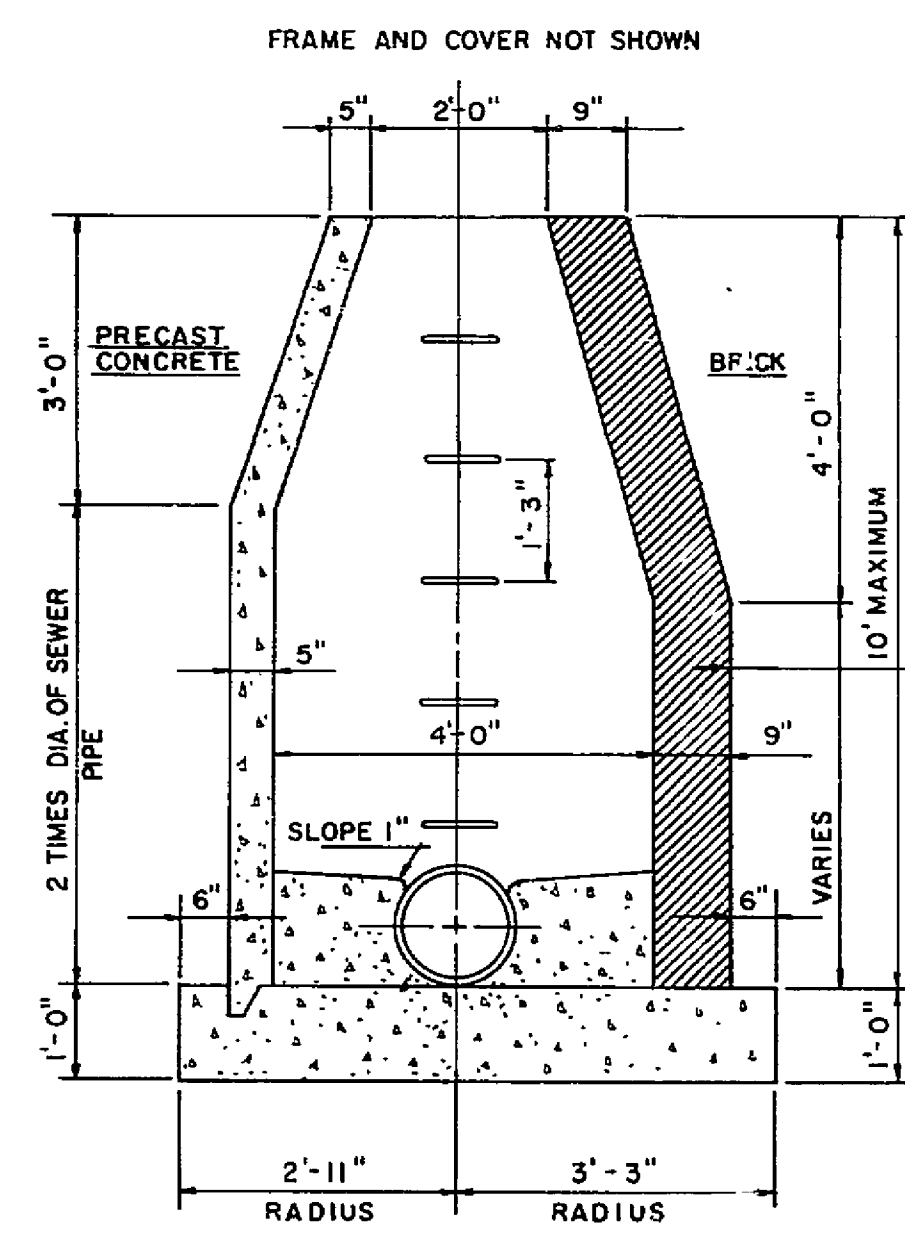
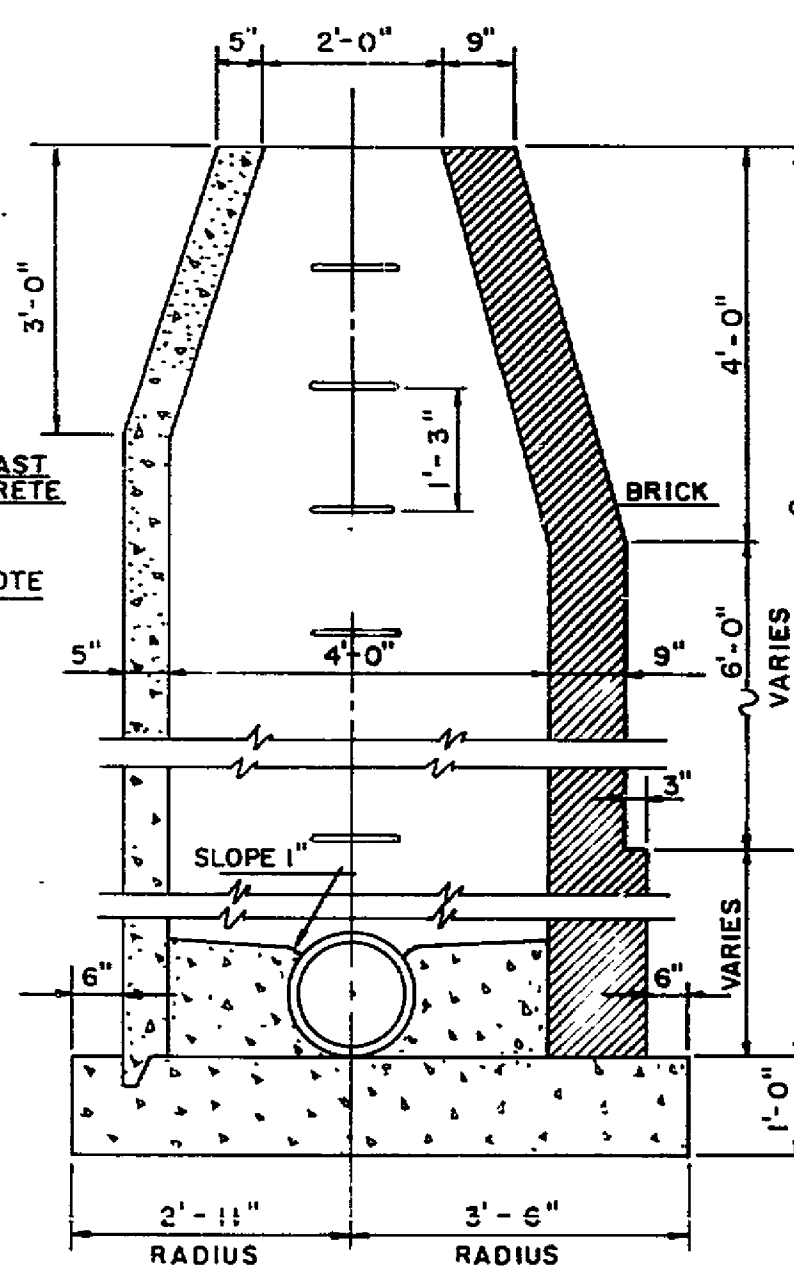


