

LATERAL 1, MAIN 7, S.S. NO. 23

PROJECT NO. DBKL 574091

CITY OF WICHITA, KANSAS

R.W. LINN CITY ENGINEER

SEPTEMBER, 1974

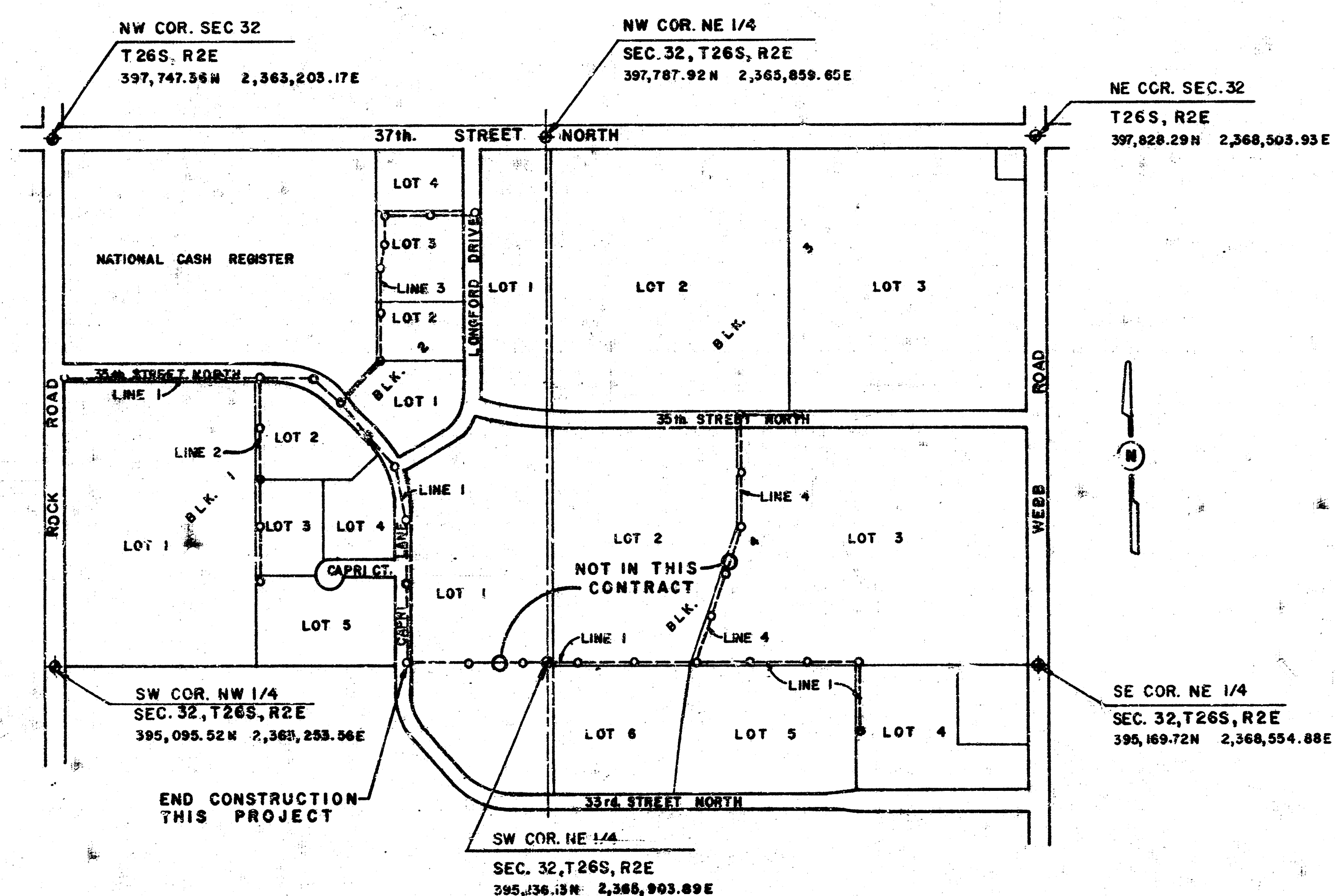
NOTES:

Sand Backfill in place including cost of sand, placing, jetting and vibrating shall be included in the price bid for Lin. Ft. of sewer pipe.

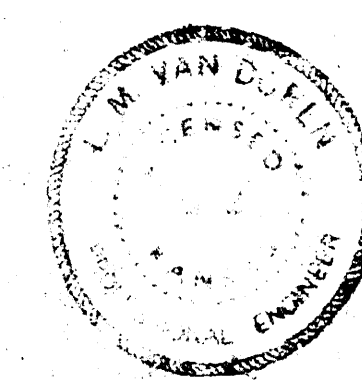
The cost of clearing right of way to facilitate construction of sanitary sewers shall be incidental to the project.

