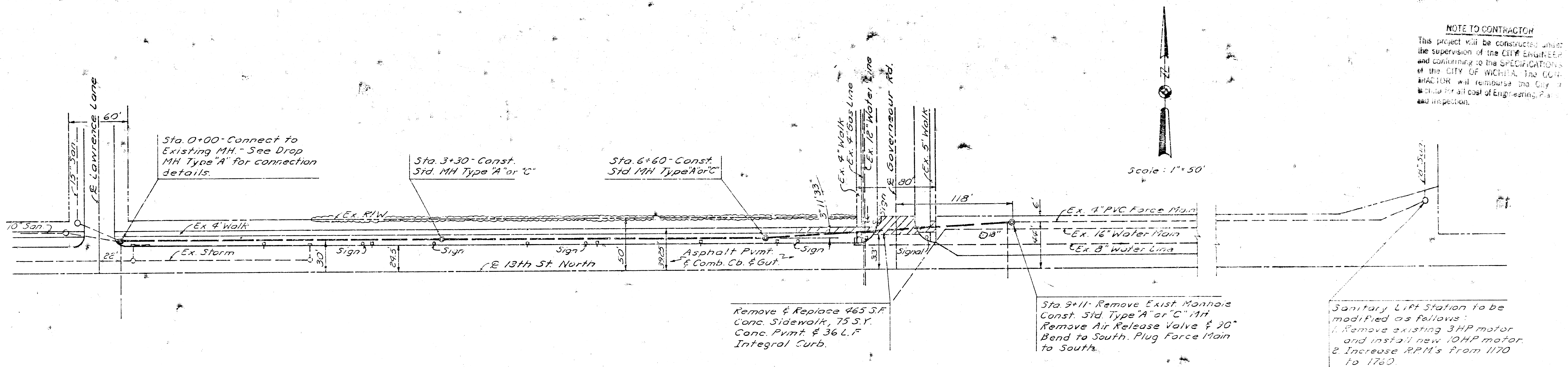


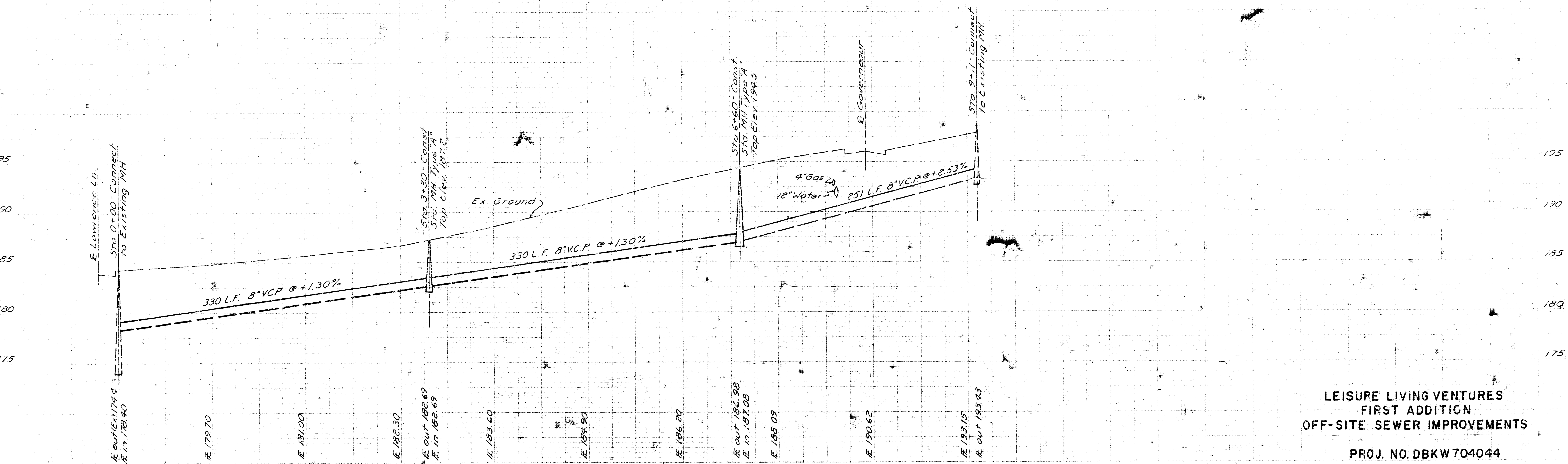


Note: Contractor shall verify the location of all underground utility crossings prior to beginning the trenching operation.

8-1-74

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers D.E.S.
Storm Sewers _____
Driveway Approaches _____

Bench Mark: City Disc - East end of North handrail - W. of Lawrence - Elev. 182.19