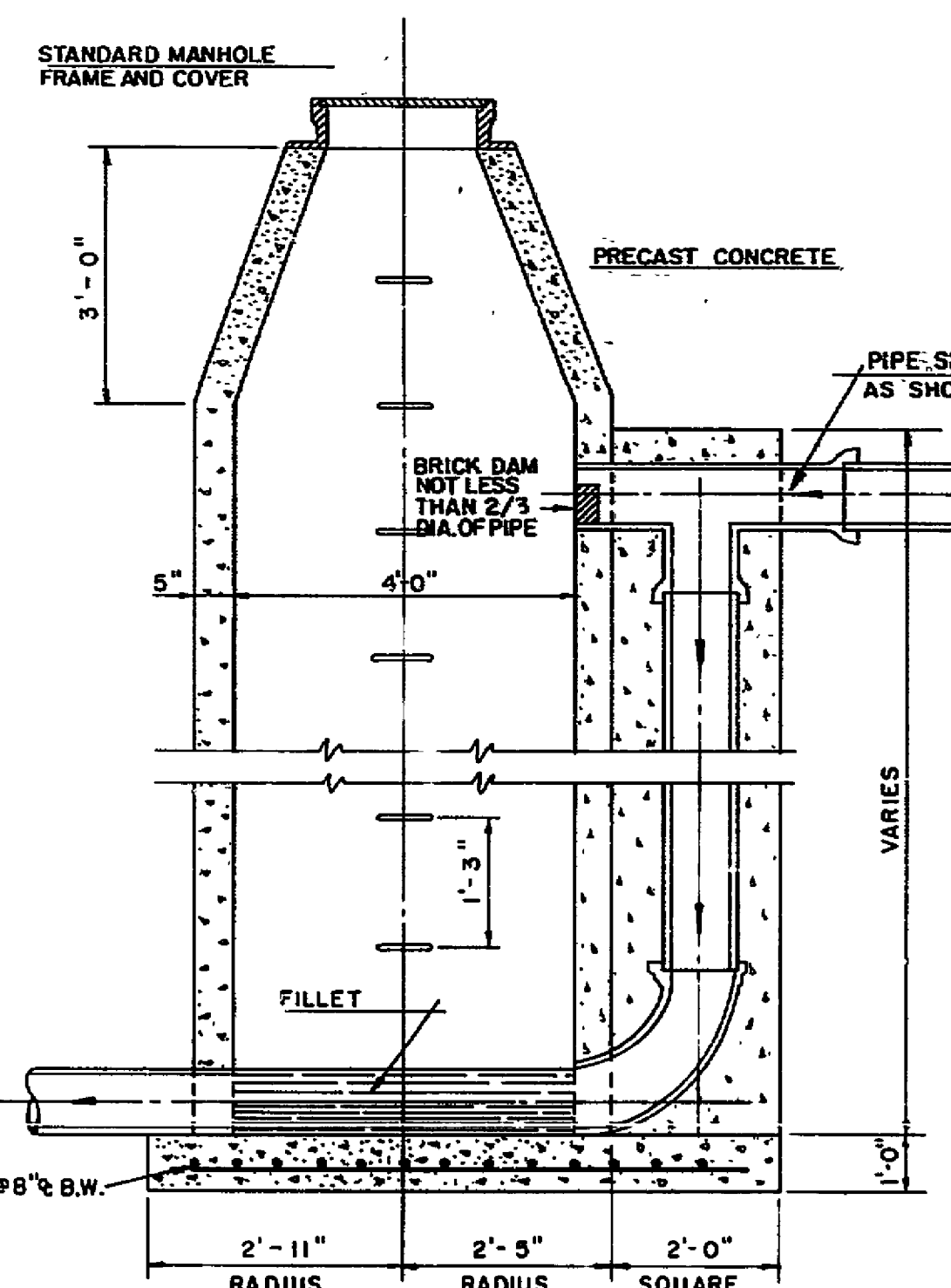


LONGITUDINAL SECTION

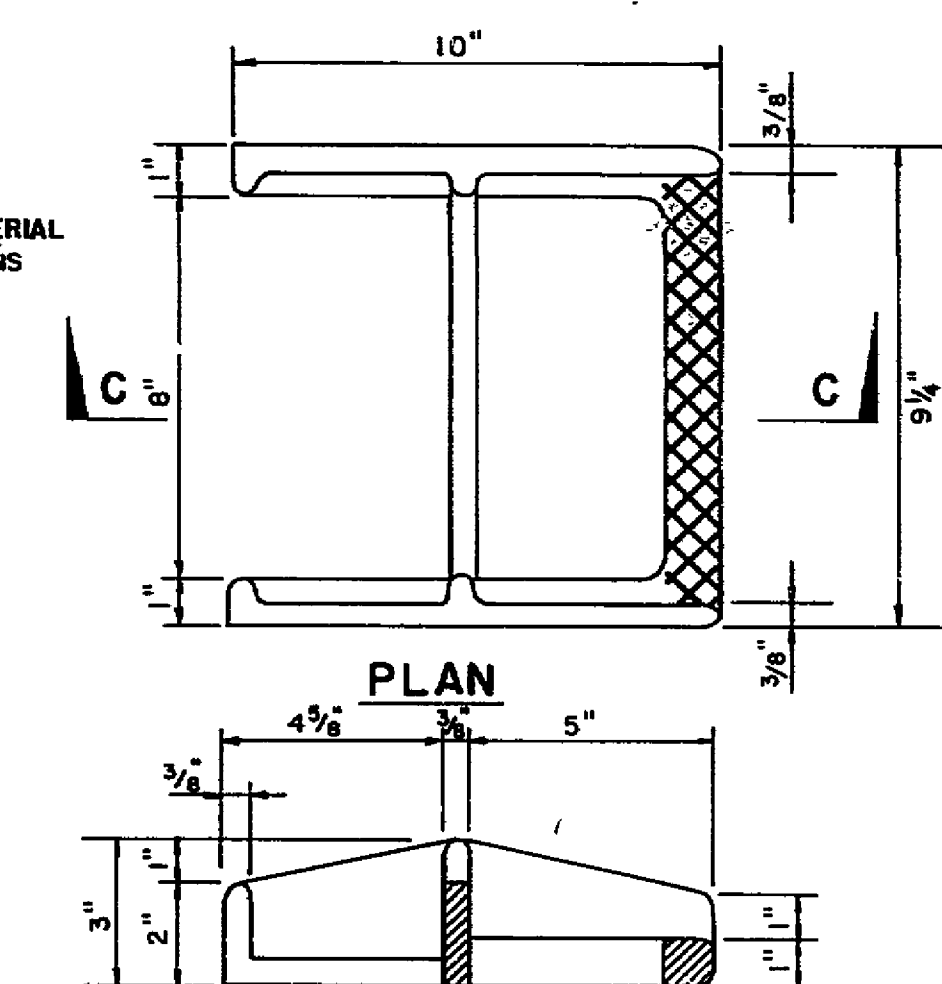
NOTE: REFER TO SPECIFICATIONS FOR MANHOLES CONSTRUCTED OF CONCRETE MANHOLE BLOCK



