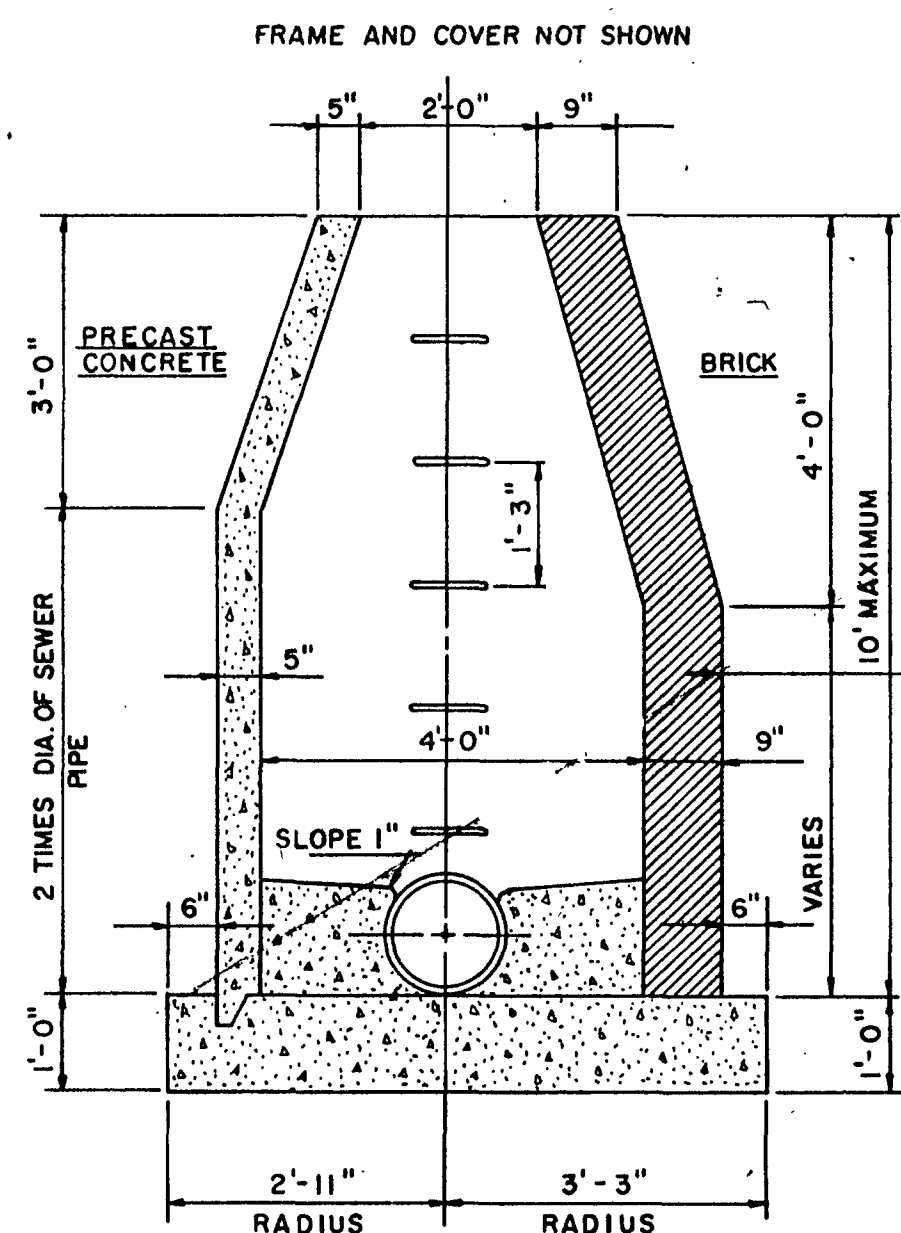
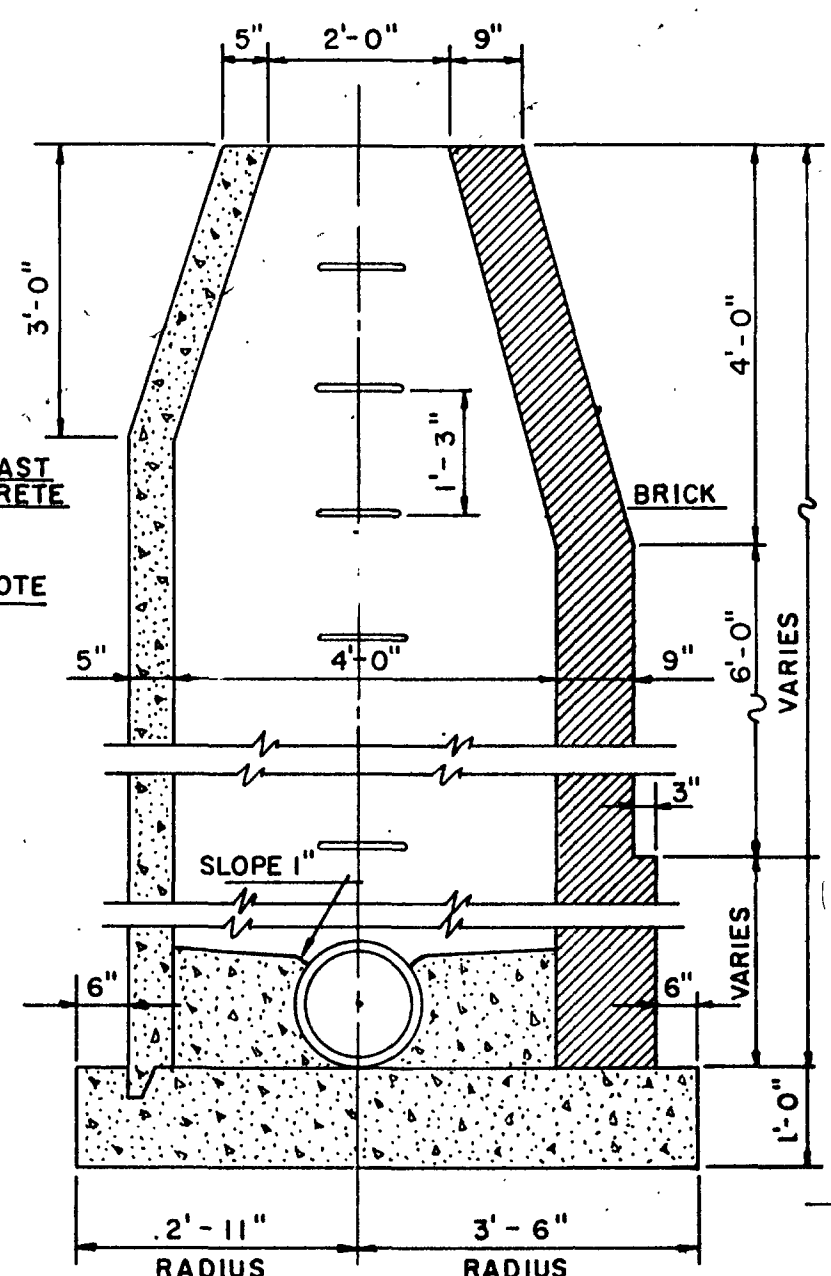




