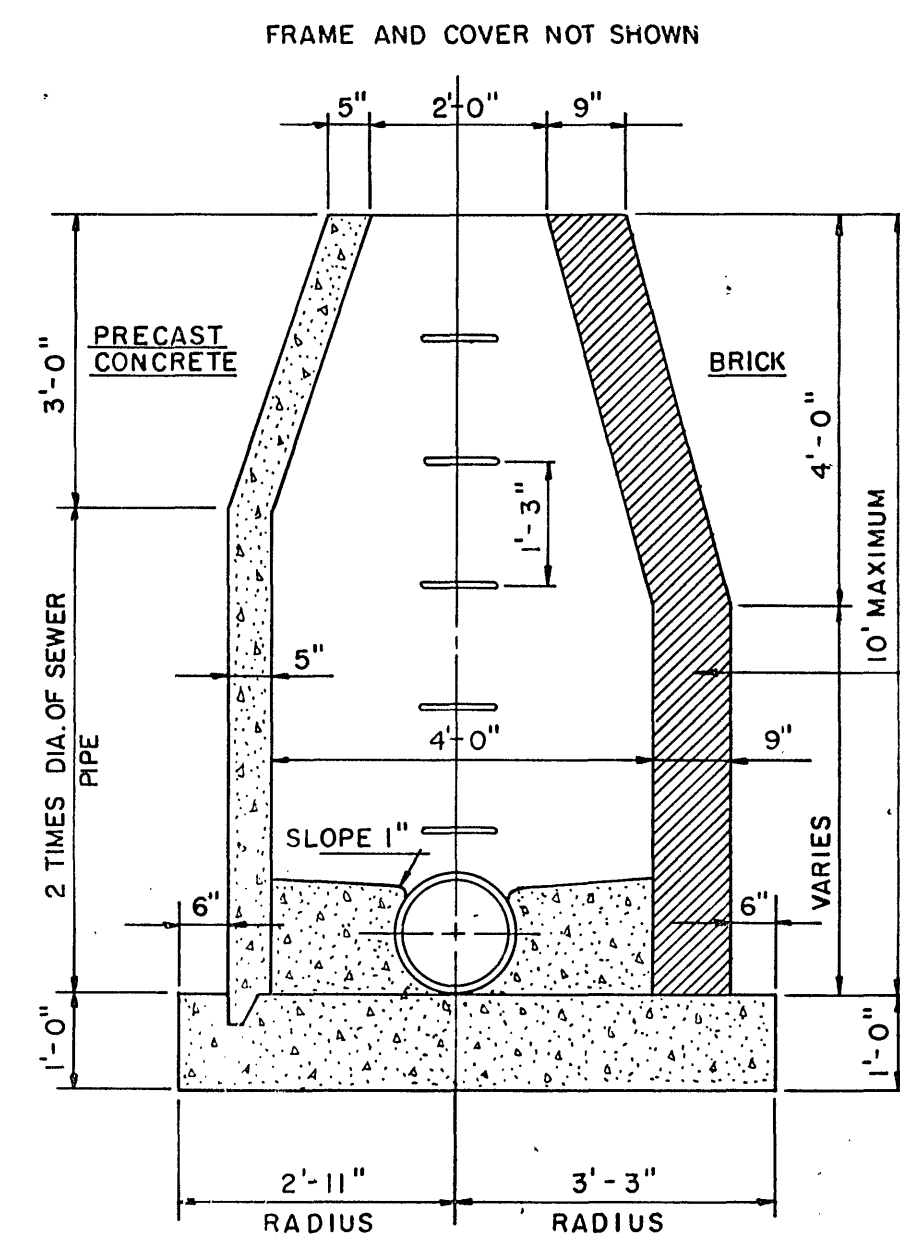
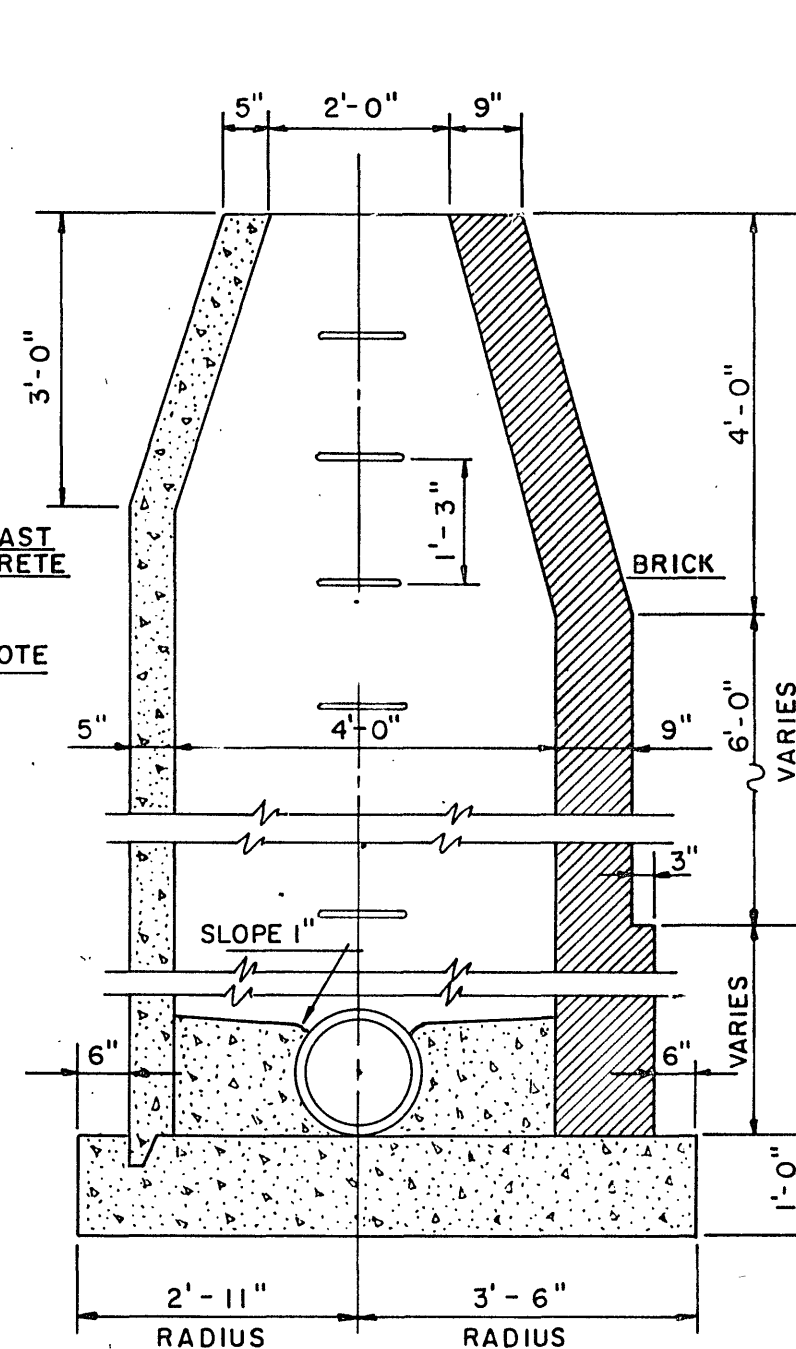




