

LATERAL 4, MAIN 6, SS NO. 23

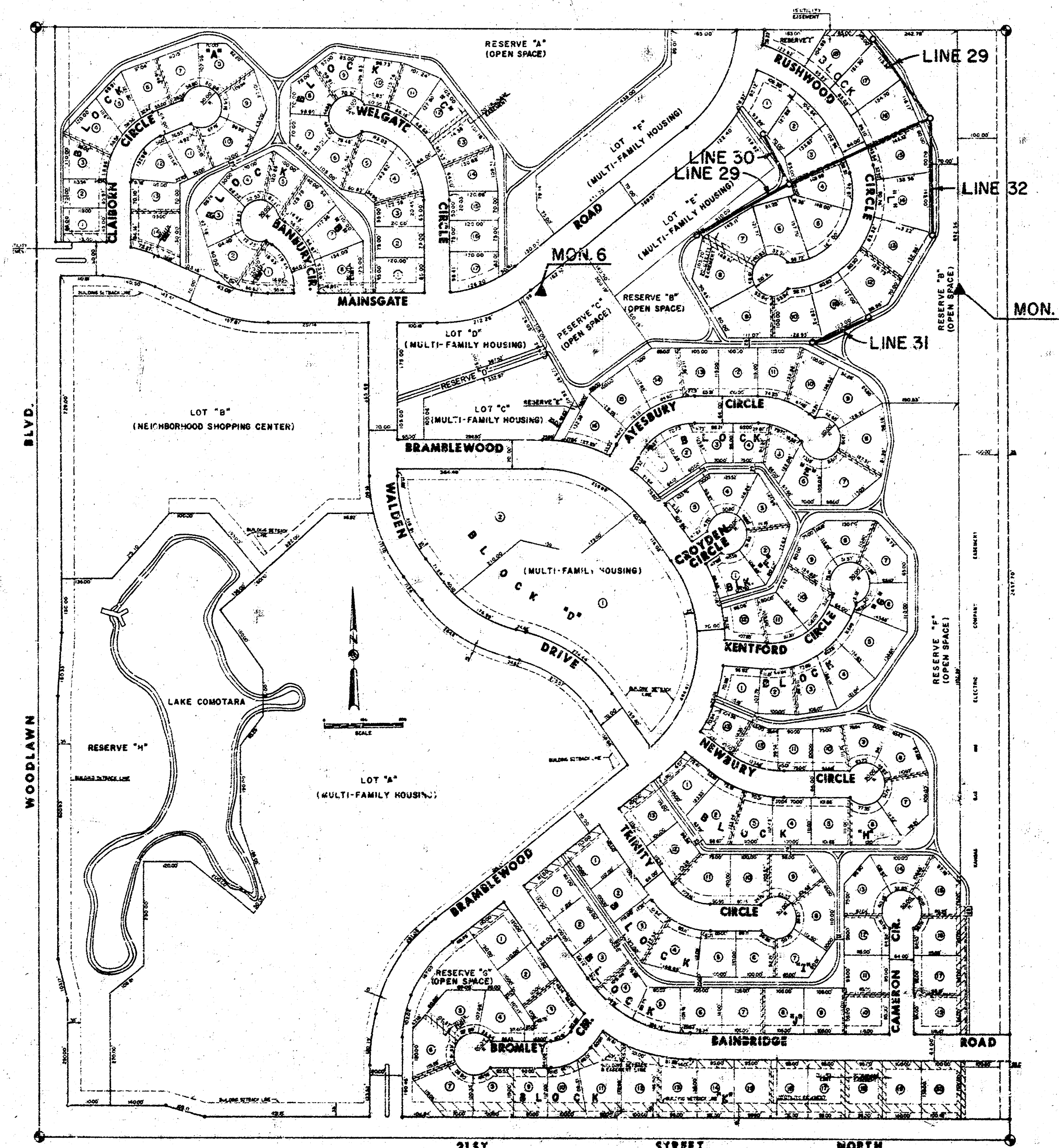
PROJECT NO. DBKL 574072

CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER

NOTES: Installation of Service Line Stubs and construction of fill around Manholes above existing ground shall be incidental to Manhole Construction.

Sand backfill in place including cost of sand, placing, jettling and vibrating shall be included in the price bid for L.M. Ft. of sewer.

The cost of clearing right of way to facilitate construction of sanitary sewers shall be incidental to the project.

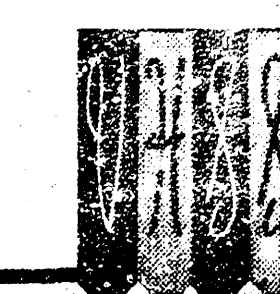


INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LINE 29, 30, 31, 32
3-4	DETAILS OF SEWER APPURTENANCES

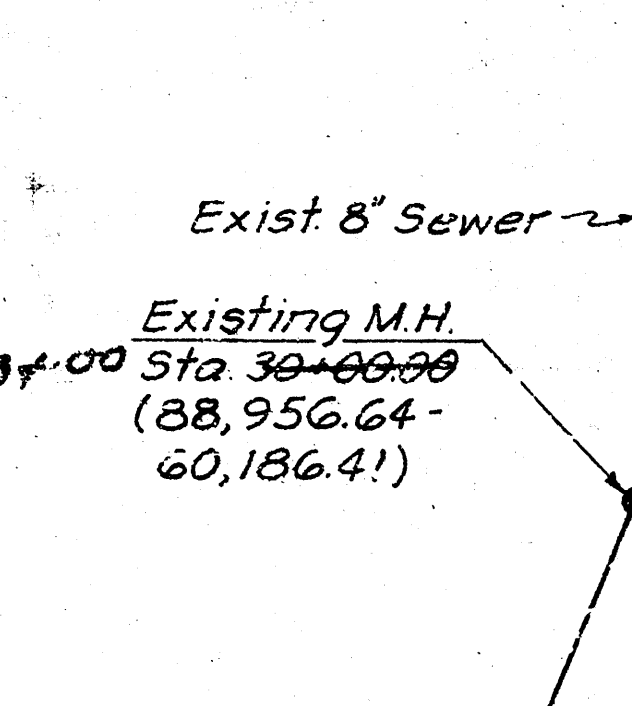
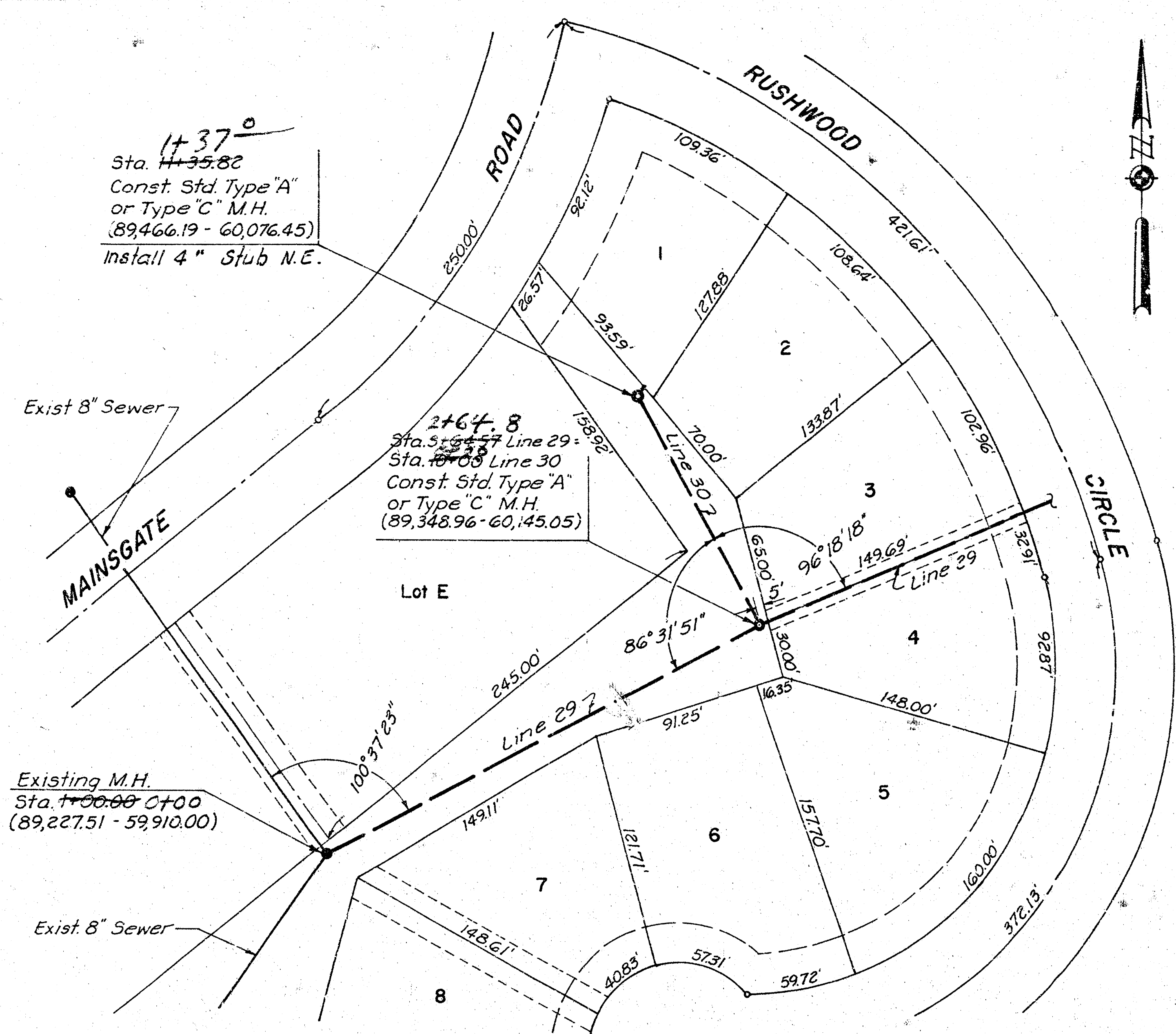
MONUMENT NO.	COORDINATES		ELEVATION
	NORTH	EAST	
5	389,060.76	2,360,628.00	211.23
6	389,079.36	2,359,489.27	199.63

MONUMENTS SHOWN THUS: ▲ MON. NO.



VAN DOREN-HAZARD-STALLINGS
ENGINEERS-ARCHITECTS • WICHITA, KANSAS

SHEET
1
OF 4



Exist. 8" Sewer

Exist. M.H. Sta. 30+00.00 (88,956.64 - 60,186.41)

Exist. 8" Sewer

Line 31

100.00'

50.00'

129.52'

160°59'23"

129.52'

129.00'

127.00'

70.00'

59.96'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

129.00'

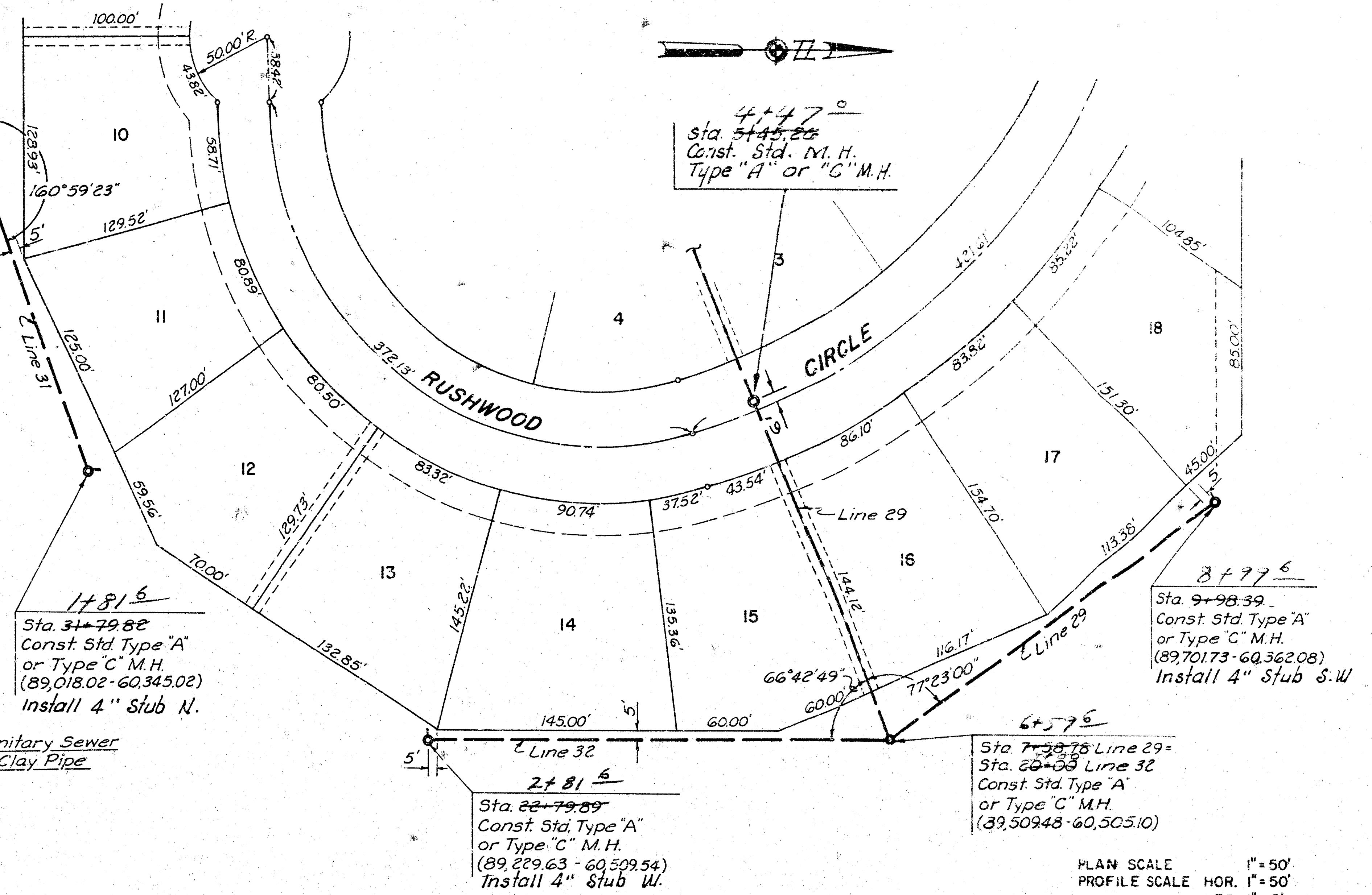
129.00'

