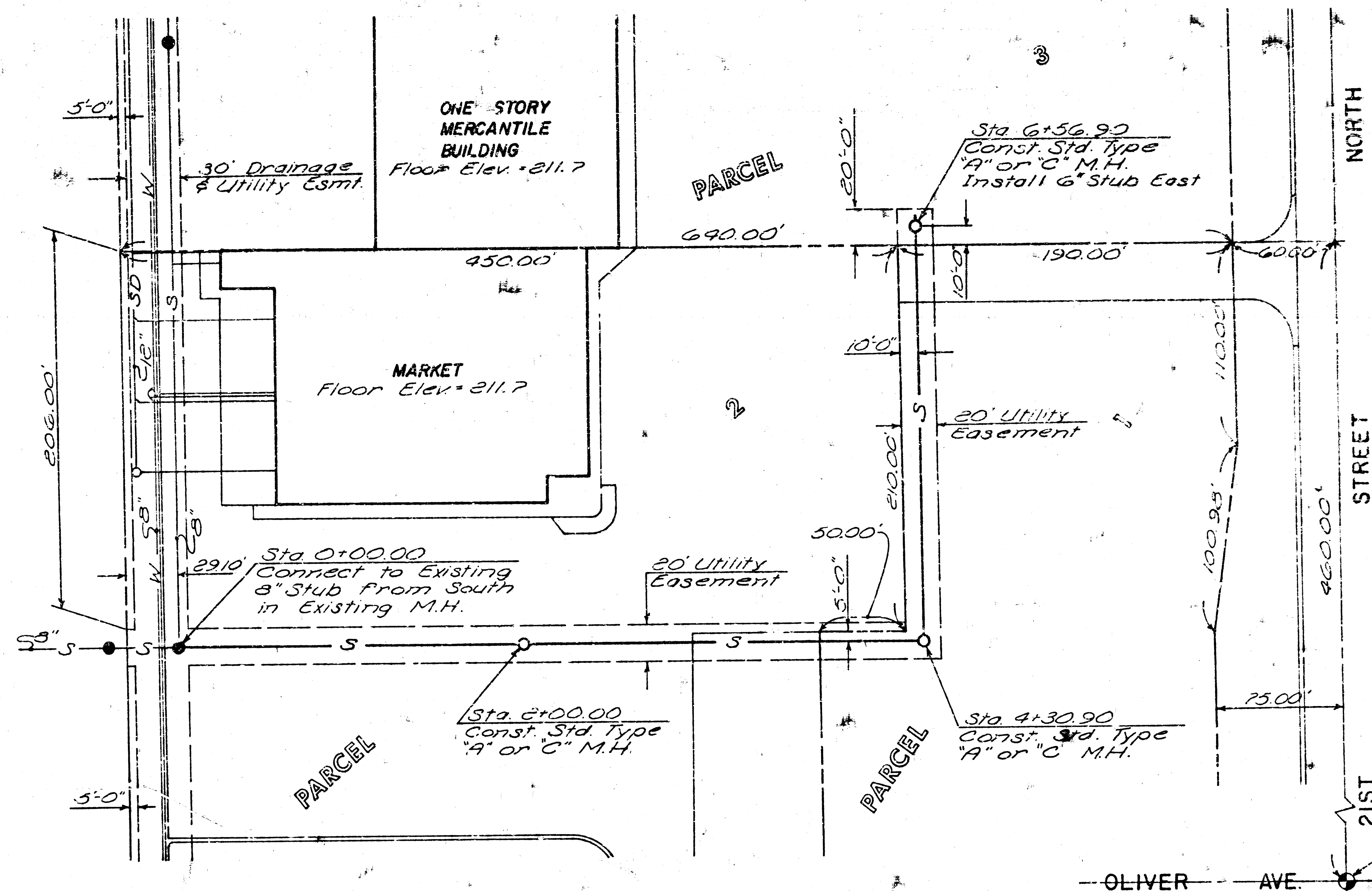
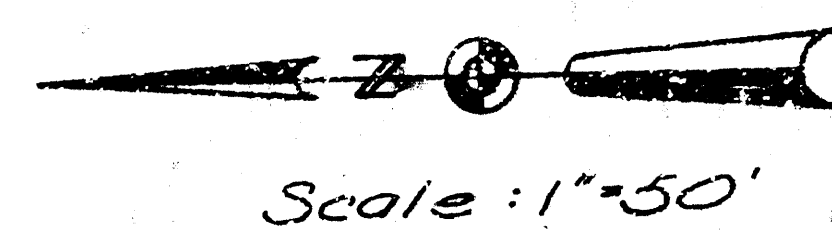
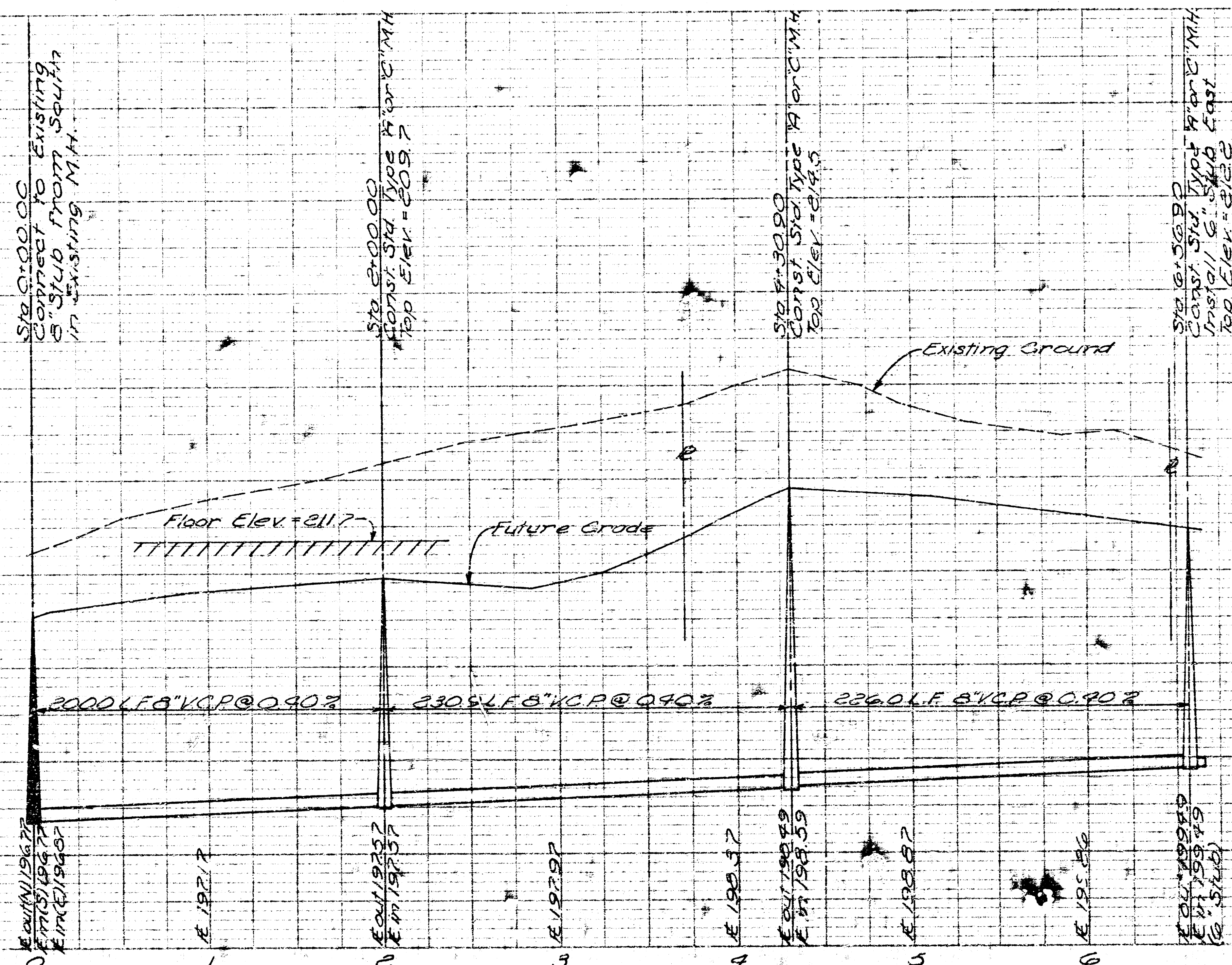




1-25-77
 APPROVED AS NOTED
 By CITY ENGINEER OF WICHITA
 Sanitary Sewers D.E.S.
 Storm Sewers _____
 Driveway Approaches _____