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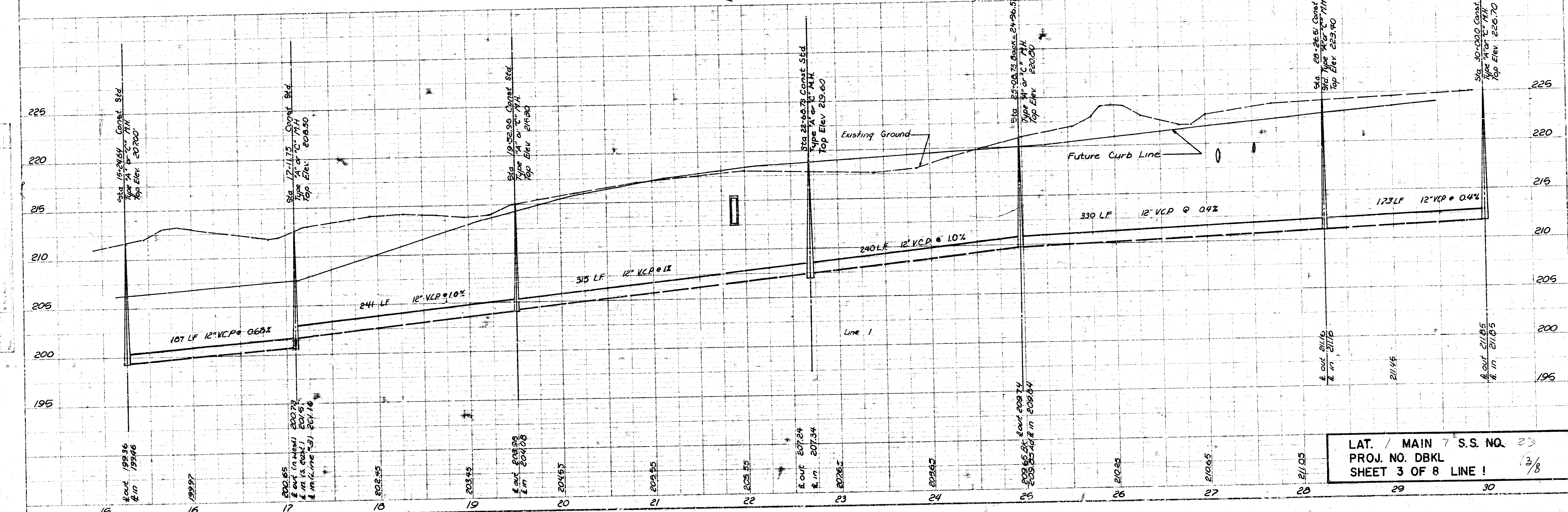
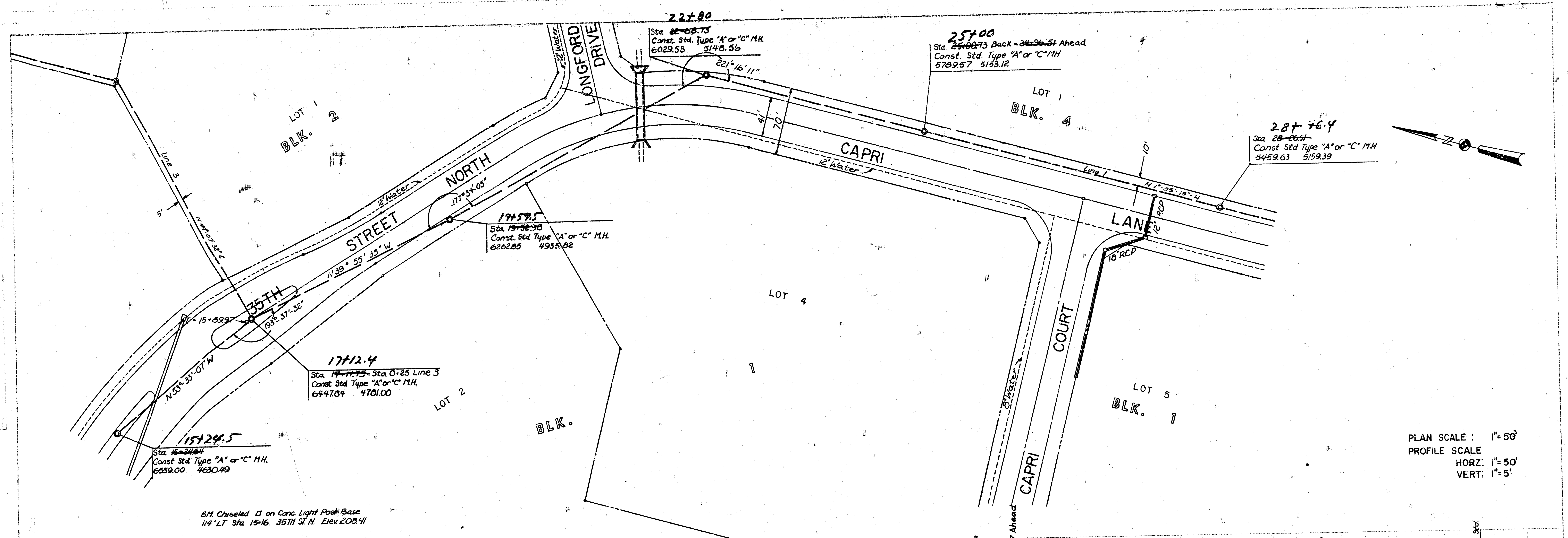


