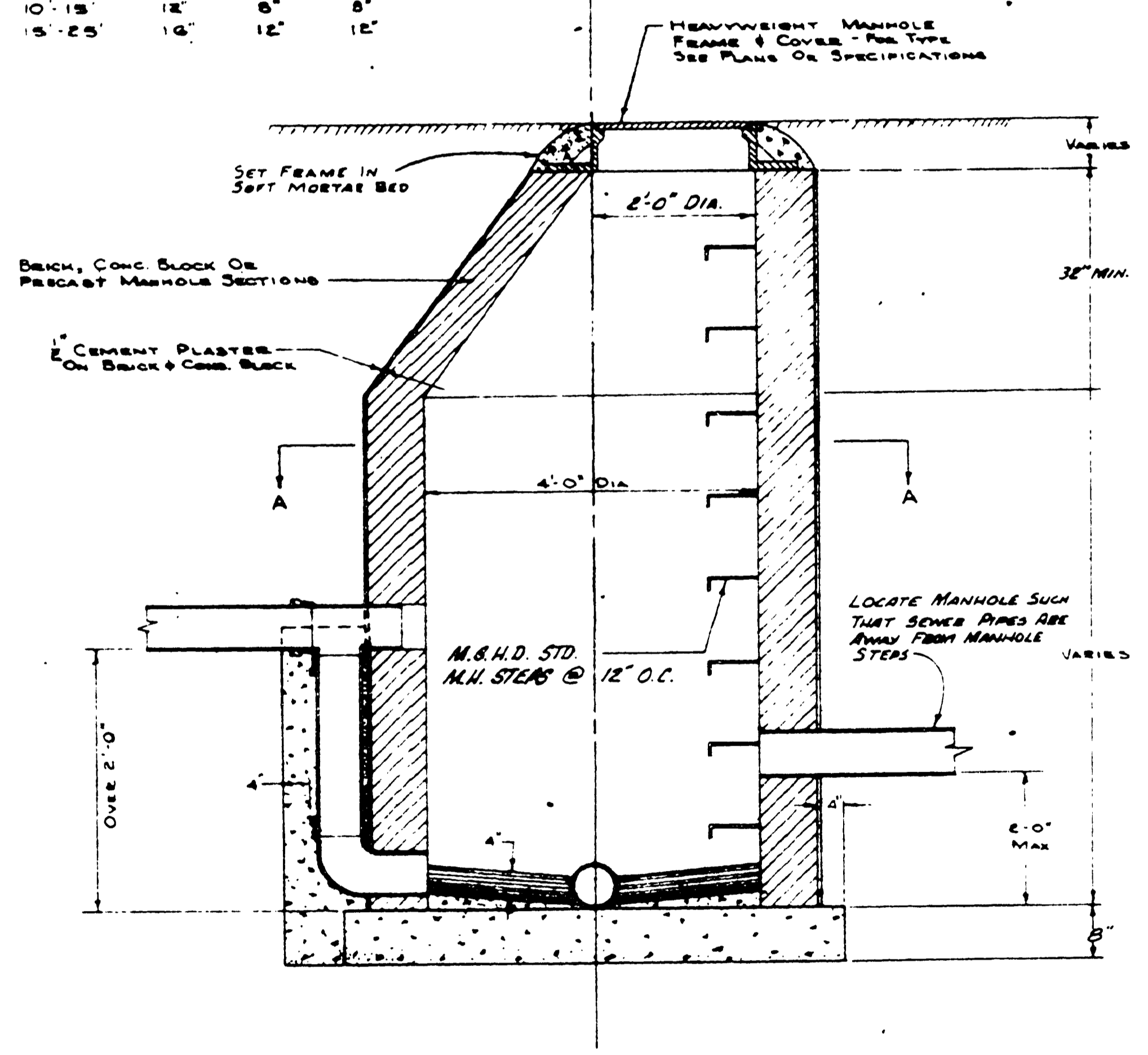
CONSTRUCTION NOTES

1. PRIOR TO EXCAVATION CONTRACTOR SHALL LOCATE AND MARK WHERE PROPOSED CONSTRUCTION WILL ADJOIN OR CROSS UNDERGROUND UTILITIES.