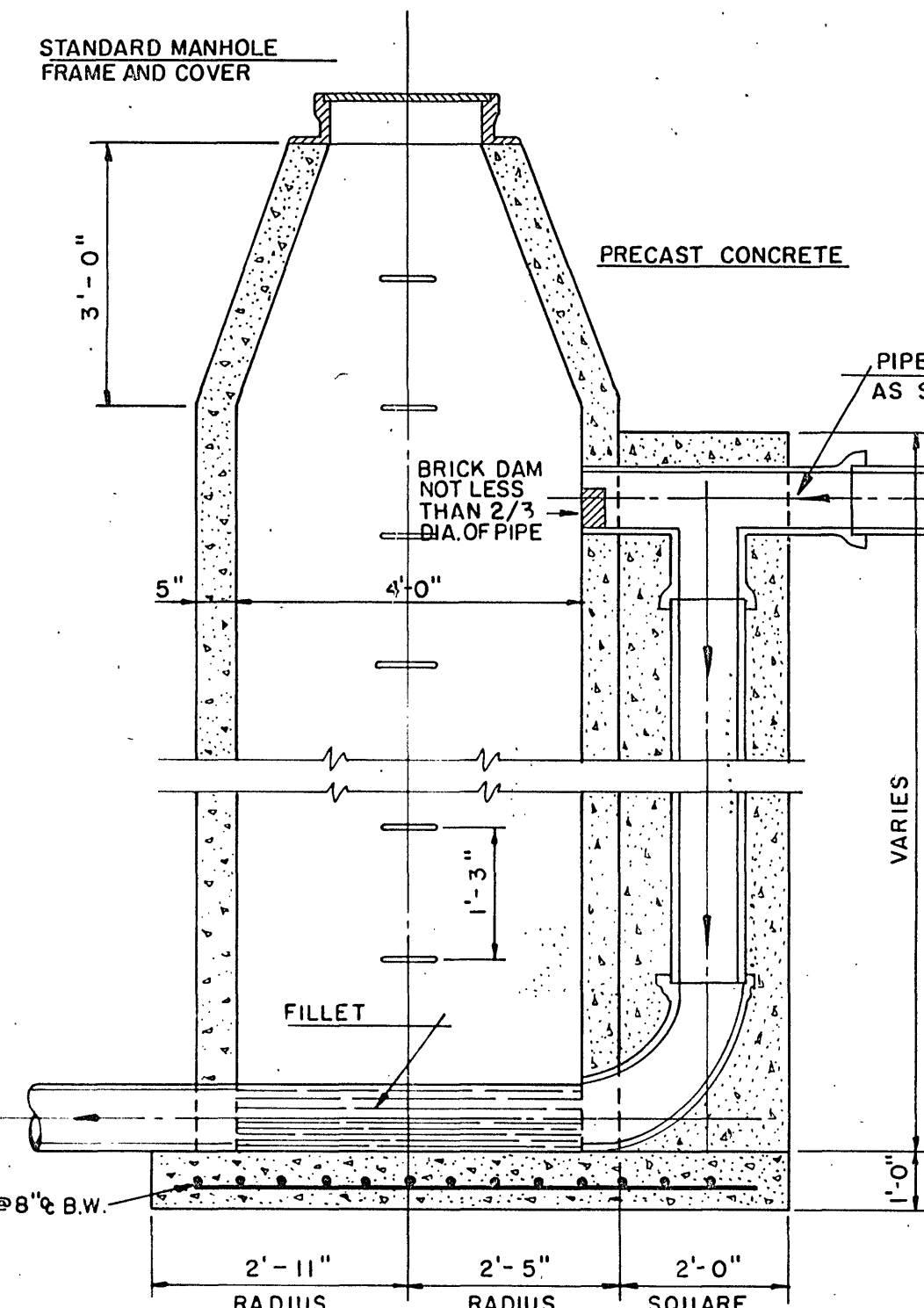
LONGITUDINAL SECTION

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

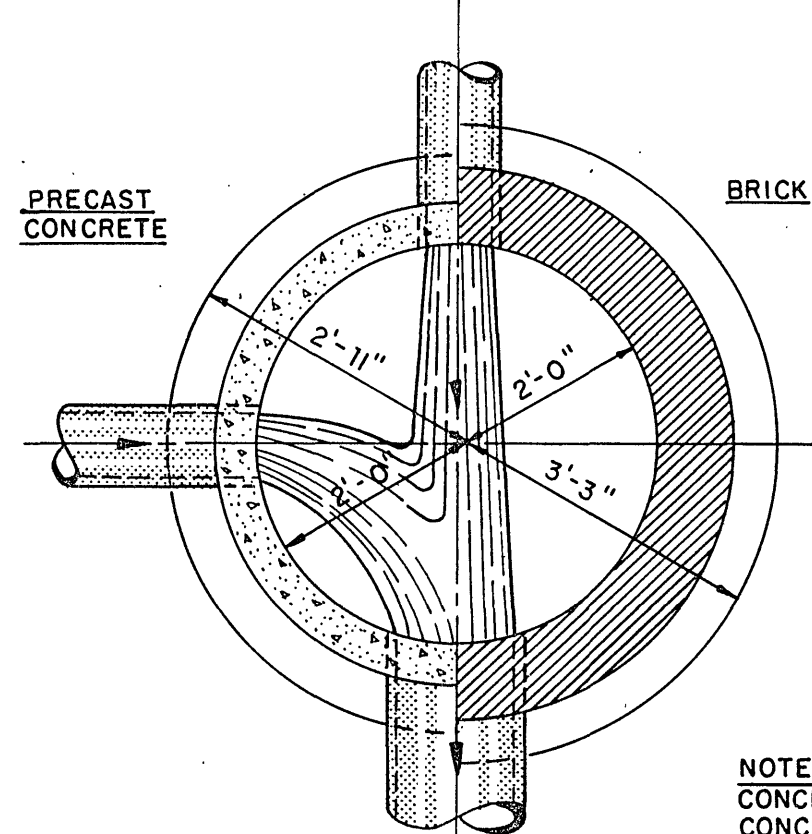


LONGITUDINAL SECTION

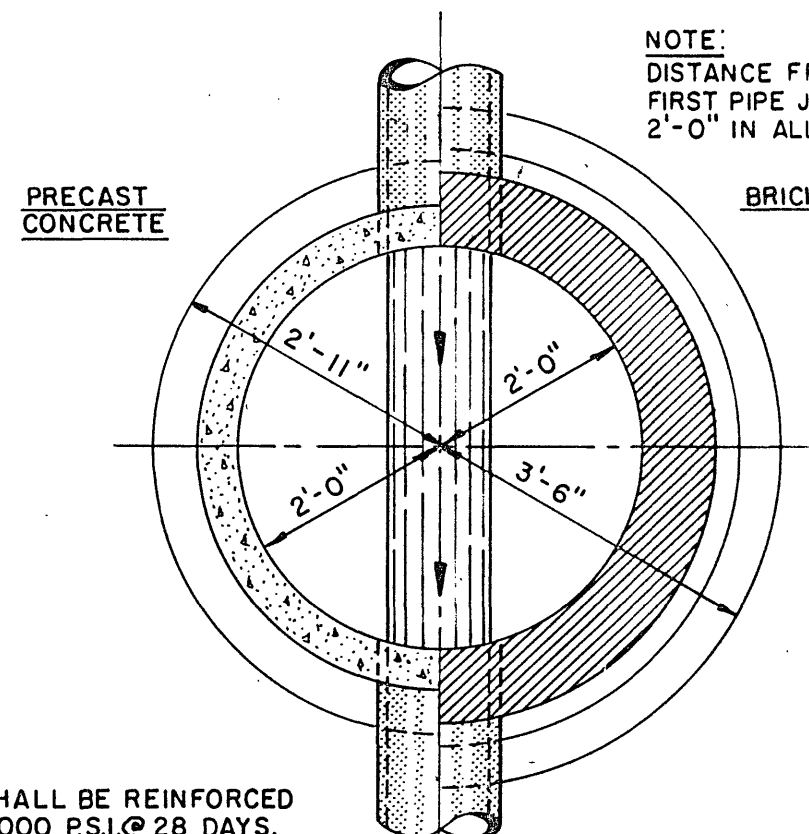