129.00'

129.00'

129.00'

129.00'



B.M. = Monument No. 5 Elev. 211.23

NOTE: All Sanitary Sewer to be Clay Pipe

Exist. 8" Sewer

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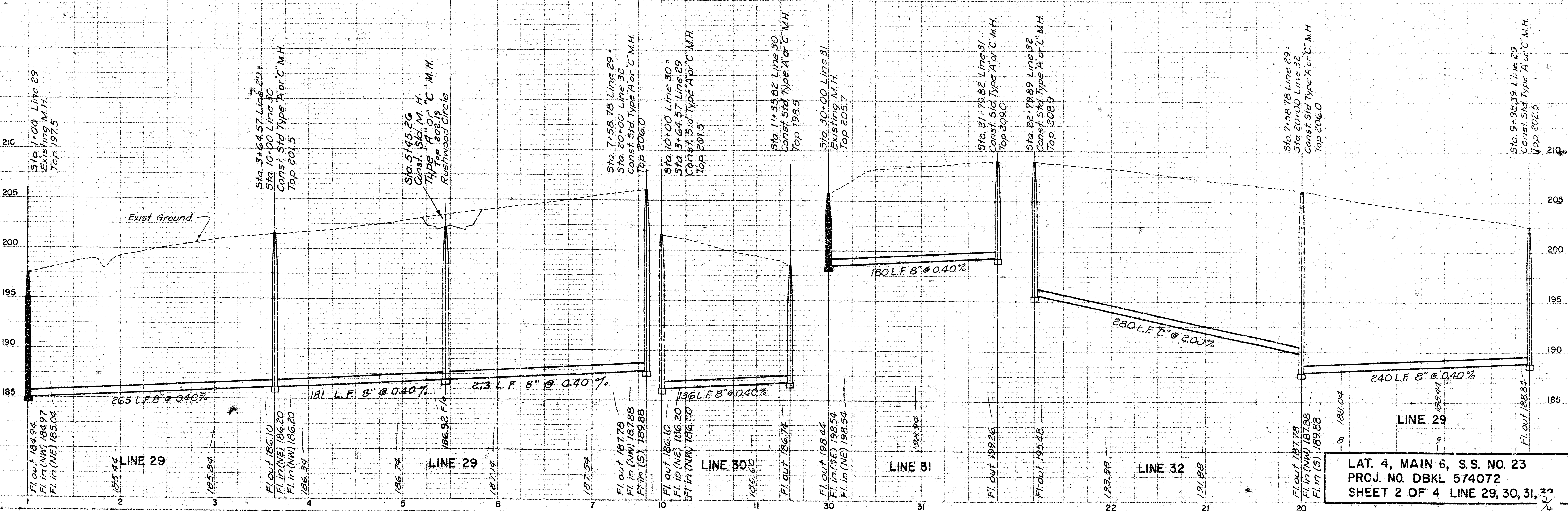
129.00'

129.00'

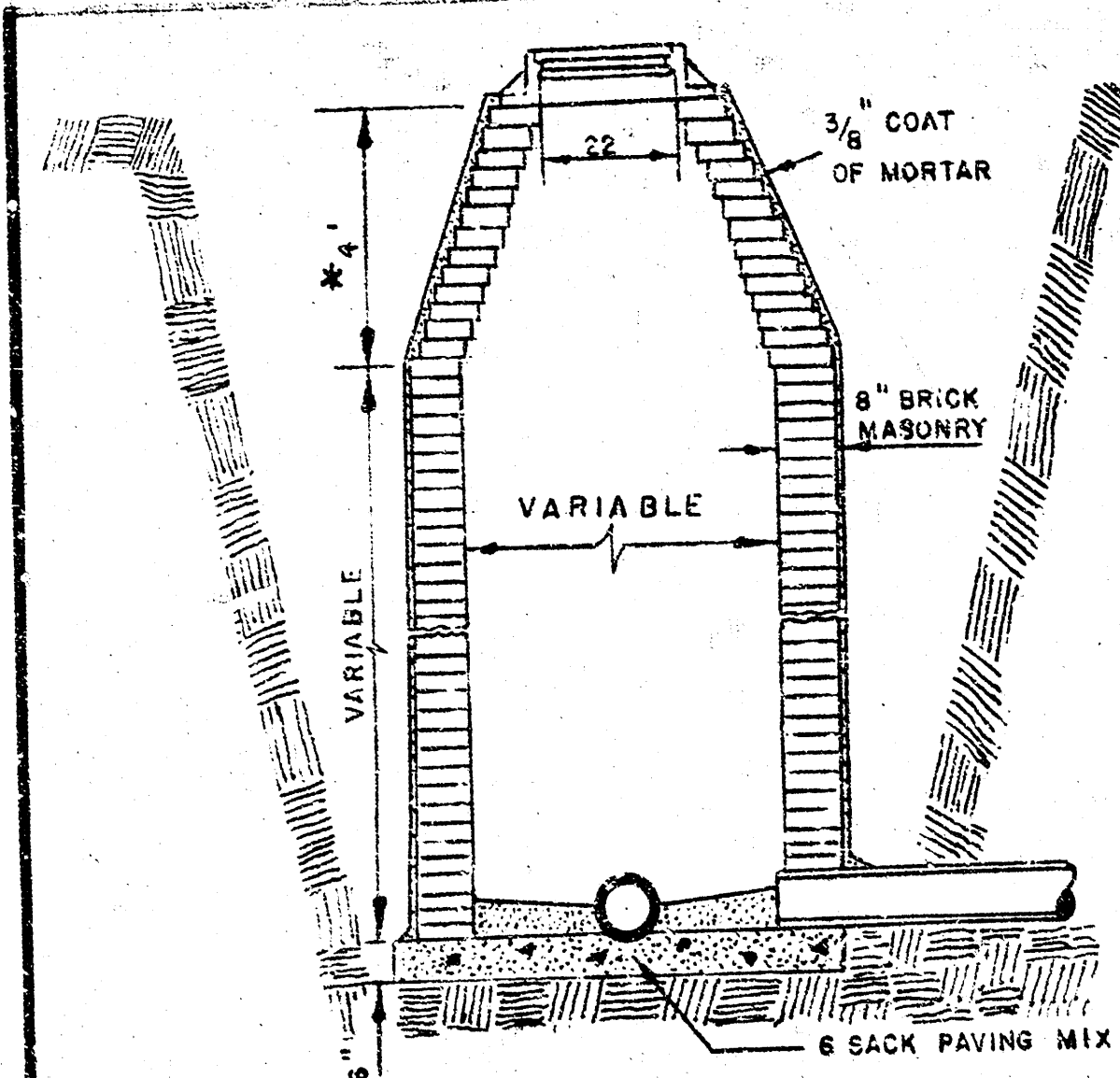
129.00'

129.00'

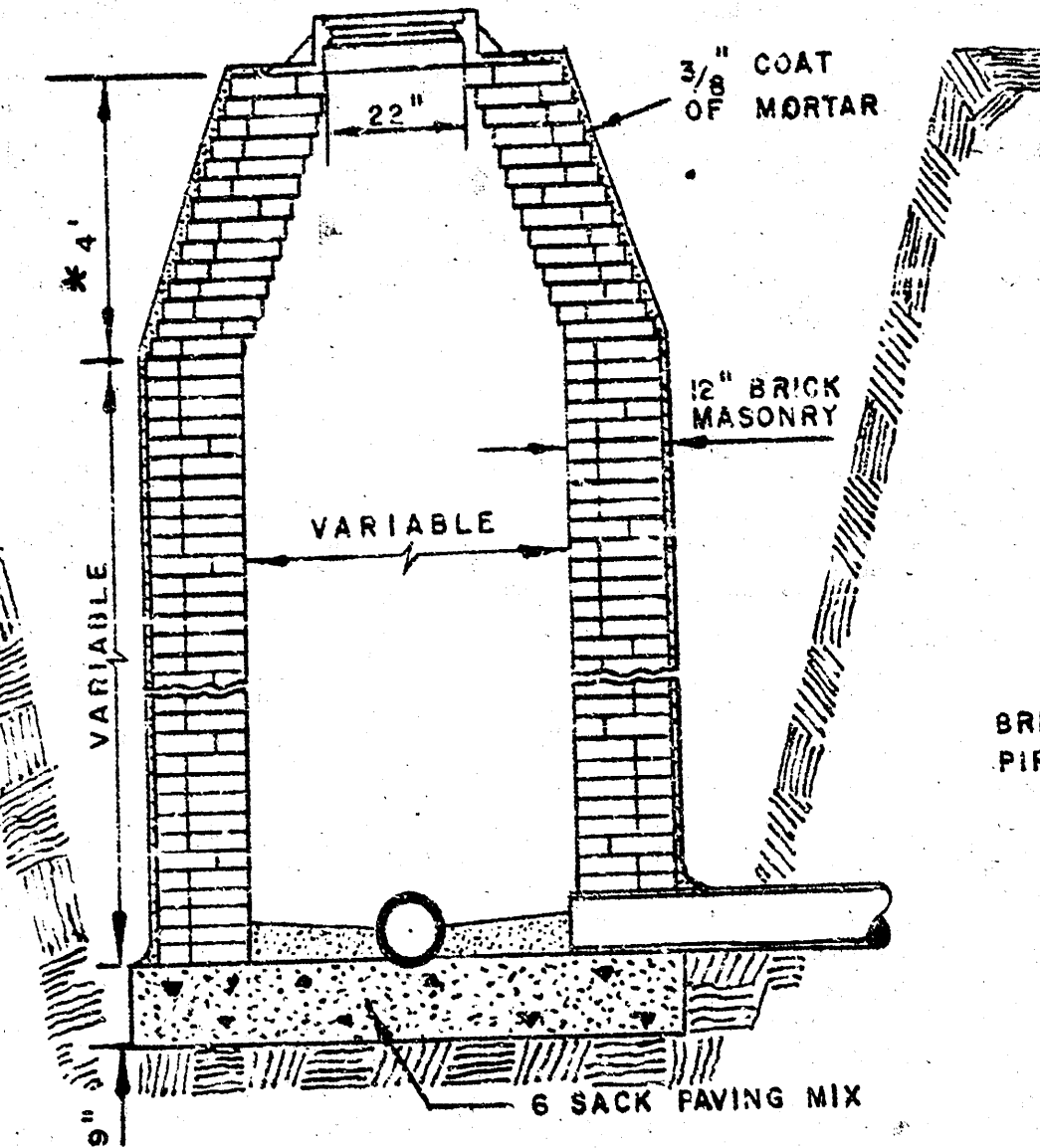
129.00'