LONGITUDINAL SECTION

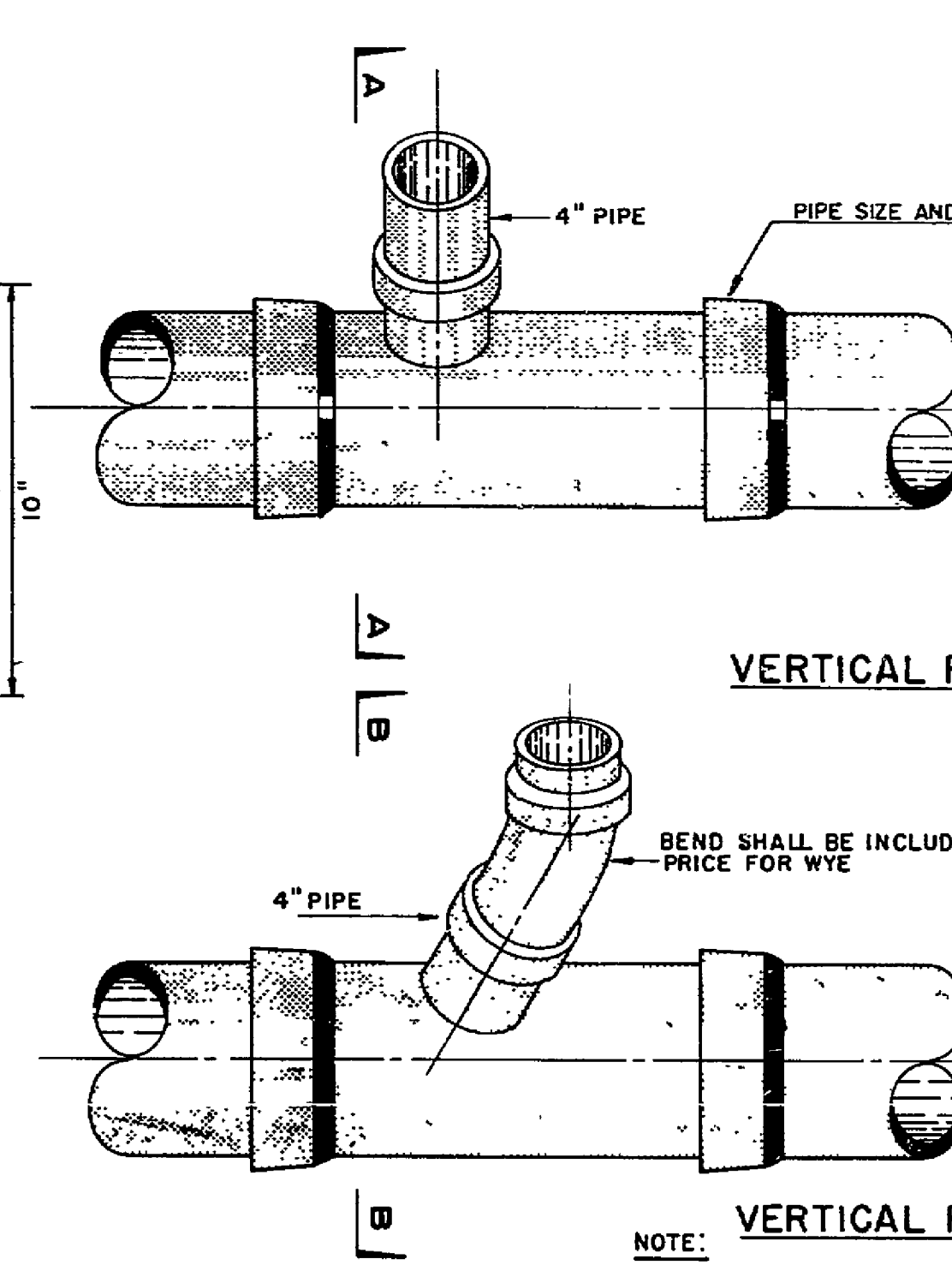


LONGITUDINAL SECTION



SECTION C-C
CAST IRON MANHOLE STEPS

MANHOLES
SCALE: 3"=1'-0"



VERTICAL RISER "T"