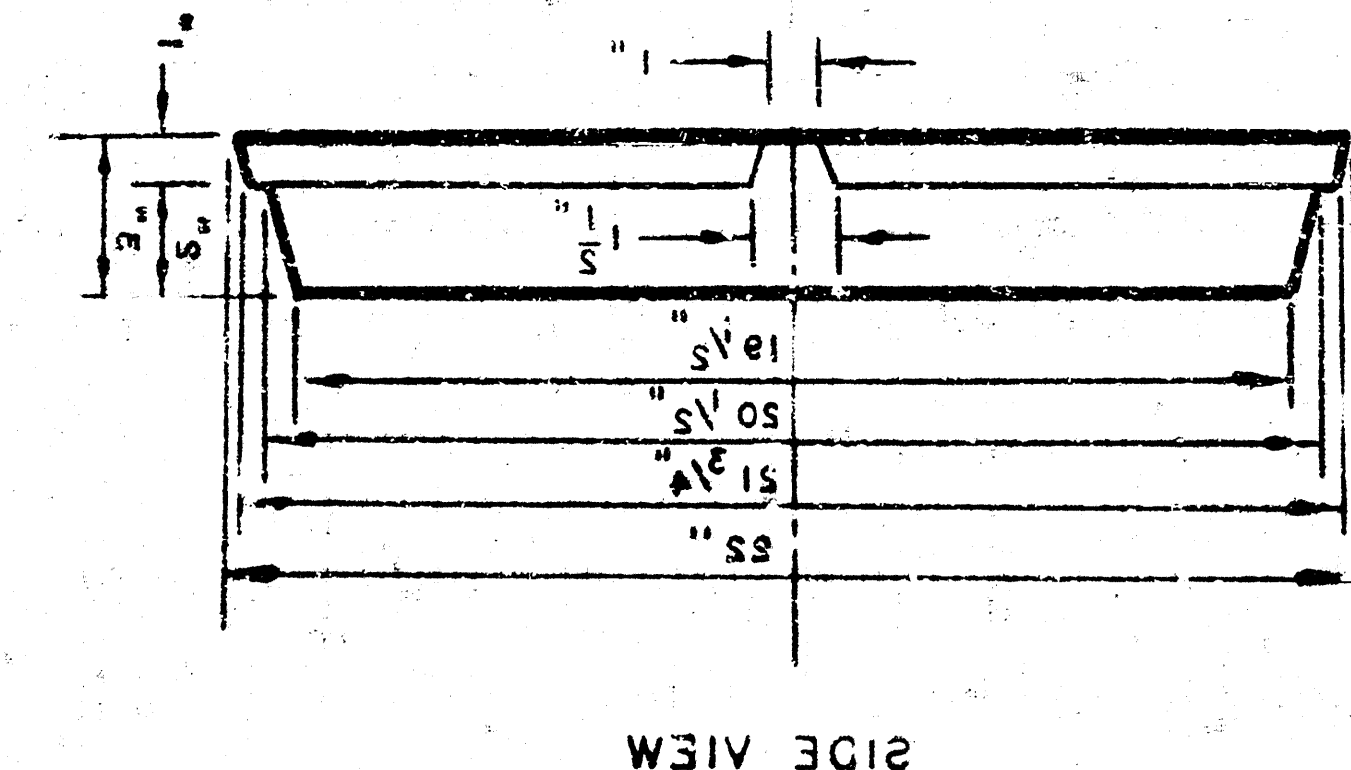
NOTE TO CONTRACTOR
 This project will be constructed under
 the supervision of the CITY ENGINEER
 and conforming to the specifications of
 the CITY OF WICHITA, KANSAS. The CITY
 ENGINEER is not responsible for the
 accuracy of the data furnished by the
 owner for all cost of construction
 and inspection.



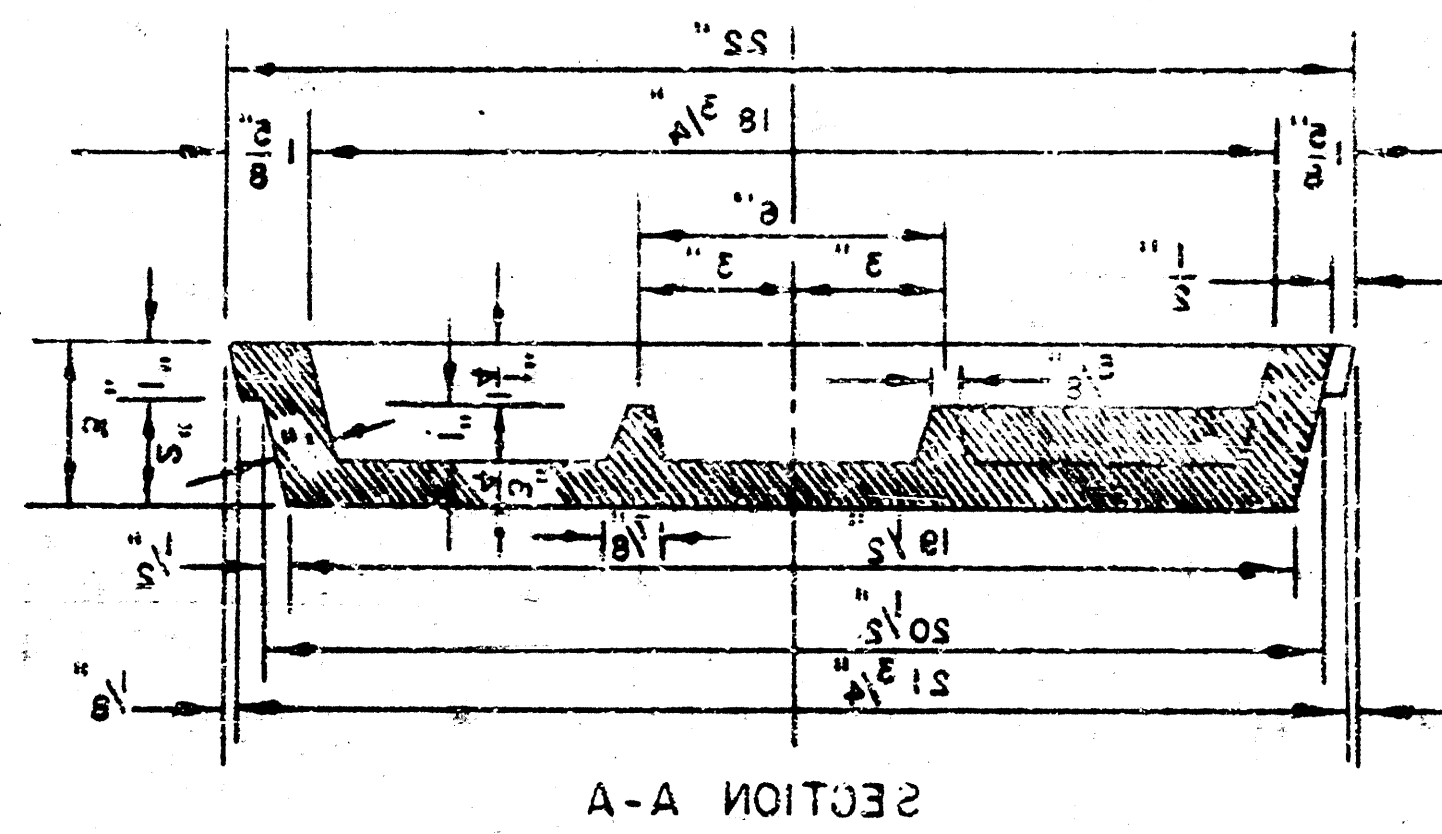
University Gardens
 21st & Oliver

MANHOLES
 THE CONCRETE USED FOR MORTAR IN
 MANHOLES SHALL CONTAIN 8 SACKS OF
 CEMENT PER CUBIC YARD.
 STANDARD MANHOLES AND DROP
 MANHOLES, REGARDLESS OF DIAMETER,
 SHALL BE BID AT ONE PRICE AS
 STANDARD MANHOLES.
 SINGLE OR DOUBLE OUTSIDE
 DROP MANHOLES SHALL BE BID AT ONE
 PRICE AS OUTSIDE DROP MANHOLES.
 ALL MANHOLES WITH FIFES LARGER
 THAN 24" SHALL BE 5' DIAMETER UNLESS
 OTHERWISE SPECIFIED ON PLAN. ALL M.M.'S
 WITH FIFES 24" & SMALLER SHALL BE 4' DIA.