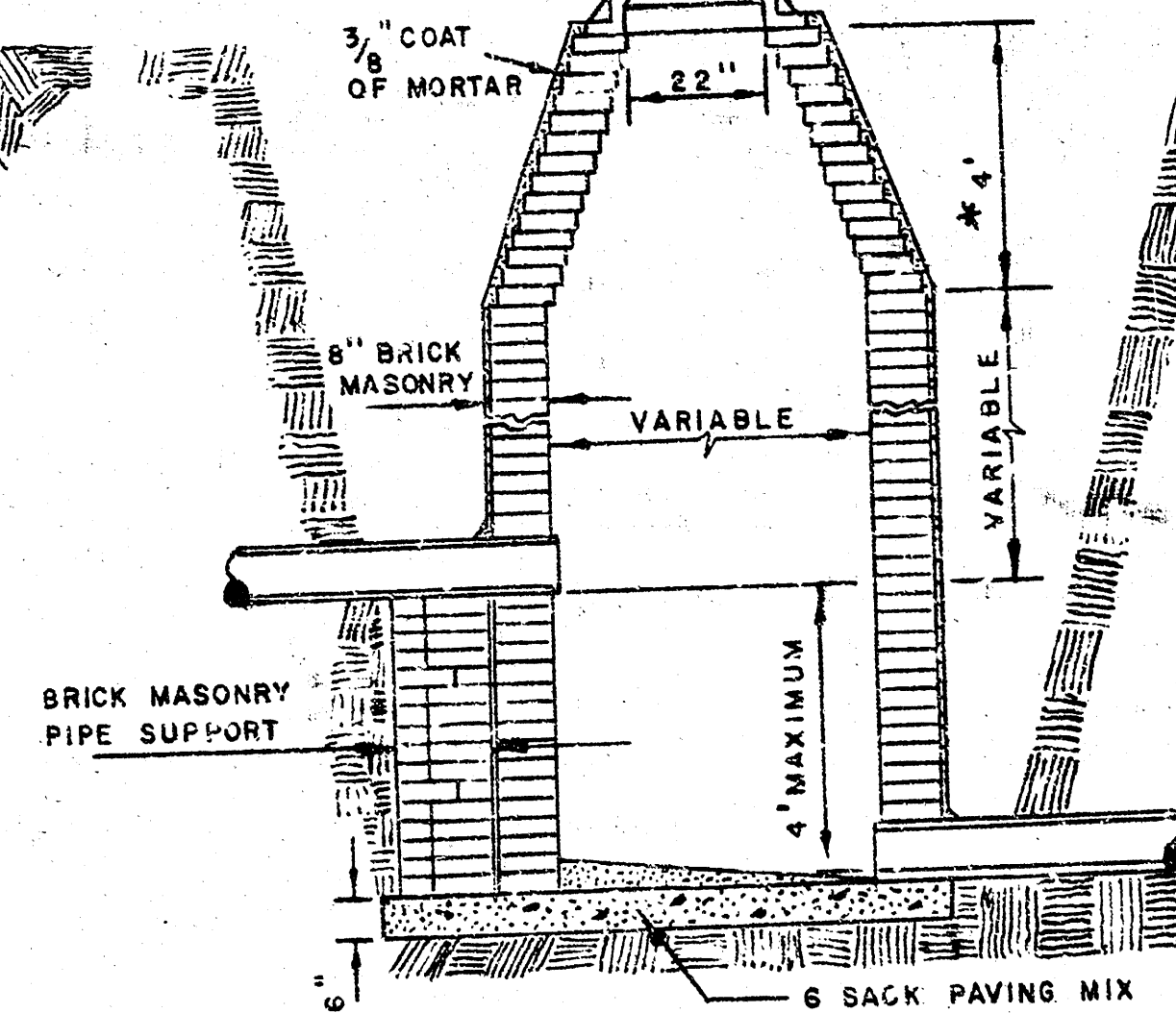
LAT. 4, MAIN 6, S.S. NO. 23
 PROJ. NO. DBKL 574072
 SHEET 2 OF 4 LINE 29, 30, 31, 32



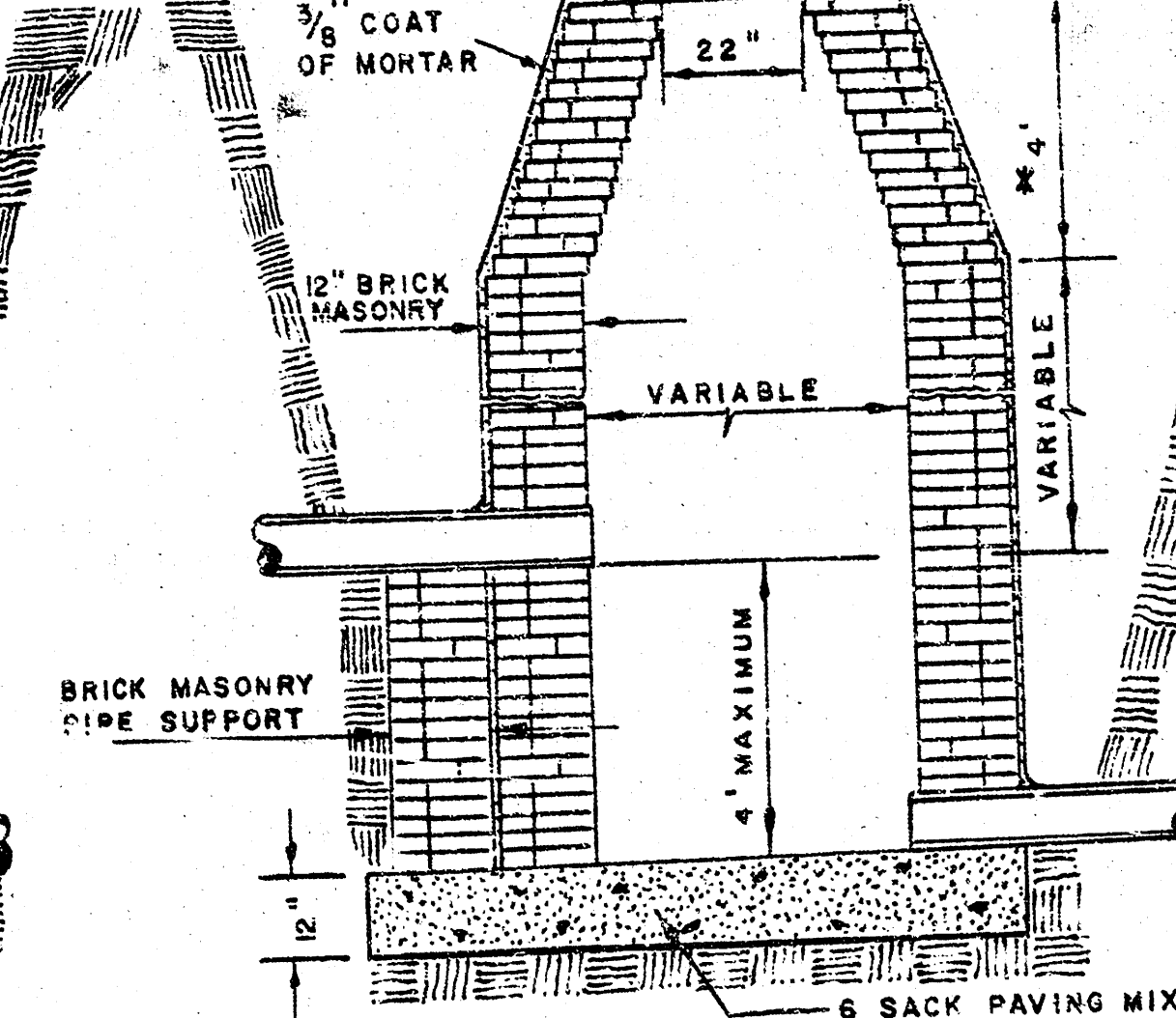
STANDARD MANHOLE
TYPE "A"



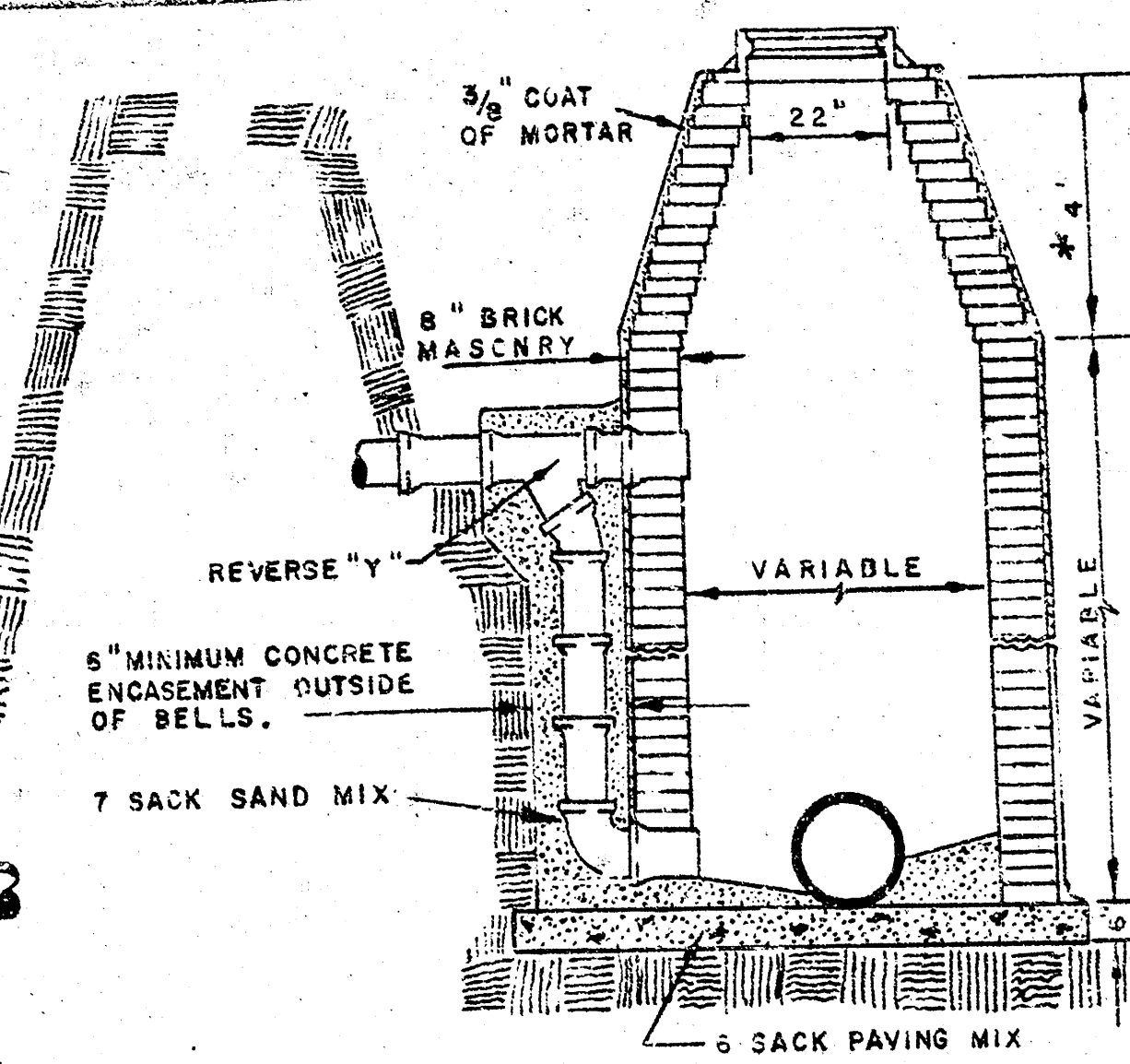
STANDARD MANHOLE
TYPE "B"



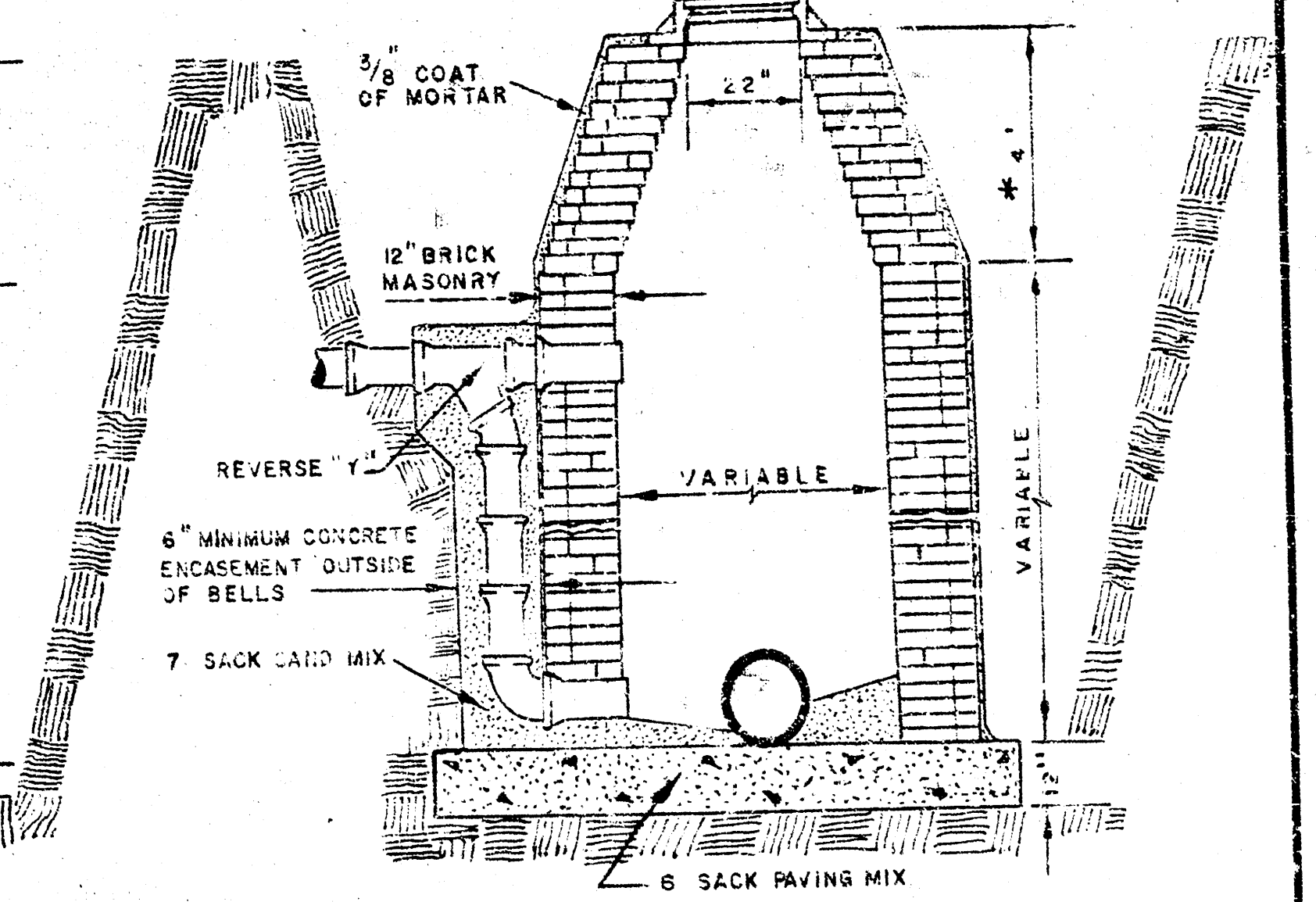
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