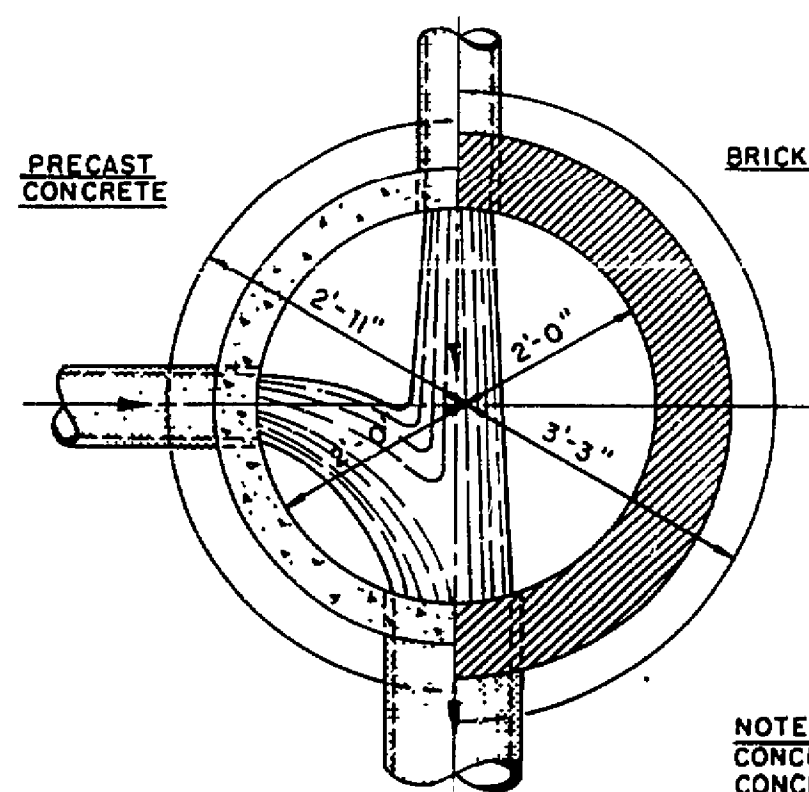
VERTICAL RISER WYE

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

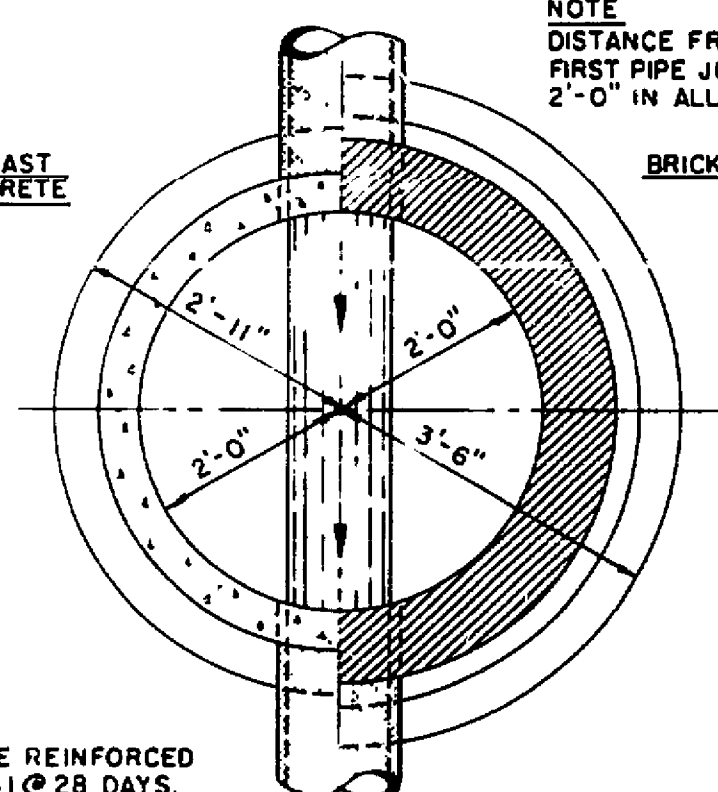
SECTION A-A