NOTE:
DISTANCE FROM MANHOLE TO
FIRST PIPE JOINT SHALL BE
2'-0" IN ALL MANHOLES.



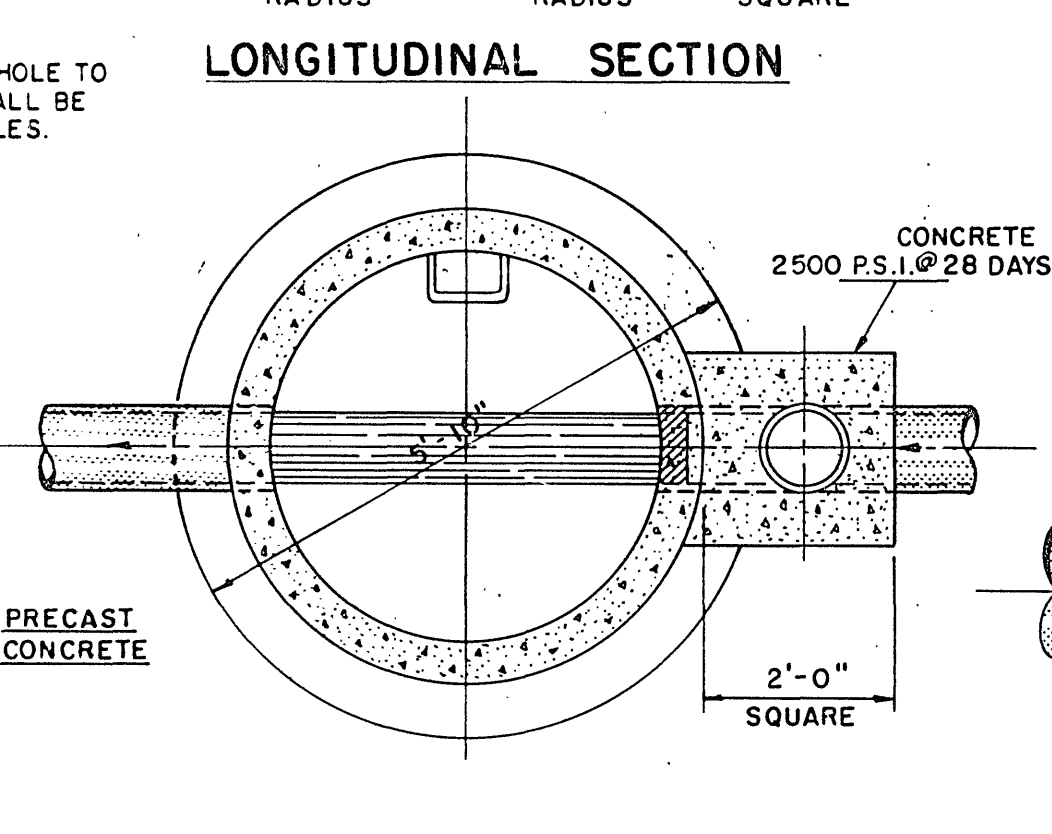
LONGITUDINAL SECTION



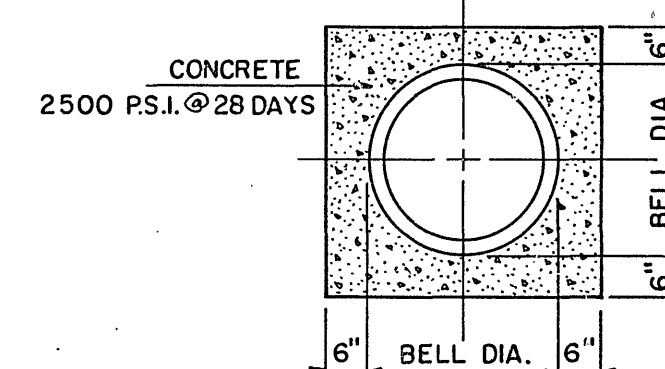
MANHOLE 0' TO 10'
TYPE "A"