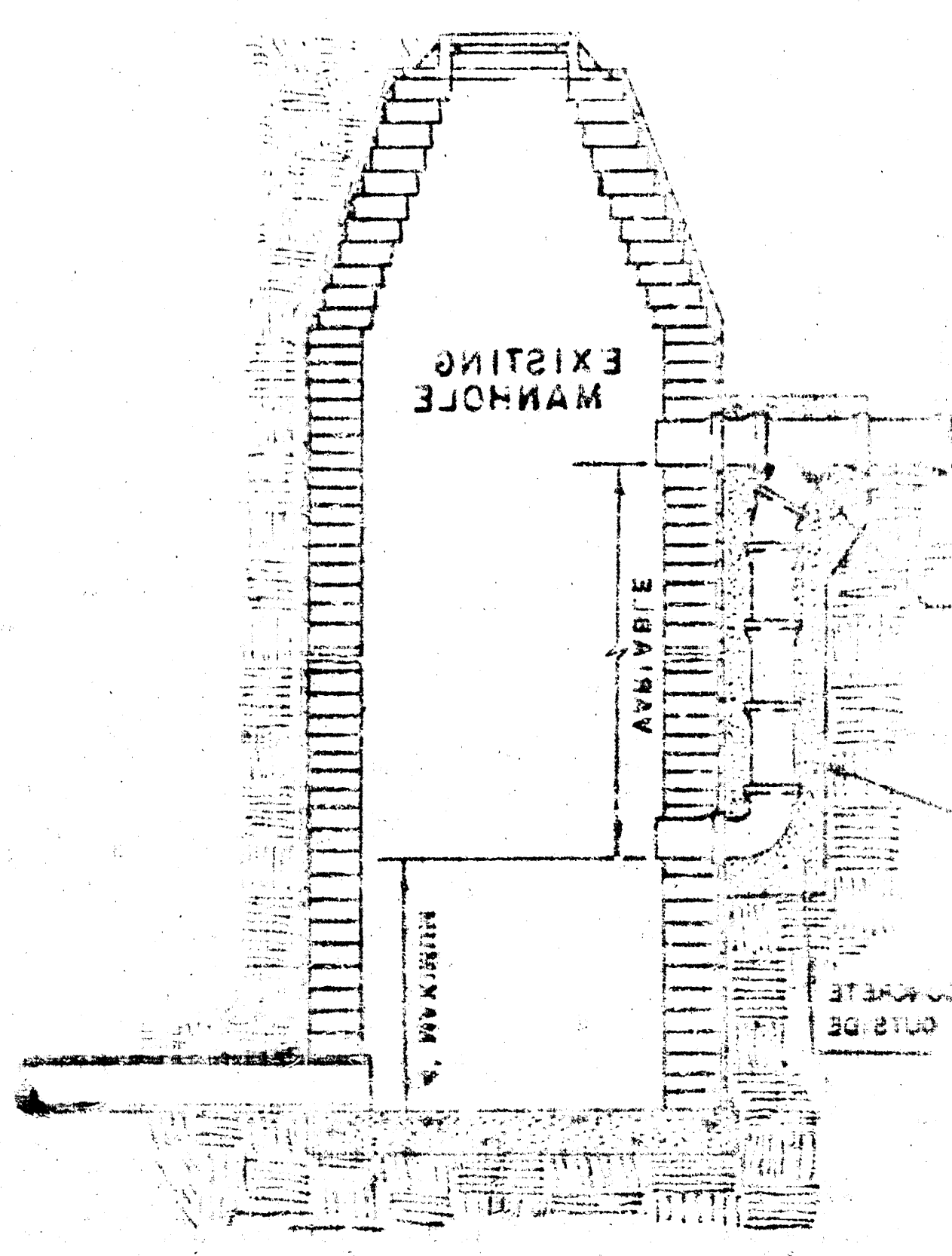


LEISURE LIVING VENTURES
FIRST ADDITION
OFF-SITE SEWER IMPROVEMENTS

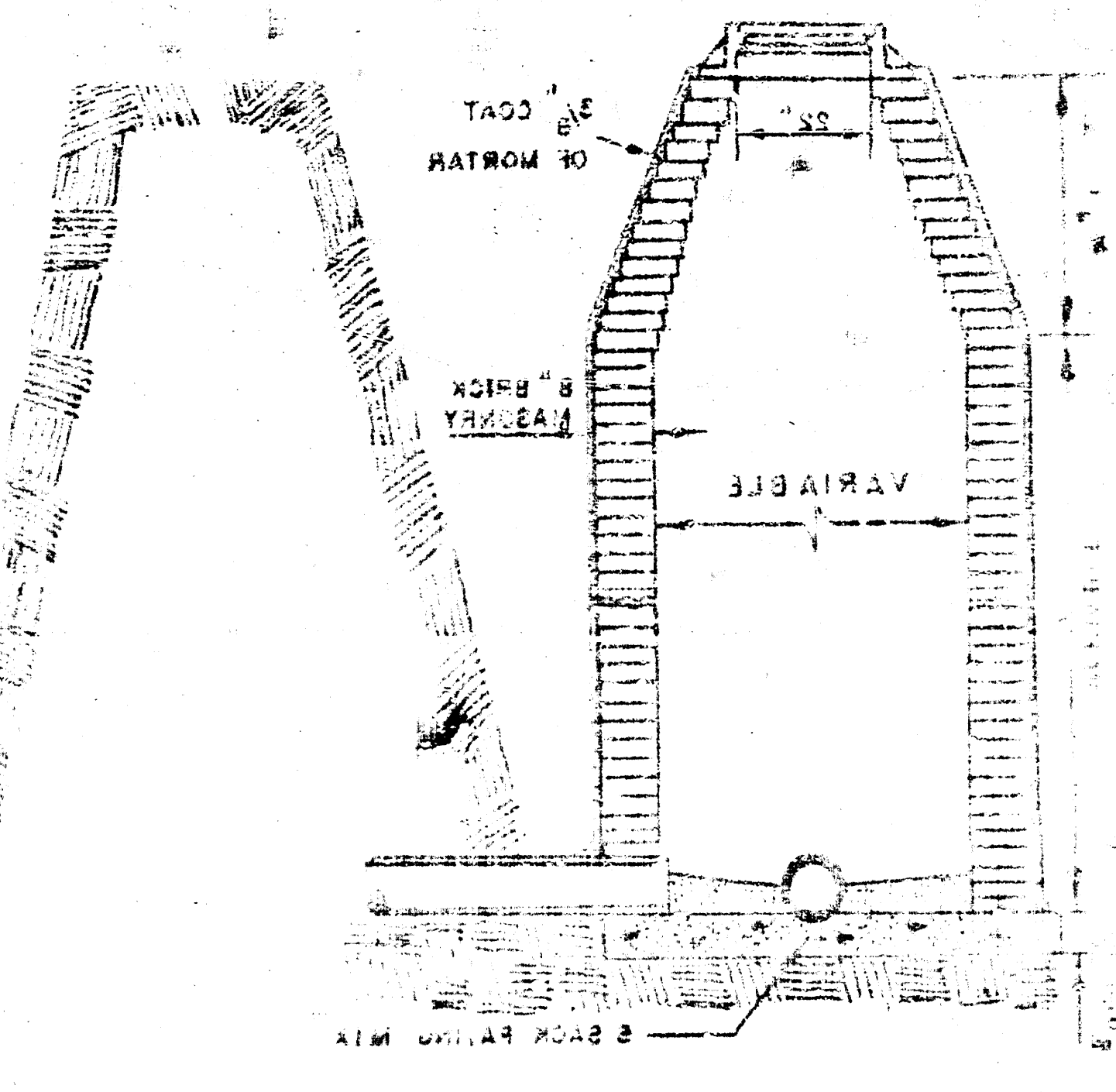
PROJ. NO. DBKW704044

ALL MANHOLES WITH WIDE LARGES
 PRICE AS OUTSIDE DROPS MANHOLES.
 DROPS MANHOLES SHALL BE BID AT ONE
 SINGLE OR DOUBLE OUTSIDE
 STANDARD MANHOLES.
 SHALL BE BID AT ONE PRICE AS
 MANHOLES, REGARDLESS OF DIAMETER,
 STANDARD MANHOLES AND DROPS
 CEMENT PER CUBIC YARD,
 MANHOLES SHALL CONTAIN 8 SACKS OF
 THE CONCRETE USED FOR MORTAR IN
 MANHOLES

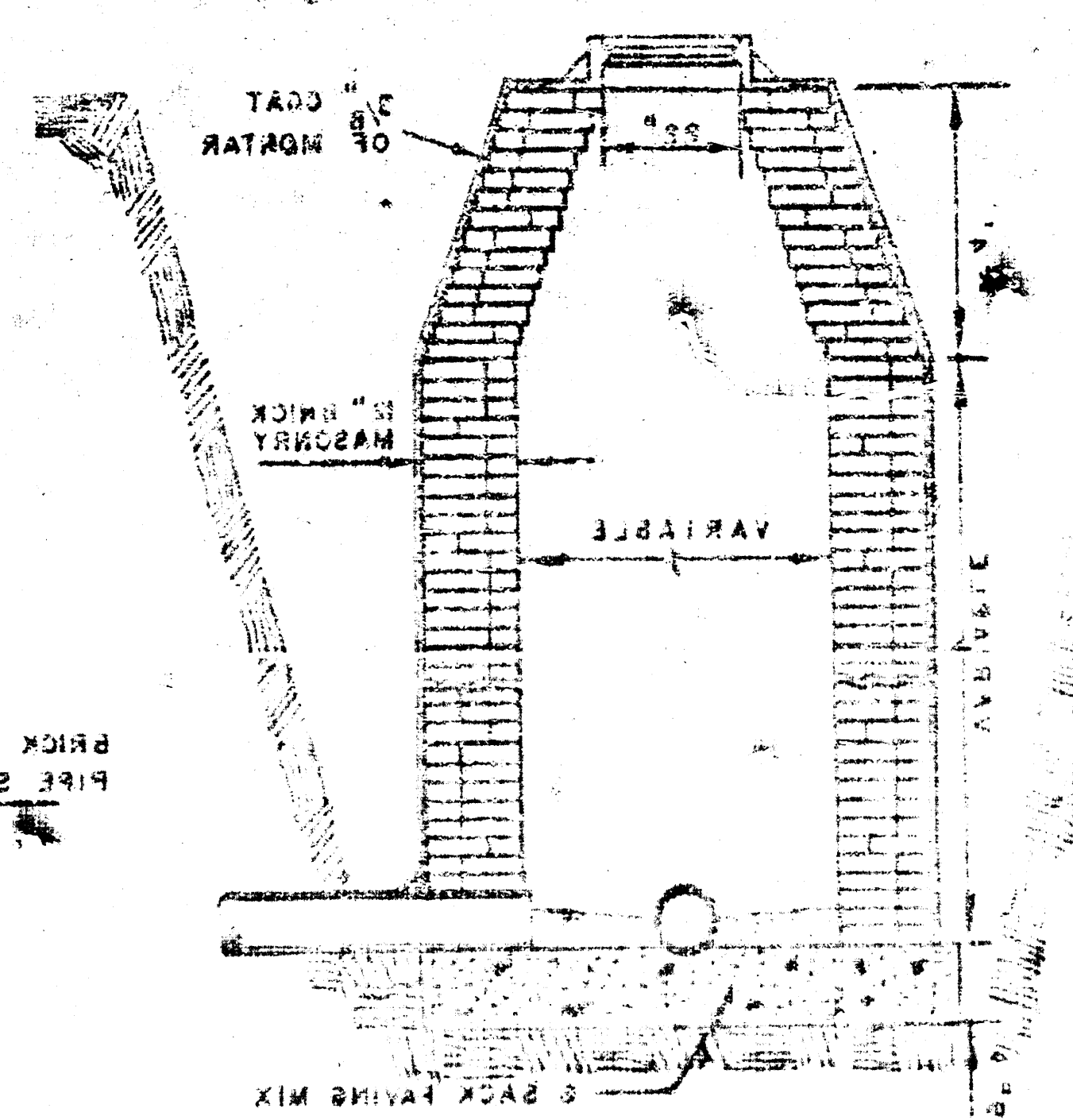
DETAIL OF DROP STACK
 FOR EXISTING MANHOLES IN BRICK WATER



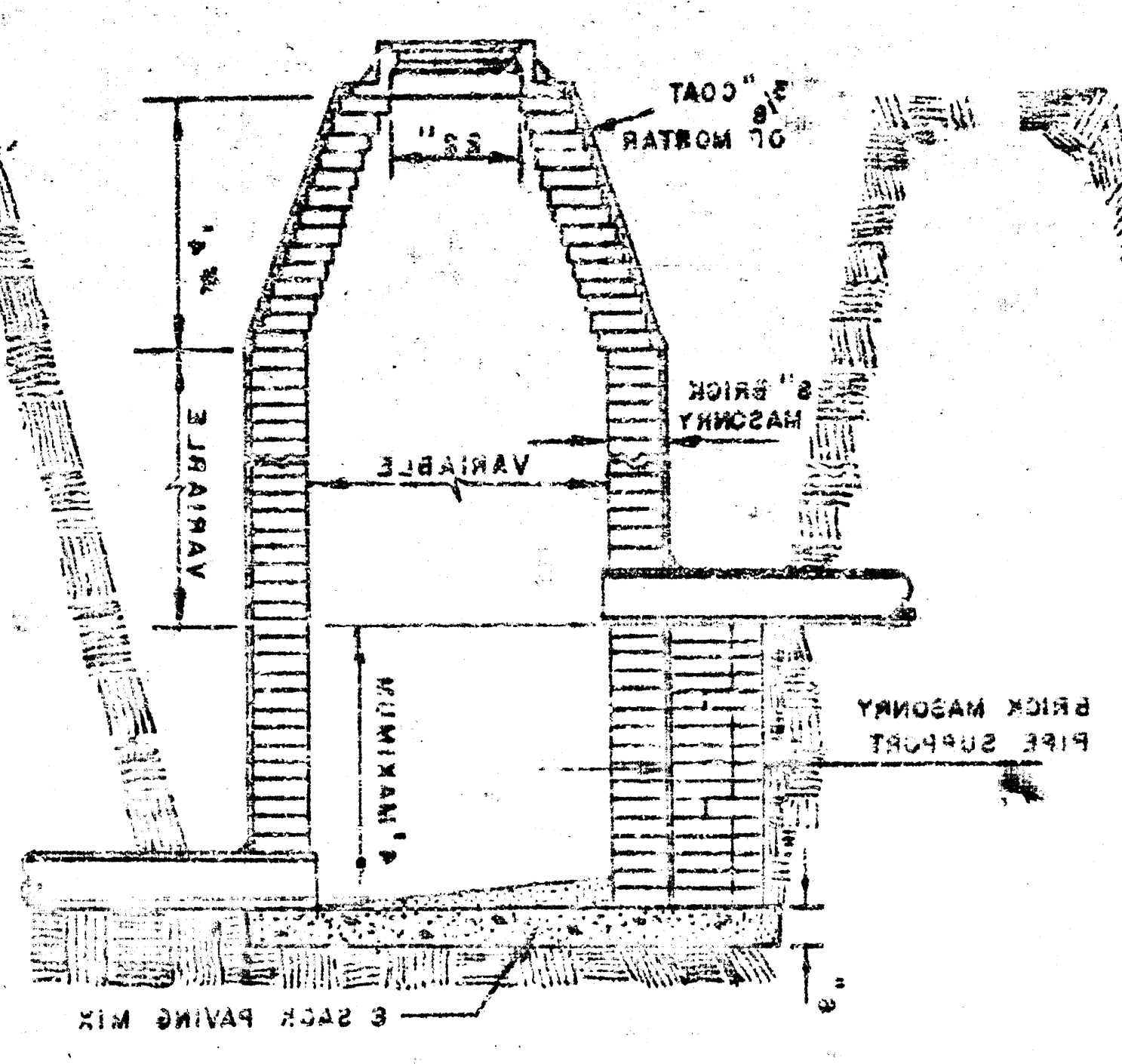
STANDARD MANHOLE
 TYPE "A"