2. WHILE WORKING AROUND TREES, SPECIALTY SHALL BE MADE TO PROTECT AND MAINTAIN AS MUCH OF THE ROOT SYSTEM AS POSSIBLE.

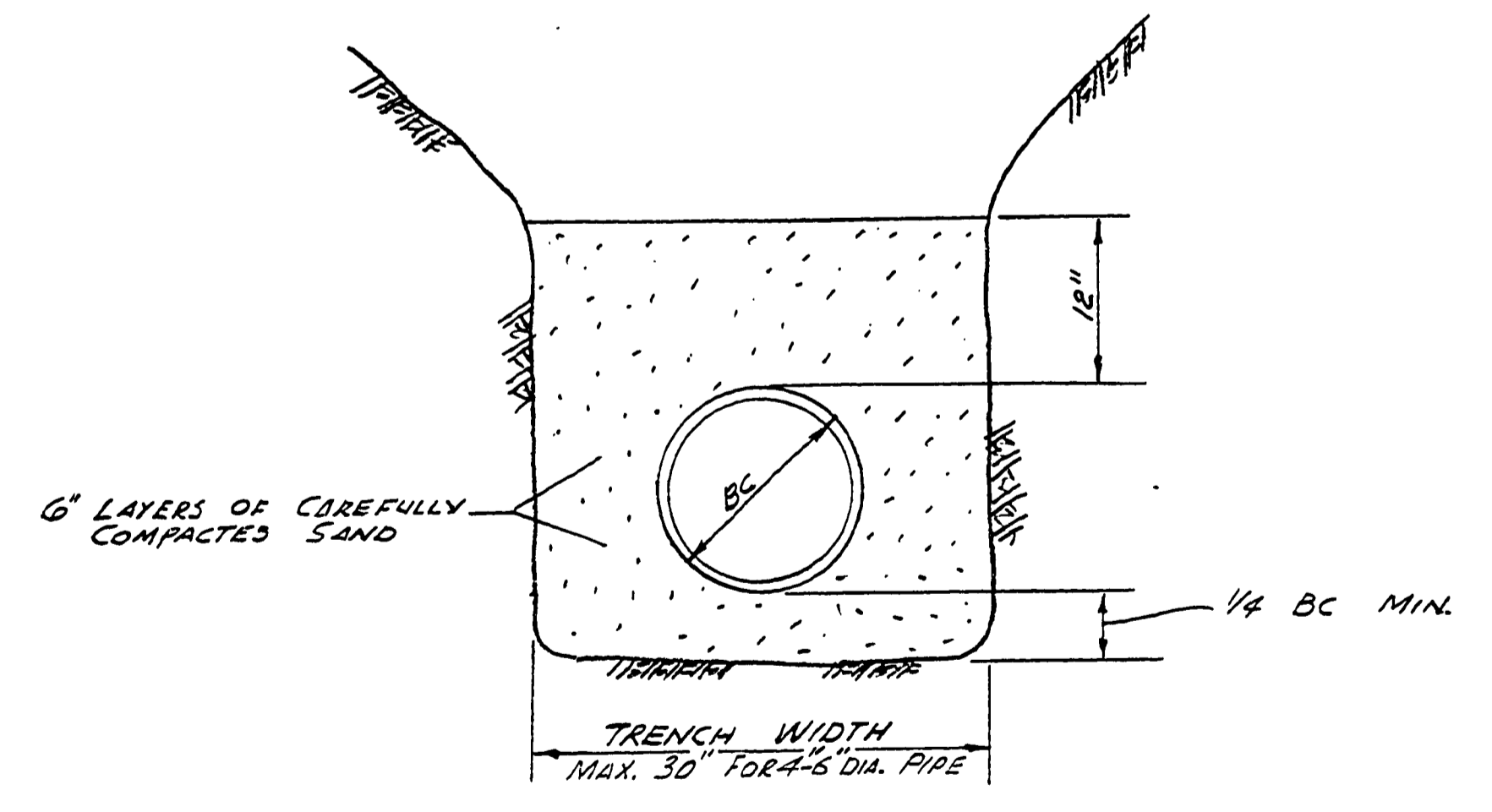


STANDARD CONNECTION AT EXISTING MANHOLE
 SCALE 3/4" = 1'-0"



STANDARD MANHOLE (NEW CONSTRUCTION)
 SCALE 3/4" = 1'-0"

NOTE:
 If Necessary Use Manhole Rings or Manhole Concrete Blocks to Bring Top of Manhole to Required Grade



DETAIL - CLASS B BEDDING
 NOT TO SCALE

SURVEYED BY		DRAWN BY		NO. DATE BY REVISIONS		NO. DATE BY REVISIONS		MICHIGAN DEPARTMENT OF NATURAL RESOURCES		STANDARD MANHOLE		ALGONAC STATE PARK		PROJECT NO. 24-1965	
CHECKED BY		CHECKED BY		1. 4-78 A.G. ADDED DETAILS & NOTES		2. DATE BY		DEPARTMENT OF NATURAL RESOURCES		SHEET TITLE		MUNICIPAL SEWER CONNECTION		SHEET 4 OF 4	
DATE		DATE		2. 7-78 A.G. MANHOLE STEPS		4. DATE BY		STANDARD MANHOLE		SHEET TITLE		MUNICIPAL SEWER CONNECTION		PLAN NO. E-116	