LOCATION MAP



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

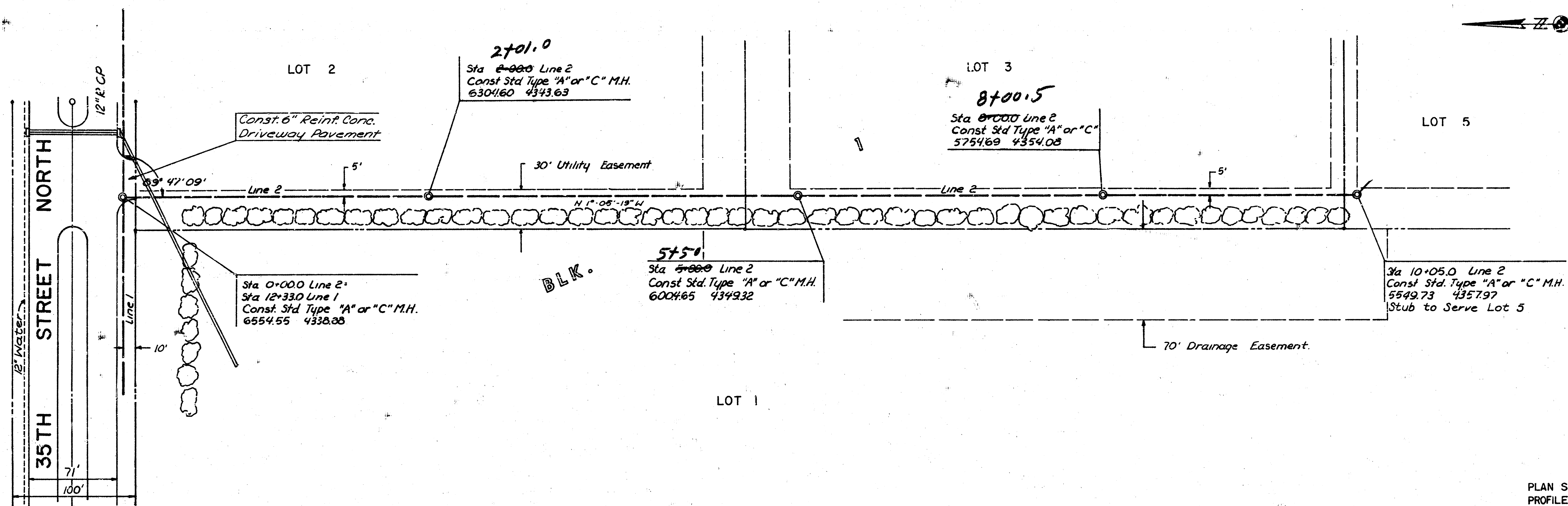
SHEET
1
OF 8



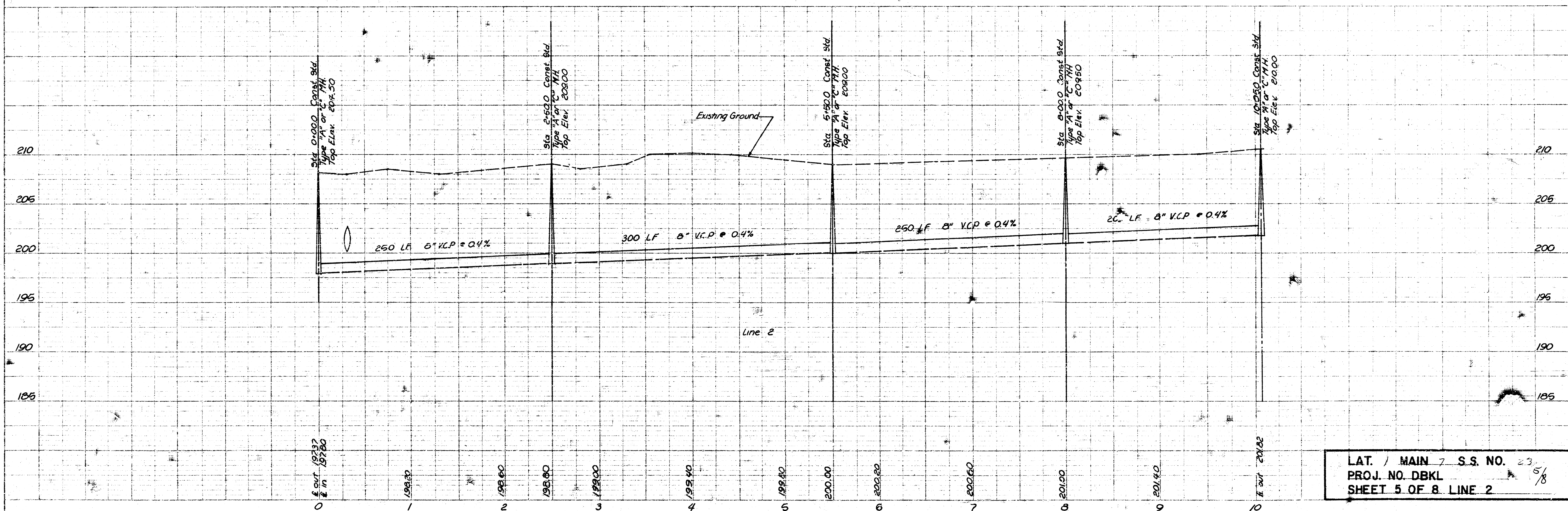