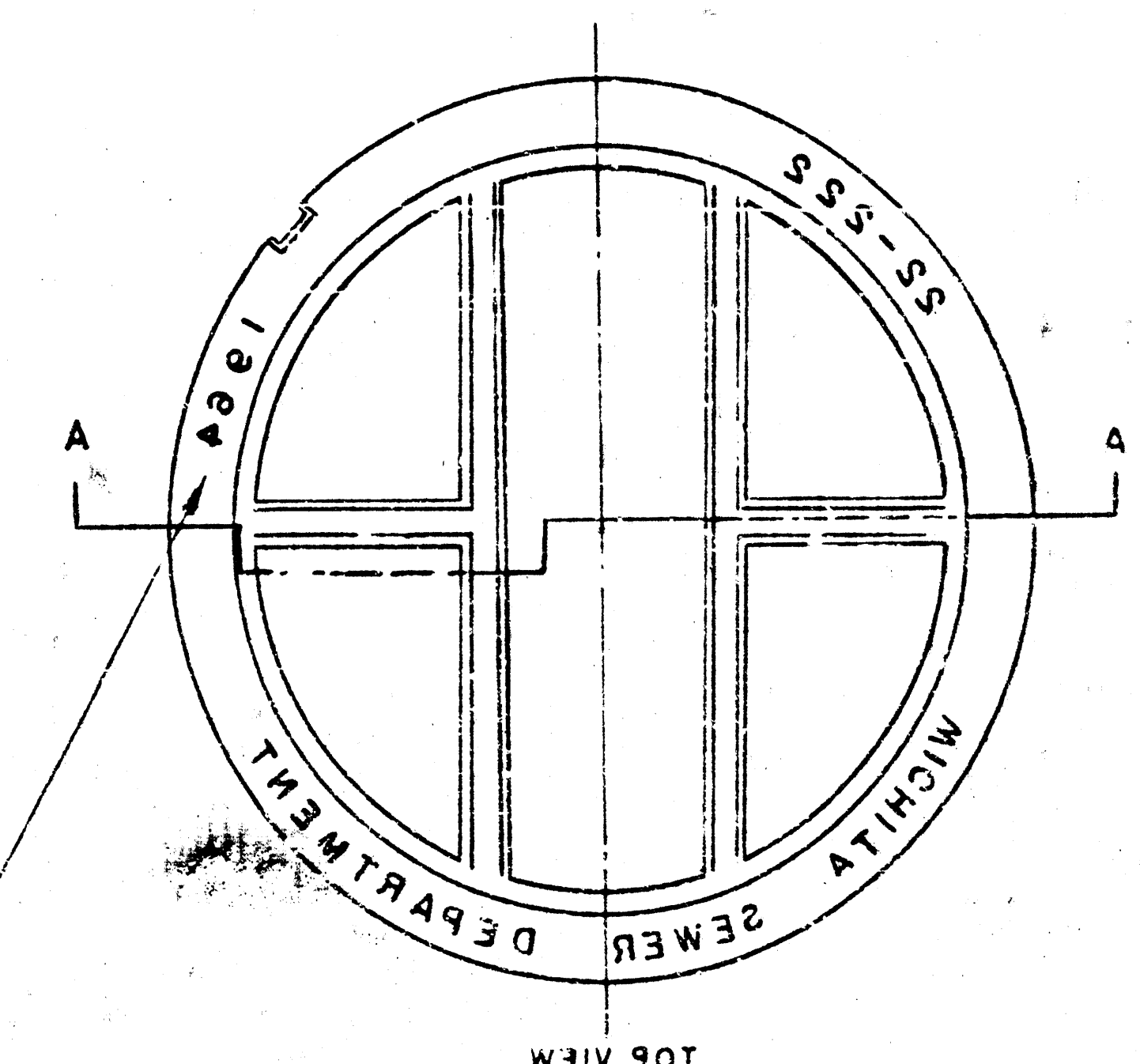
DETAIL OF DROP STACK
 FOR EXISTING MANHOLES IN GROUND WATER



MANHOLE COVER



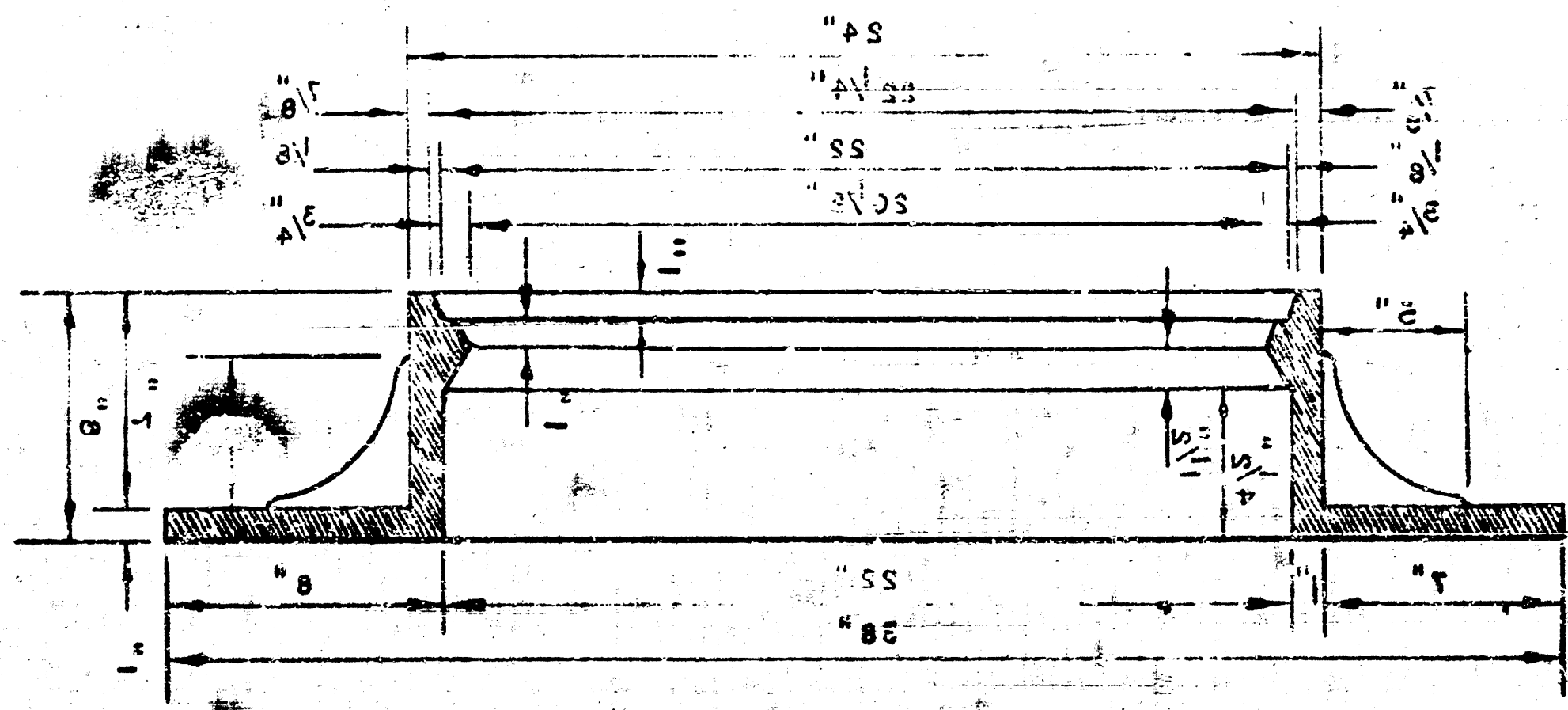
SECTION A-A



MANHOLE COVER

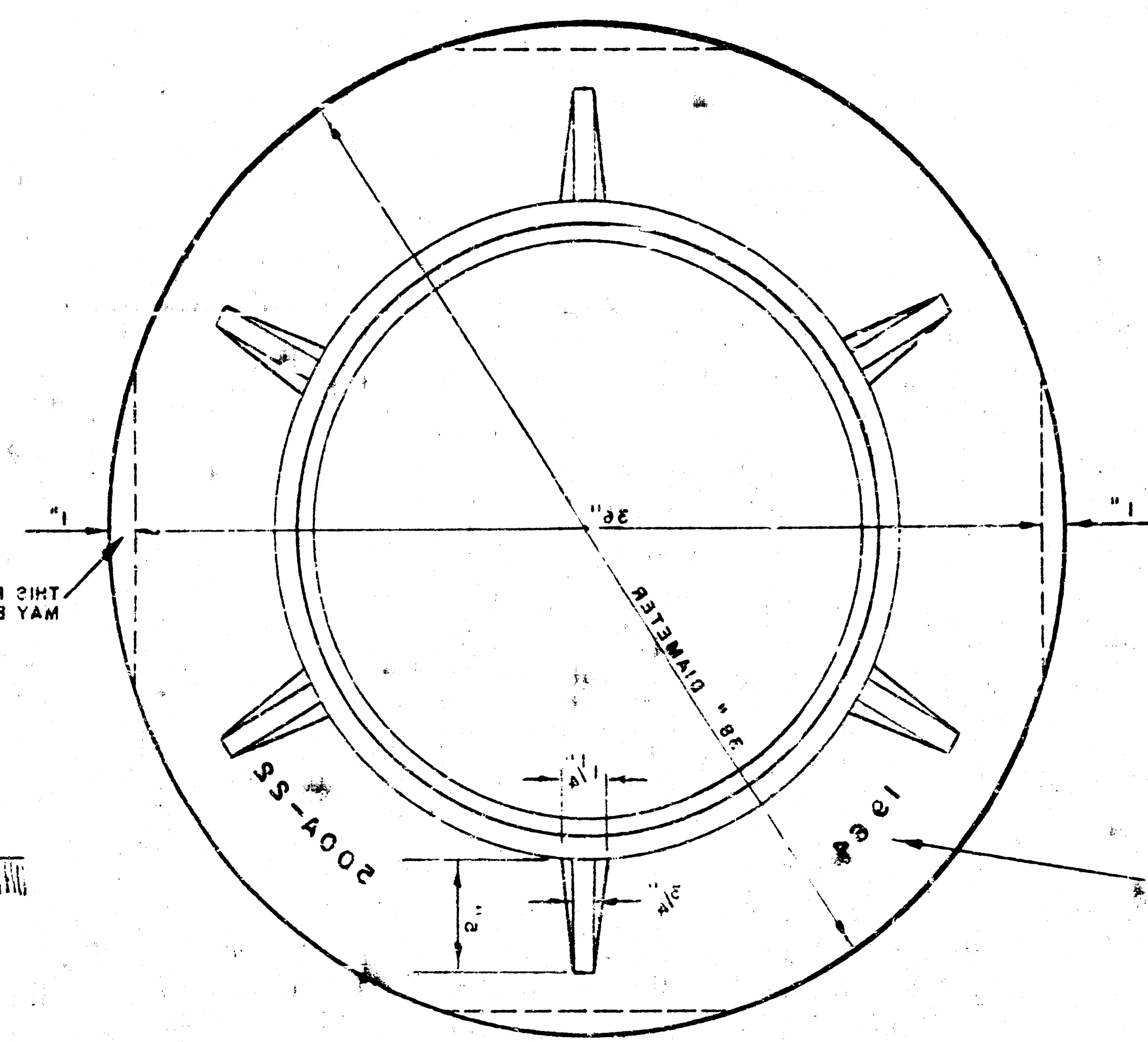
WEIGHT 110 LBS.

IS MADE
 YEAR CASTING



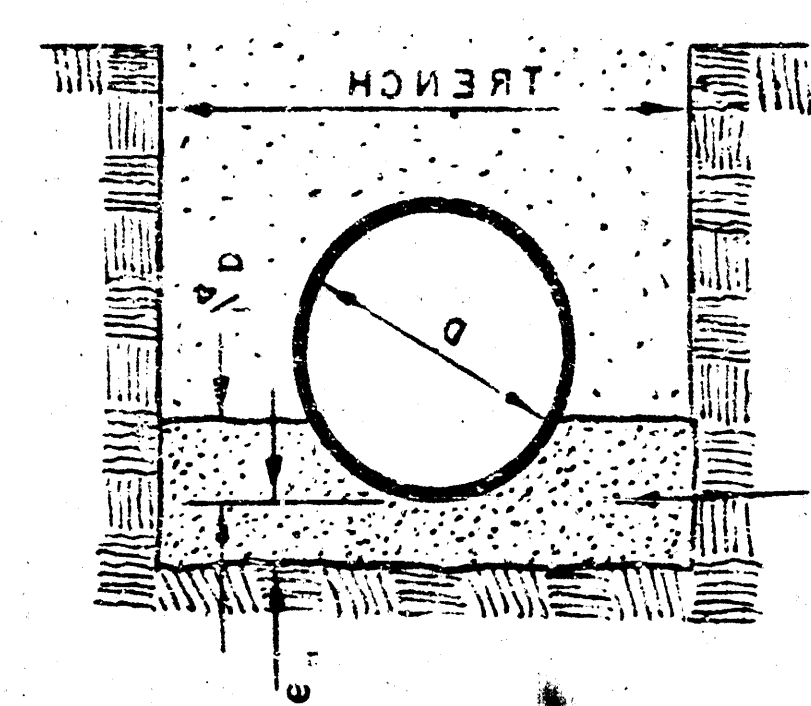
MANHOLE RING

OUTSIDE DIMENSION OF COVER
 AND THE INNER FACE AND BEAT OF
 RING TO BE MACHINE FIT.