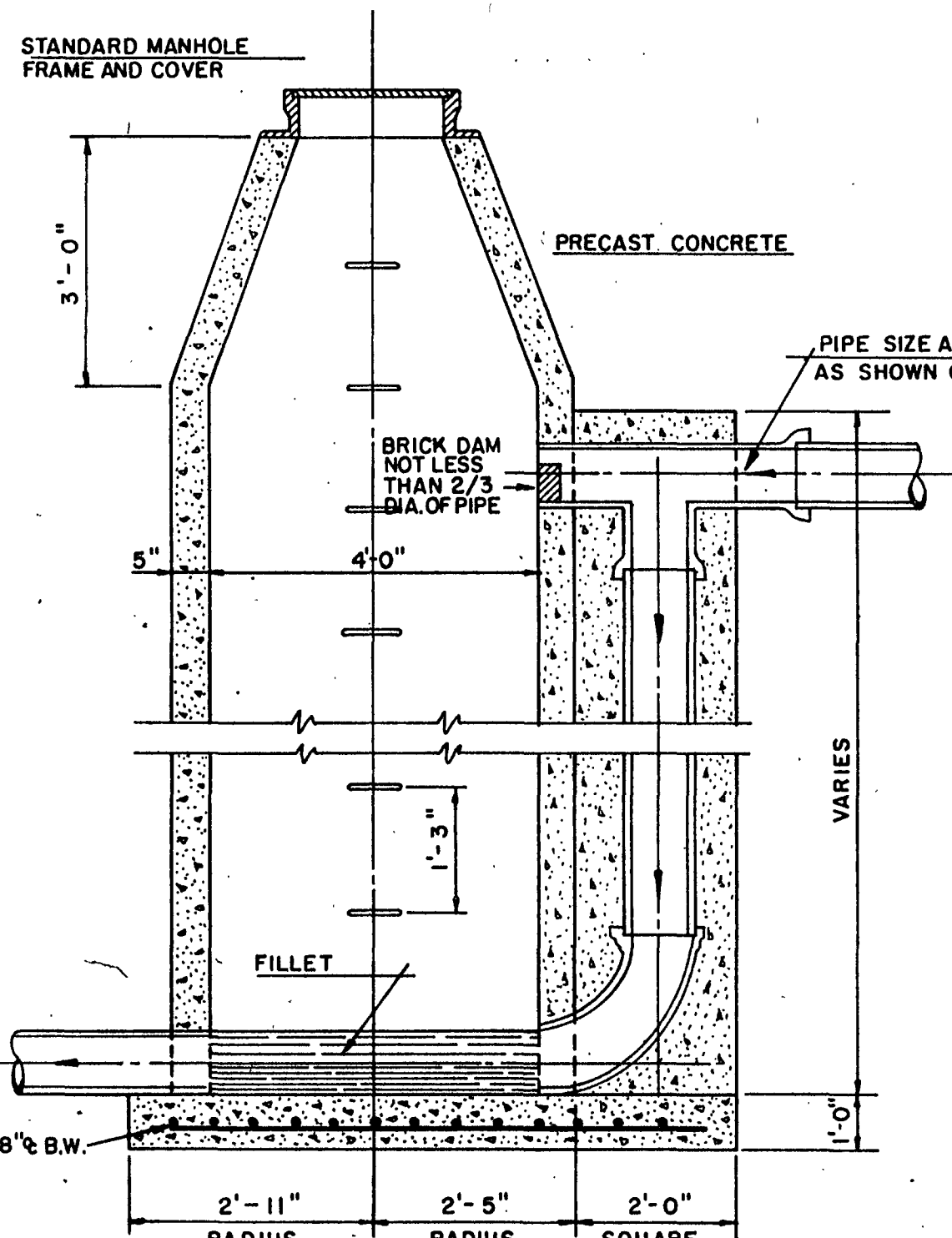
LONGITUDINAL SECTION

NOTE: REFER TO SPECIFICATIONS FOR MANHOLES CONSTRUCTED OF CONCRETE MANHOLE BLOCK.