LAT. / MAIN 7 S.S. NO. 23
 PROJ. NO. DBKL
 SHEET 3 OF 8 LINE 1 3/8

PLAN
Scale: 1"=50'

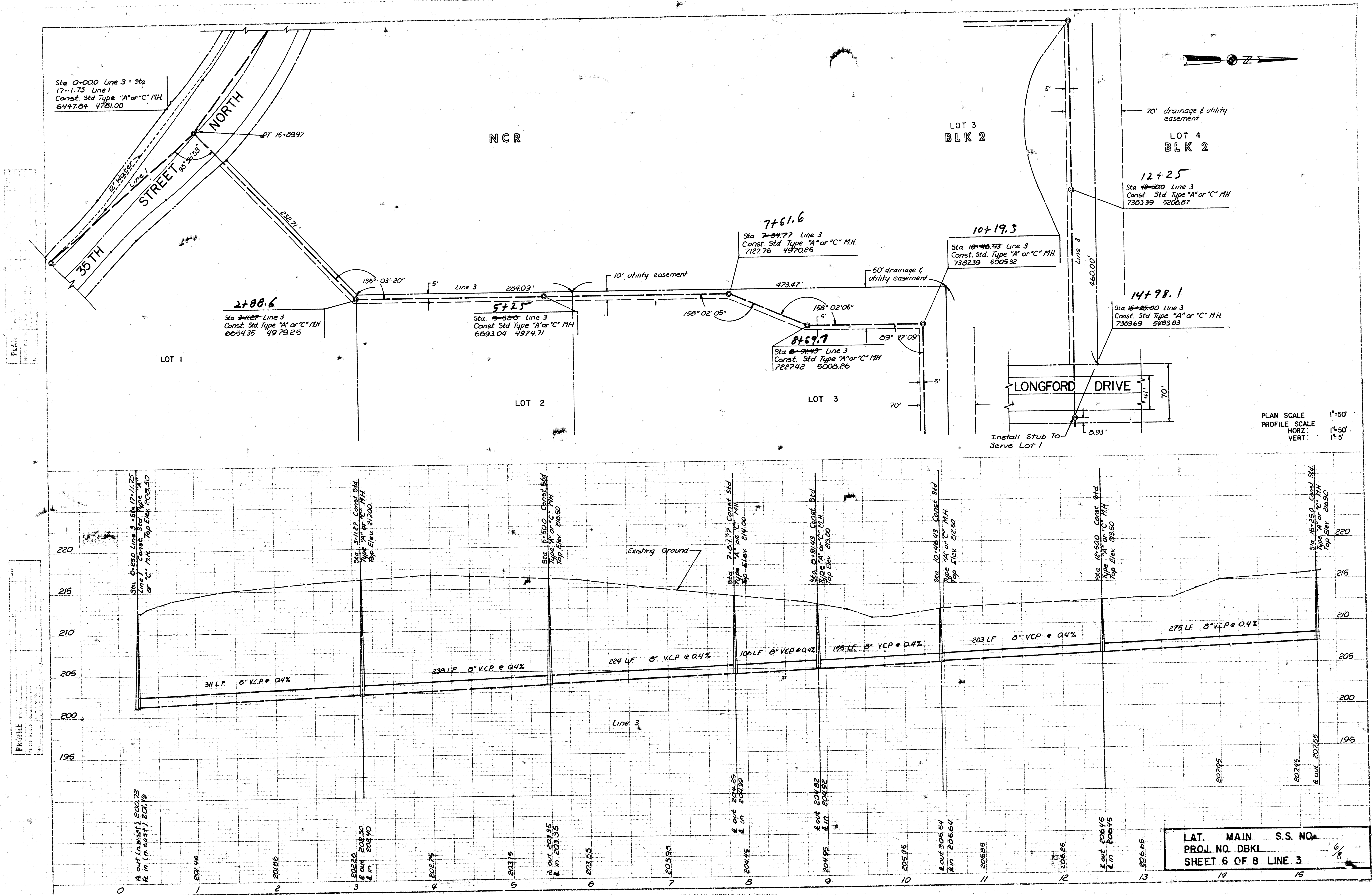
PROFILE
Scale: 1"=50'