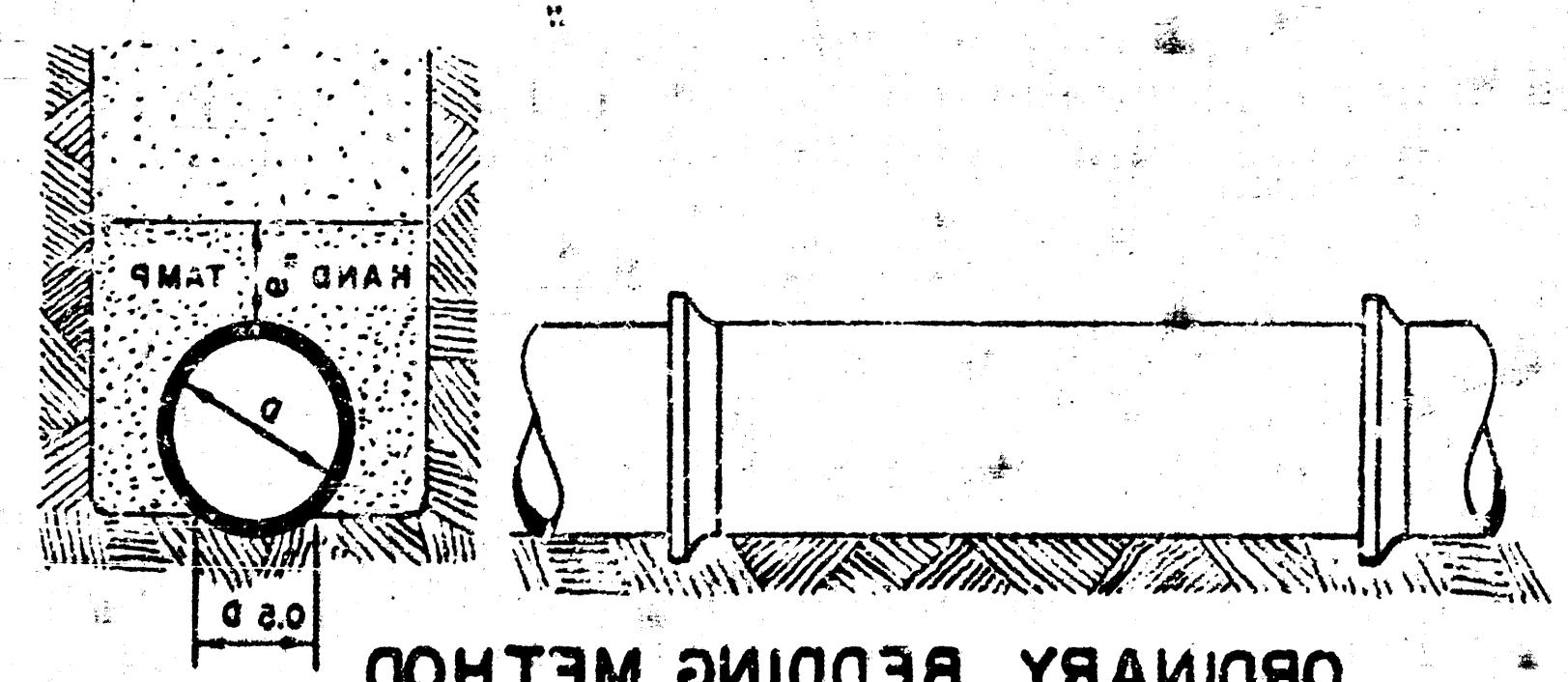


MANHOLE RING

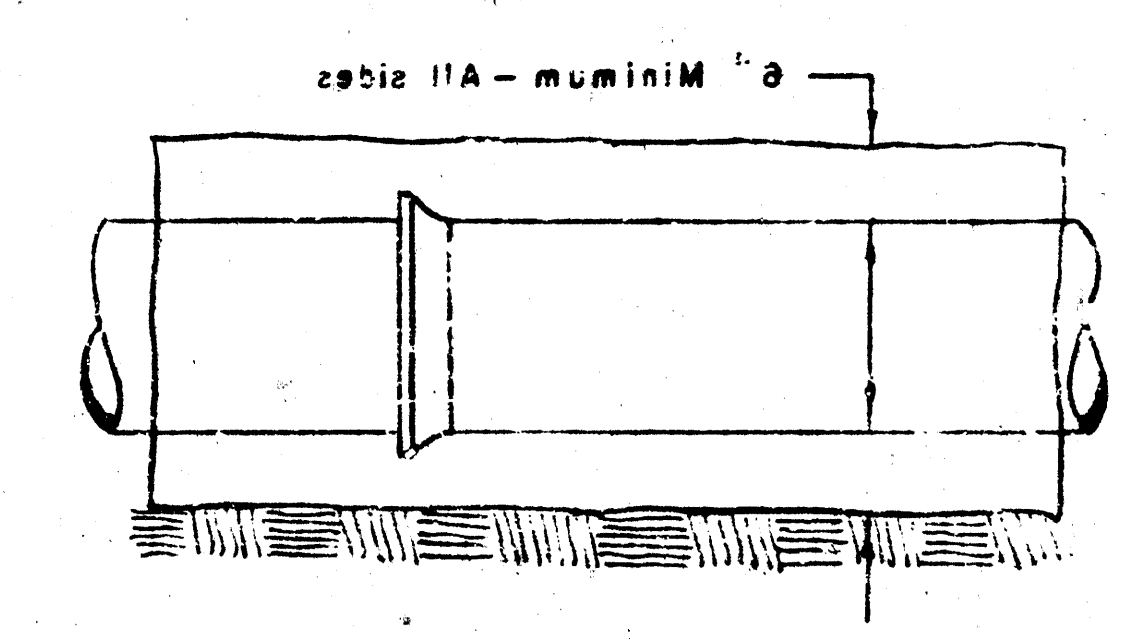
WEIGHT 220 LBS.