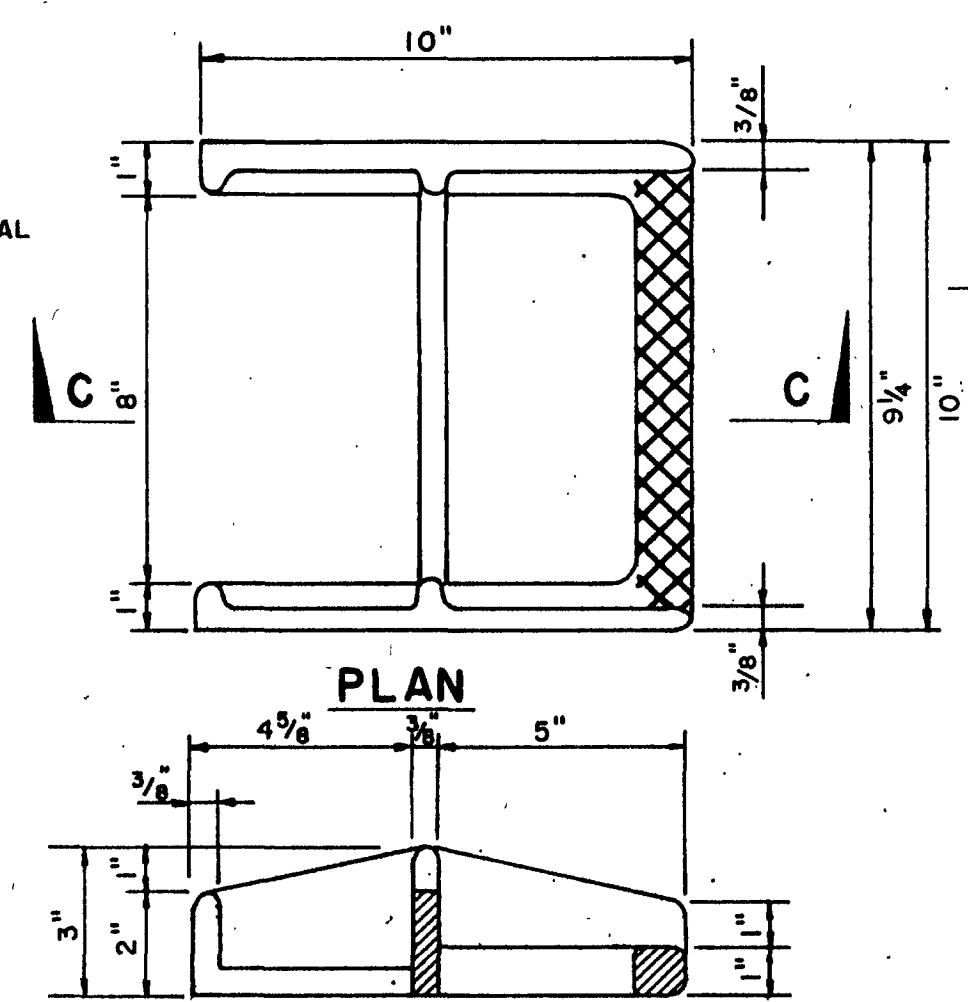


LONGITUDINAL SECTION

NOTE: DISTANCE FROM MANHOLE TO FIRST PIPE JOINT SHALL BE 2'-0" IN ALL MANHOLES.