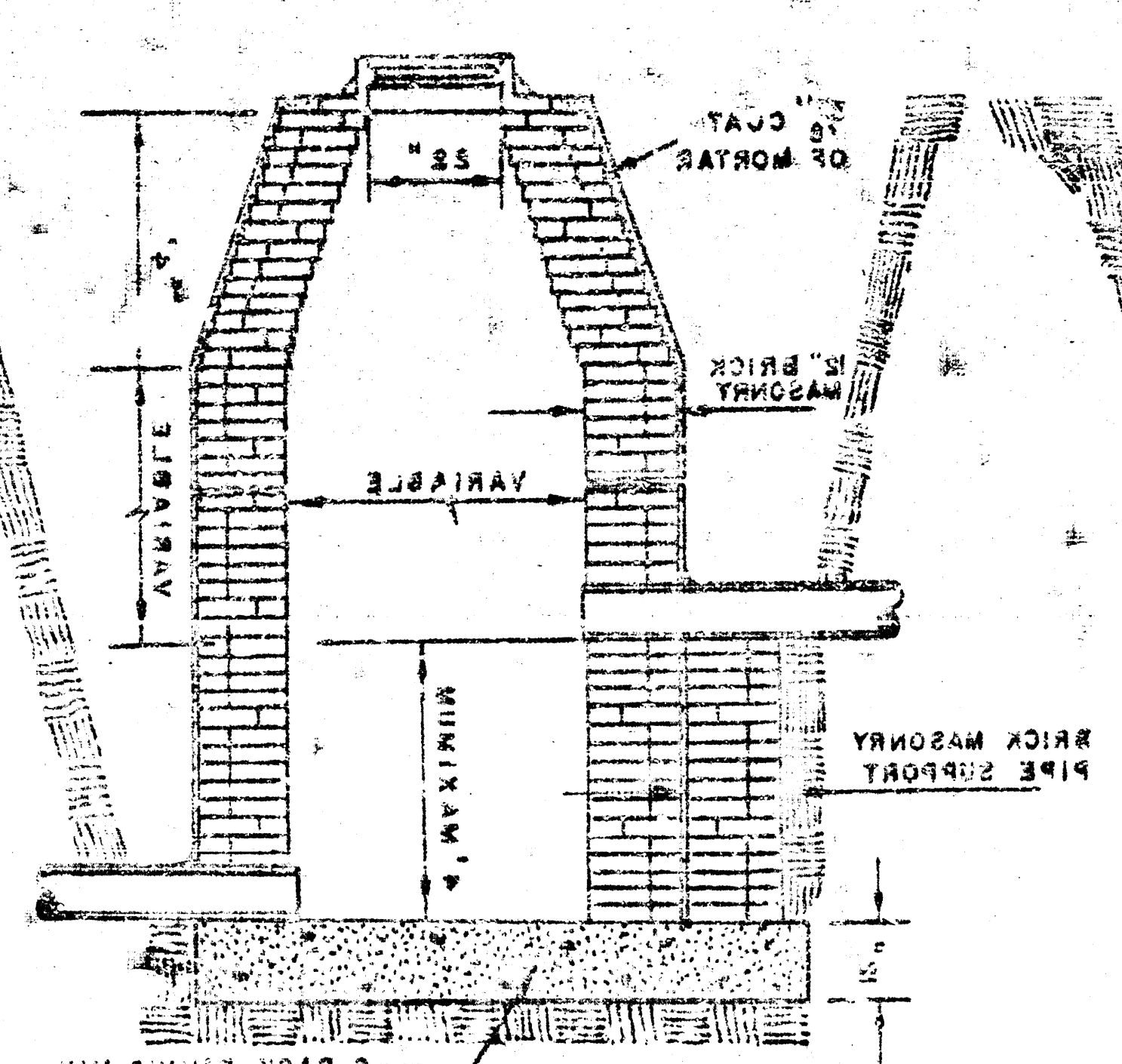
STANDARD MANHOLE
 TYPE "B"



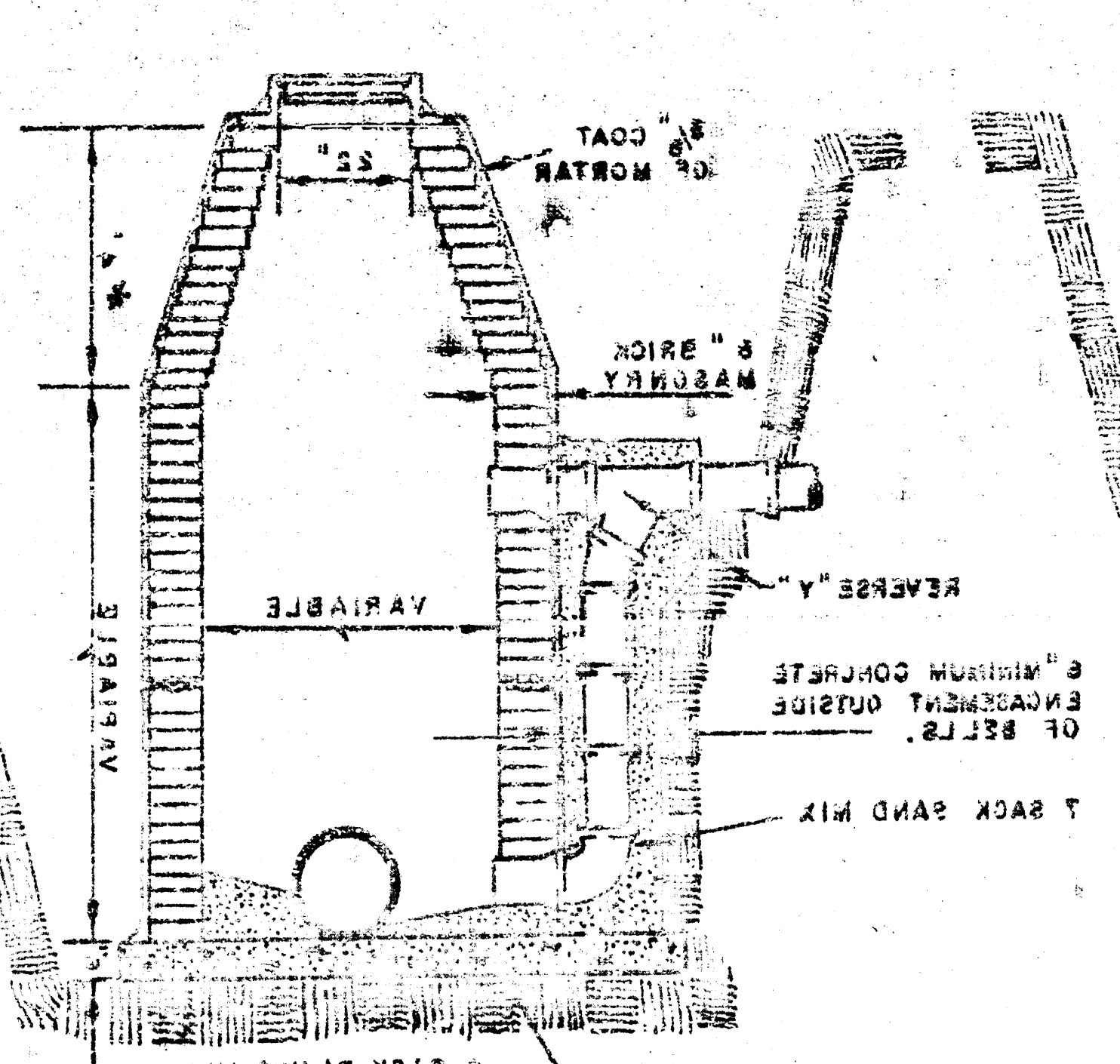
DROP MANHOLE
 TYPE "A"