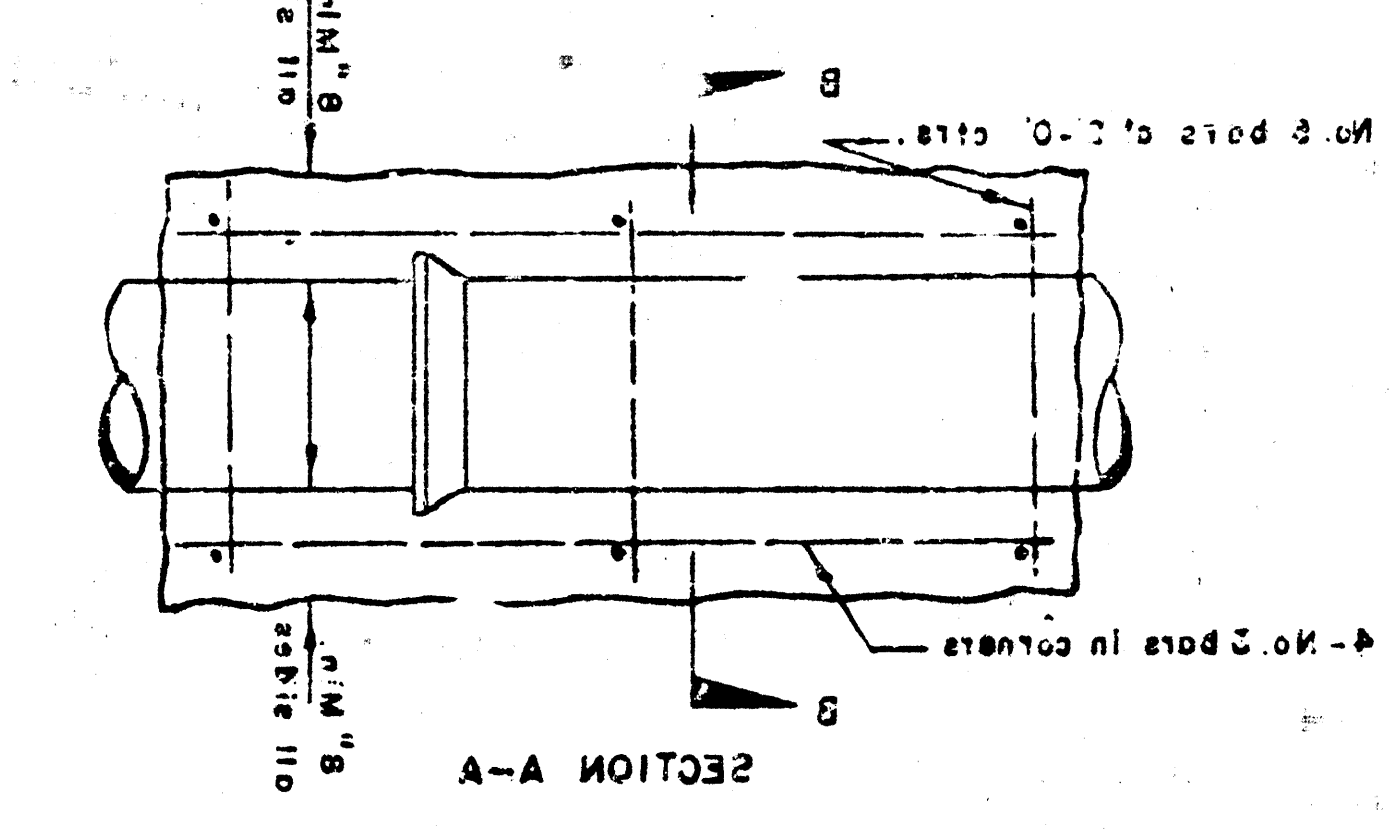
DETAIL OF CONCRETE CRADLE



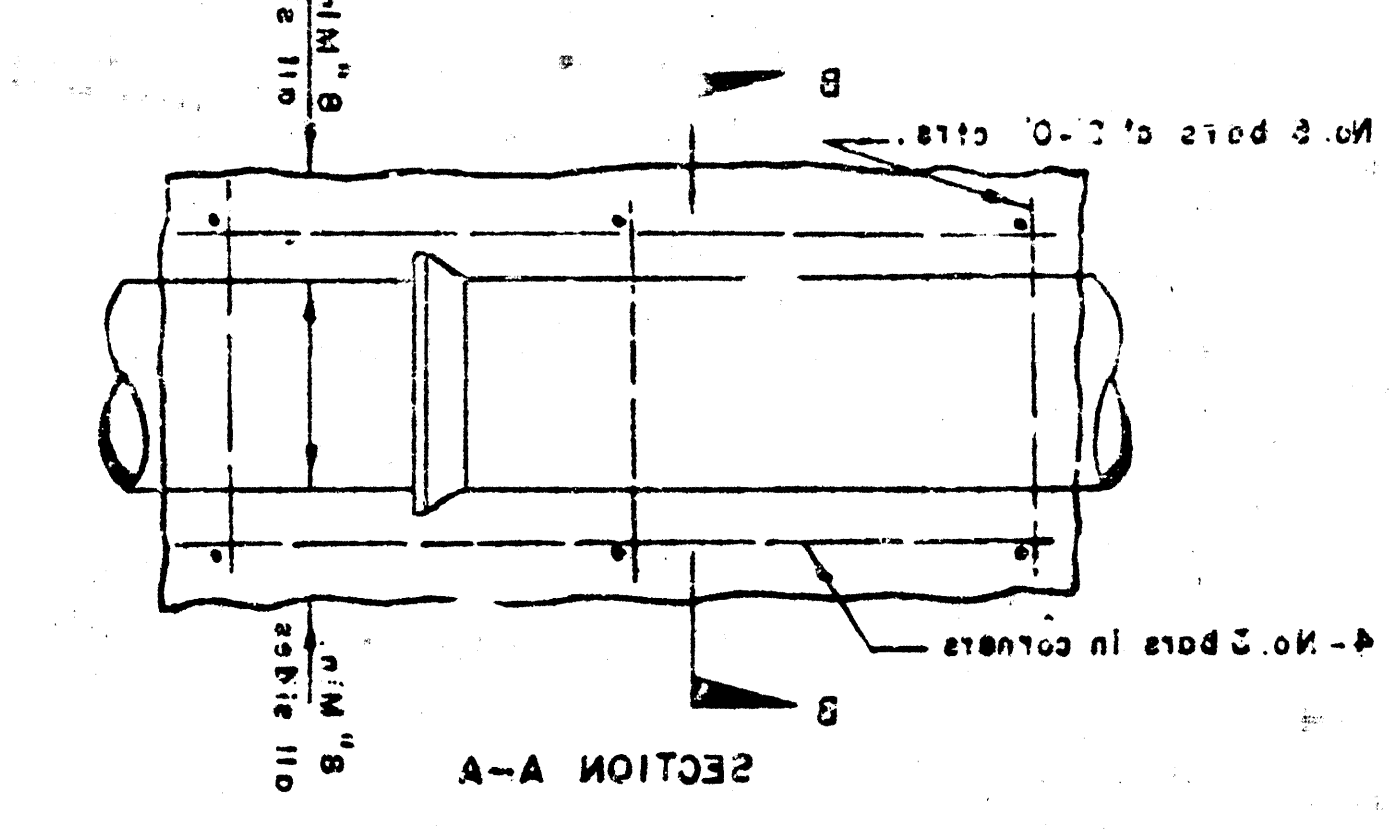
ORDINARY BEDDING METHOD



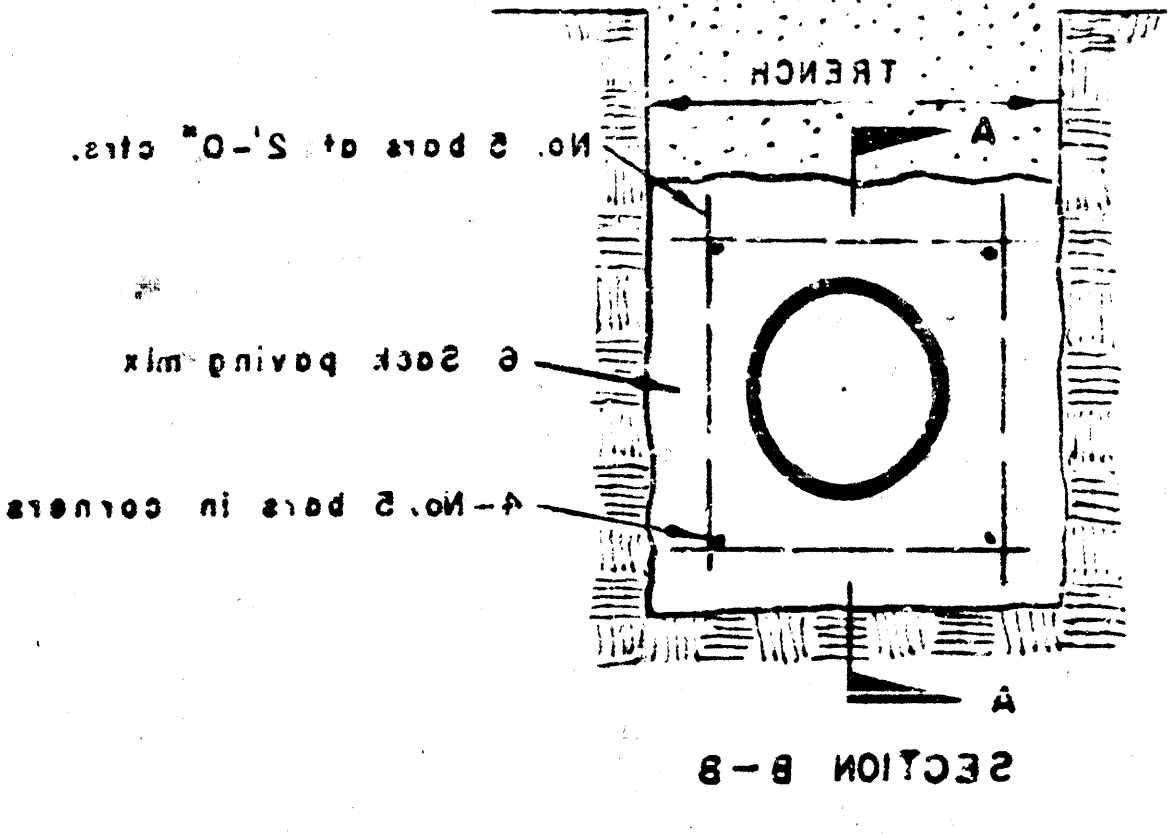
CONCRETE ENCASMENT
 FOR COVER



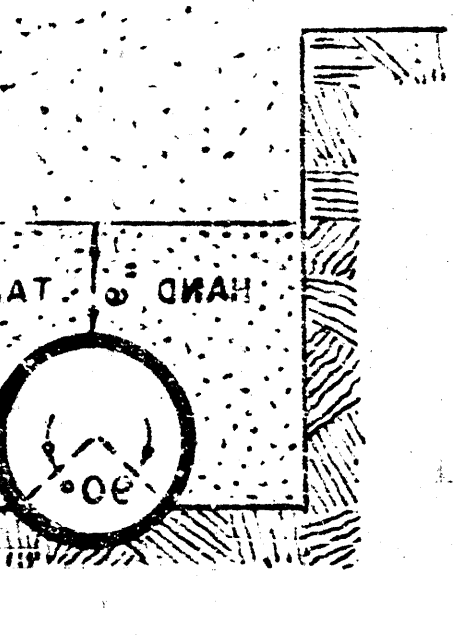
REINFORCED CONCRETE ENCASMENT
 FOR STRENGTH



SECTION B-B



SECTION B-B