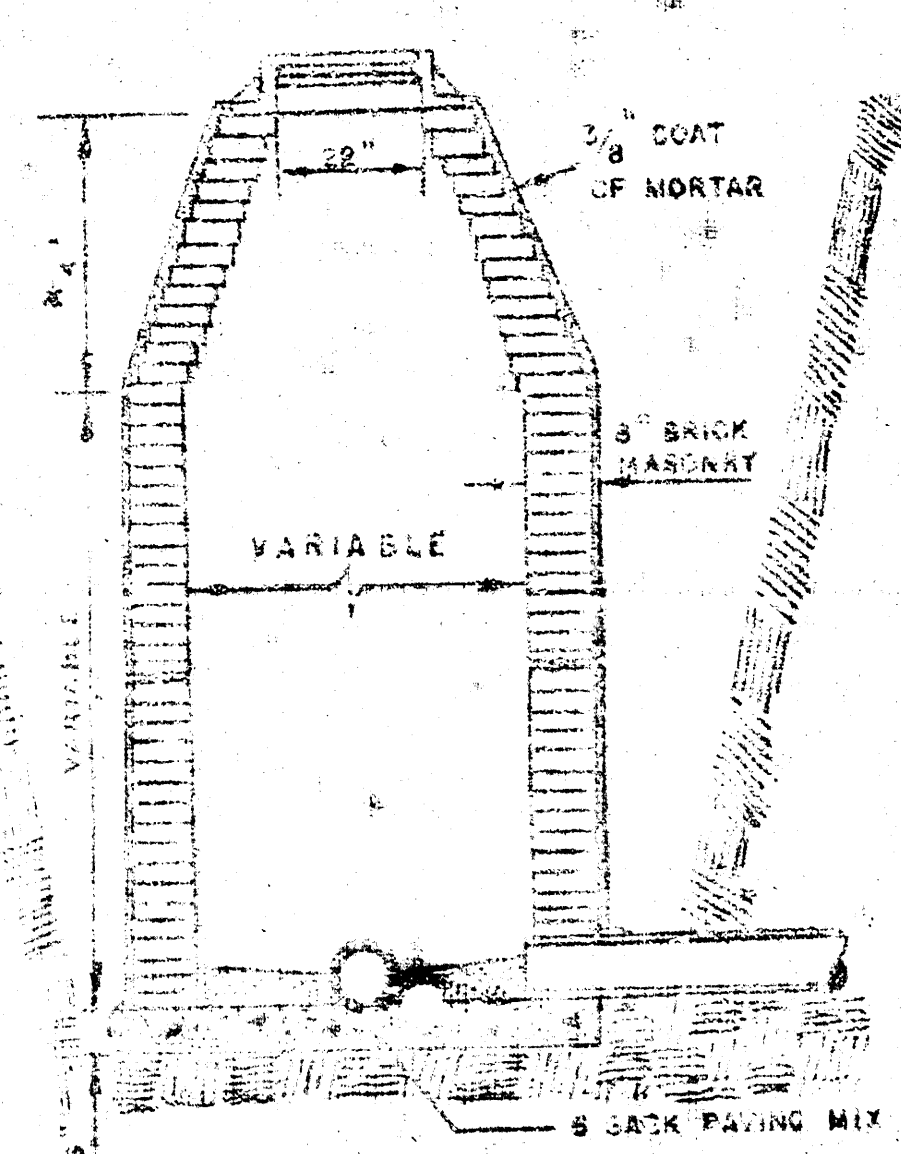


PLAN SCALE 1"=50'
PROFILE SCALE 1"=50'
HORIZ. 1"=50'
VERT. 1"=50'