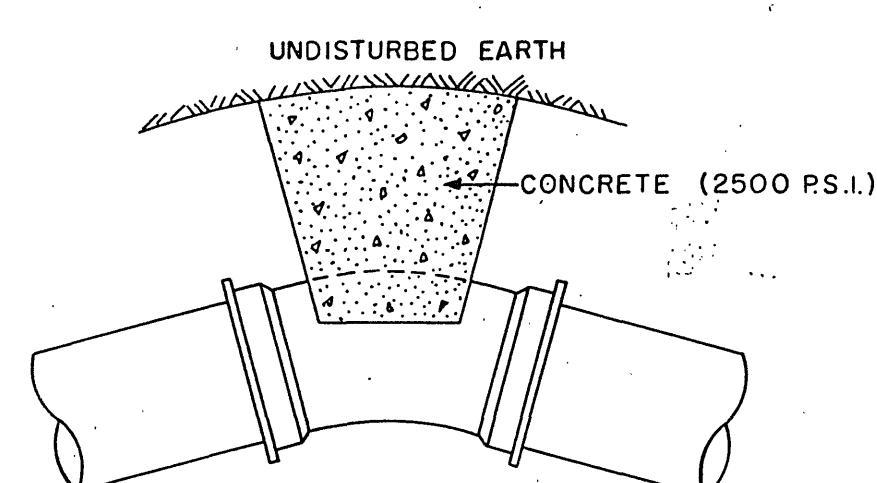
MANHOLE OVER 10'
TYPE "A"
MANHOLE DETAILS
SCALE 1/2" = 1'-0"



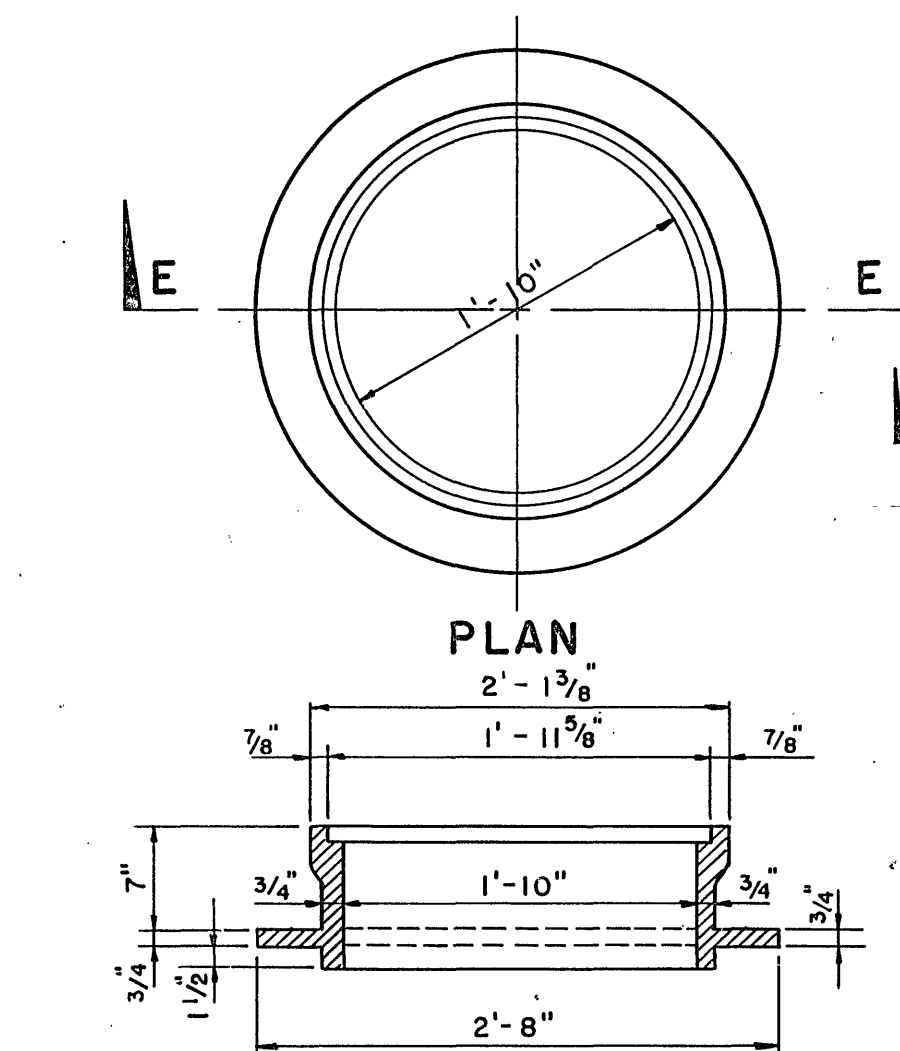
DROP MANHOLE
TYPE "B"



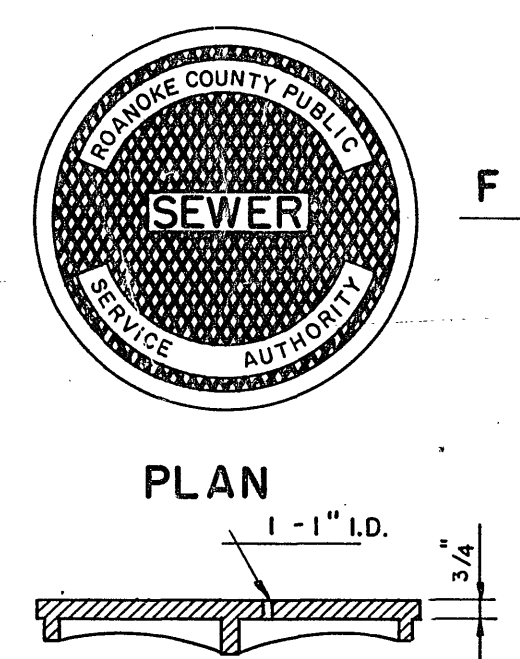
SECTION D-D
CONCRETE ENCASUREMENT
NOT TO SCALE
USE FOR JOINING DIFFERENT TYPES OF PIPE