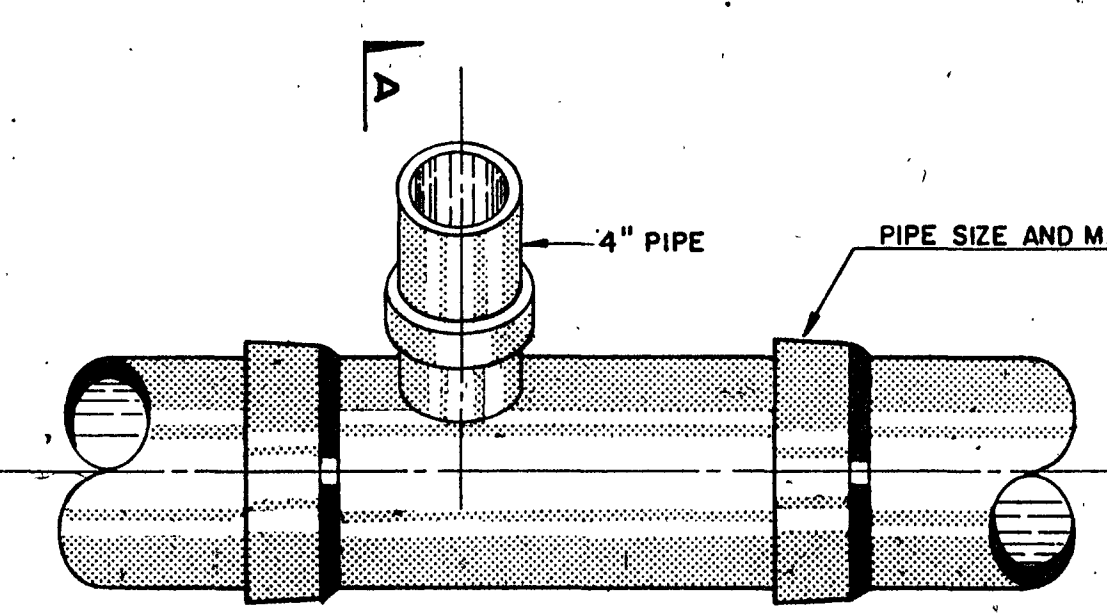


LONGITUDINAL SECTION

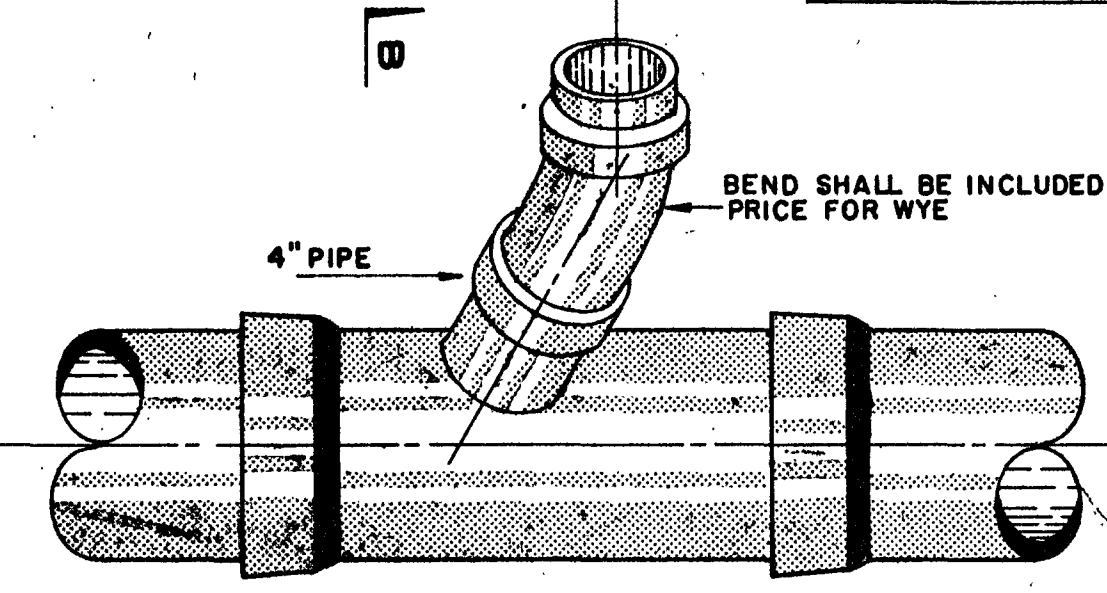


**SECTION C-C
CAST IRON MANHOLE STEPS**

MANHOLES
SCALE: 3" = 1'-0"



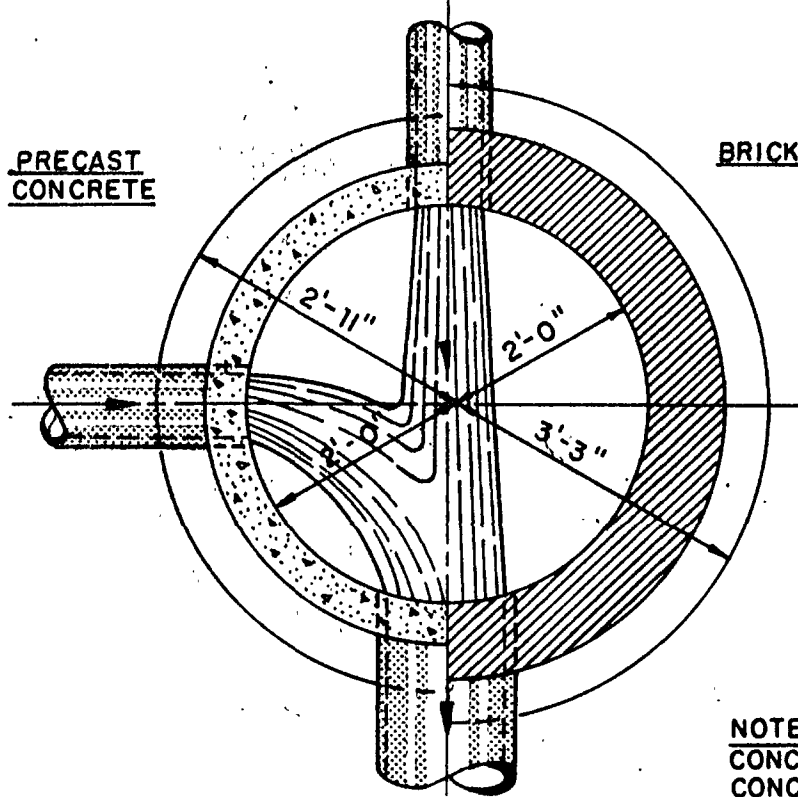
SECTION A-A



SECTION B-B

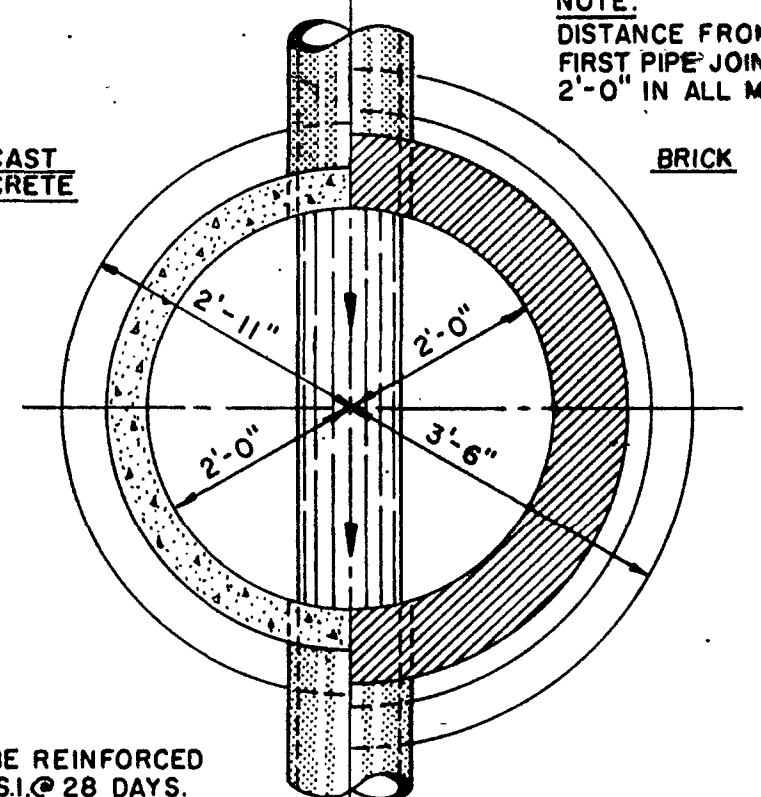
NOTE: SEE PLAN FOR SEWER PIPE SIZE, HOUSE CONNECTIONS SHALL BE 4" PIPE.