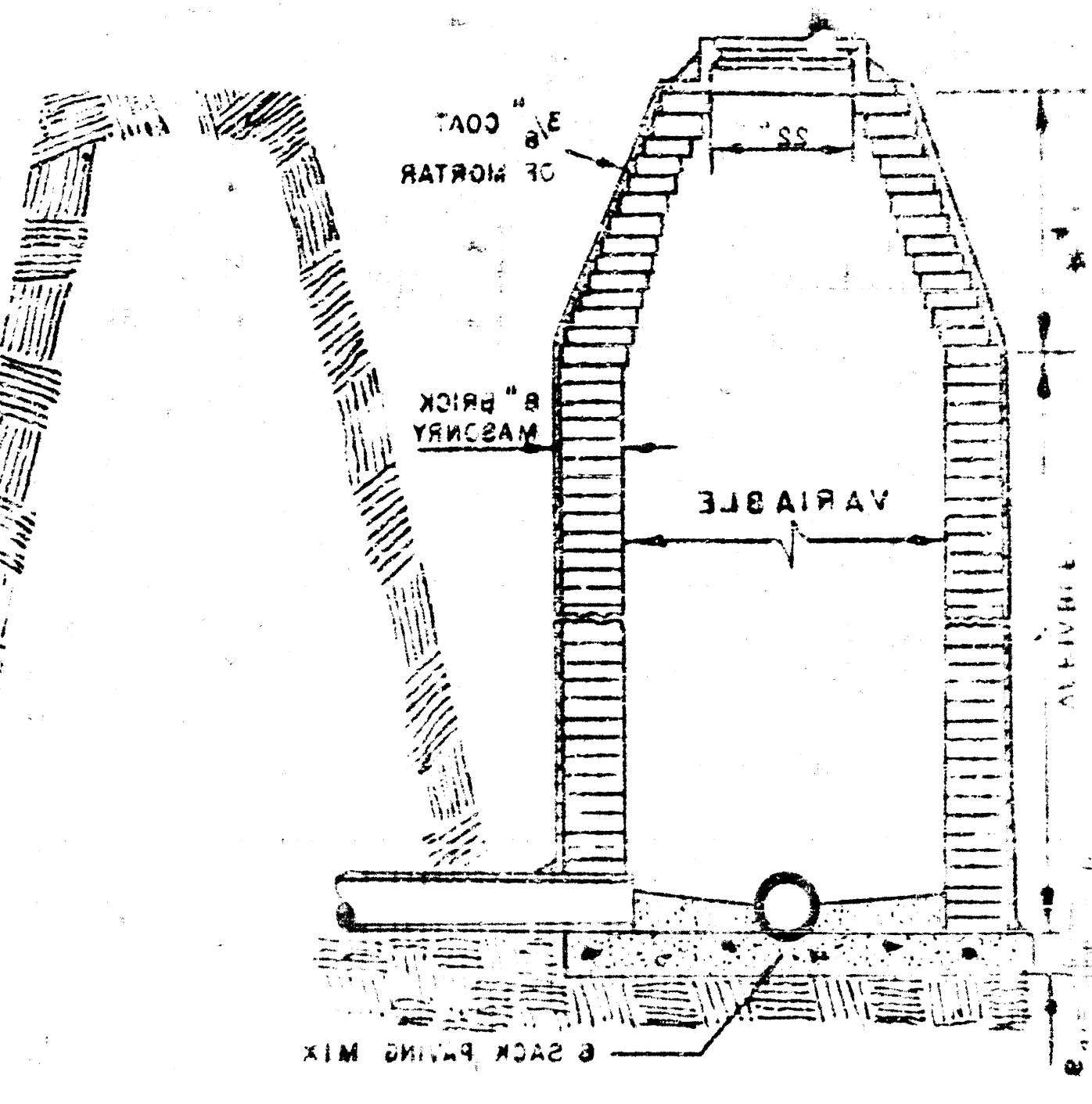


ORDINARY BEDDING METHOD
 FOR CLAY PIPE

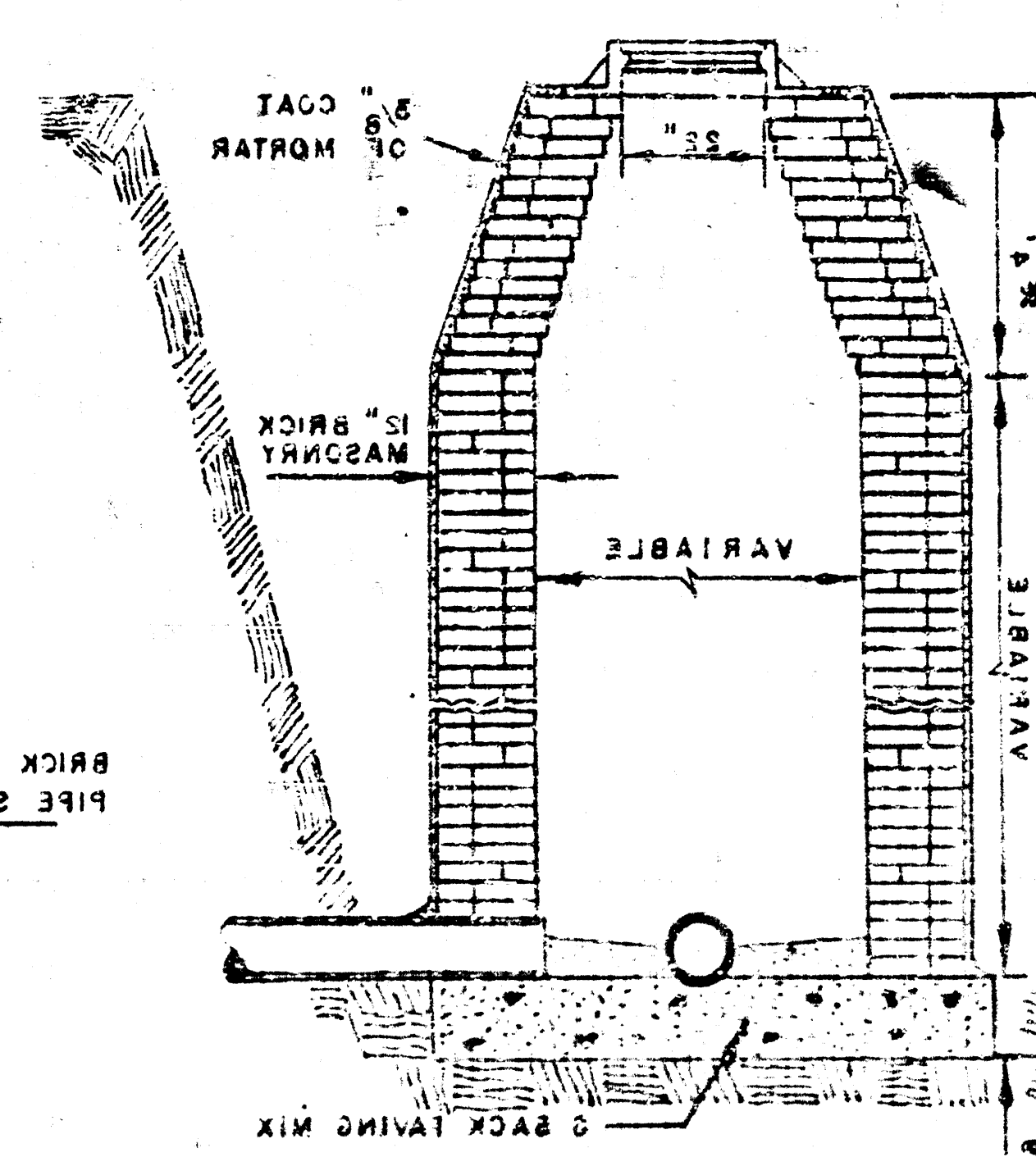
SEWER APPURTENANCE
 ADOPTED AS STANDARD DESIGN
 BY
 ENGINEERING DIVISION
 CITY OF WICHITA, KANSAS

* DRAWING ON 5' DIA. M.M.'S

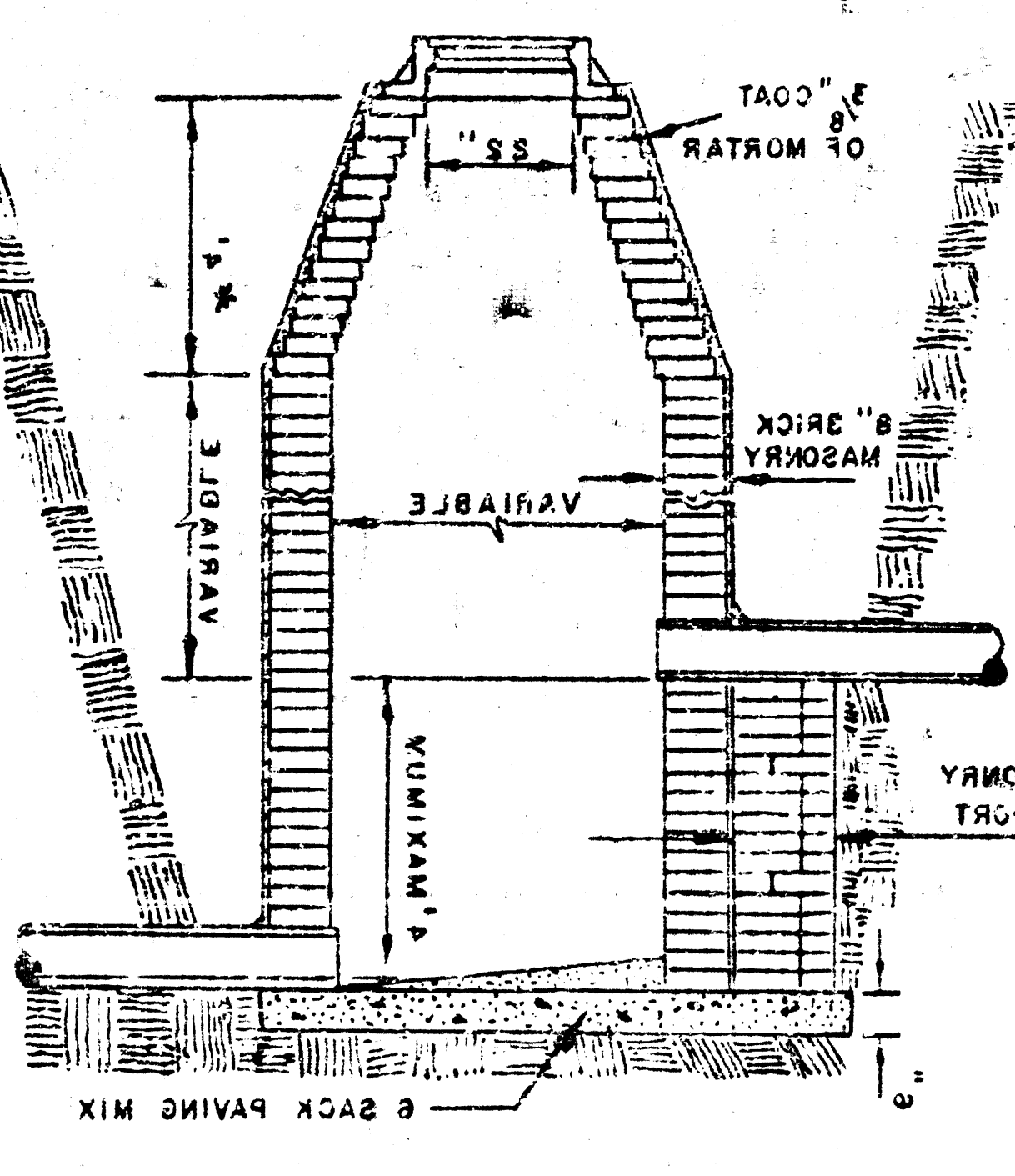
STANDARD MANHOLE
 TYPE "A"