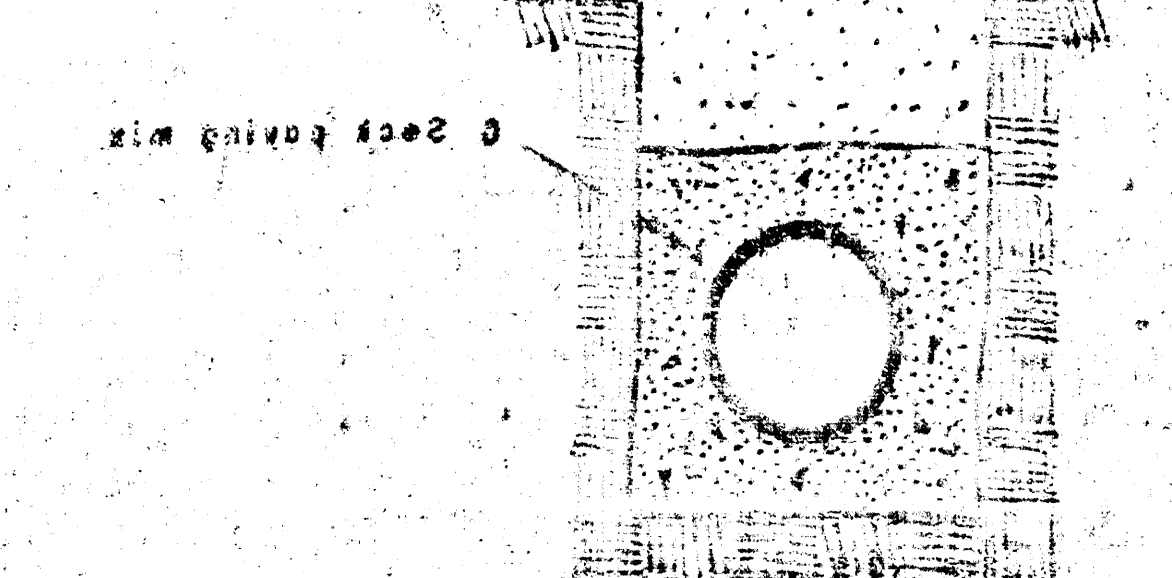
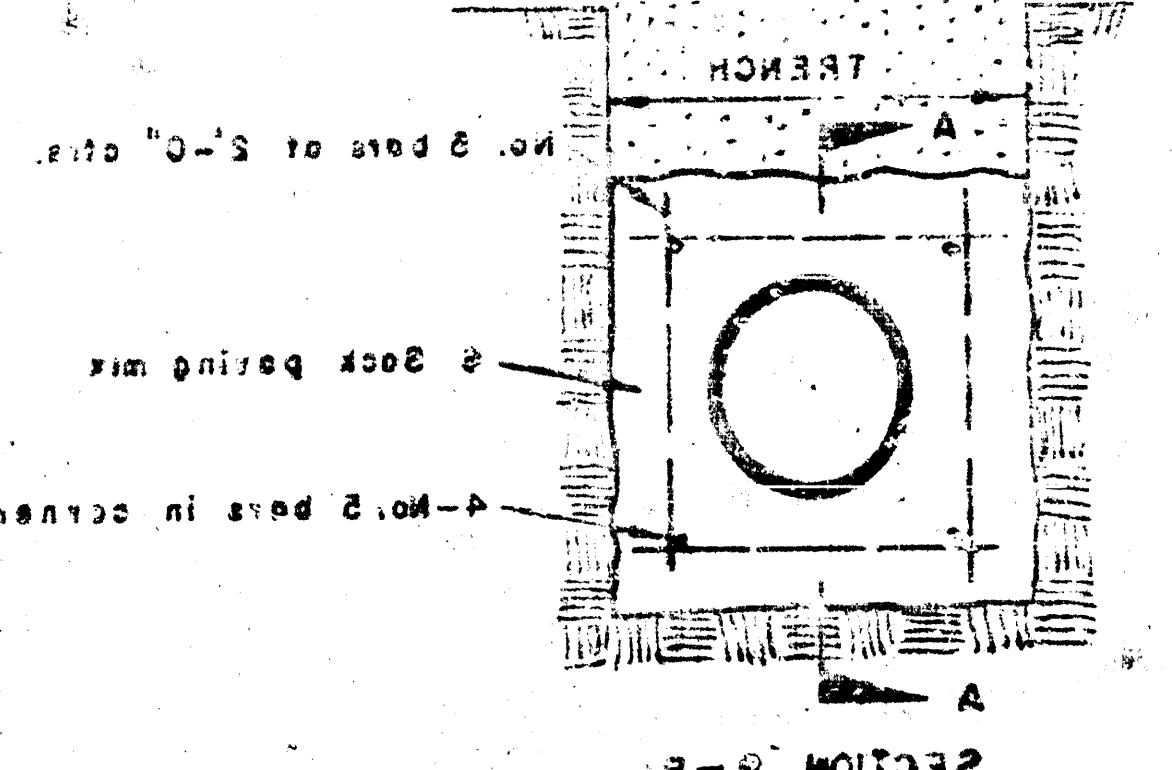
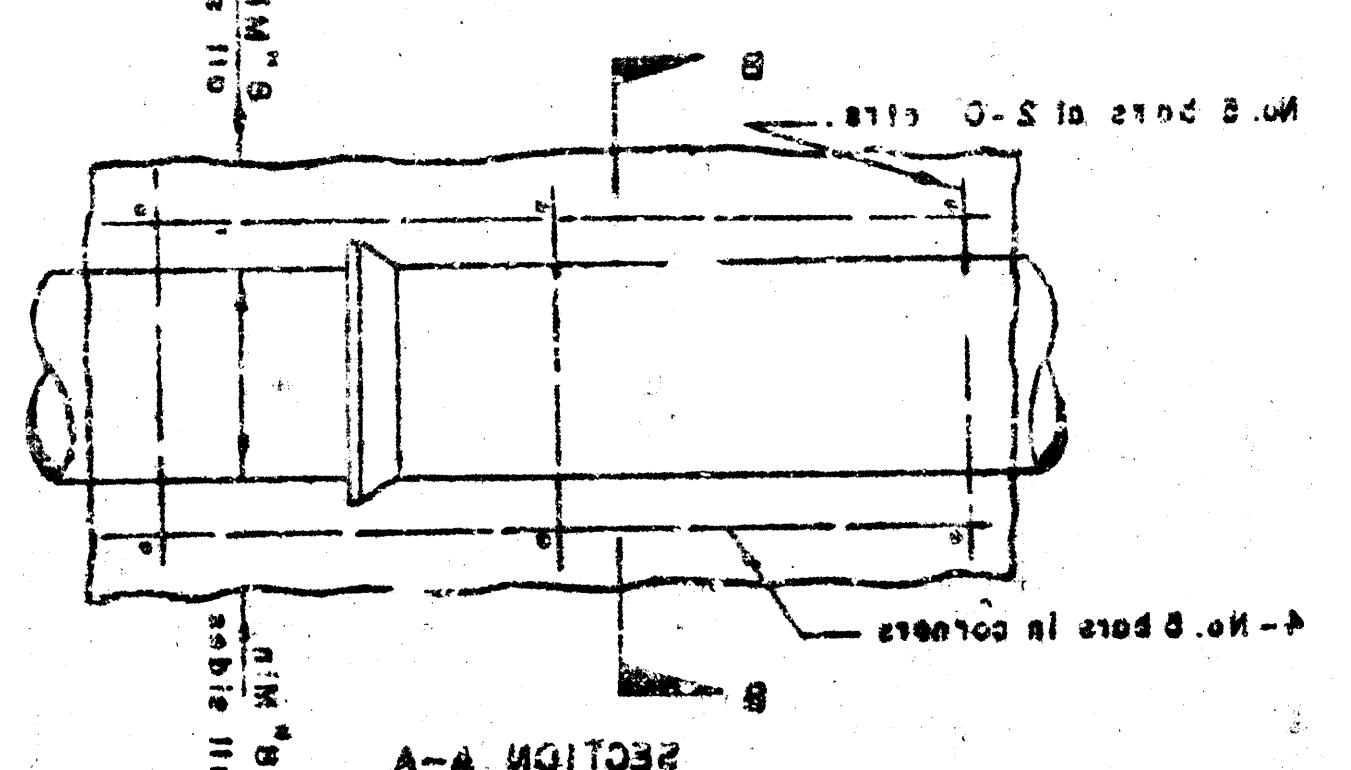
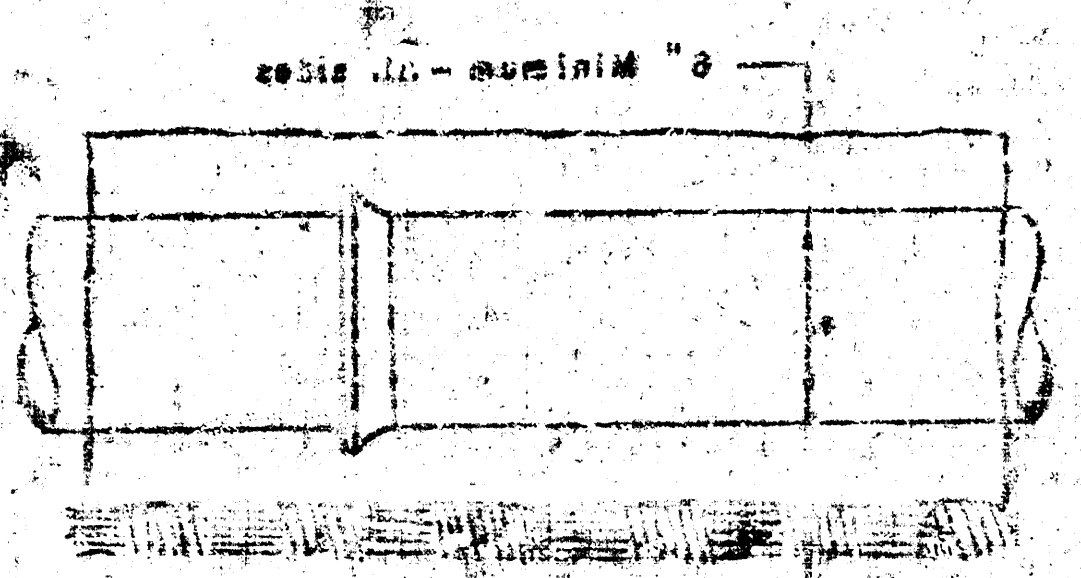