**SERVICE CONNECTION DETAIL
NOT TO SCALE**

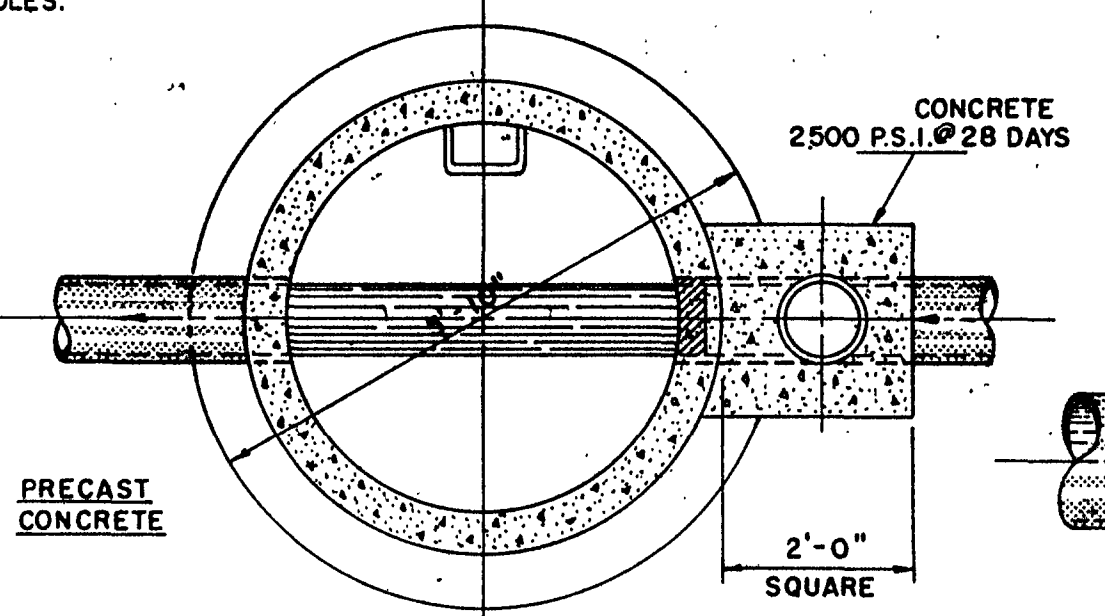


**MANHOLE 0' TO 10'
TYPE "A"**

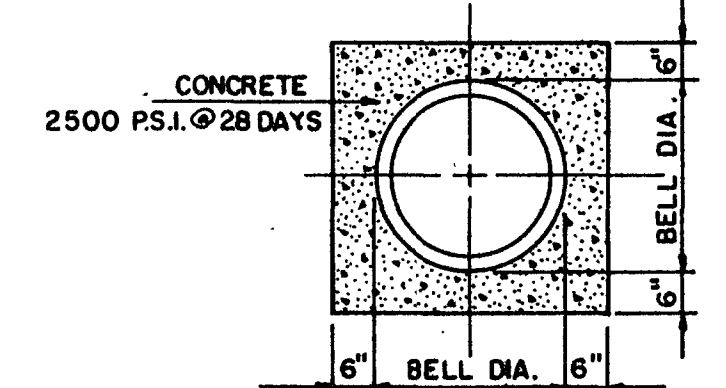
NOTE: CONCRETE SHALL BE REINFORCED CONCRETE 3000 P.S.I. @ 28 DAYS.