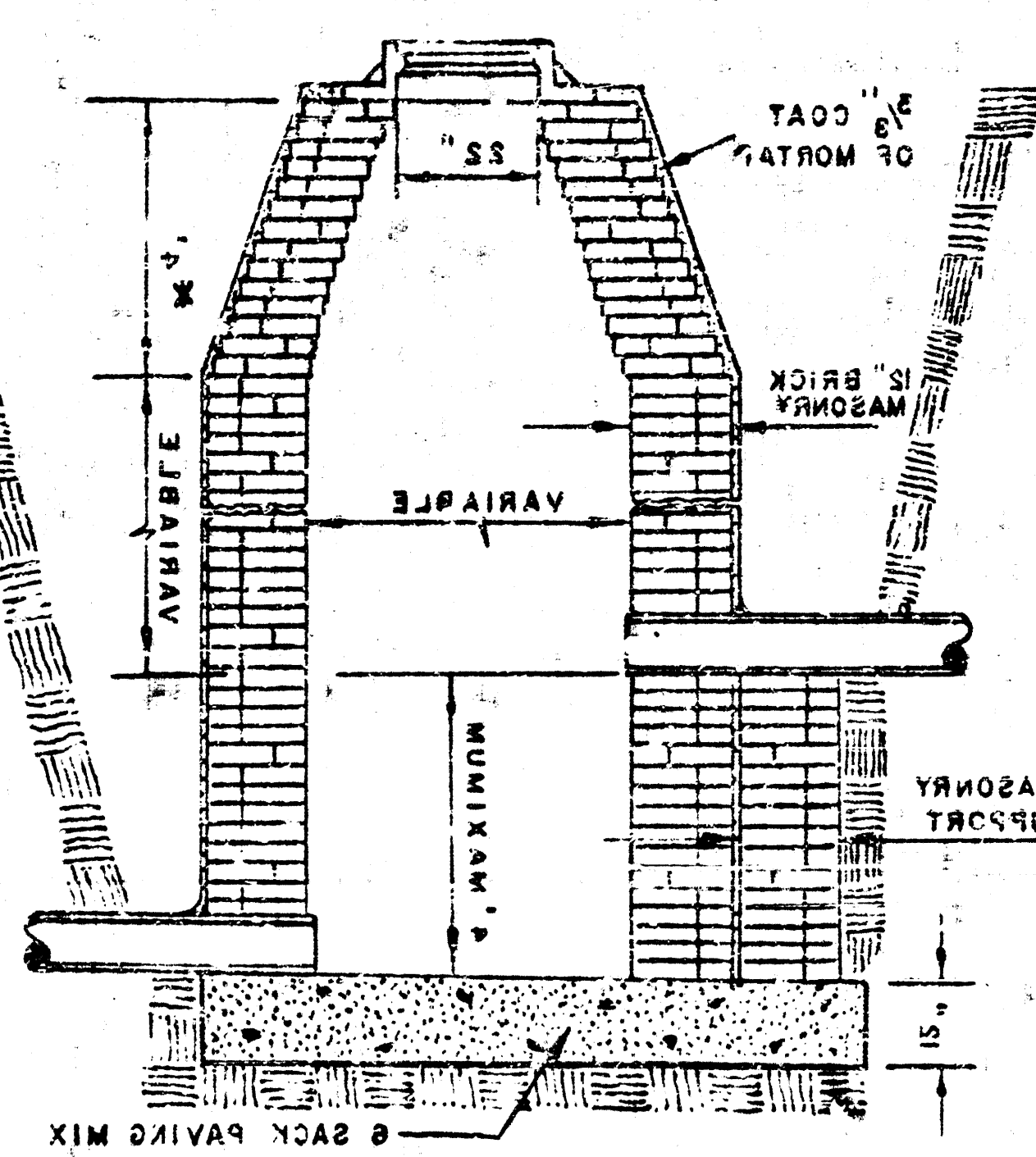
STANDARD MANHOLE
 TYPE "B"



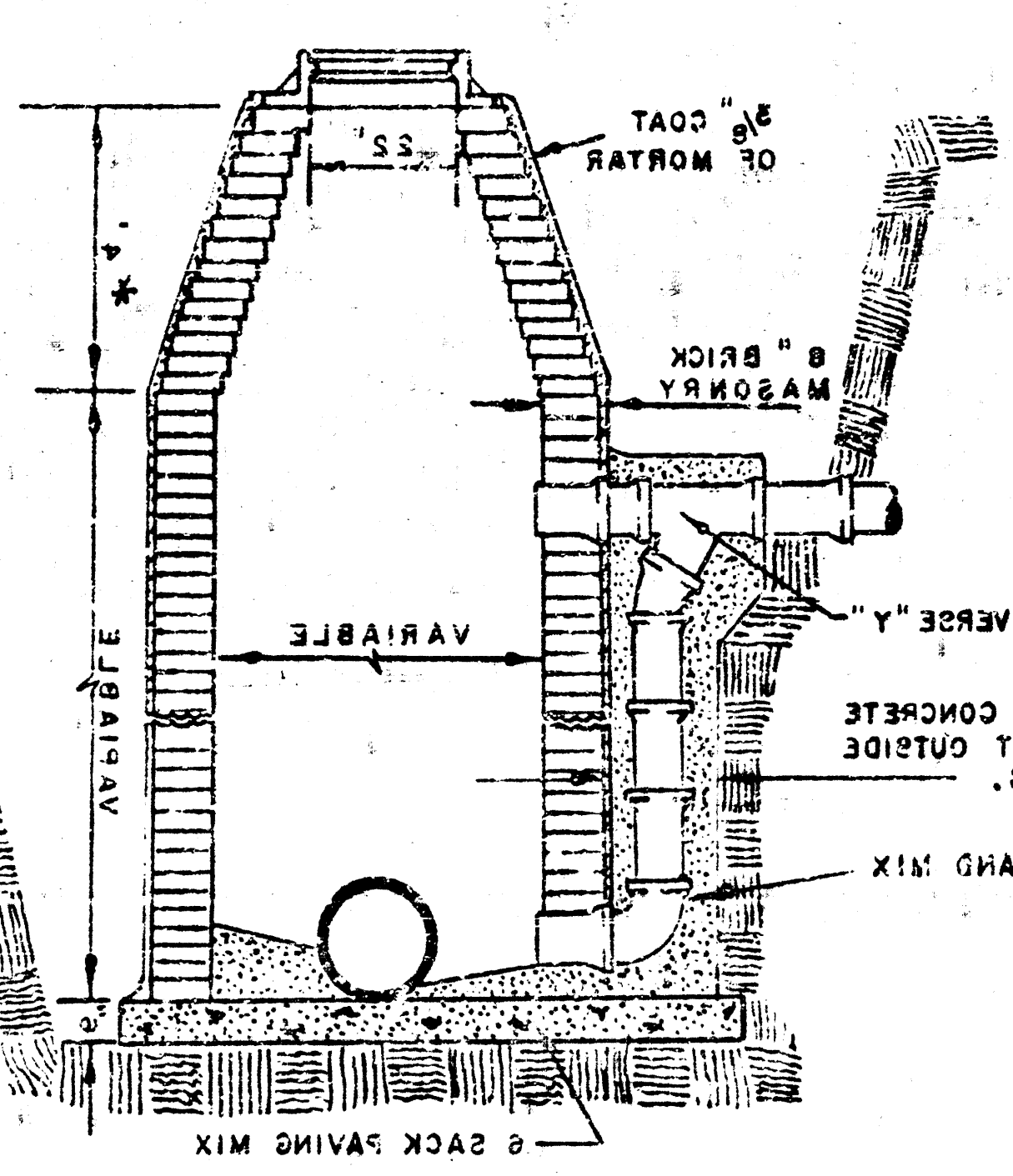
DROP MANHOLE
 TYPE "A"



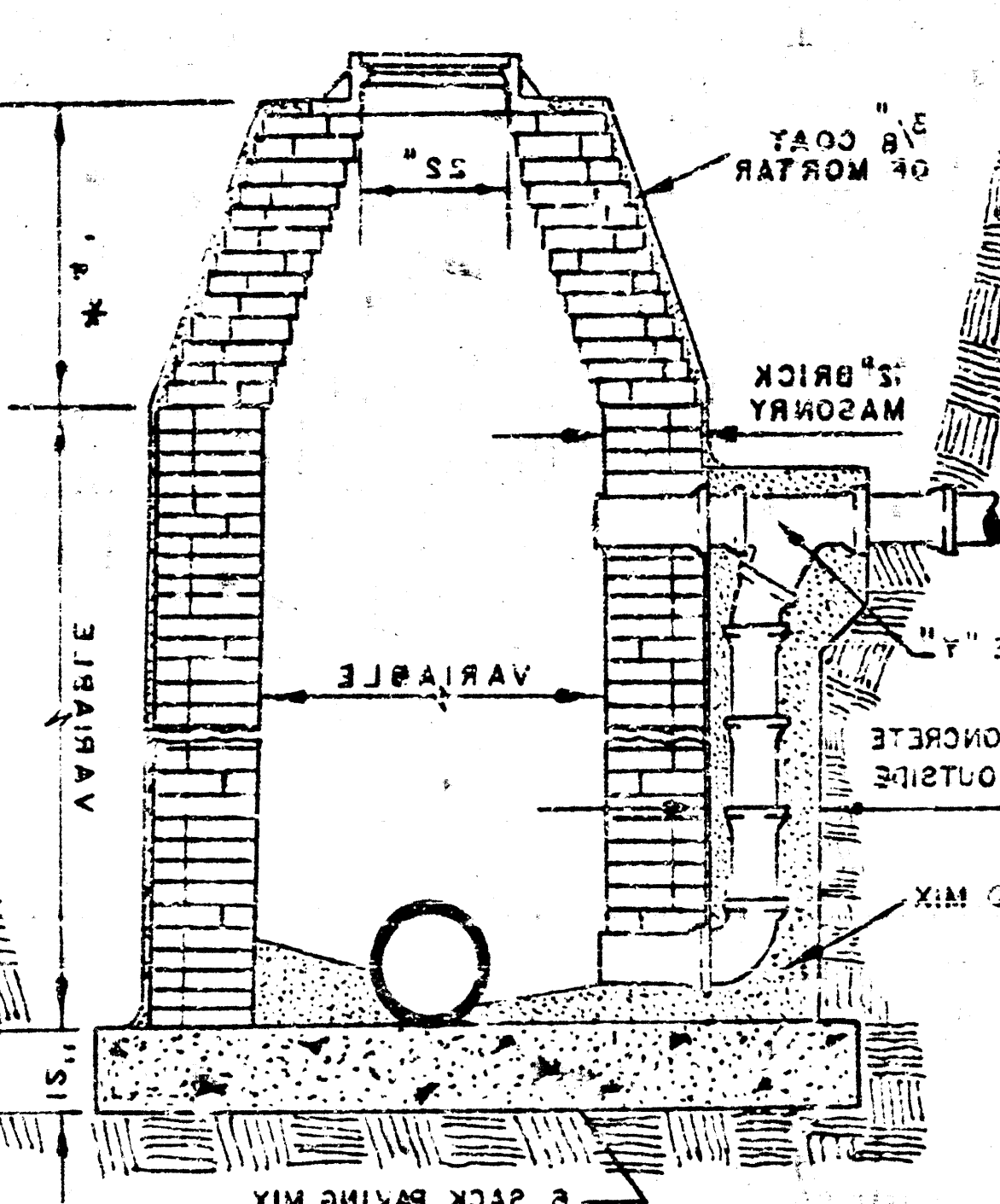
DROP MANHOLE
 TYPE "B"