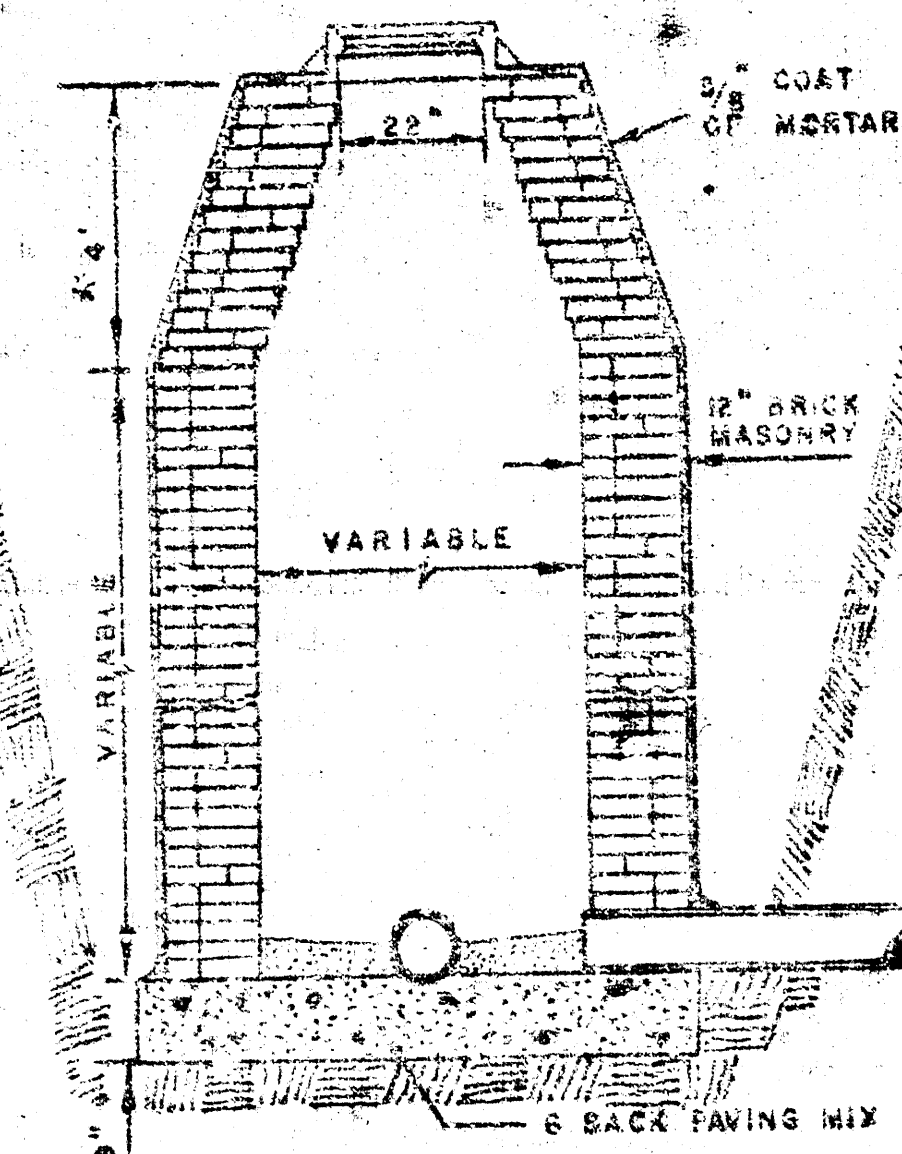


LAT. / MAIN 7 S.S. NO. 23
PROJ. NO. DBKL
SHEET 5 OF 8 LINE 2