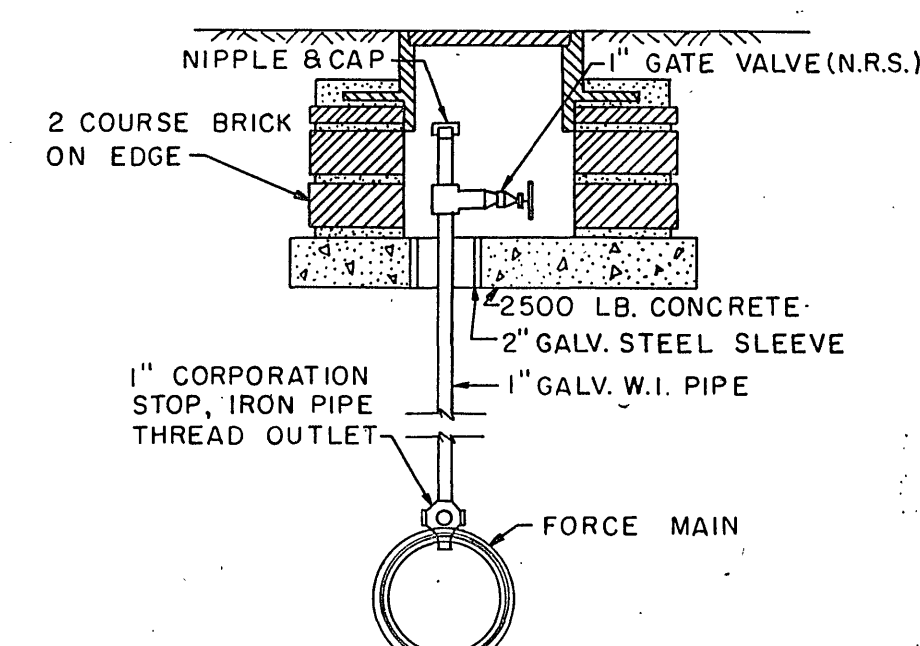
THRUST BLOCK



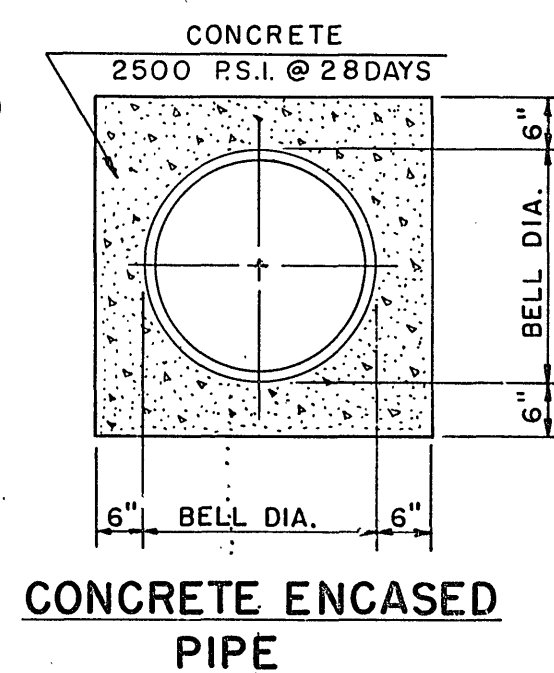
SECTION E-E
STANDARD MANHOLE FRAME & COVER
SCALE: 1" = 1'-0"