SECTION B-B

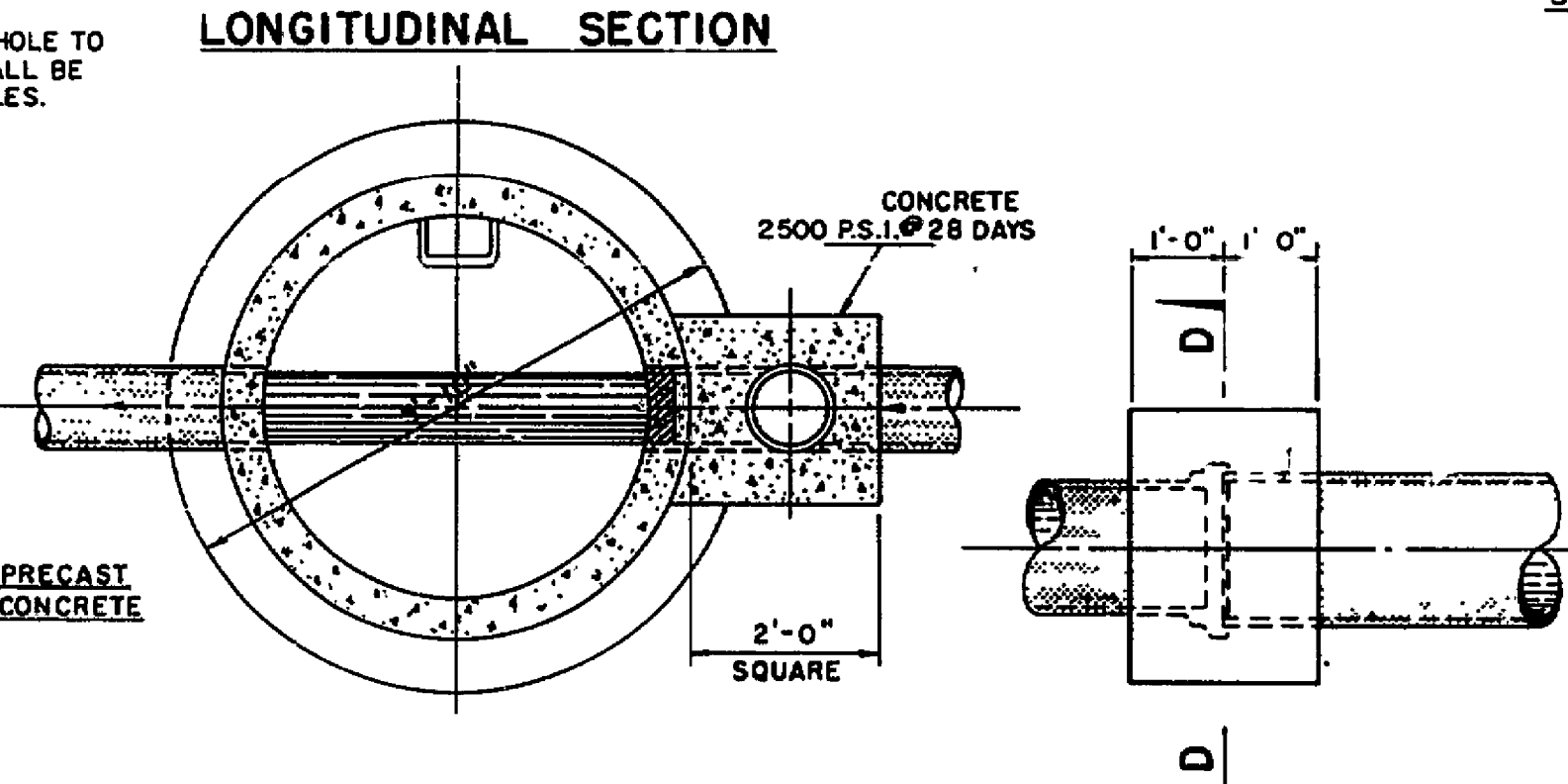
SERVICE CONNECTION DETAIL
NOT TO SCALE



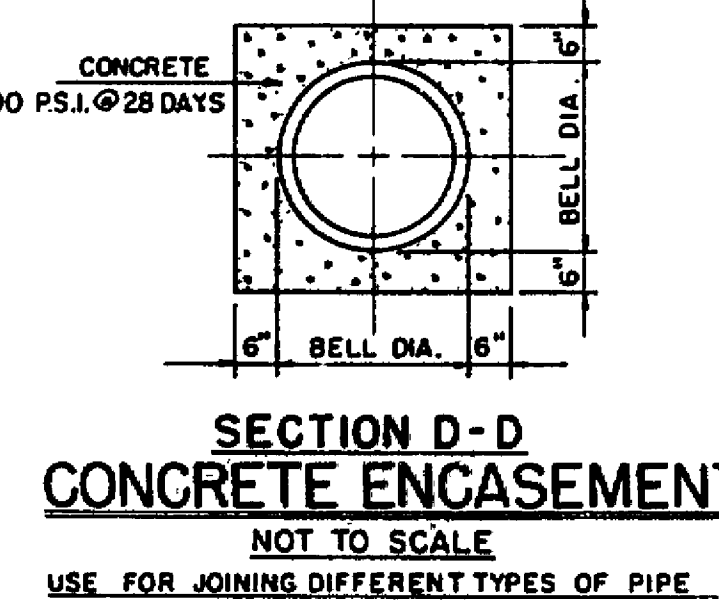
MANHOLE 0' TO 10'
TYPE "A"