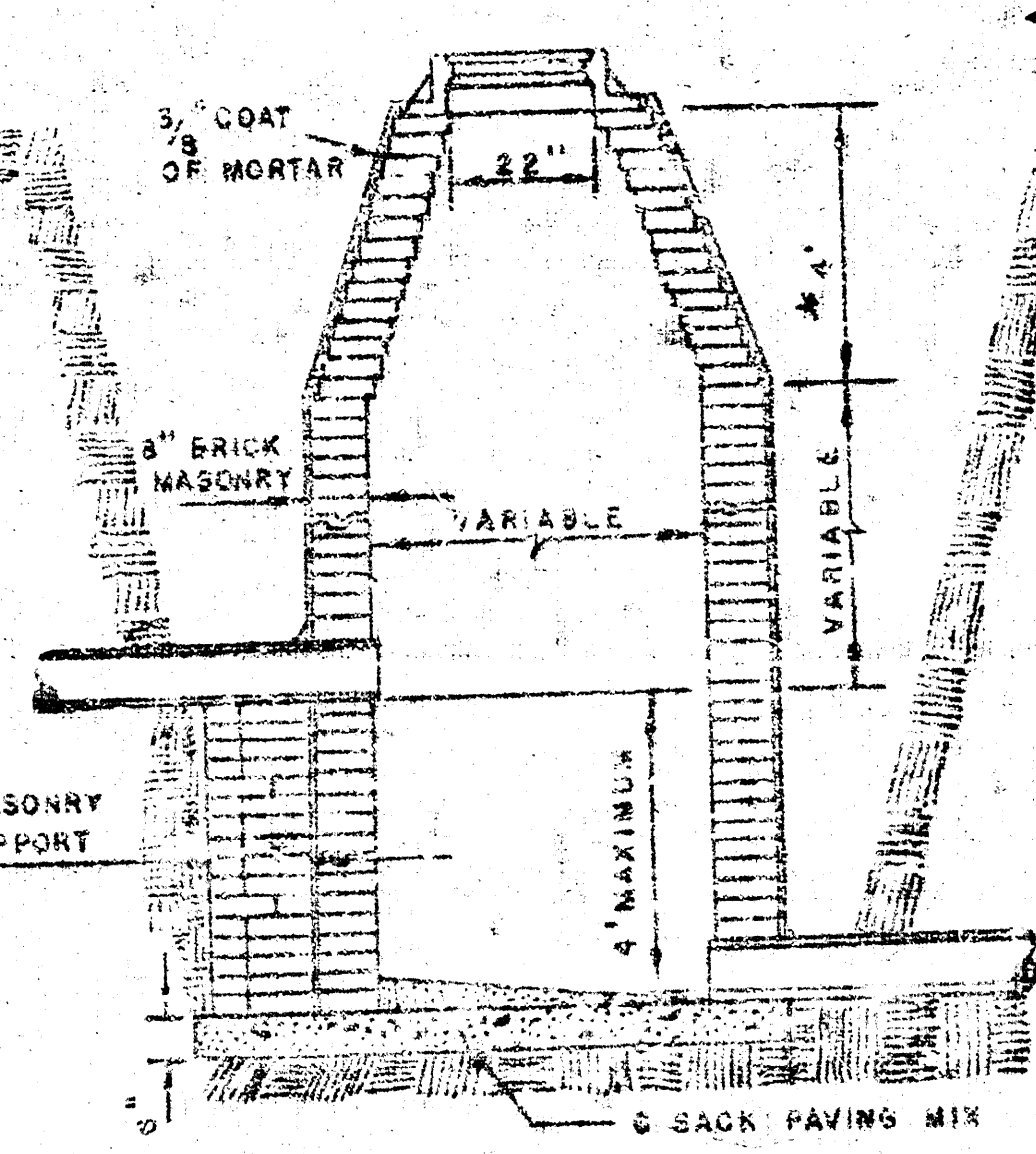




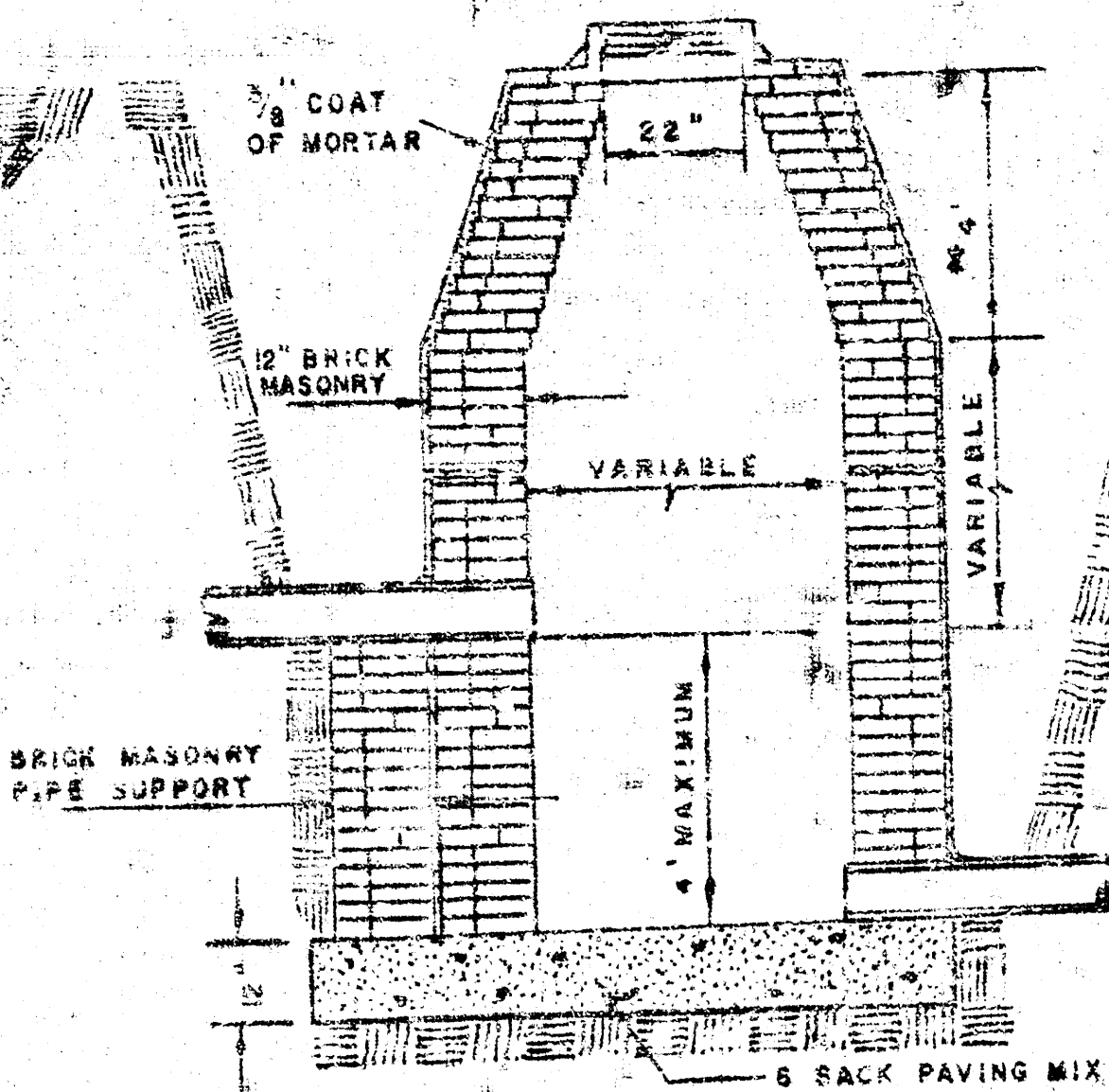
STANDARD MANHOLE
TYPE "A"