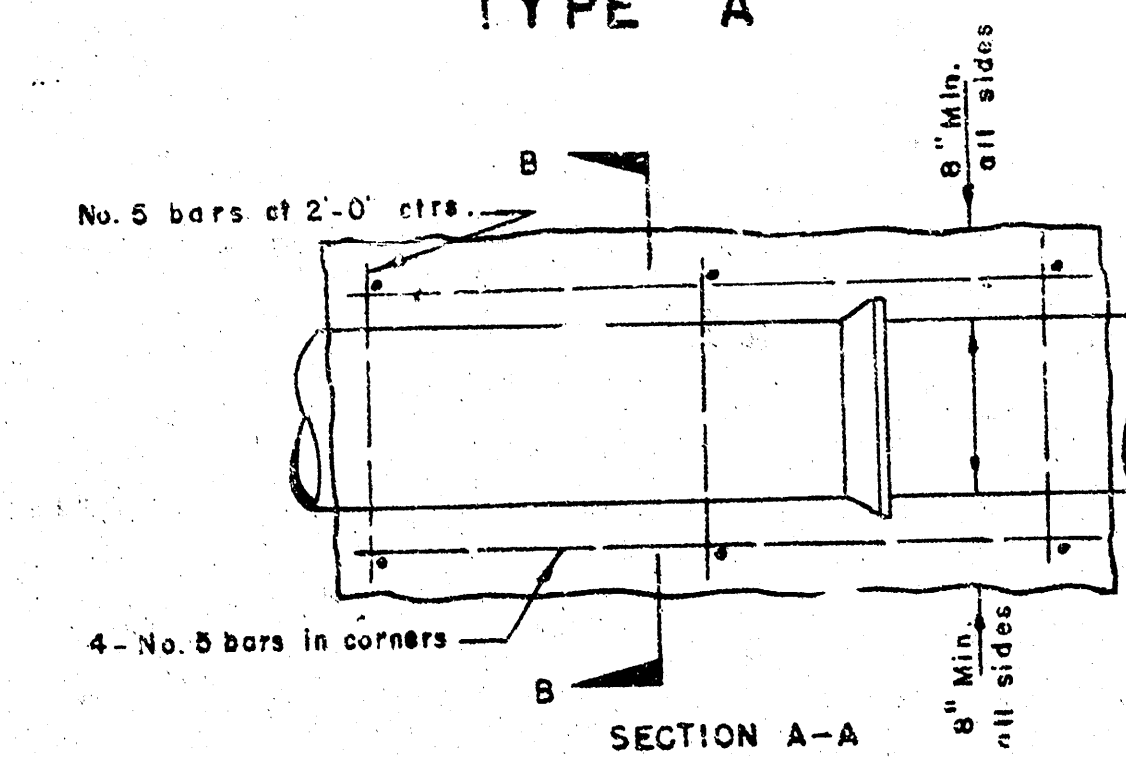


OUTSIDE DROP MANHOLE
TYPE "A"

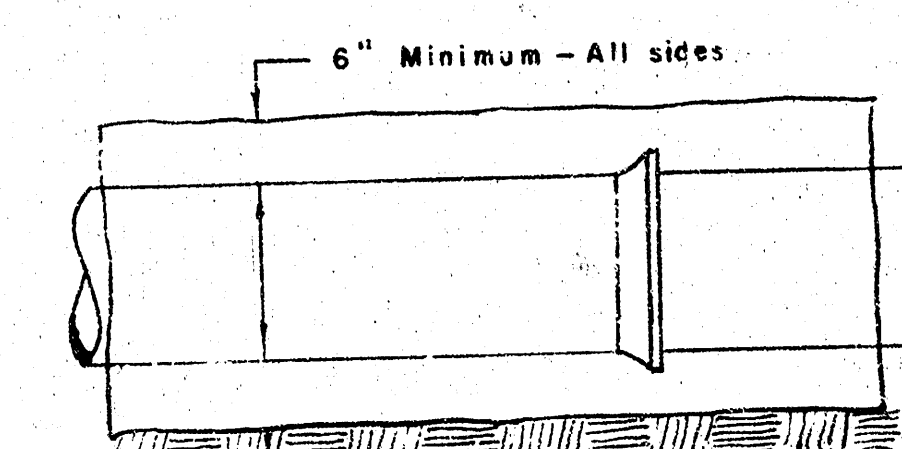
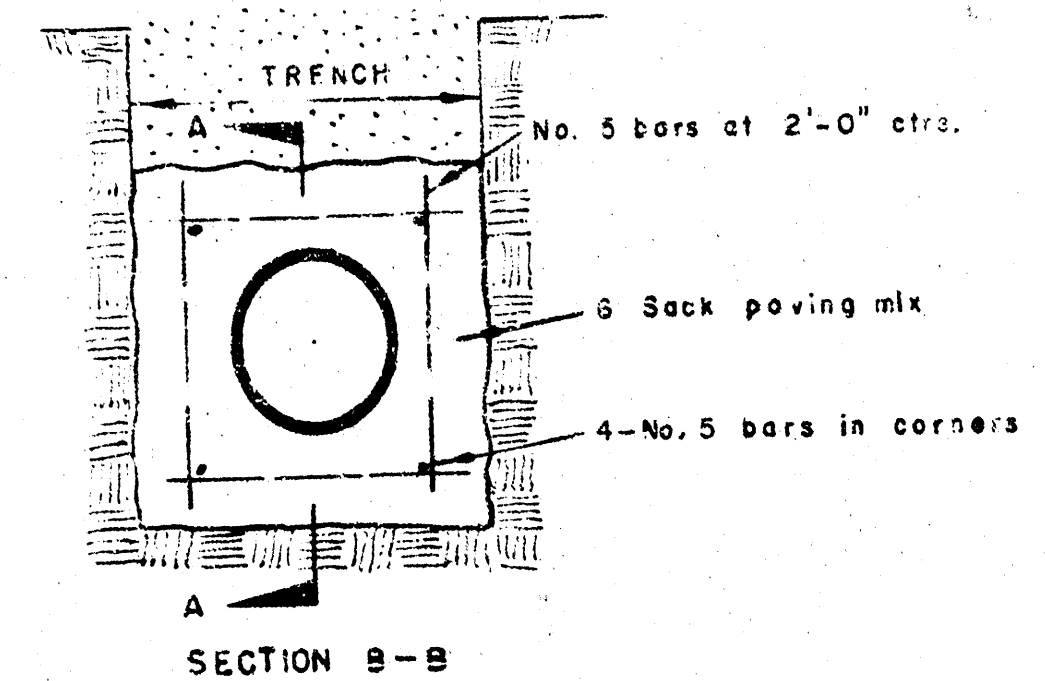


OUTSIDE DROP MANHOLE
TYPE "B"

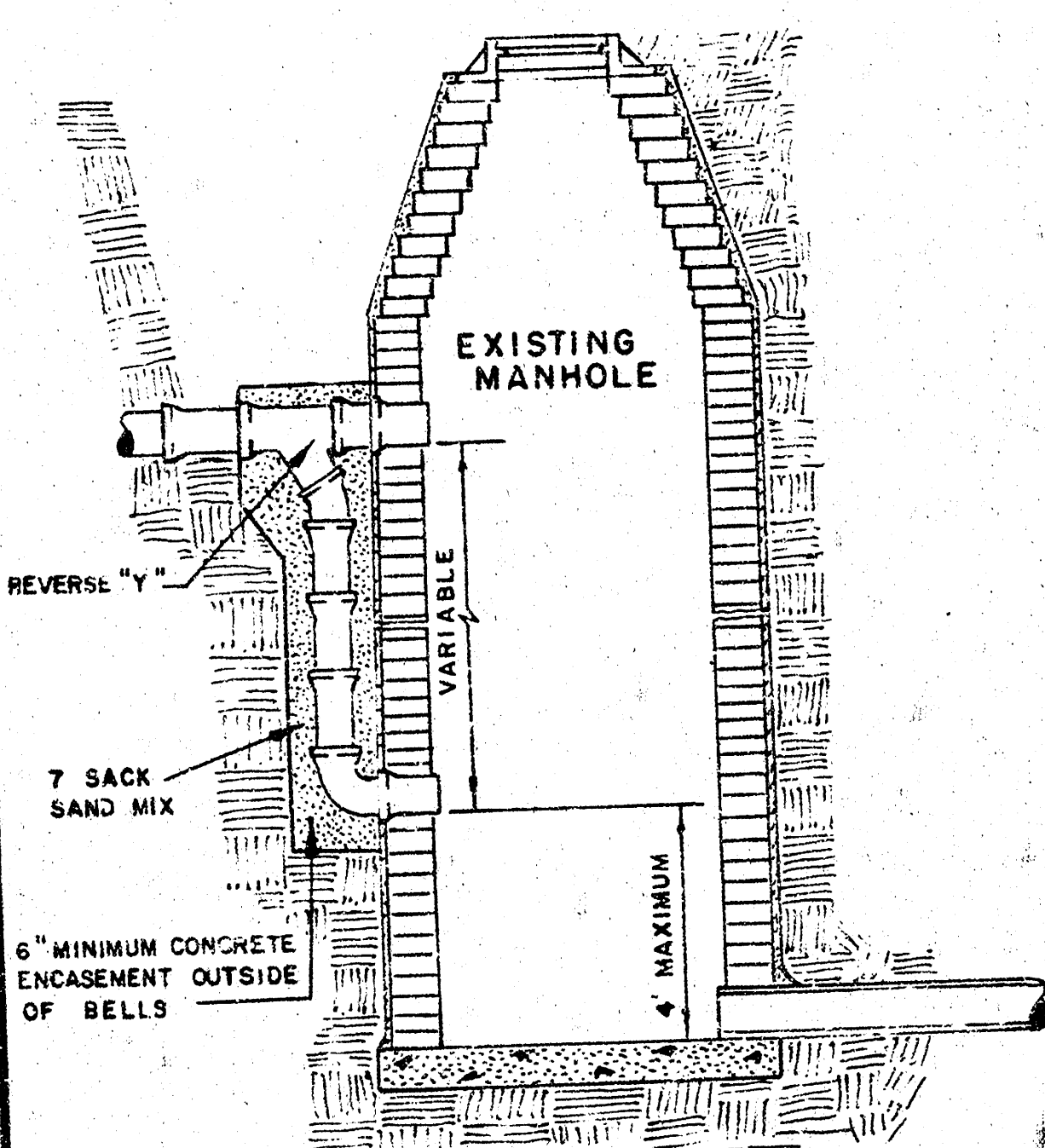
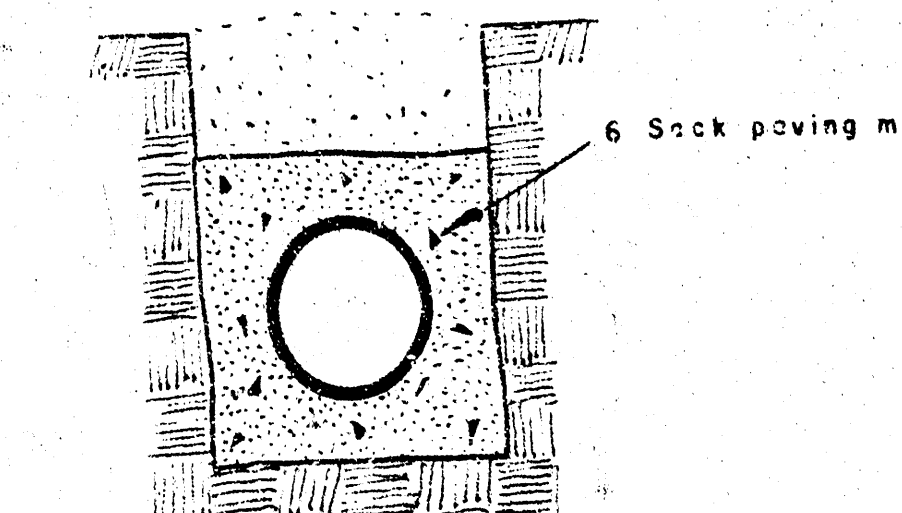
* DRAW = 6" ON 5' DIA. M.H.