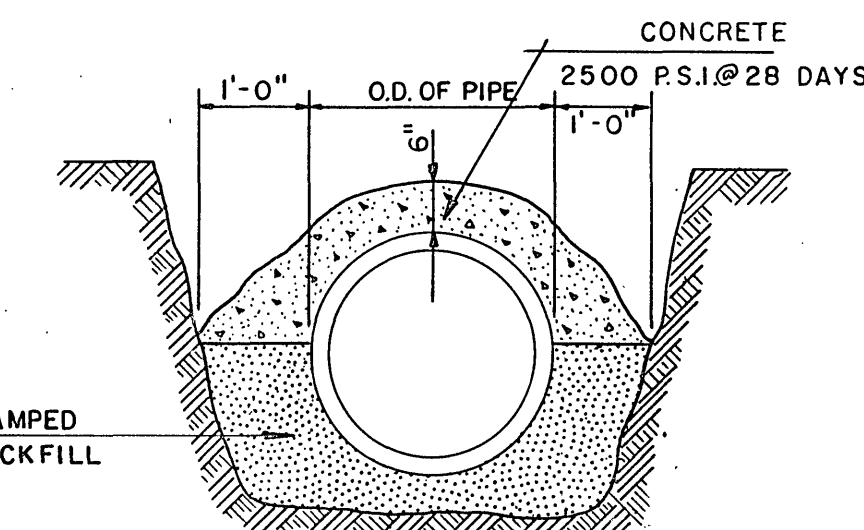
SECTION F-F



AIR VENT DETAIL

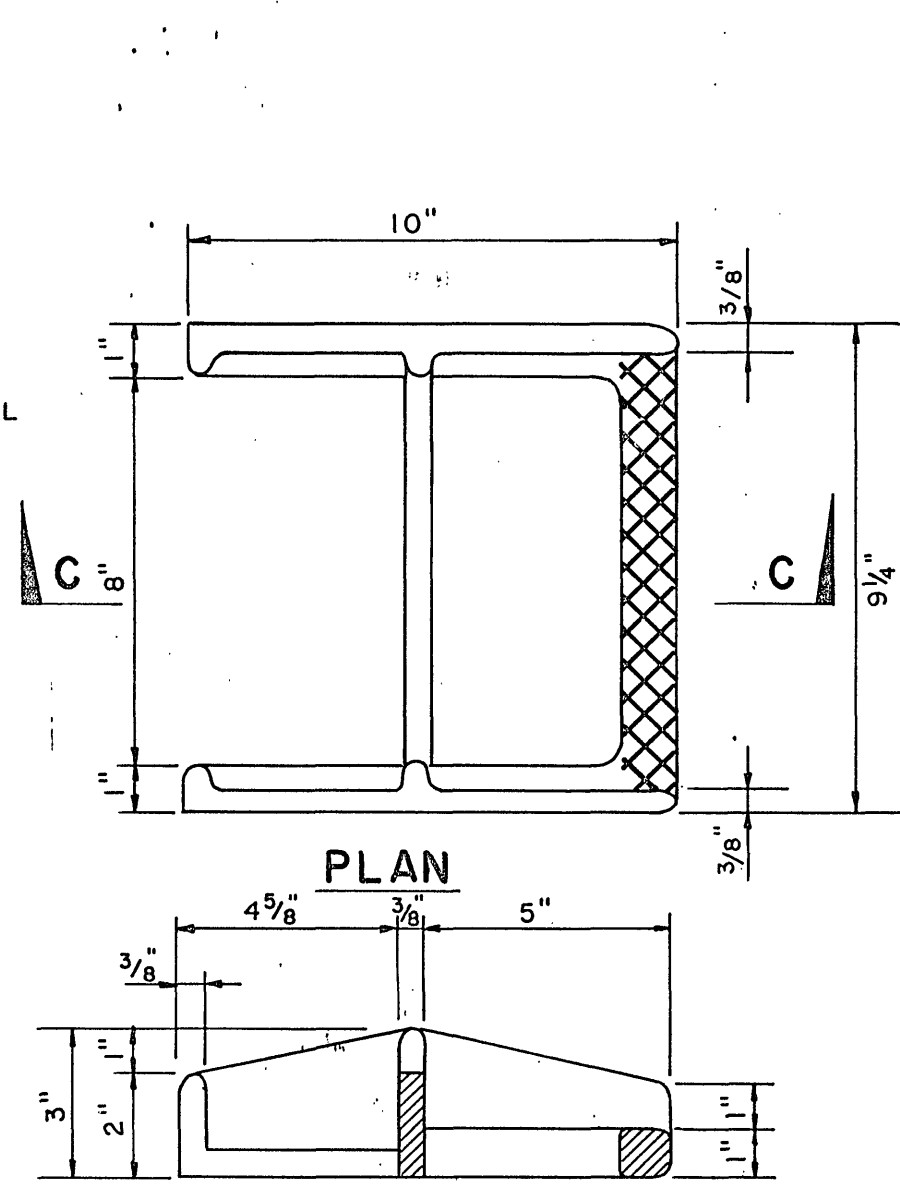


CONCRETE ENCASED
PIPE



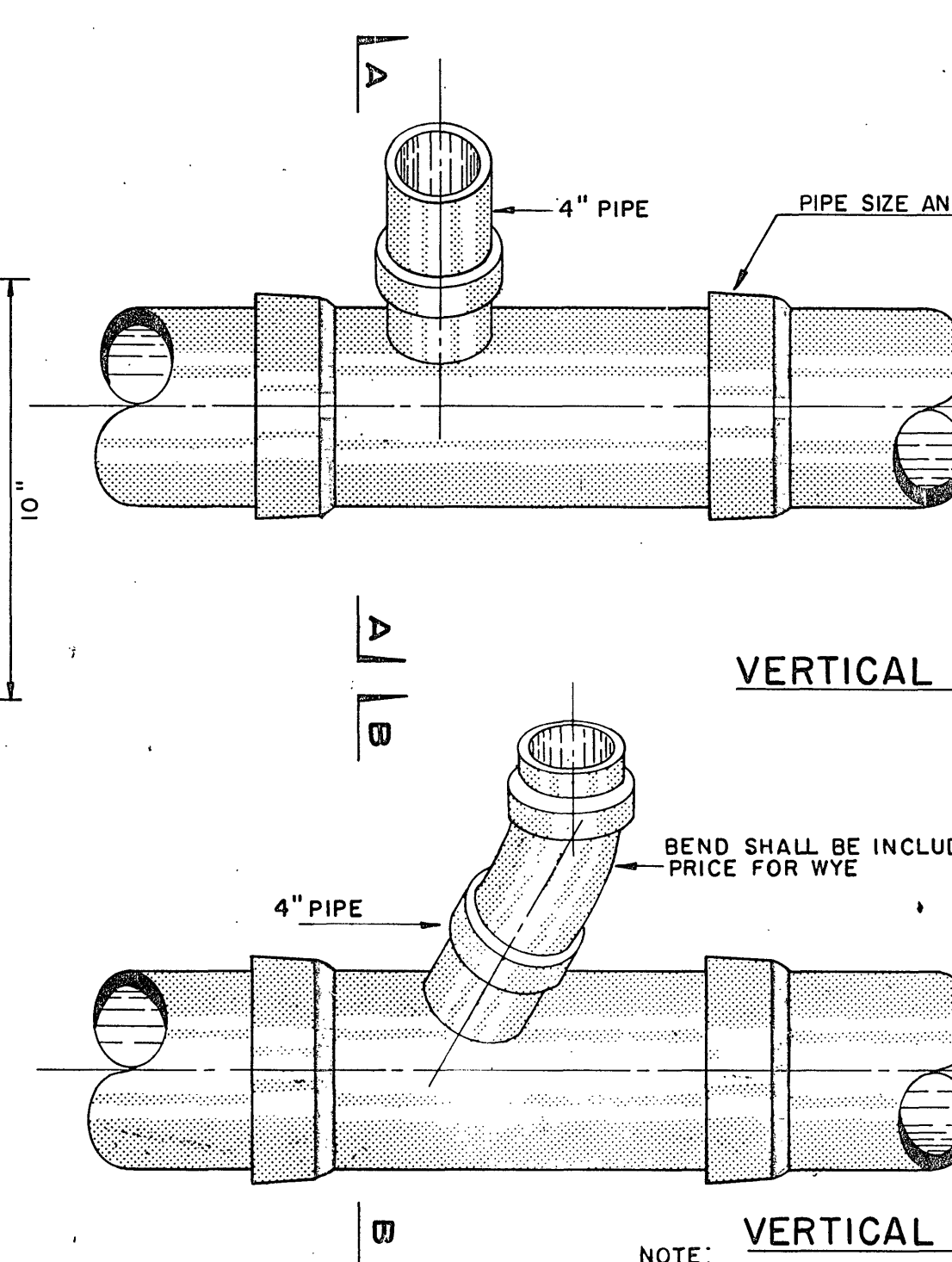