OUTSIDE DROP MANHOLE
 TYPE "A"

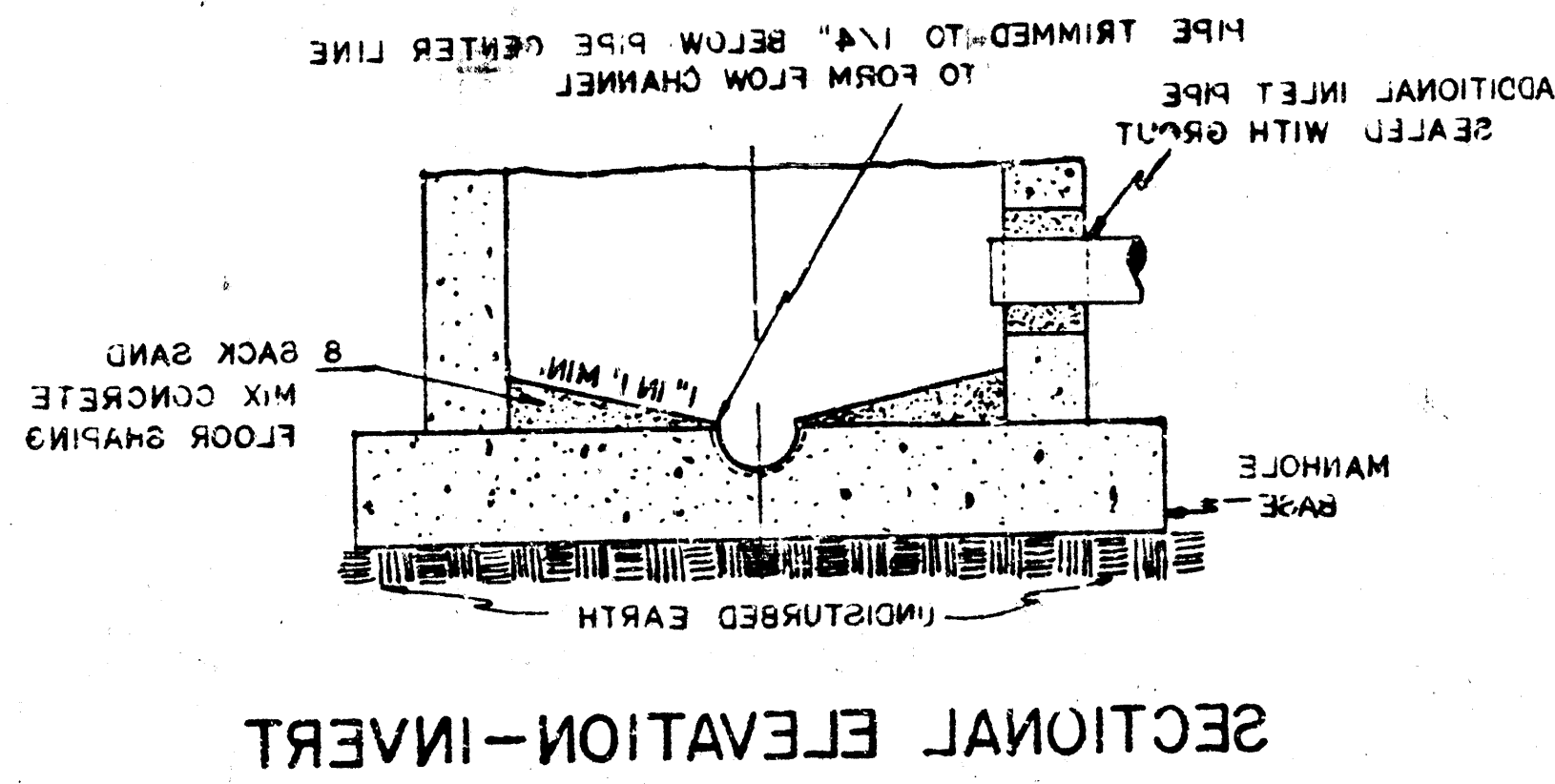
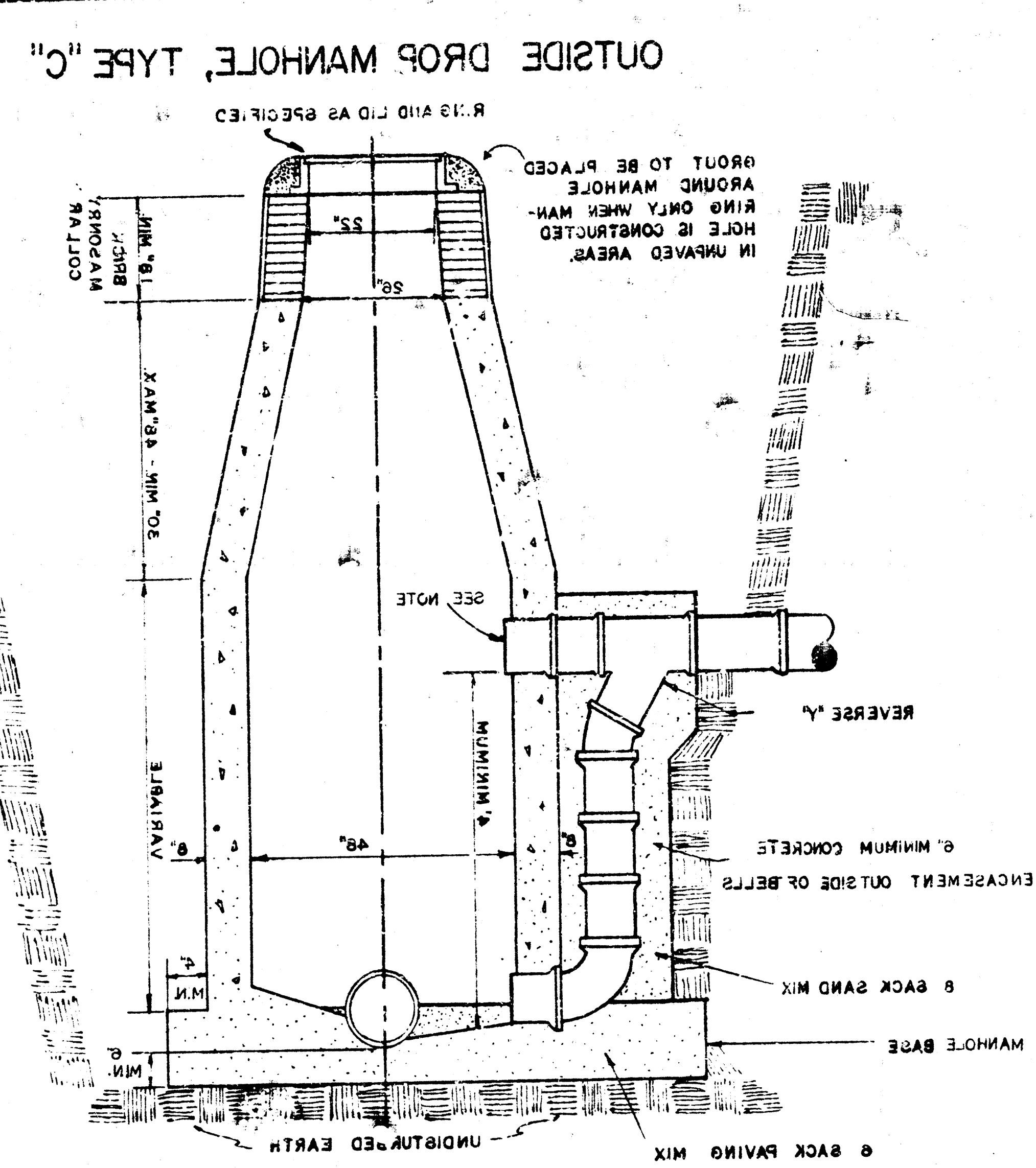


OUTSIDE DROP MANHOLE
 TYPE "B"



R. W. LINN
 CITY ENGINEER
 CITY OF WICHITA, KANSAS
 ENGINEERING DIVISION
 BY
 ADOPTED AS STANDARD DESIGN
 SEWER APPURTENANCES
 DETAILS OF

CRETE BARREL.
REQUIRE MODIFICATION OF THE CON-
WHICH MAY BE NECESSARY WILL NOT
THE MANHOLE TOP ELEVATION
NO
OBVIOUS THAT ANY ADJUSTMENT
GAS AND IN LOCATIONS WHERE IT
FORMATION OF HYDROGEN SULFIDE
DETERIORATION OF CONCRETE DUE TO
ONLY ON SEWER NOT SUBJECT TO
MANHOLES ARE TO BE CONSTRUCTED
CAST IN PLACE CIRCULAR CONCRETE
SAND MIX CONCRETE.
HYDRAULIC EFFICIENCY USING 8 SACK
SHALL BE SHAPED TO INCREASE
THE FLOORS OF ALL MANHOLES
24" SHALL BE 2 FT. DIAMETER.
WITH PIPE SIZES LARGER THAN
INDICATED OTHERWISE. MANHOLES
DIAMETERS WILL BE 4 FT. UNLESS
DIAMETER INDICATED. ALL MANHOLES
DROP MANHOLES FOR THE TYPE AND
DIAMETER INDICATED. ALL MANHOLES
"C" SHALL BE BID AS STANDARD MA-
AND STANDARD DROP MANHOLES TYPE
STANDARD MANHOLES TYPE "C".
PER CUBIC YARD.
TION SHALL CONTAIN 8 SACKS OF CEM-
MORTAR USED IN MASONRY CONSTRUC-



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