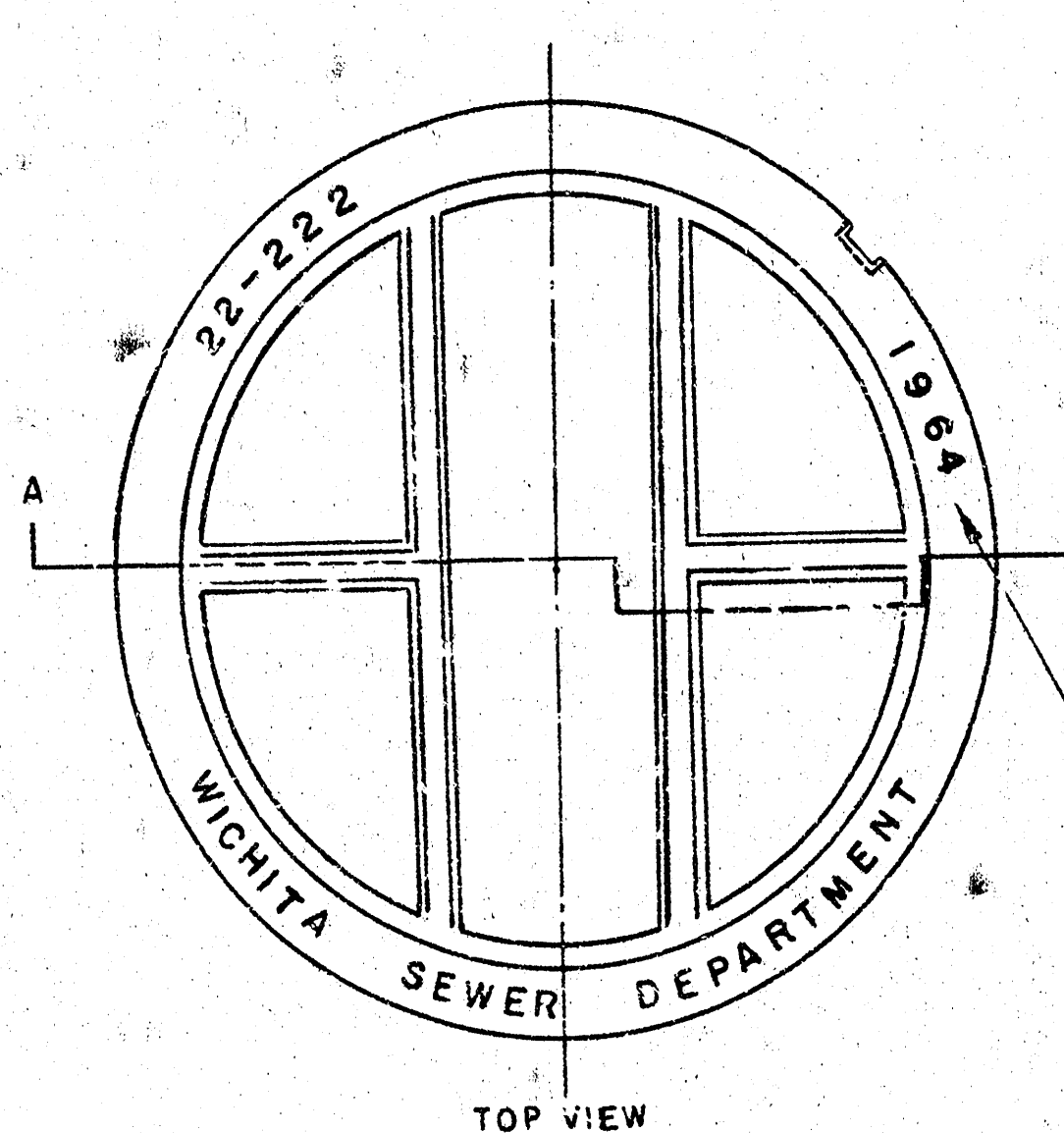
REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH



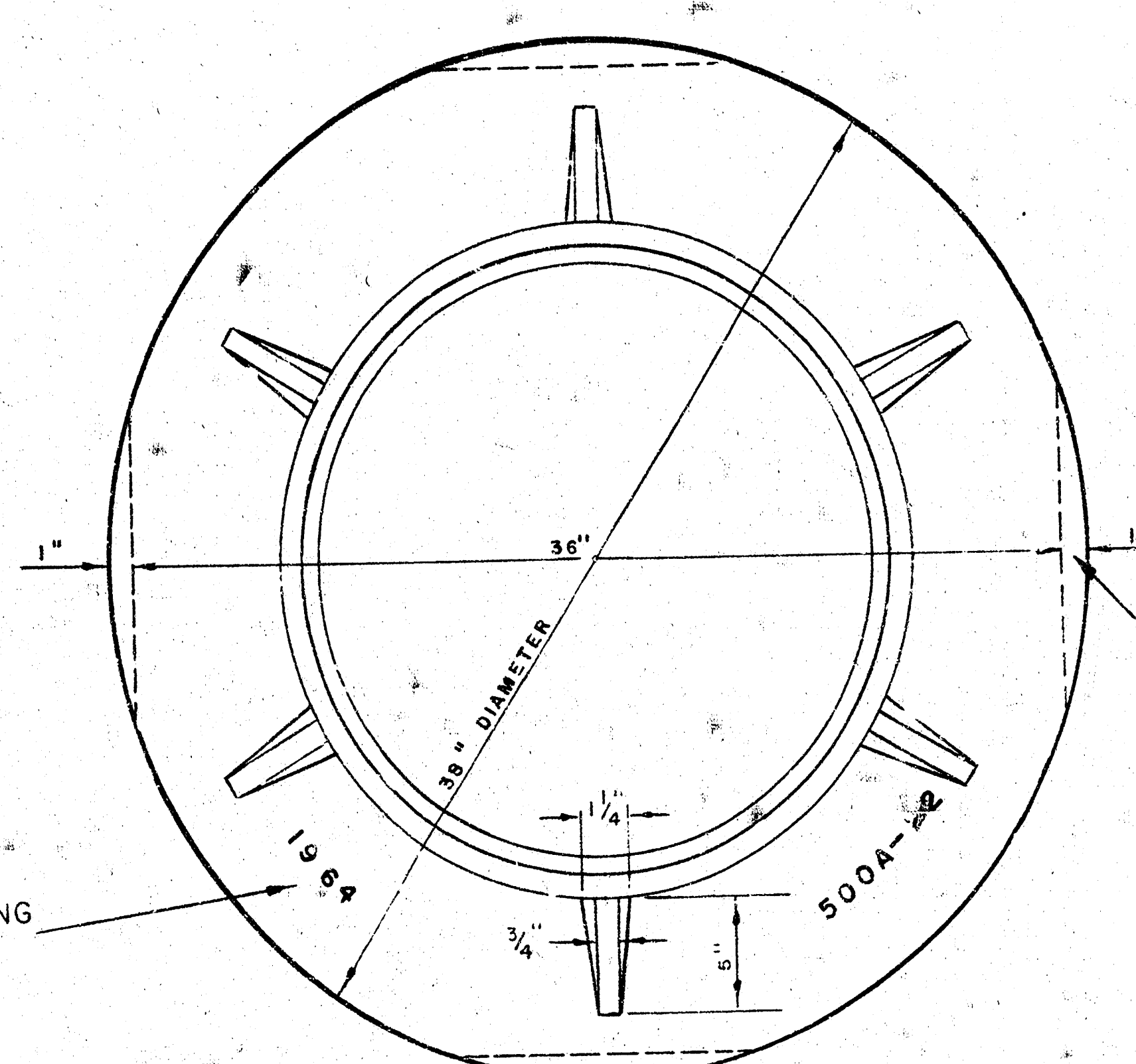
CONCRETE ENCASEMENT
FOR COVER



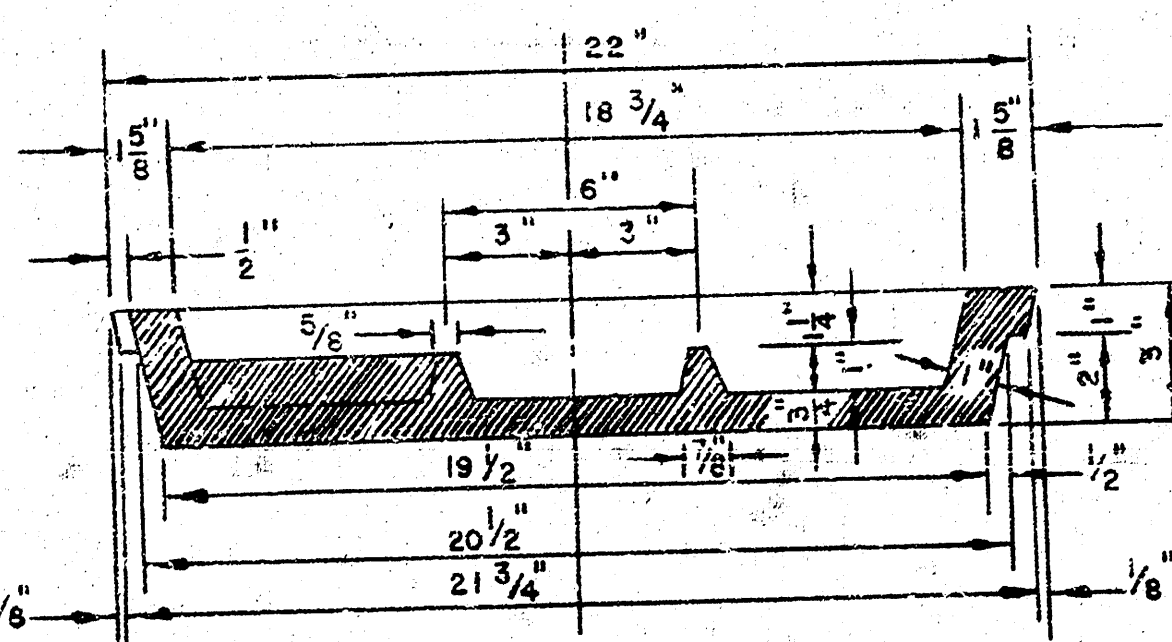
DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



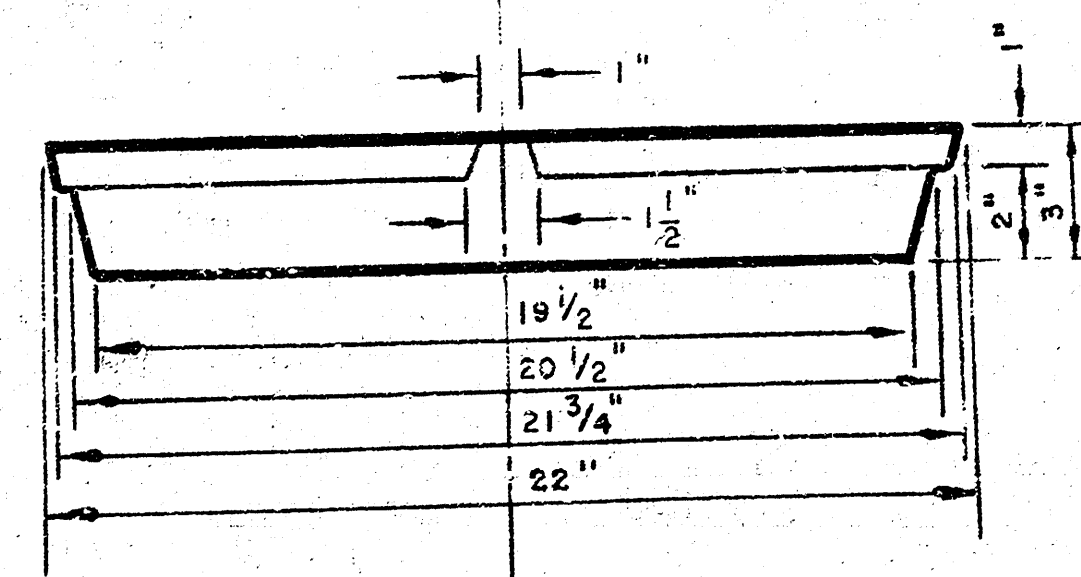
MANHOLE COVER
WEIGHT 110 lbs.