CONCRETE CAP

CONSTRUCTION DETAILS
NOT TO SCALE



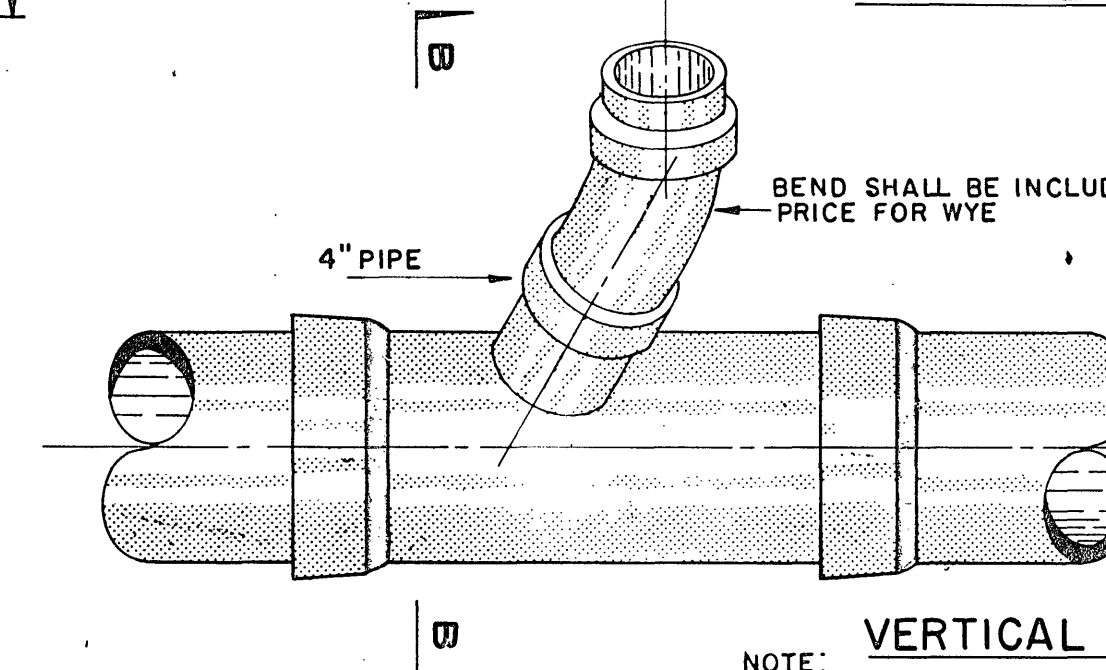
SECTION C-C

CAST IRON MANHOLE STEPS
SCALE: 3" = 1'-0"



VERTICAL RISER "T"