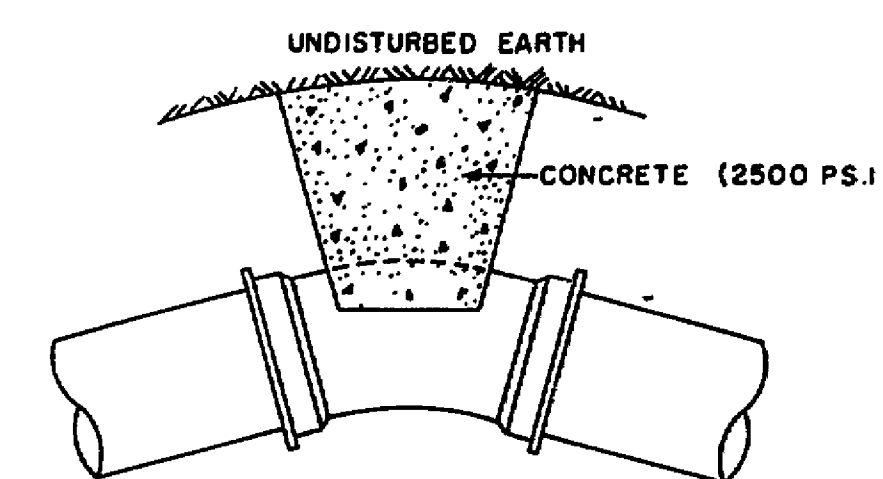
MANHOLE OVER 10'
TYPE "A"
MANHOLE DETAILS
SCALE 1/2"=1'-0"



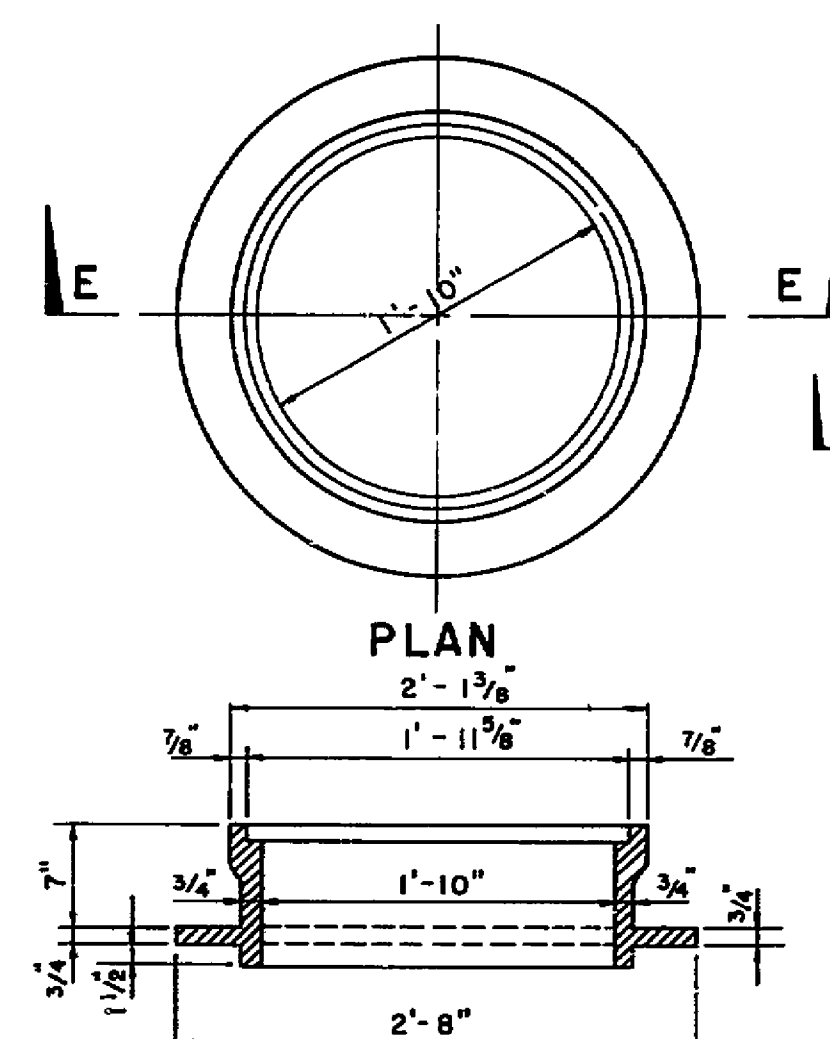
DROP MANHOLE
TYPE "B"



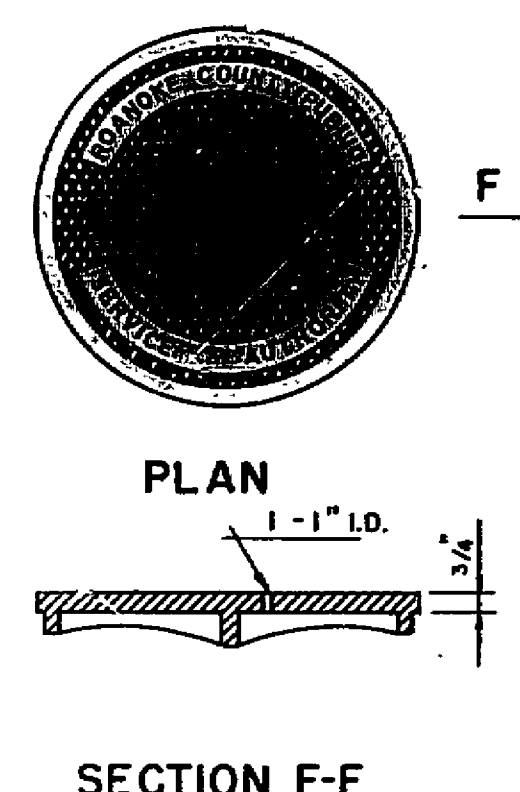
SECTION D-D
CONCRETE ENCASEMENT
NOT TO SCALE
USE FOR JOINING DIFFERENT TYPES OF PIPE