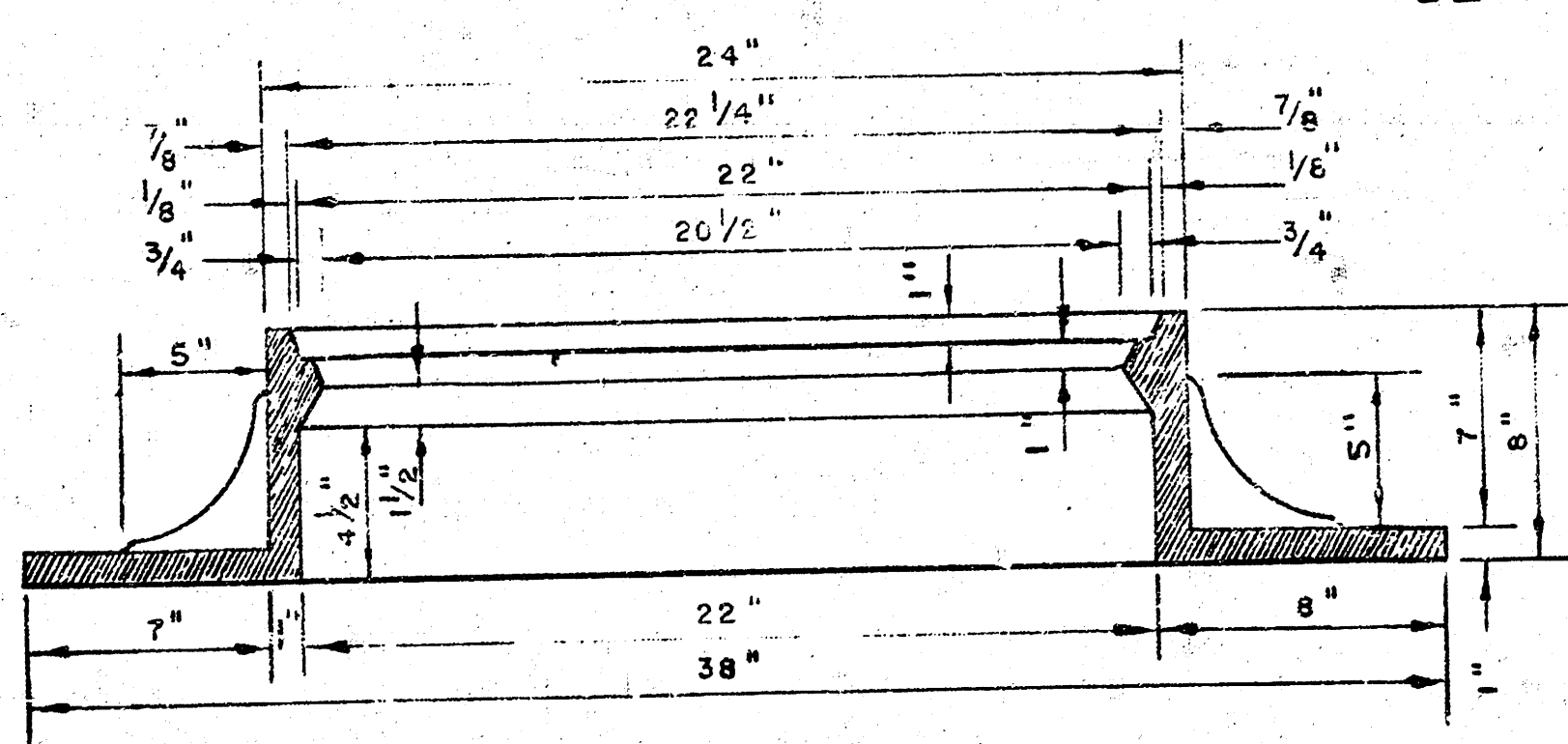
MANHOLE RING
WEIGHT 355 lbs.



MANHOLE COVER

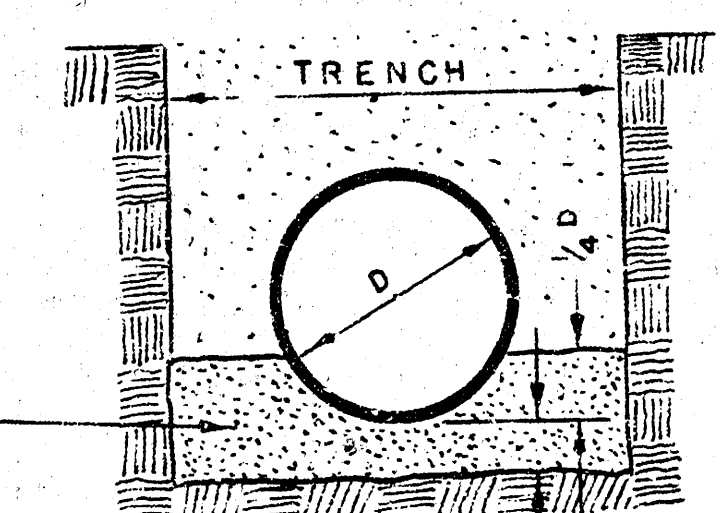


MANHOLE COVER

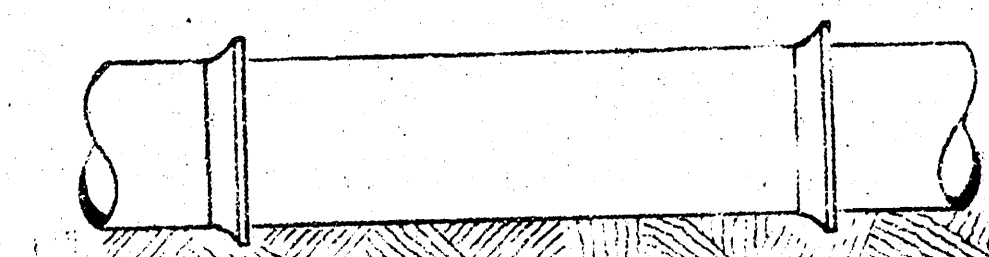


MANHOLE RING

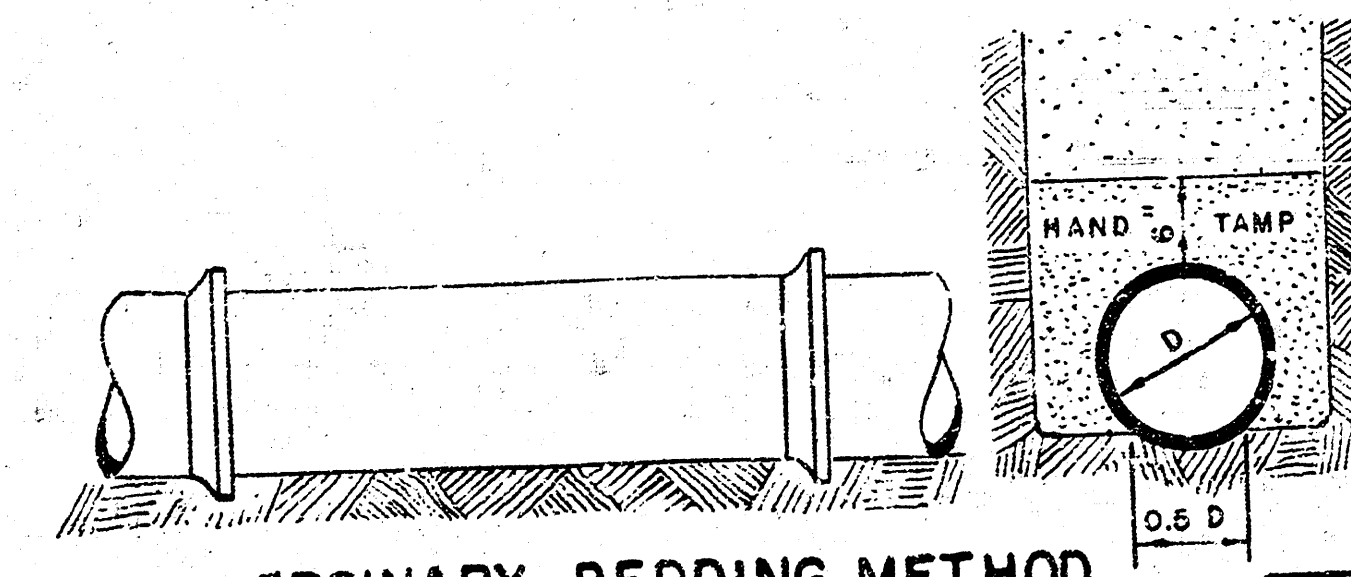
OUTSIDE CIRCUMFERENCE OF COVER
AND THE INNER FACE AND SEAT OF
RING TO BE MACHINE FIT.