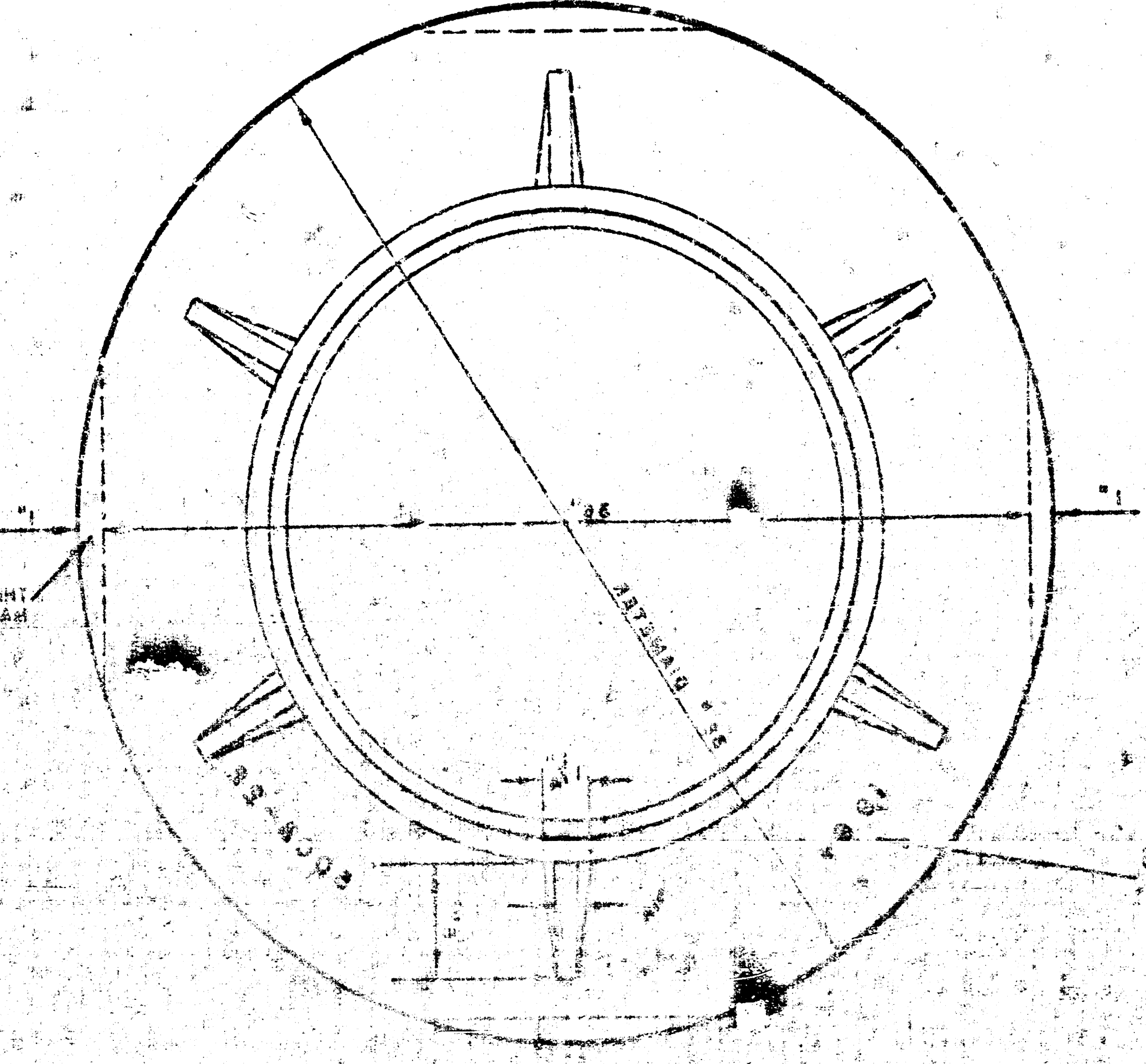
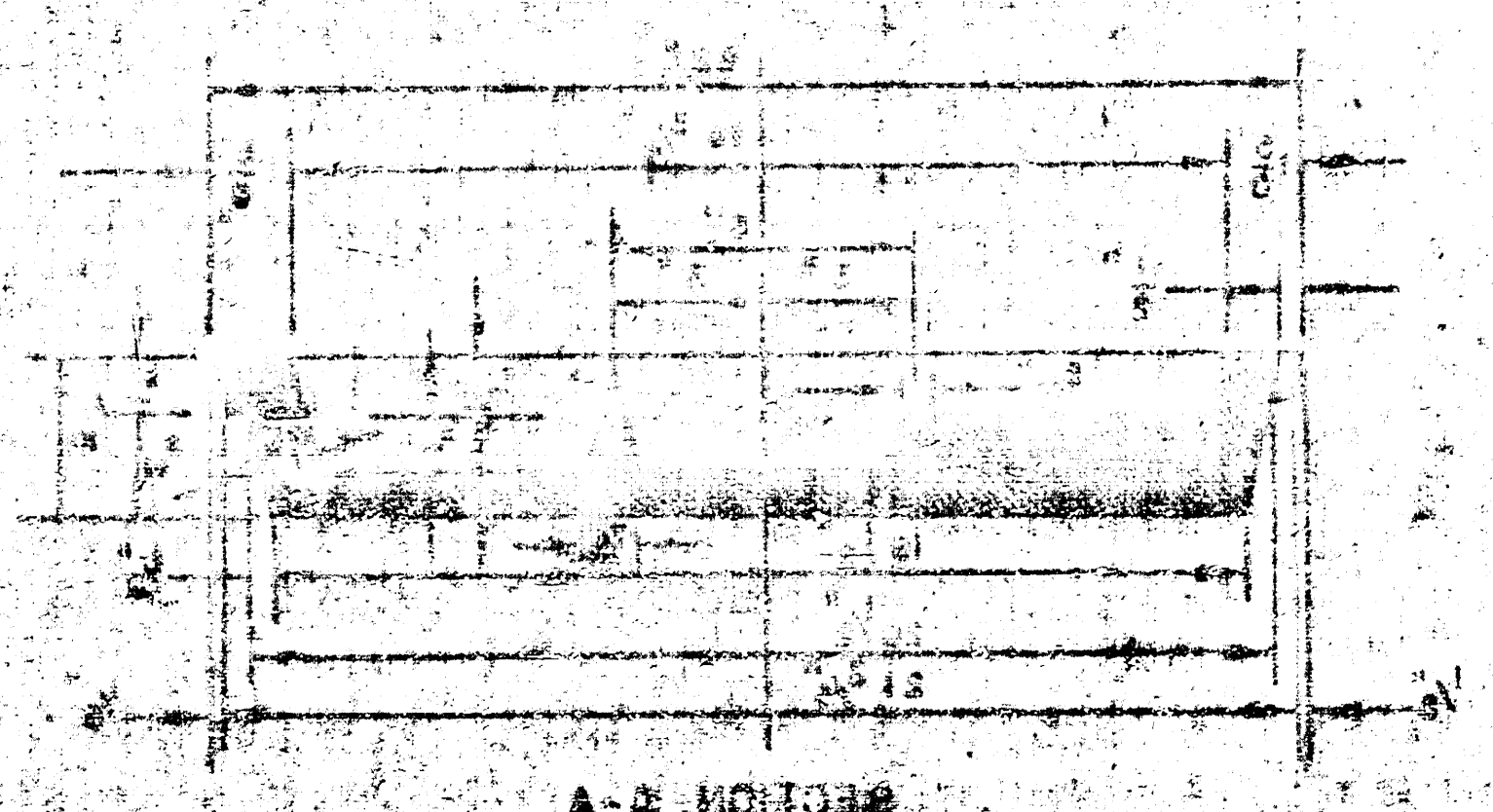
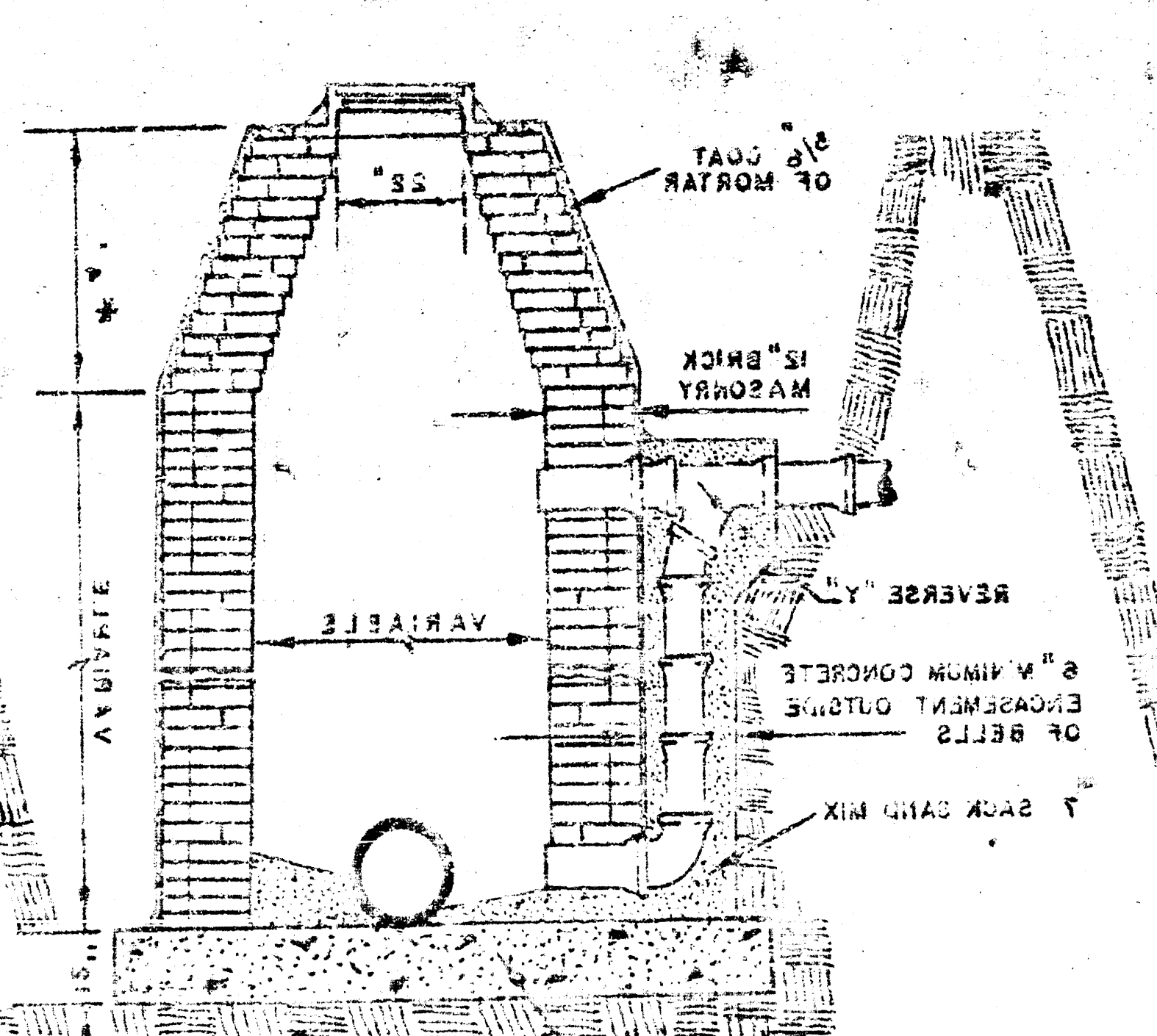
DROP MANHOLE
 TYPE "B"