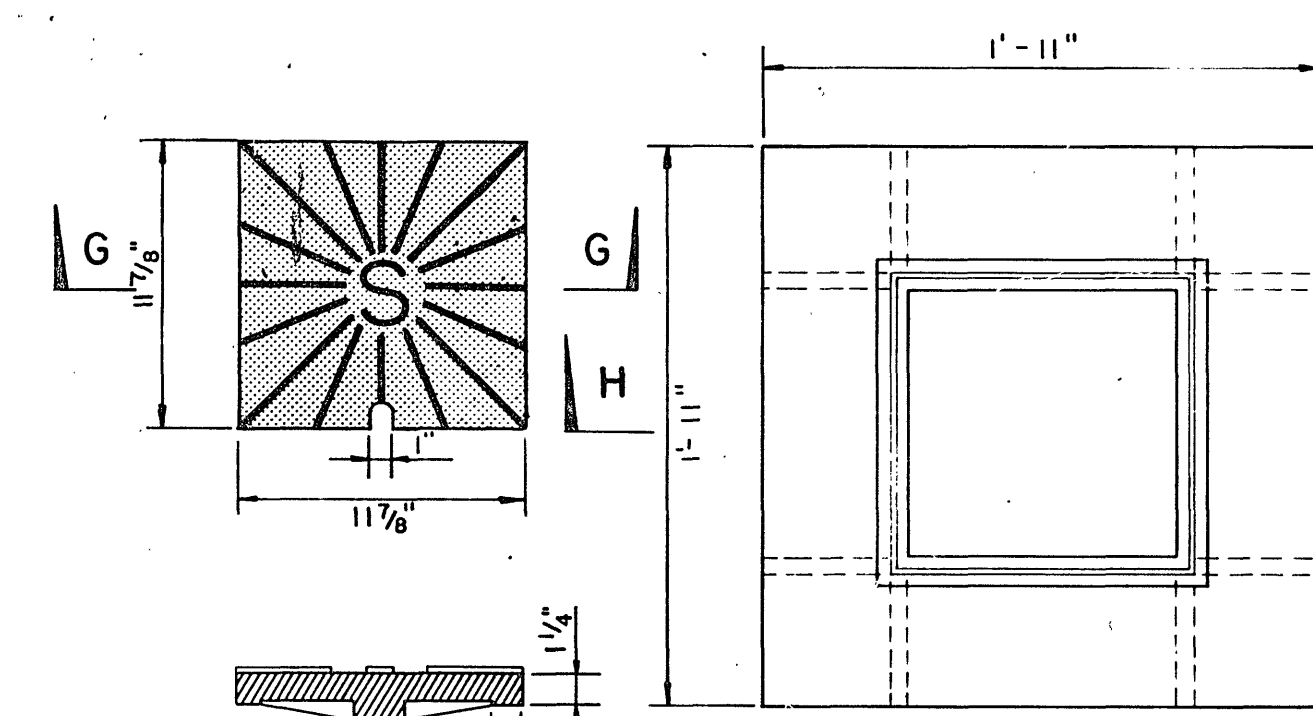
SECTION A-A



VERTICAL RISER WYE

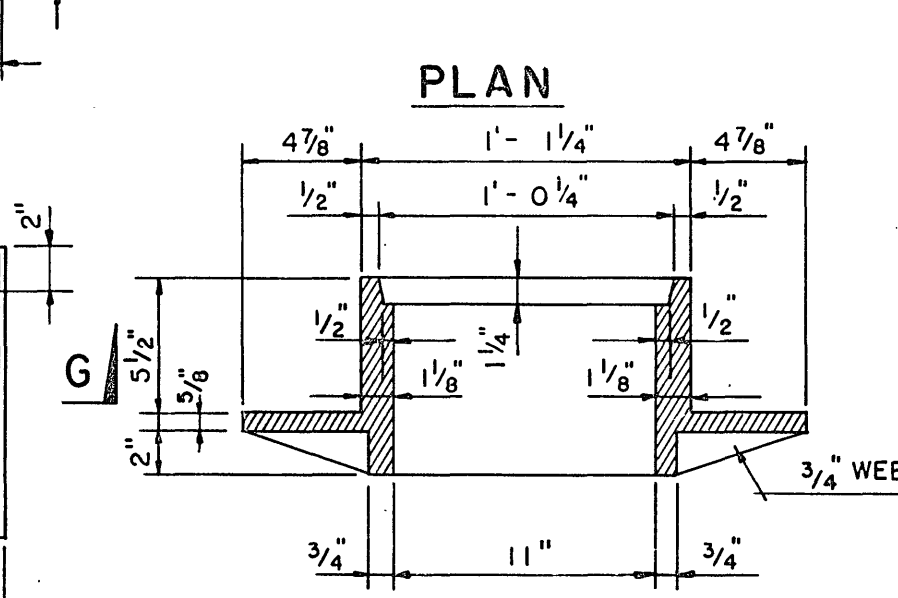
SECTION B-B

SERVICE CONNECTION DETAIL
NOT TO SCALE



SECTION G-G

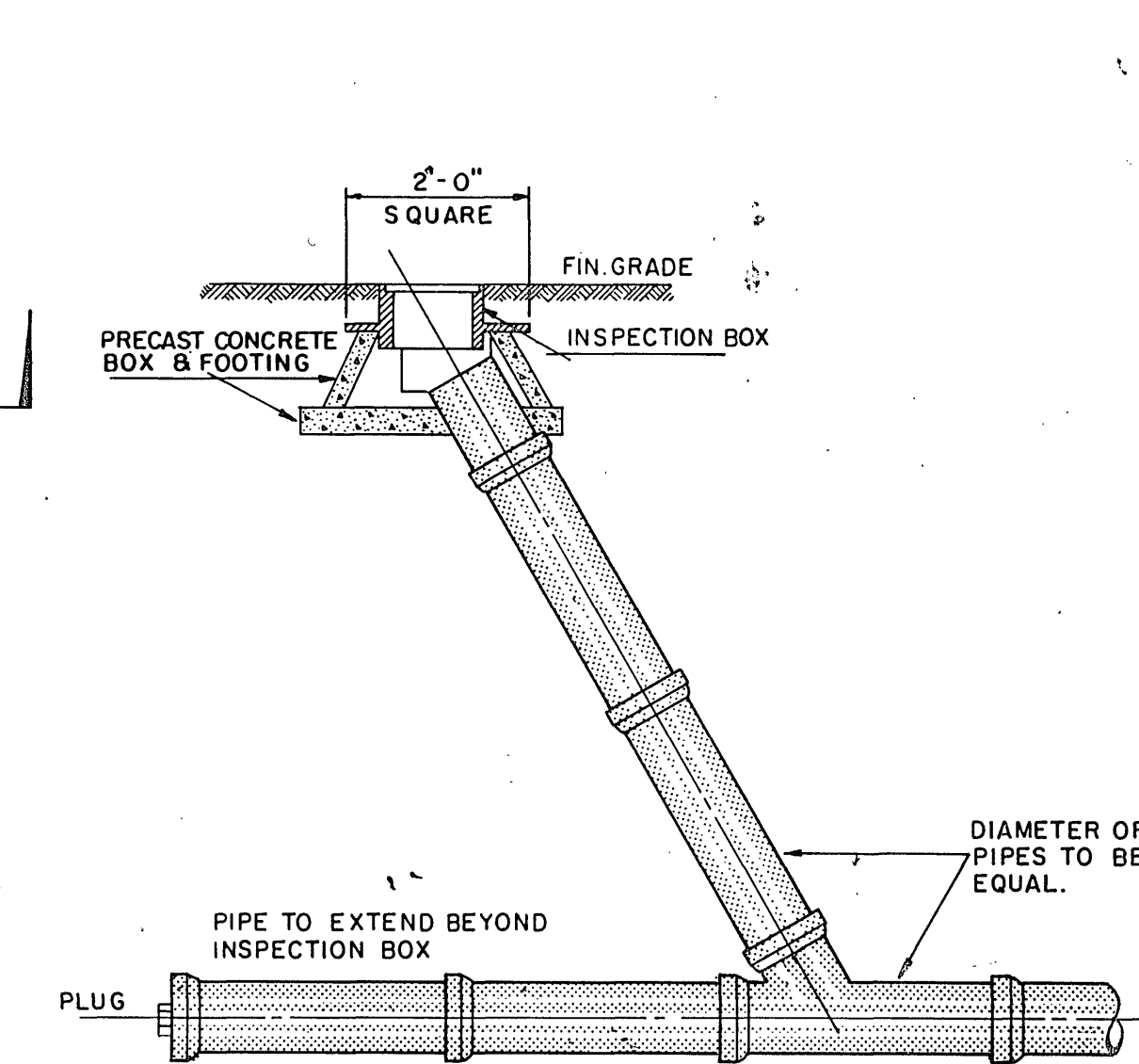
PLAN



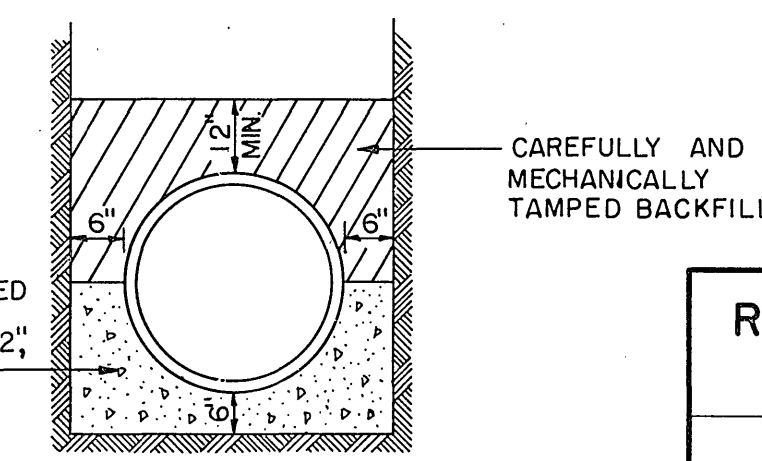
SECTION H-H

INSPECTION BOX FRAME AND COVER

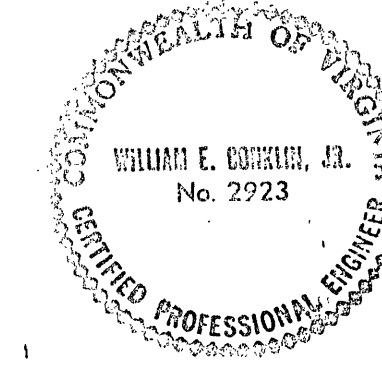
SCALE 1/2" = 1'-0"



CLEANOUT CONNECTION DETAIL
NOT TO SCALE



STANDARD GRAVEL
BEDDING



ROANOKE COUNTY PUBLIC SERVICE AUTHORITY ROANOKE COUNTY, VIRGINIA		
SANITARY SEWERAGE SYSTEM MURRAY RUN INTERCEPTOR		
PROJECT NO. 71-10-S DETAILS		
DES:	LANGLEY, McDONALD and OVERMAN	SCALE: AS SHOWN
DR: G.E.R.	CONSULTING ENGINEERS	DATE: 7/23/71
CK: W.E.C.	NORFOLK, VIRGINIA	SHEET 4 OF 4