DETAIL OF CONCRETE CRADLE



ORDINARY BEDDING METHOD
FOR CLAY PIPE

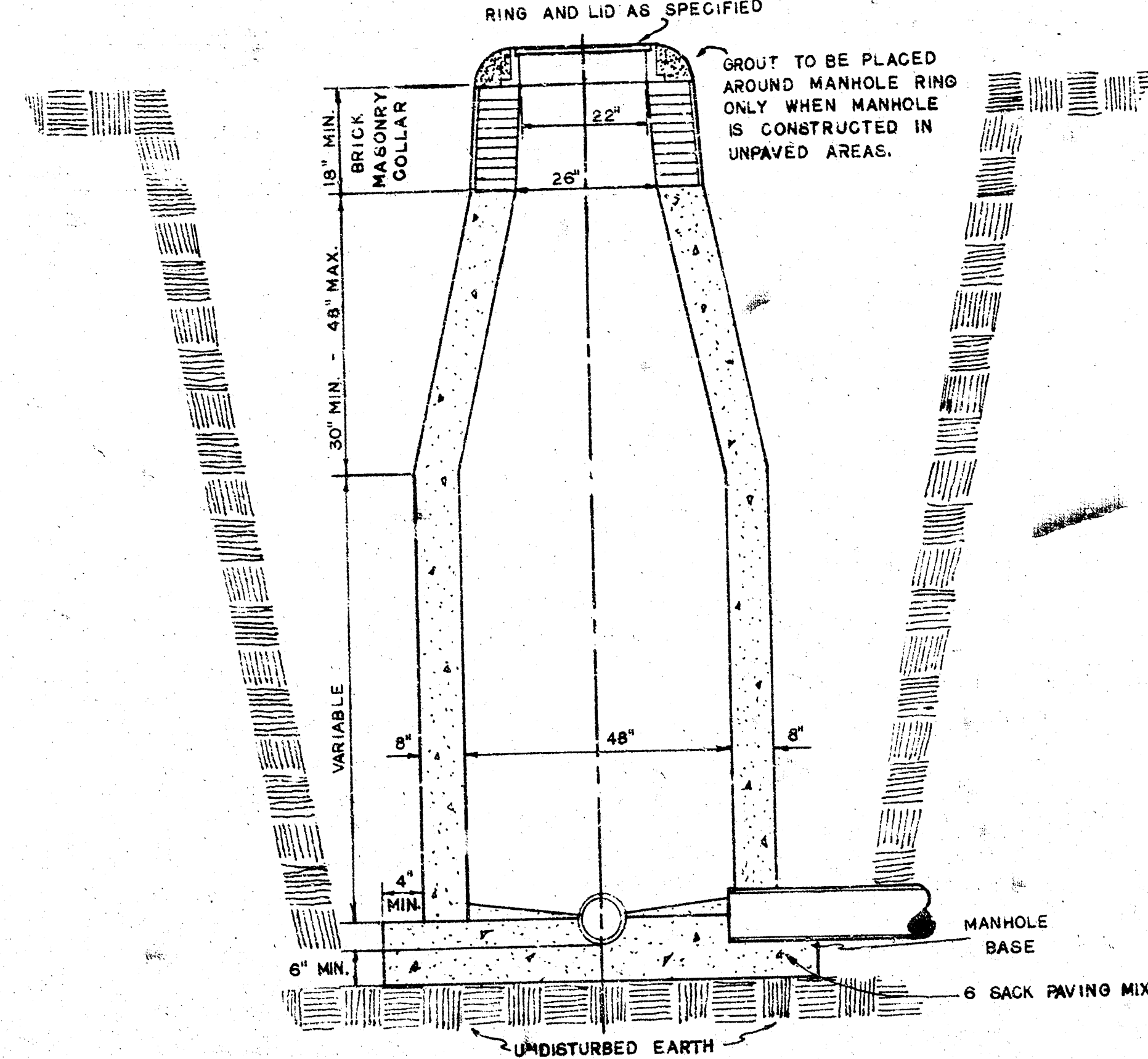


ORDINARY BEDDING METHOD
FOR REINFORCED CONCRETE PIPE

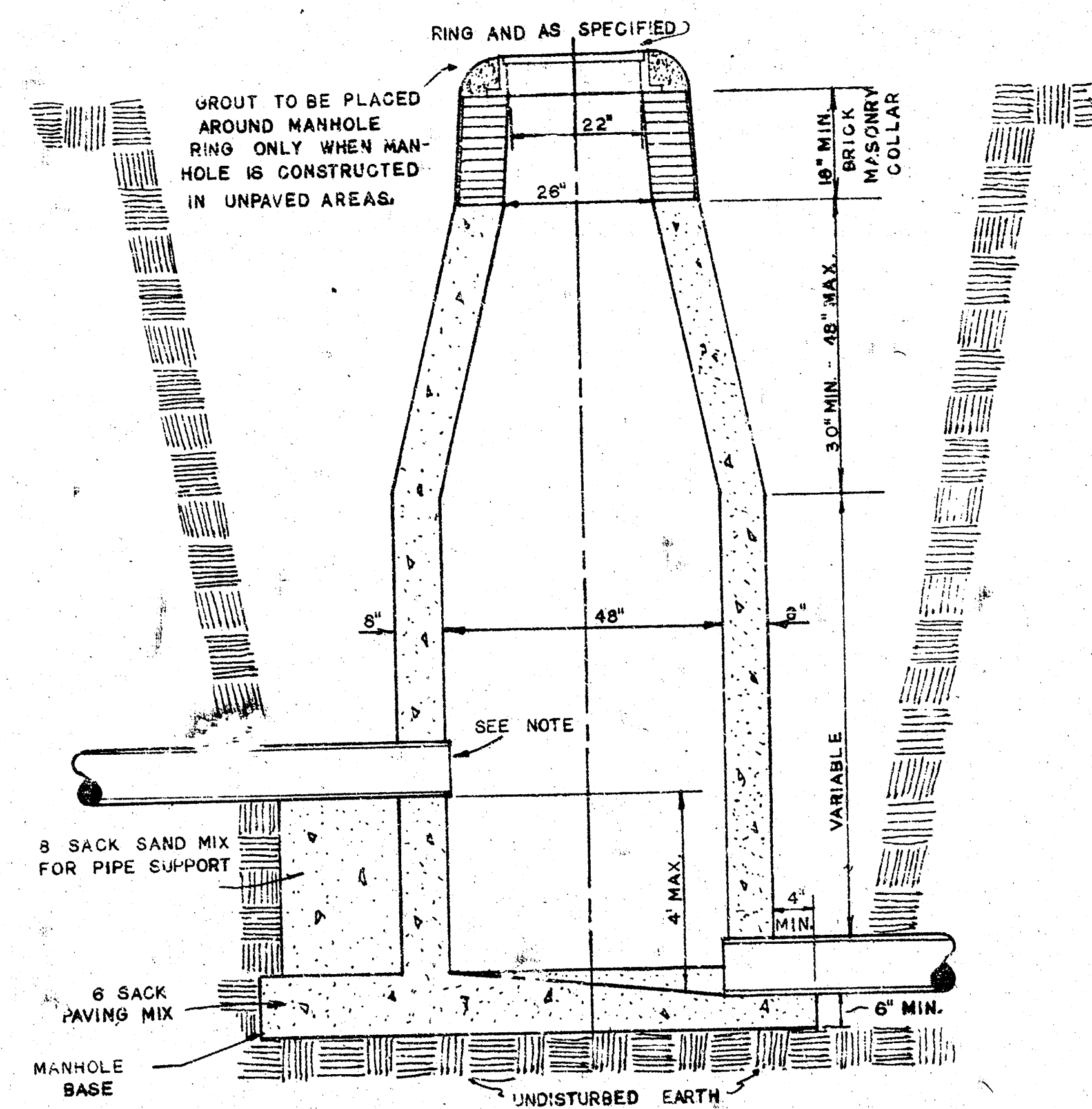
MANHOLES
THE CONCRETE USED FOR MORTAR IN
MANHOLES SHALL CONTAIN 8 SACKS OF
CEMENT PER CU. YD.
STANDARD MANHOLES AND DROP
MANHOLES, REGARDLESS OF DIAMETER,
SHALL BE BID AT ONE PRICE AS
STANDARD MANHOLES.
SINGLE OR DOUBLE OUTSIDE
DROP MANHOLES SHALL BE BID AT ONE
PRICE AS OUTSIDE DROP MANHOLES.
ALL MANHOLES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

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1964

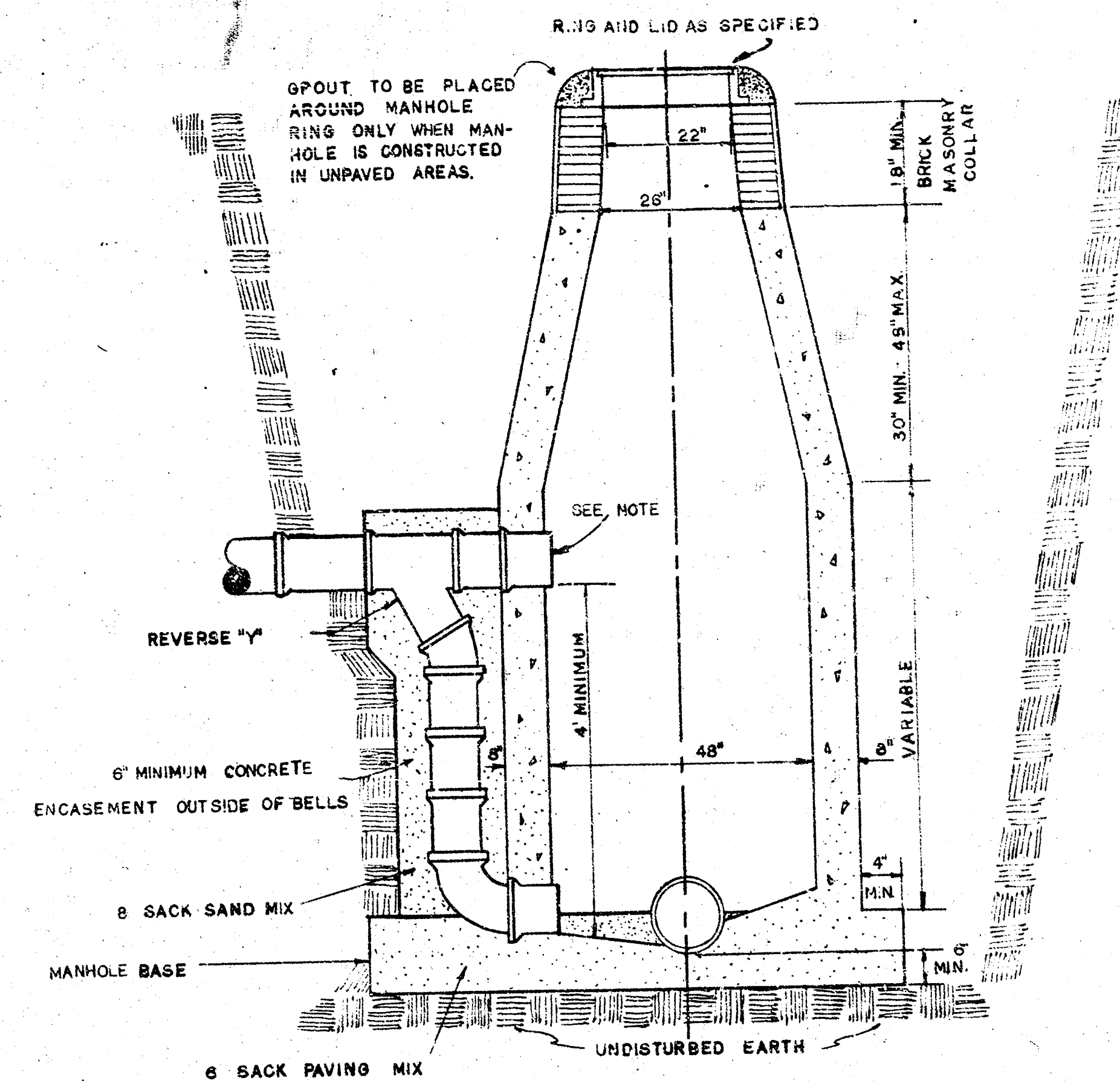
STANDARD MANHOLE, TYPE "C"



DROP MANHOLE, TYPE "C"



OUTSIDE DROP MANHOLE, TYPE "C"



GENERAL NOTES

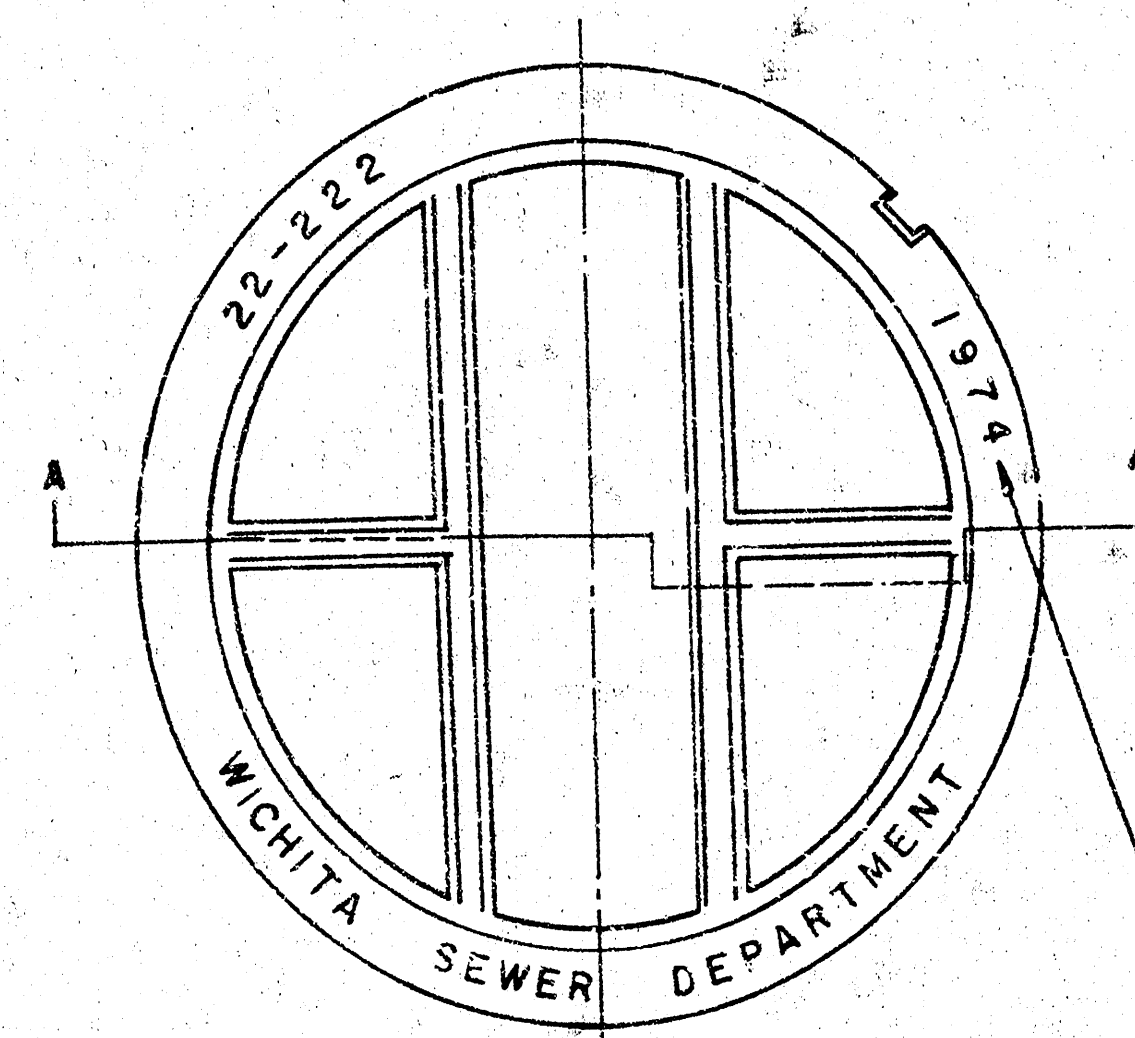
MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.

STANDARD MANHOLES TYPE "C" AND STANDARD DROP MANHOLES TYPE "C" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED.

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

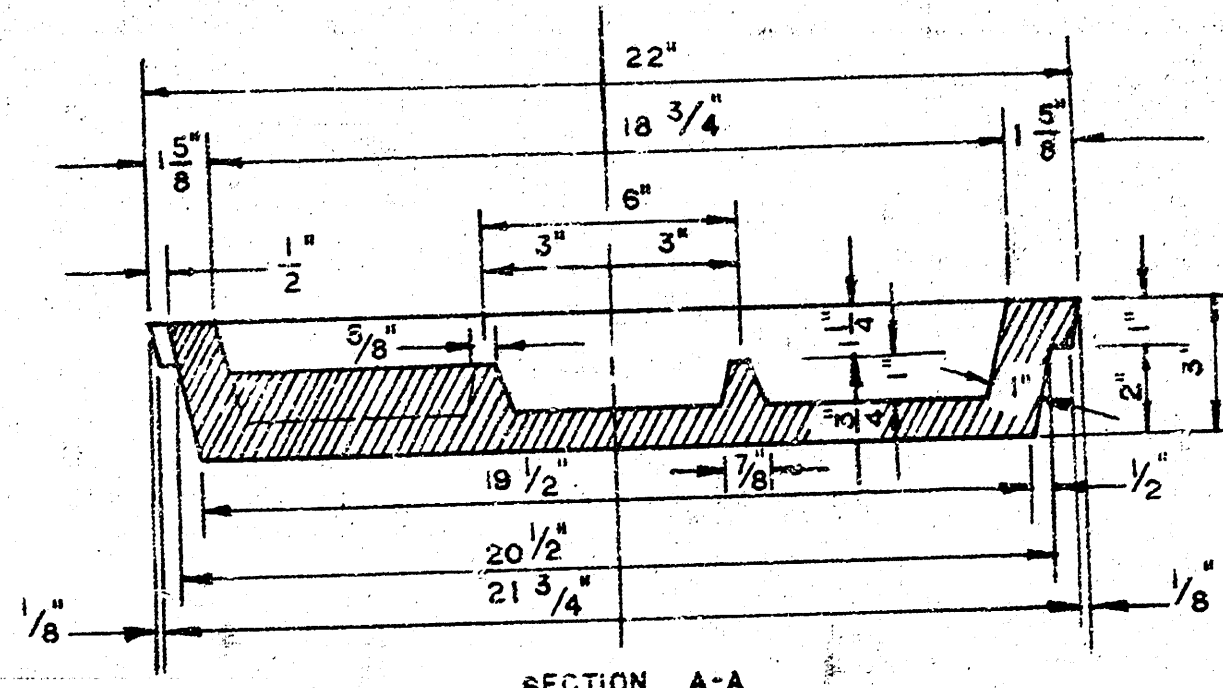
THE FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