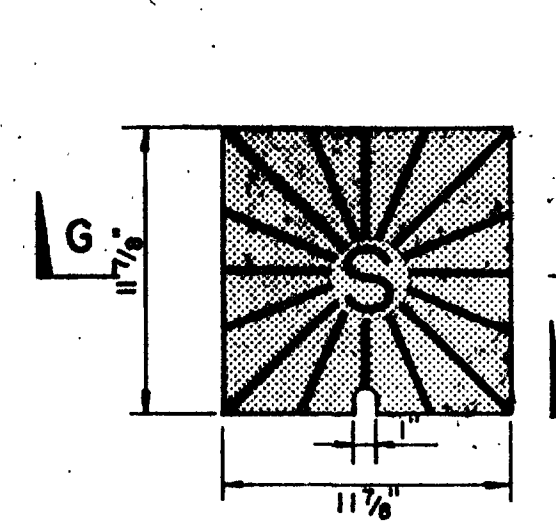
**MANHOLE OVER 10'
TYPE "A"
MANHOLE DETAILS
SCALE 1/2" = 1'-0"**



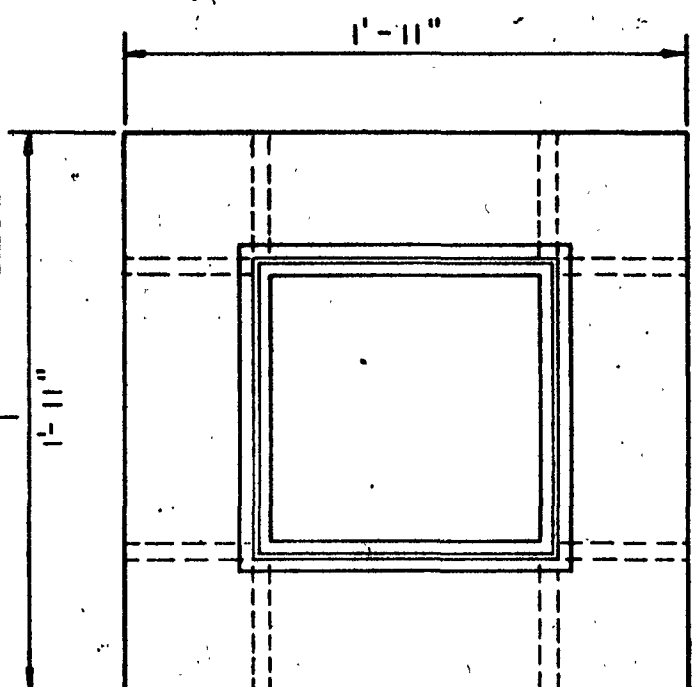
**DROP MANHOLE
TYPE "B"**



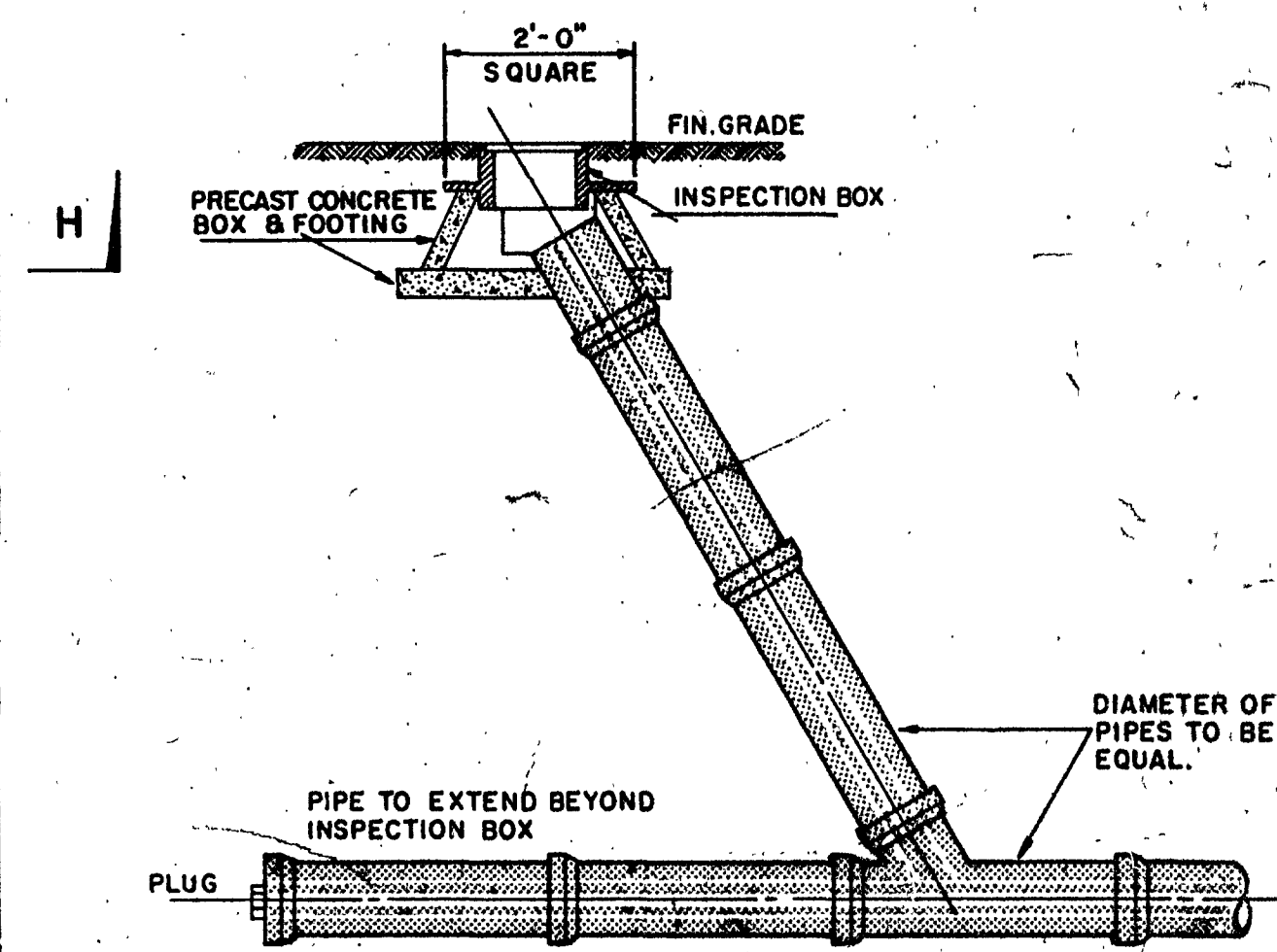
**SECTION D-D
CONCRETE ENCASMENT
NOT TO SCALE
USE FOR JOINING DIFFERENT TYPES OF PIPE**