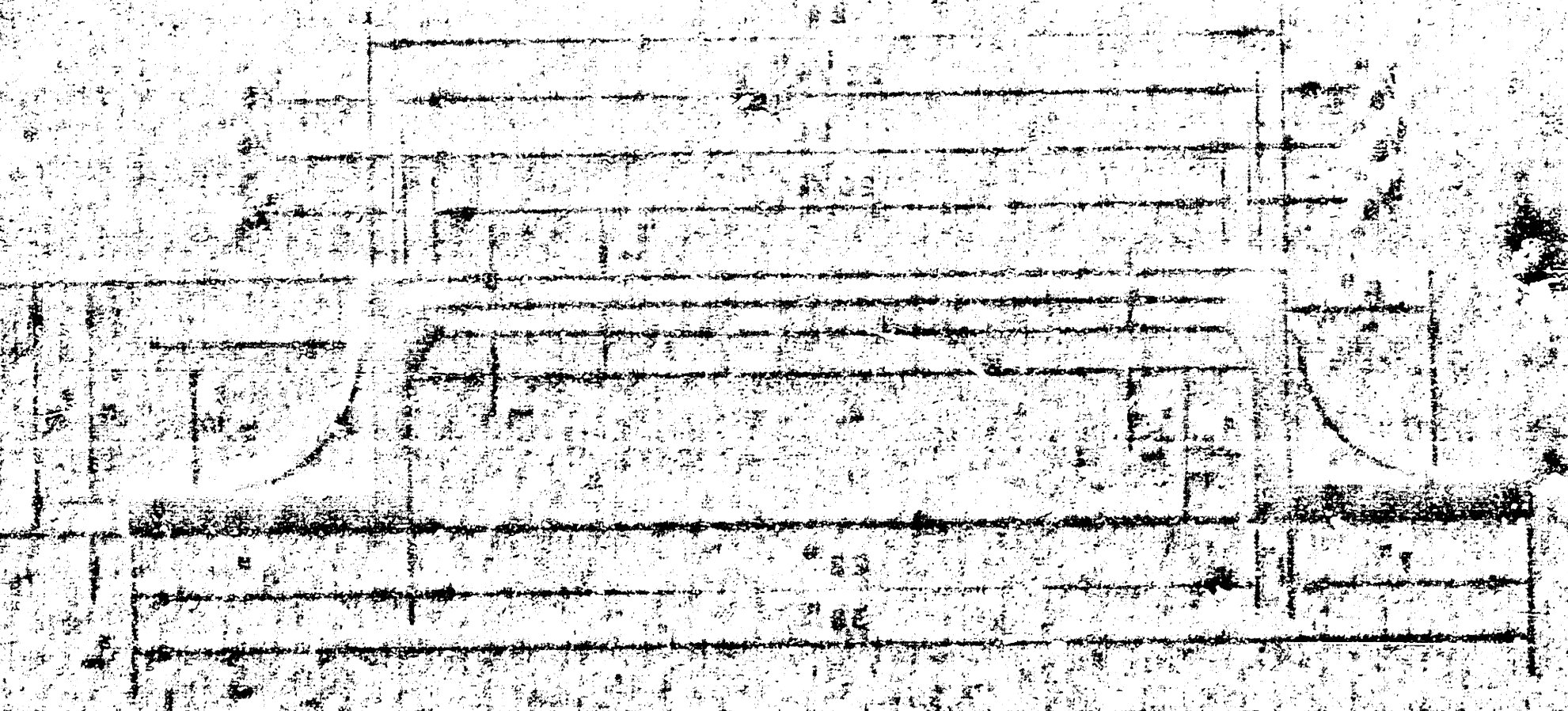
OUTSIDE DROP MANHOLE
 TYPE "A"