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

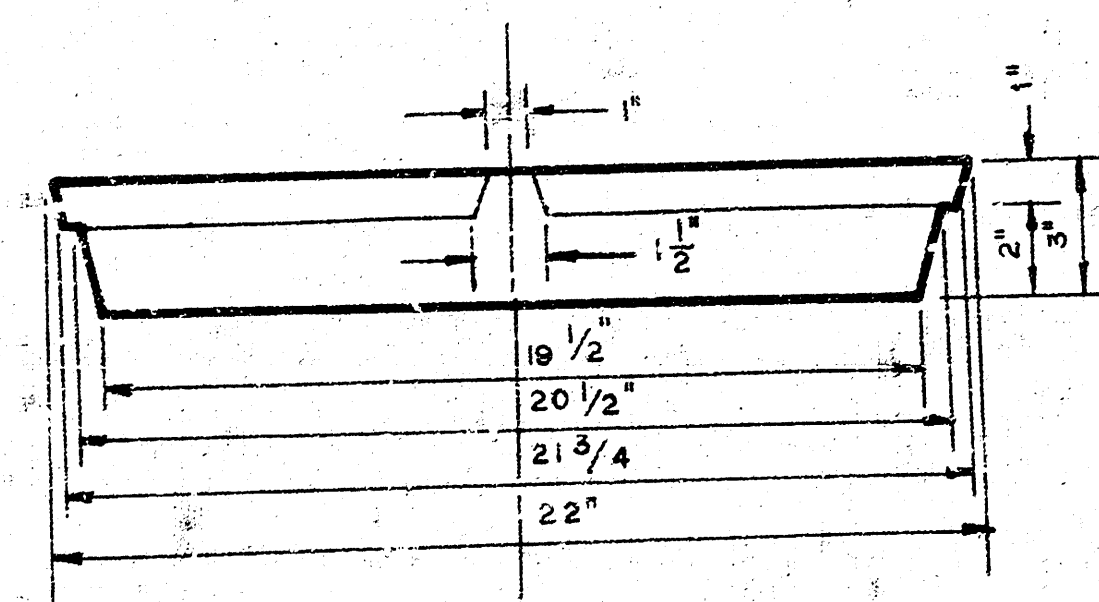


MANHOLE COVER

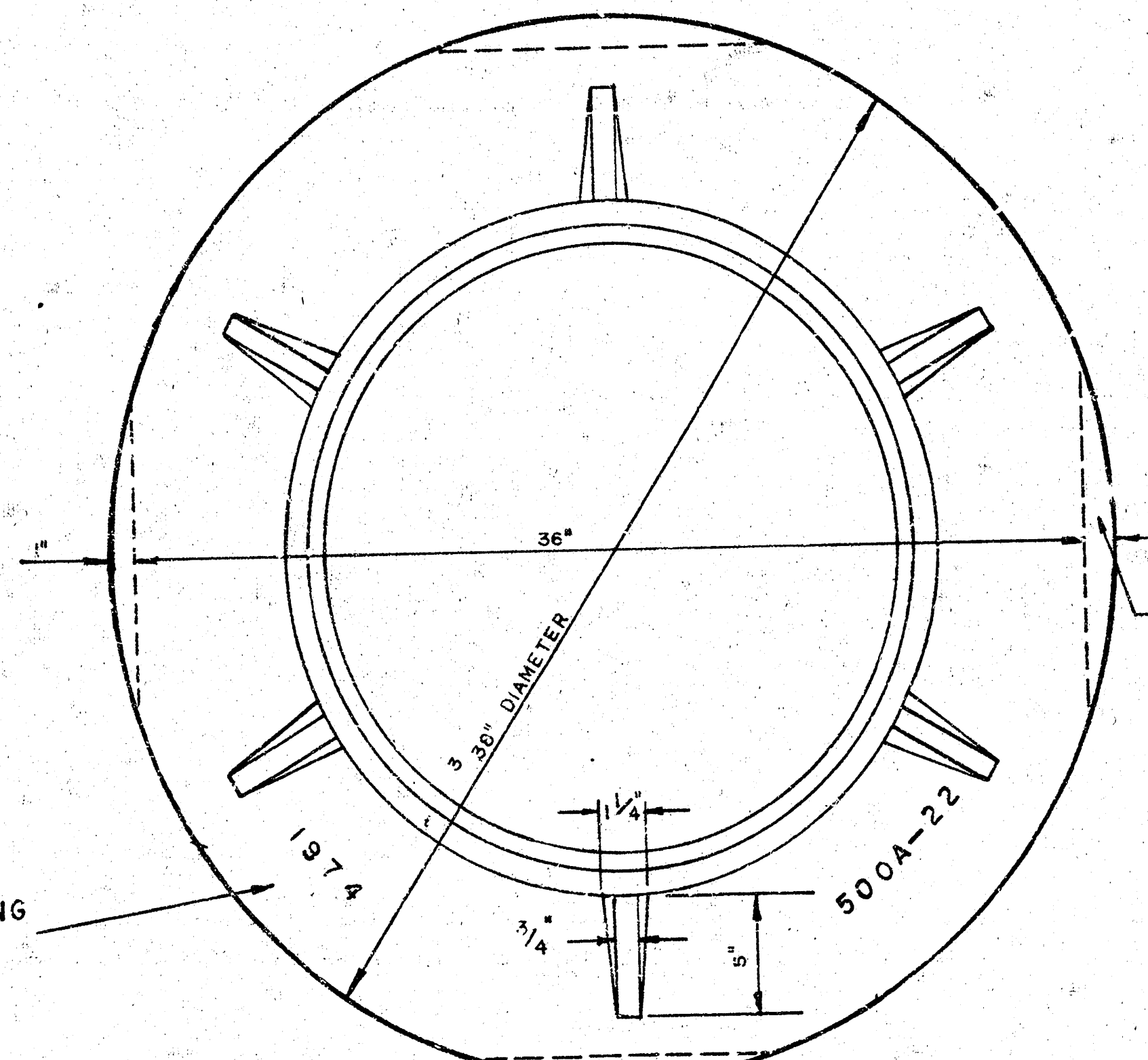
WEIGHT 110 LBS.



MANHOLE COVER



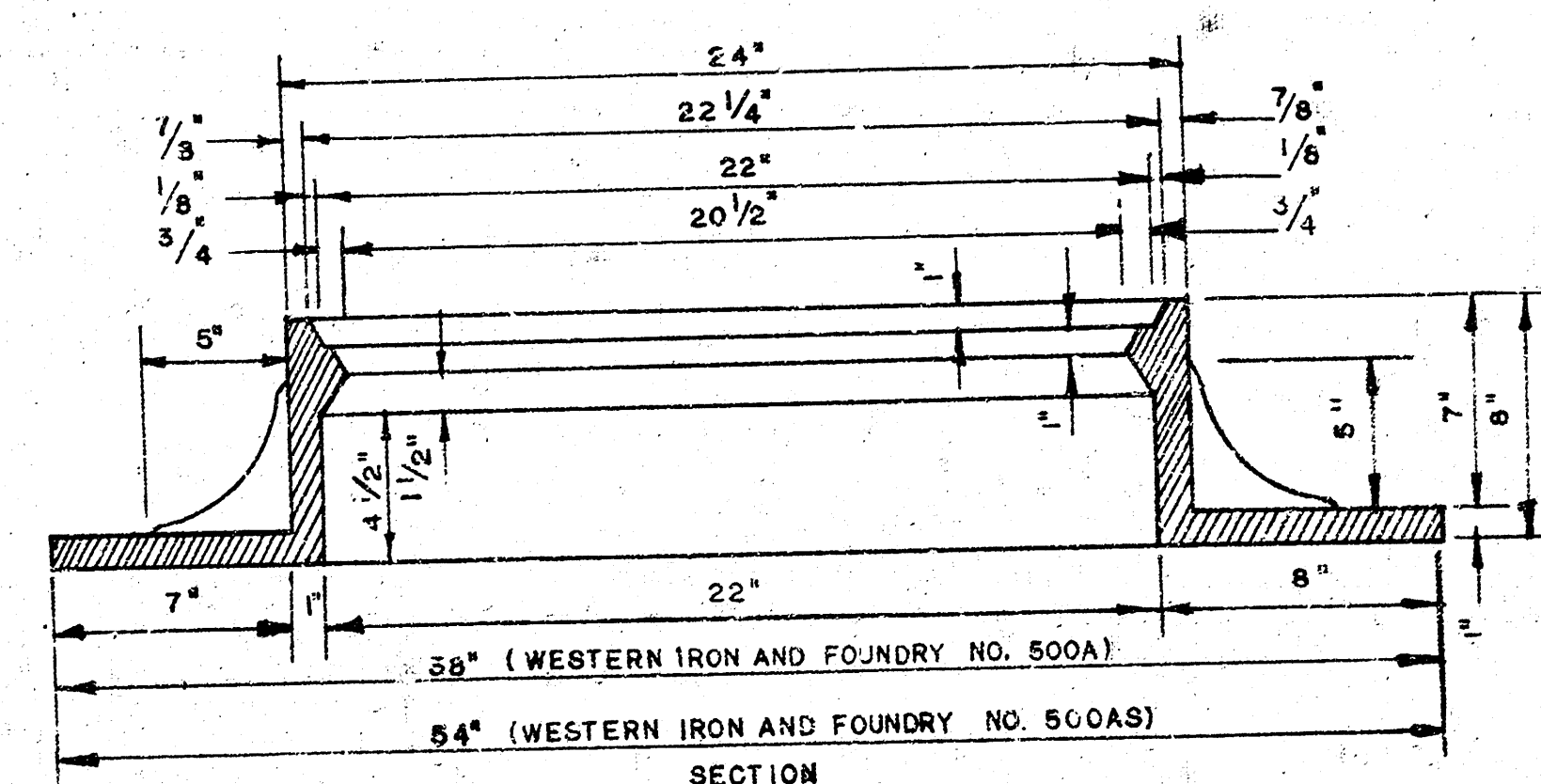
MANHOLE COVER



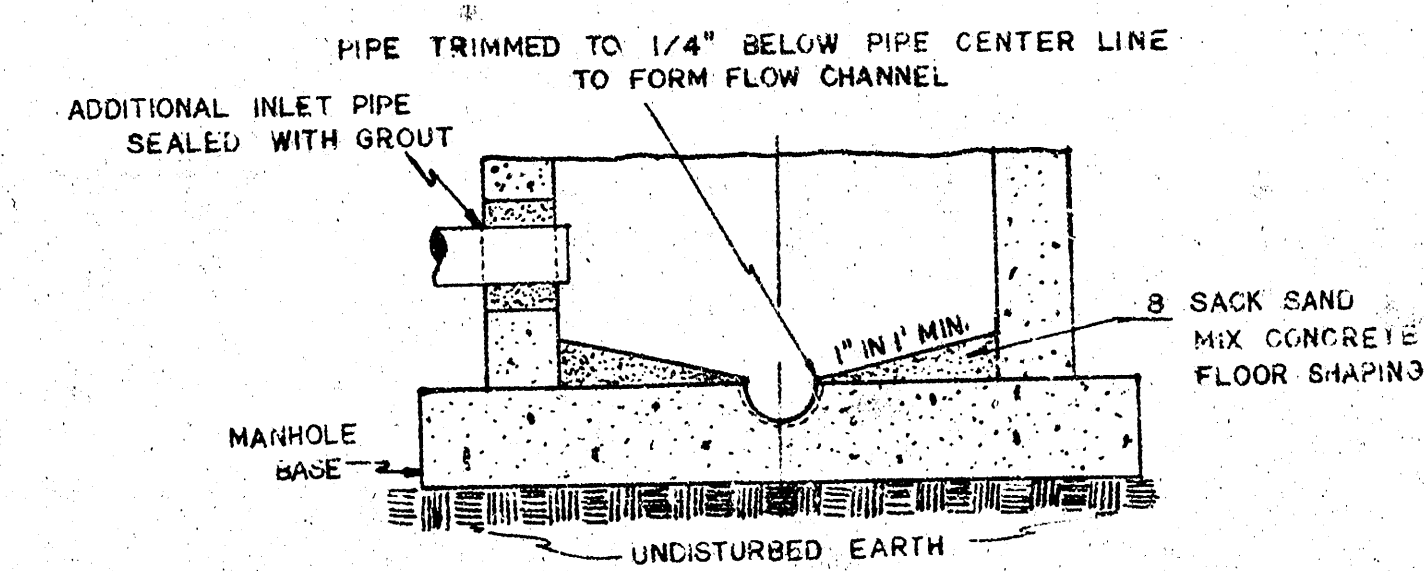
MANHOLE RING

WEIGHT 325 LBS. RING NO. 500A
WEIGHT 800 LBS. RING NO. 500AS

OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.



MANHOLE RING



SECTIONAL ELEVATION-INVERT

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

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN

BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1974