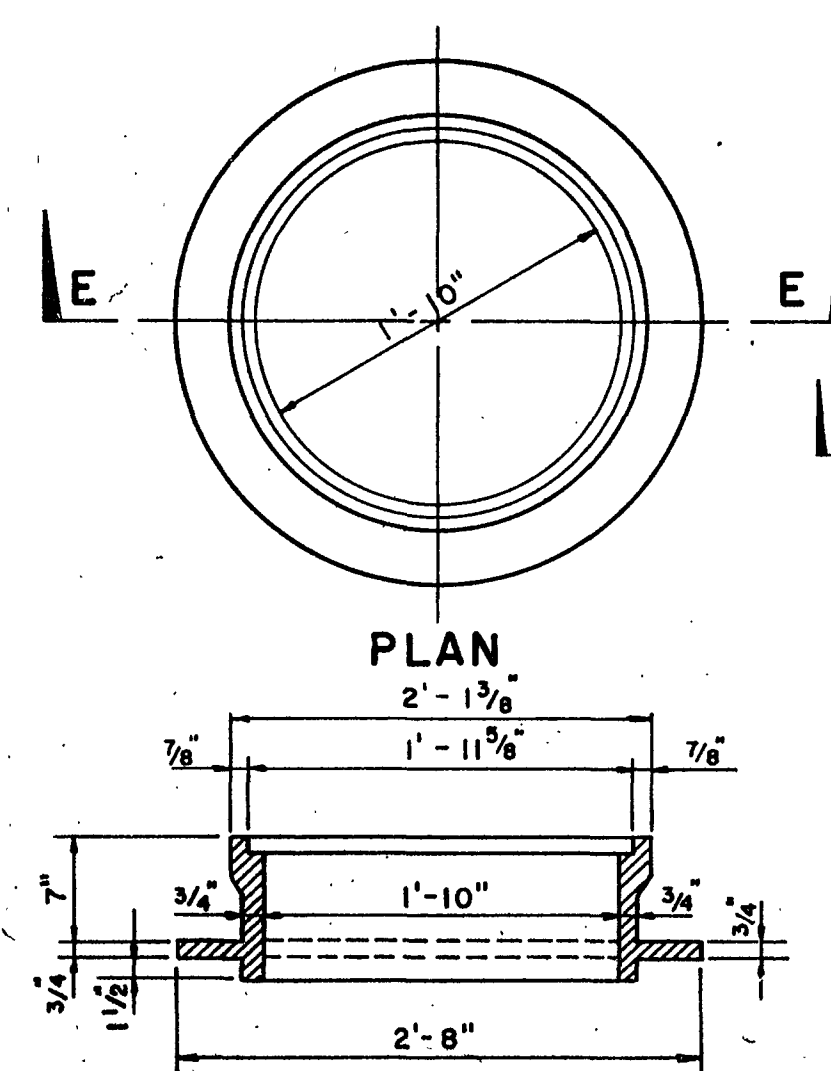
SECTION G-G



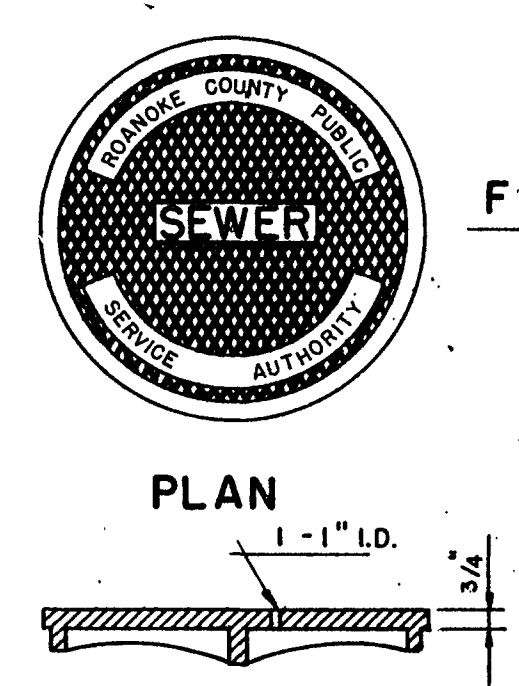
**PLAN
SECTION H-H
INSPECTION BOX FRAME AND COVER
SCALE 1 1/2" = 1'-0"**



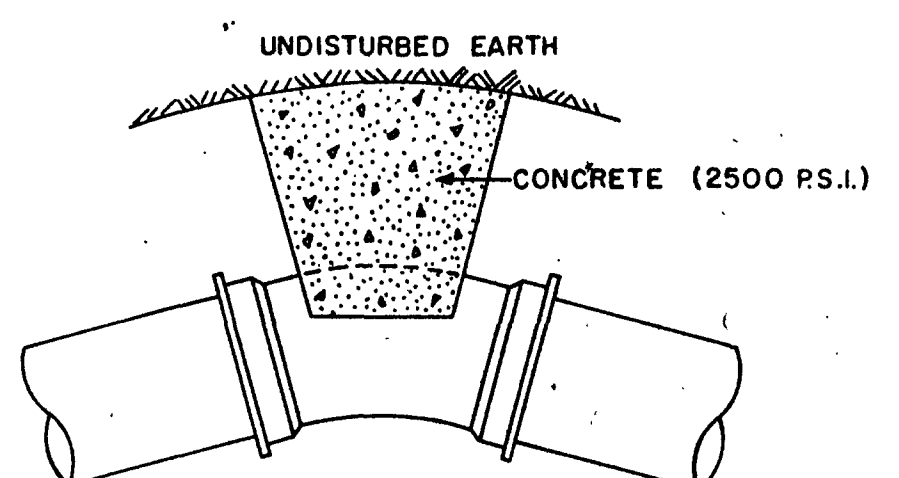
**CLEANOUT CONNECTION DETAIL
NOT TO SCALE**



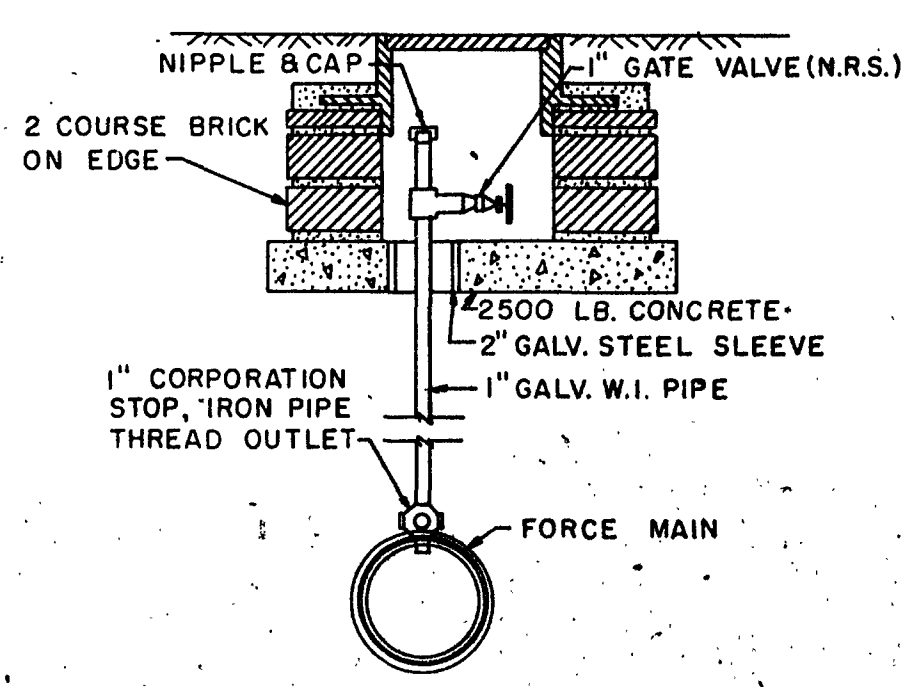
**SECTION E-E
STANDARD MANHOLE FRAME & COVER
SCALE: 1" = 1'-0"**



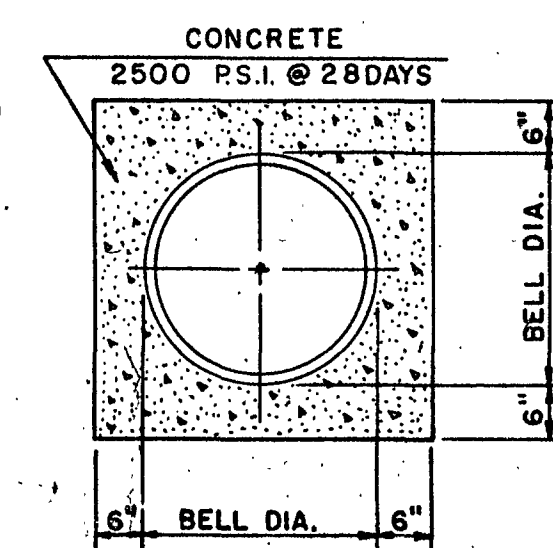
SECTION F-F



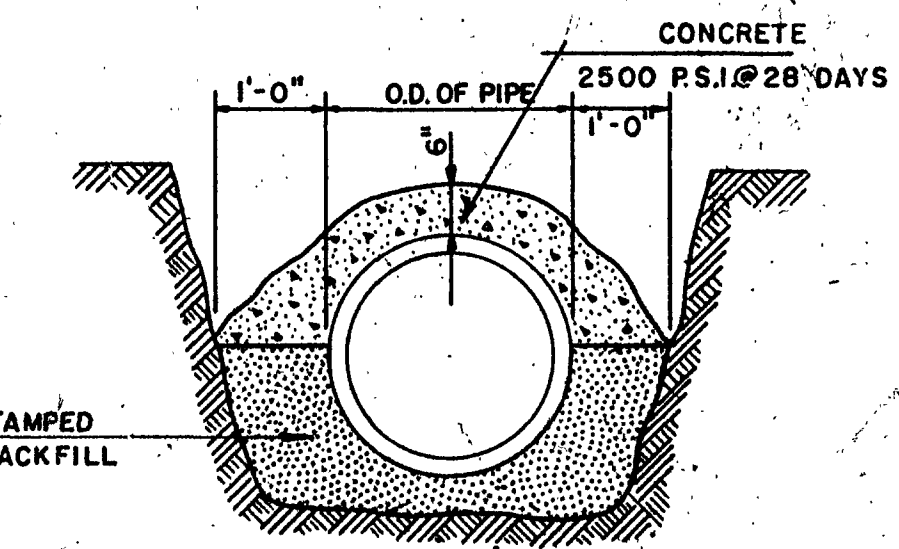
THRUST BLOCK



AIR VENT DETAIL



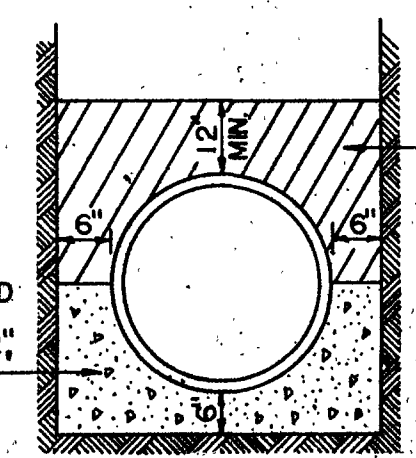