OUTSIDE DROP MANHOLE
 TYPE "B"



SEWER APPURTENANCE
 Adopted as standard design
 DETAILS OF
 FOR CLAY PIPE



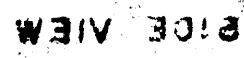
DETAIL OF CONCRETE CHAIR

ORDINARY BEDDING METHOD

YB

ADAPTED AS STANDARD

DETAILED OF



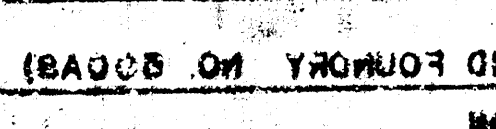
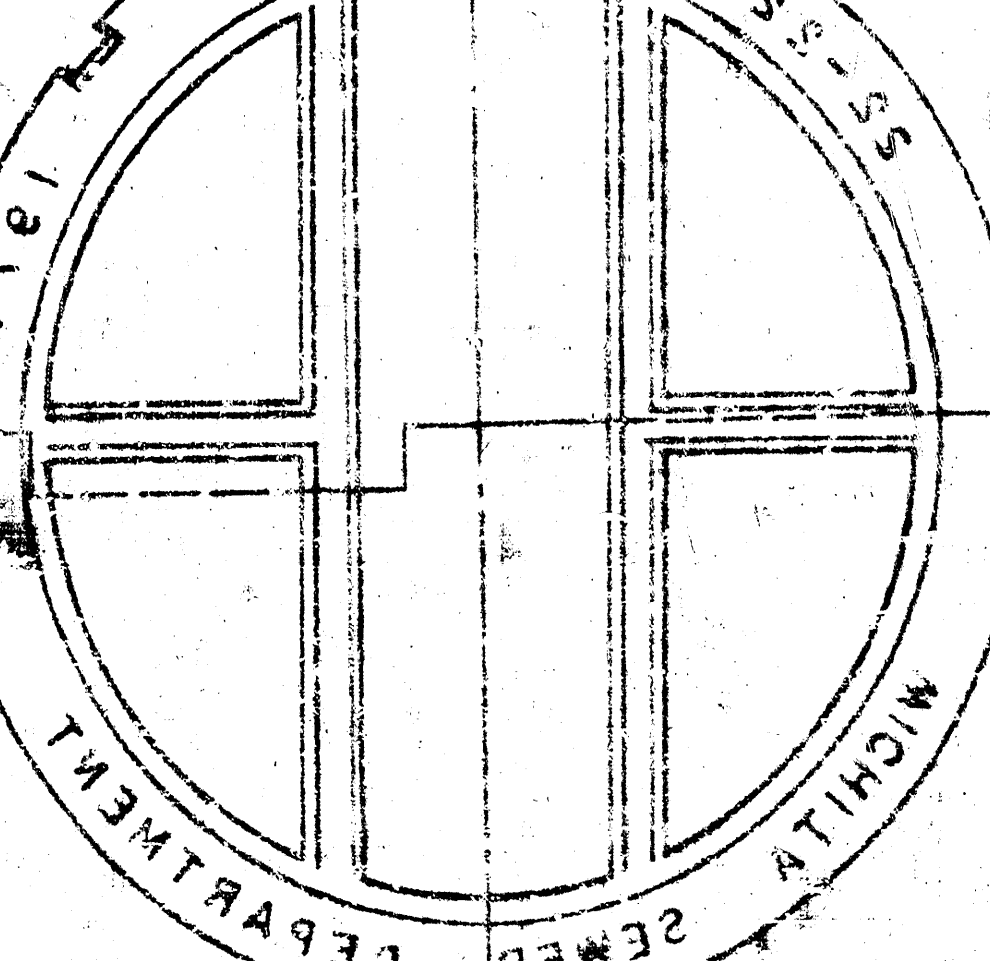
MANHOLE COVER