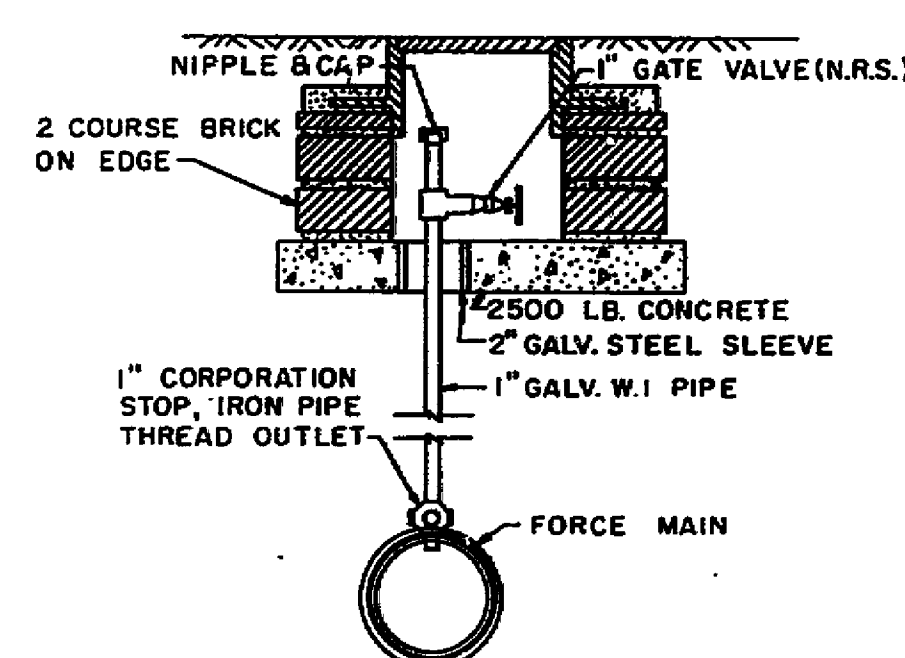
THRUST BLOCK



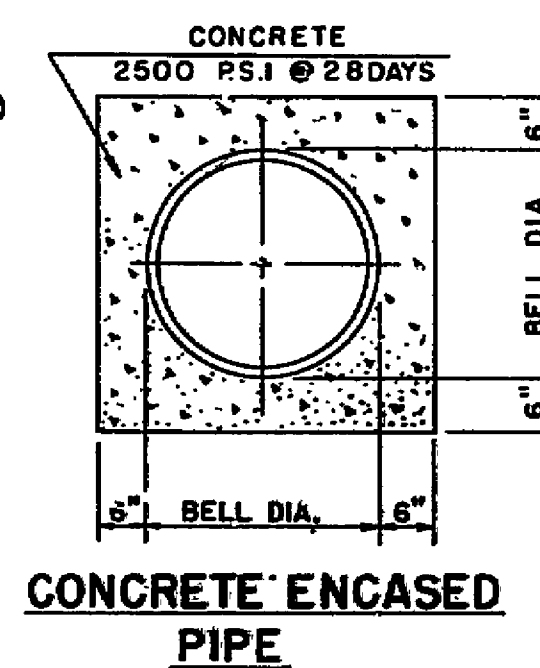
SECTION E-E
STANDARD MANHOLE FRAME & COVER
SCALE: 1"=1'-0"