CONCRETE ENCASED PIPE



CONCRETE CAP

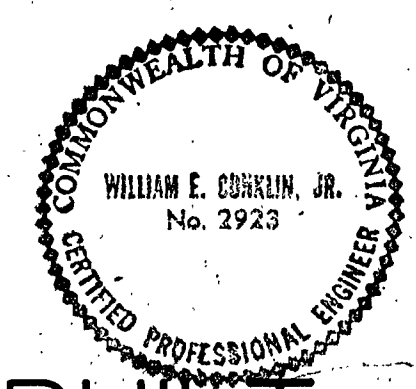
**CONSTRUCTION DETAILS
NOT TO SCALE**

COMPACTED CRUSHED STONE OR PEA GRAVEL, PASSING 1/2" RETAINED ON # 4



STANDARD GRAVEL BEDDING

CAREFULLY AND MECHANICALLY TAMPED BACKFILL



AS BUILT

ROANOKE COUNTY PUBLIC SERVICE AUTHORITY ROANOKE COUNTY, VIRGINIA		
SANITARY	SEWERAGE	SYSTEM
MONTEREY	INTERCEPTOR	
PROJECT No. 72-4-S		
DETAILS		
DES: W.C.O.	LANGLEY, McDONALD and OVERMAN	SCALE: AS SHOWN
DR: G.E.R.	CONSULTING ENGINEERS	DATE: 11-1-72
CHK: W.E.C.	NORFOLK, VIRGINIA	SHEET 3 OF 3