MANHOLE COVER

WEIGHT 110 LB

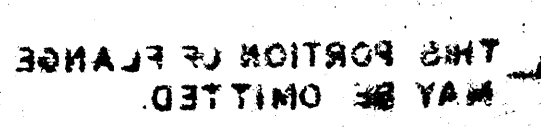
TOP VIEW



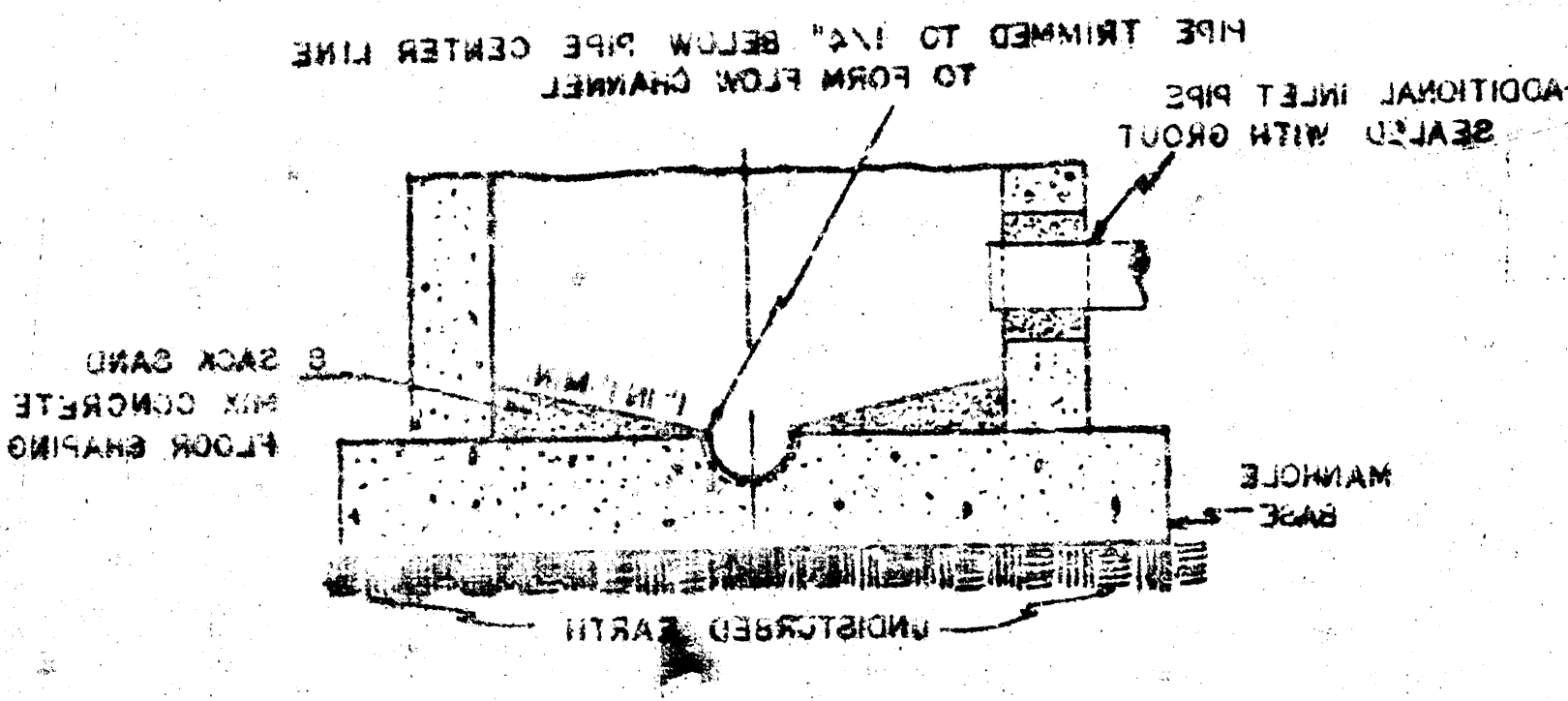
MANHOLLE BRING

WEIGHT 300 LBS RING NO. 200A2
WEIGHT 352 LBS RING NO. 200A

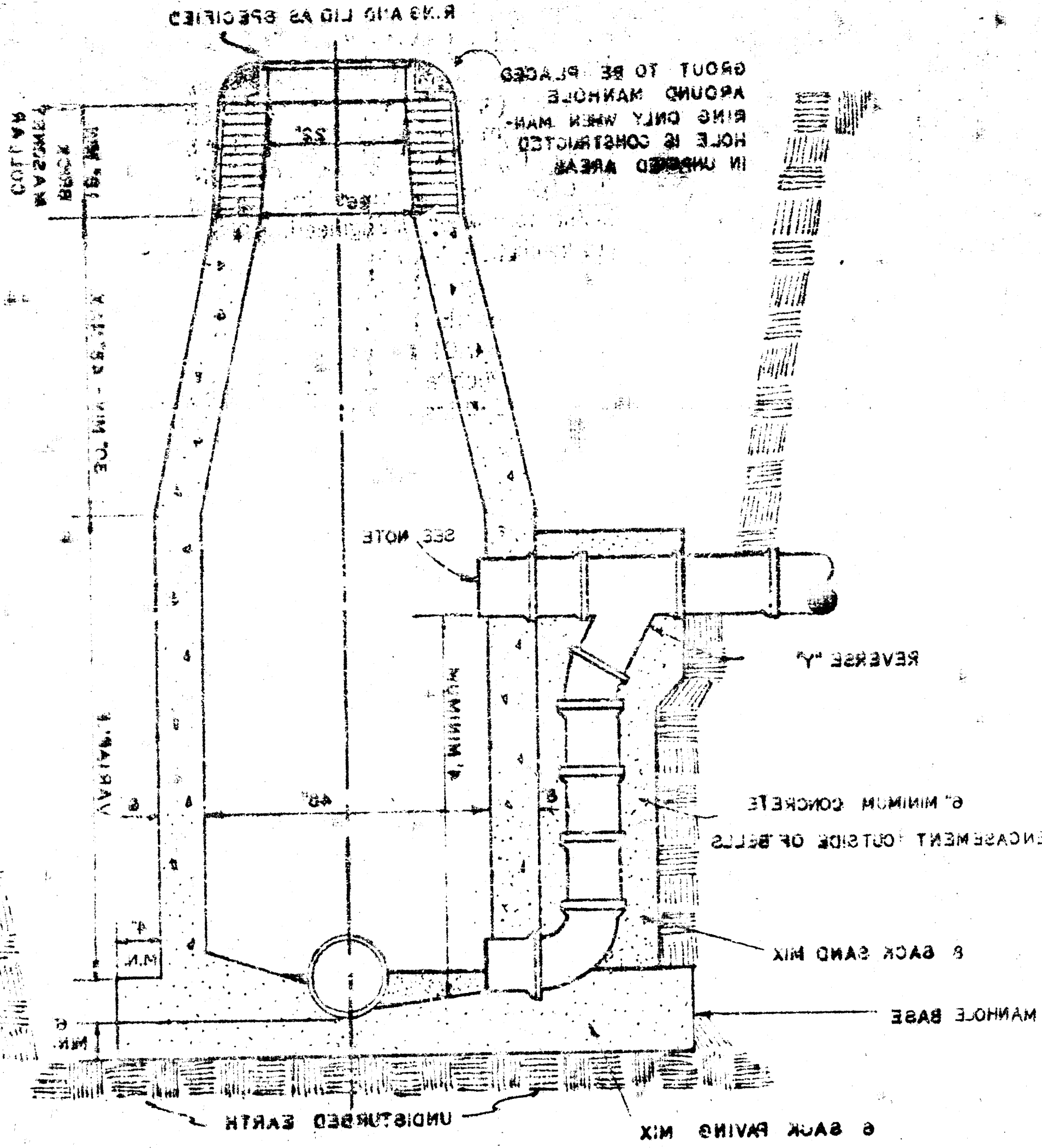
AND THE INNER FACE AND SEAT OF
OUTSIDE CIRCUMFERENCE OF COVER



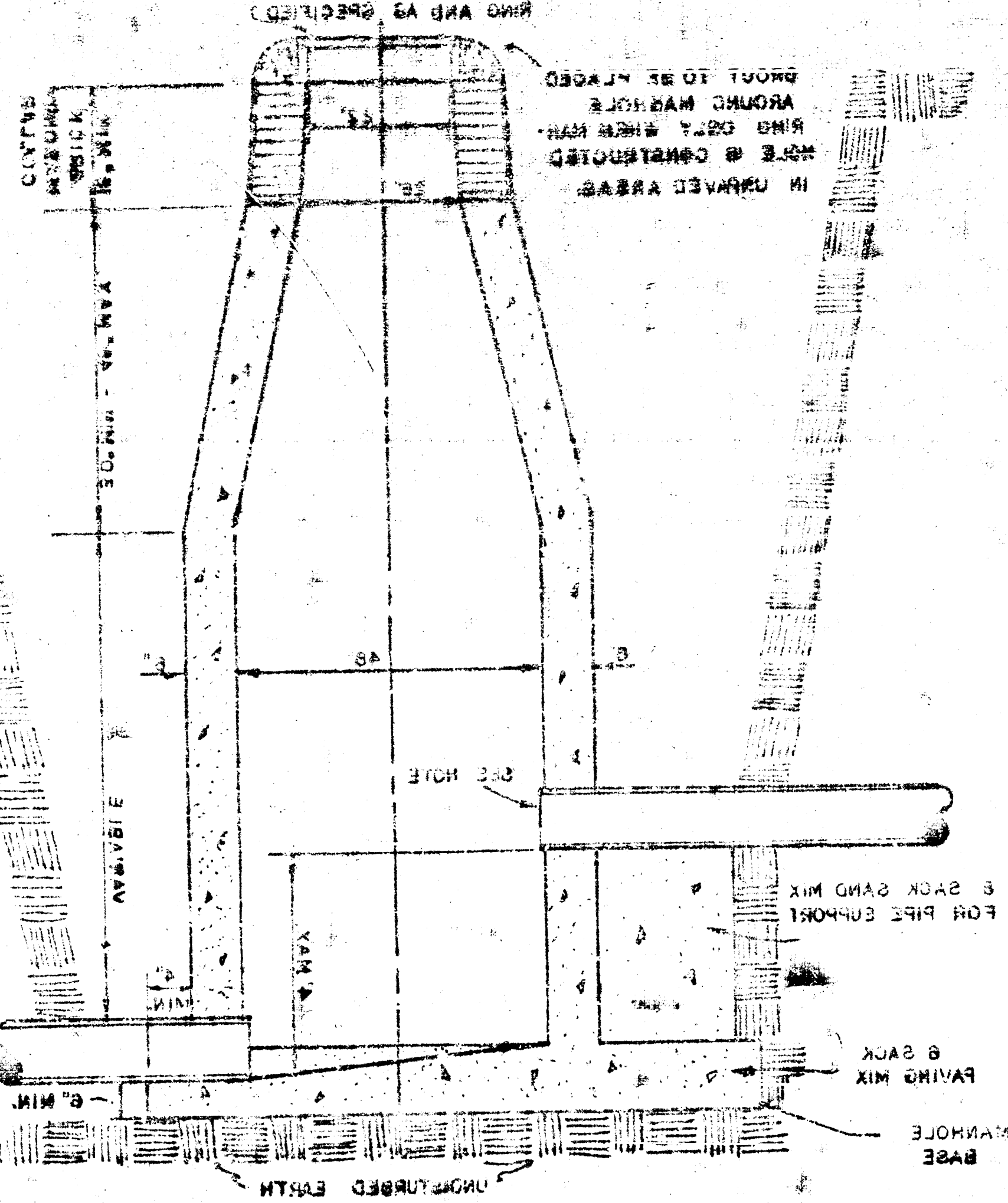
SECTIONAL ELEVATION-INVERT



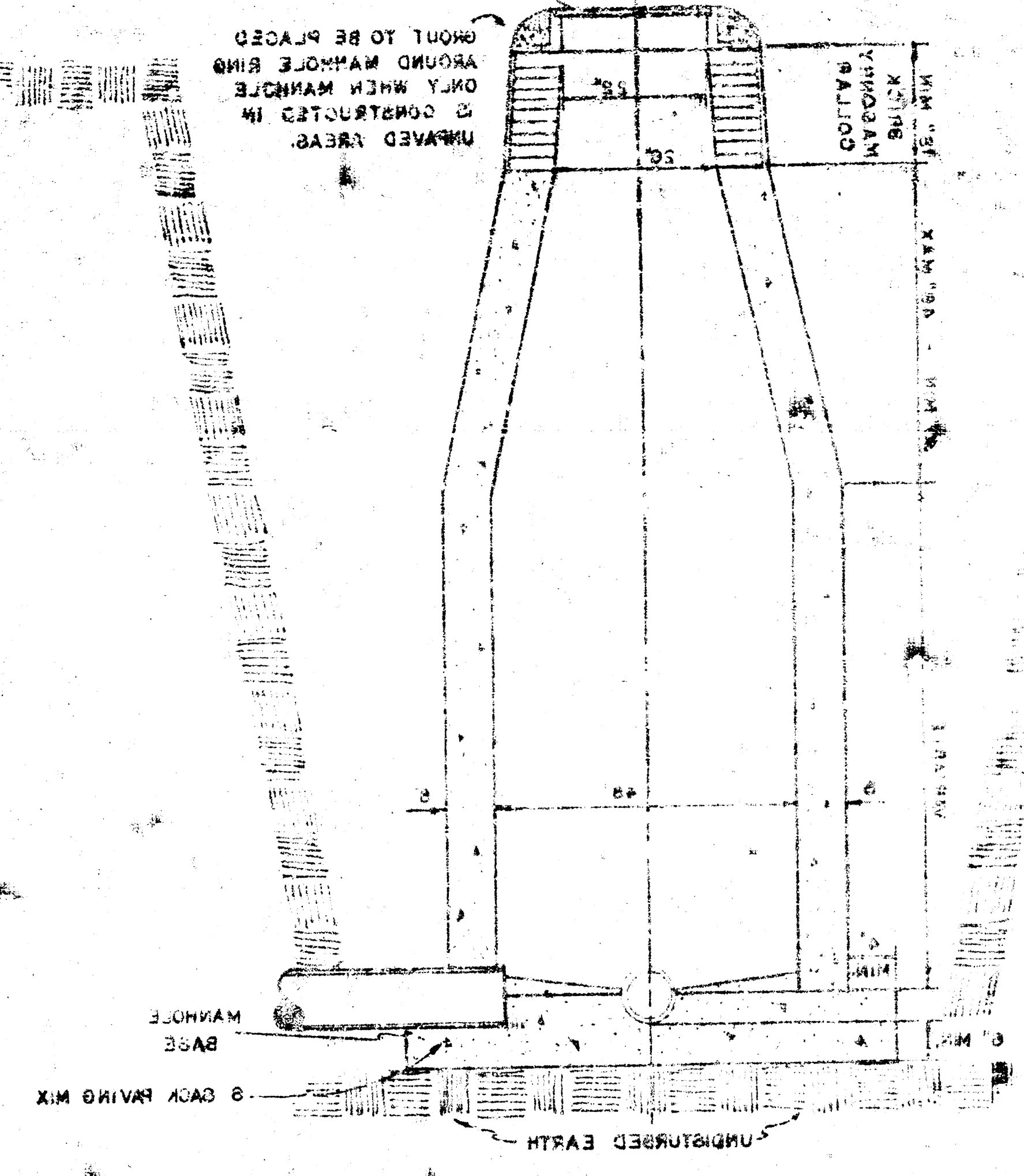
COATING.
BE SEALED WITH APPROVED
TO COMPLETED CONNECTION TO
SHRINKING GROUT. EXTERIOR
GROUTED IN PLACE WITH NON-
CUT IN MANHOLE WALL AND PIPE
NOTE: OPENING FOR INLET PIPE



OUTSIDE DROP MANHOLE, TYPE "C"



DRIP HANNGLE, TYPE "C"



STANDARD MANHOLE, TYPE "C"

GENERAL NOTES

PER CUBIC YARD.
MORTAR SHALL CONTAIN 8 BAGS OF C
MORTAR USED IN MASONRY, CONST

INDICATED.
HOLES FOR THE TYPE AND DIAMET
"C" SHALL BE 8/32 STANDARD
AND STANDARD DROP MANHOLES
STANDARD MANHOLES TYPE

24" SHALL BE 5FT DIAMETER.
WITH PIPE SIZES LARGER THAN
INDICATED OTHERWISE. MANHOLES
DIAMETERS WILL BE 4FT UNLESS
DIAMETER INDICATED. ALL MANHOLES
DROP MANHOLES FOR THE TYPE AND
SHALL BE BID AS STANDARD OUTSIDE
OUTSIDE DROP MANHOLES TYPE "

SAND MIX CONCRETE.
HYDRAULIC EFFICIENCY USING 8 SA
SHALL BE SHAPED TO INCREASE
THE FLOORS OF ALL MANHOLES

CRETE BARREL.
REQUIRE MODIFICATION OF THE CON-
CRETE BARREL.
WHICH MAY BE NECESSARY WILL NOT
OF THE MANHOLE TOP ELEVATION
IS OBVIOUS THAT ANY ADJUSTMENT
GAS AND IN LOCATIONS WHERE IT
FORMATION OF HYDROGEN SULFIDE
DETERIORATION OF CONCRETE DUE TO
ONLY ON SEWERS NOT SUBJECT TO
MANHOLES ARE TO BE CONSTRUCTED
CAST IN PLACE CIRCULAR CONCRETE