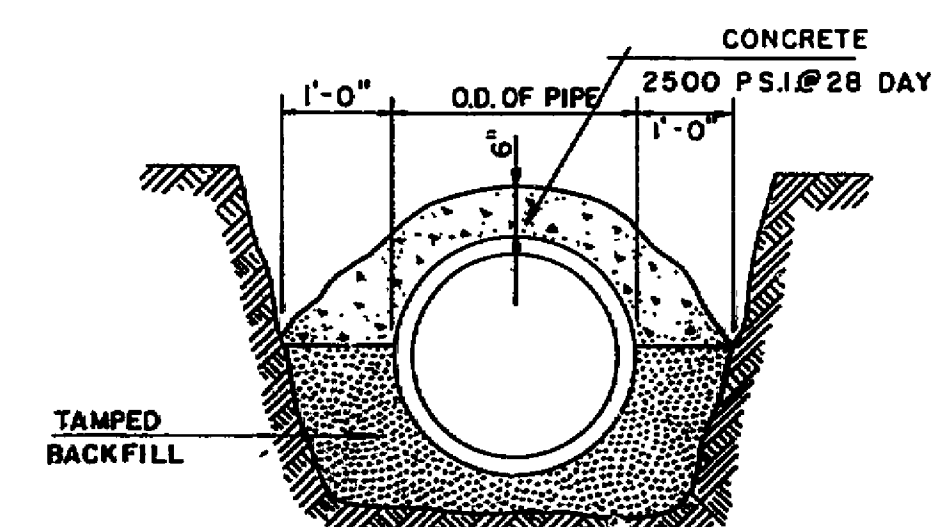
SECTION F-F



AIR VENT DETAIL

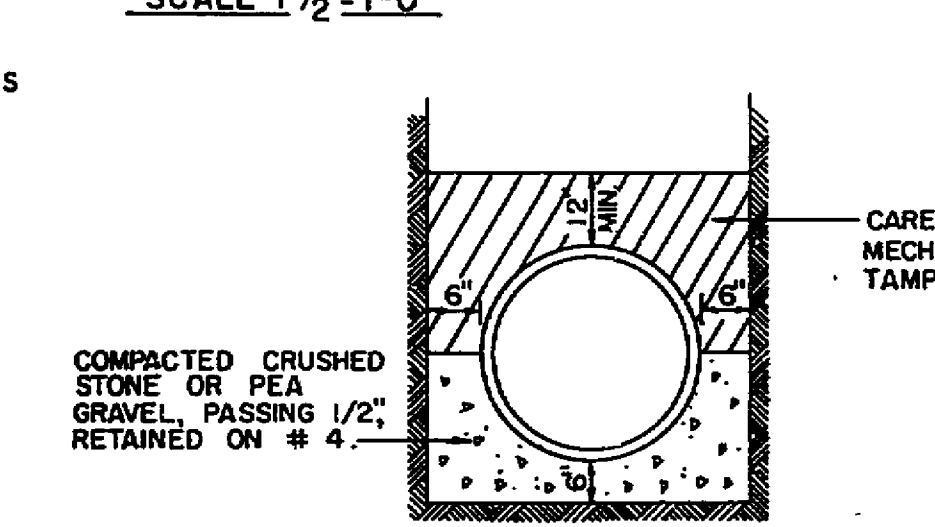


CONCRETE ENCASED PIPE

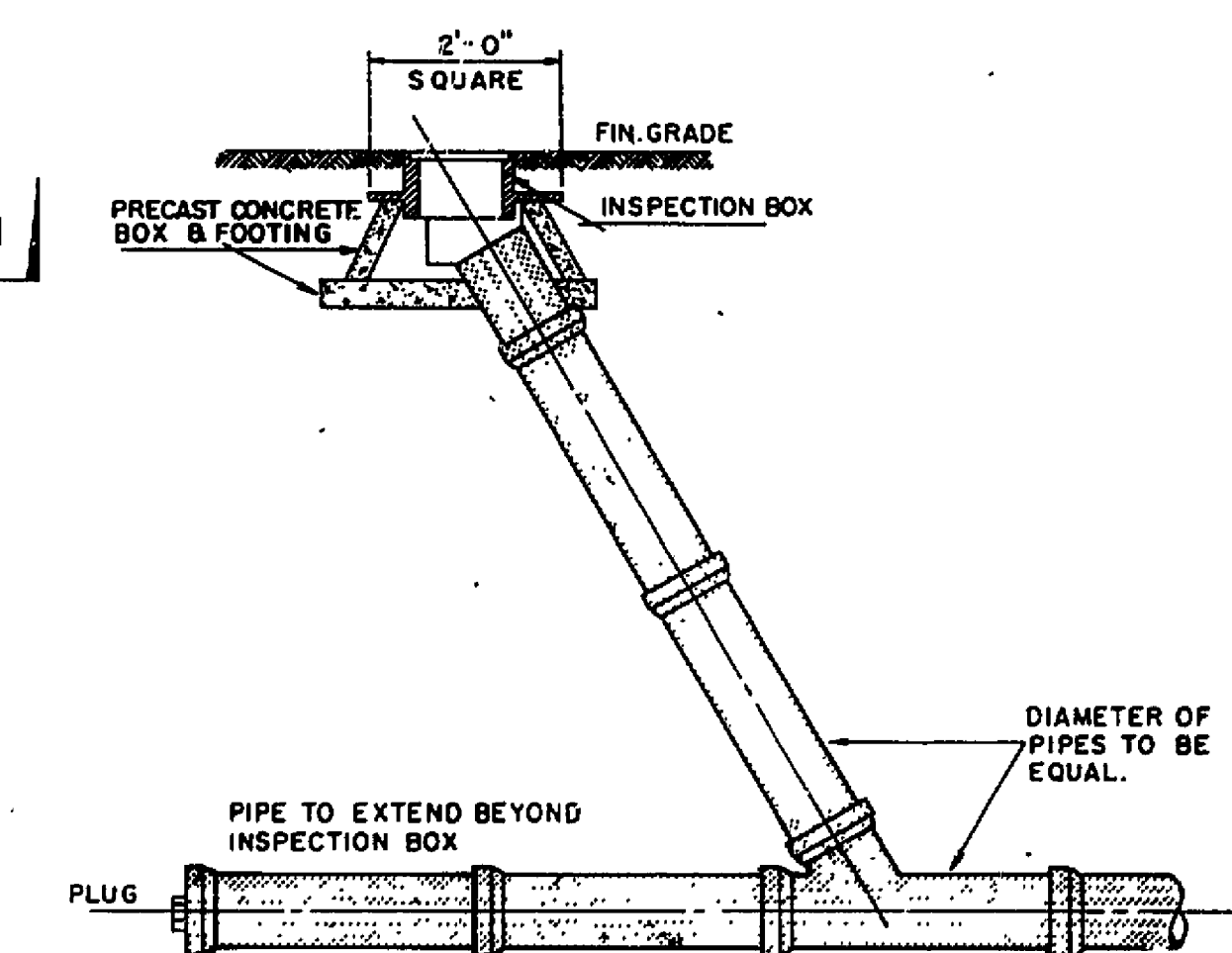


CONCRETE CAP

CONSTRUCTION DETAILS
NOT TO SCALE



STANDARD GRAVEL BEDDING



CLEANOUT CONNECTION DETAIL
NOT TO SCALE

AS BUILT

ROANOKE COUNTY PUBLIC SERVICE AUTHORITY
ROANOKE COUNTY, VIRGINIA
SANITARY CREEK SYSTEM
CARVINS CREEK INTERCEPTOR
PROJECT No. 71-7-S
DETAILS

DES: LANGLEY, McDONALD and OVERMAN
DR: G.E.R.
CK: W.E.C.
CONSULTING ENGINEERS
HUNTERSVILLE, VIRGINIA
SCALE: AS SHOWN
DATE: 10/1/77
SHEET 5 OF 5