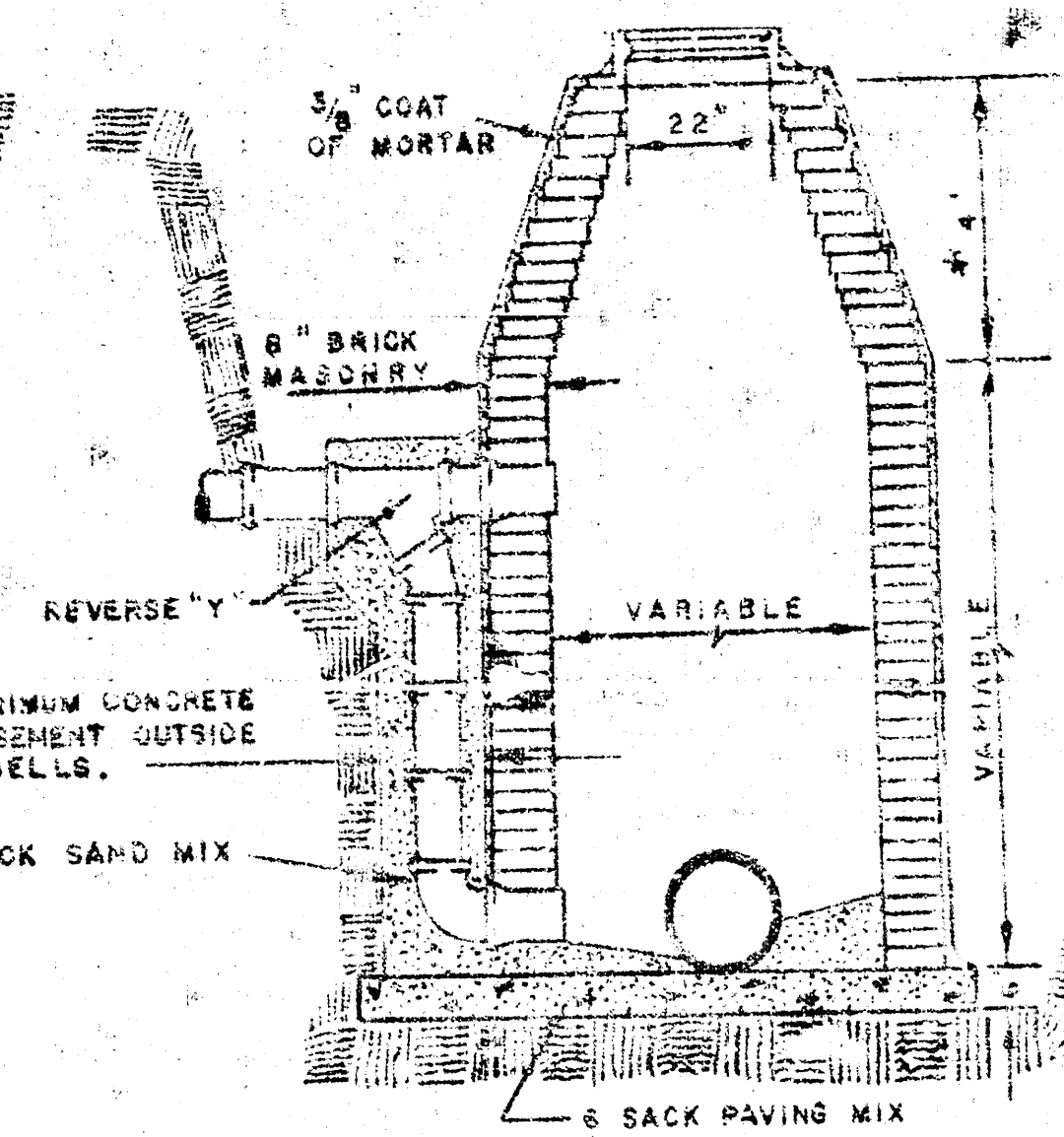
STANDARD MANHOLE
TYPE "B"



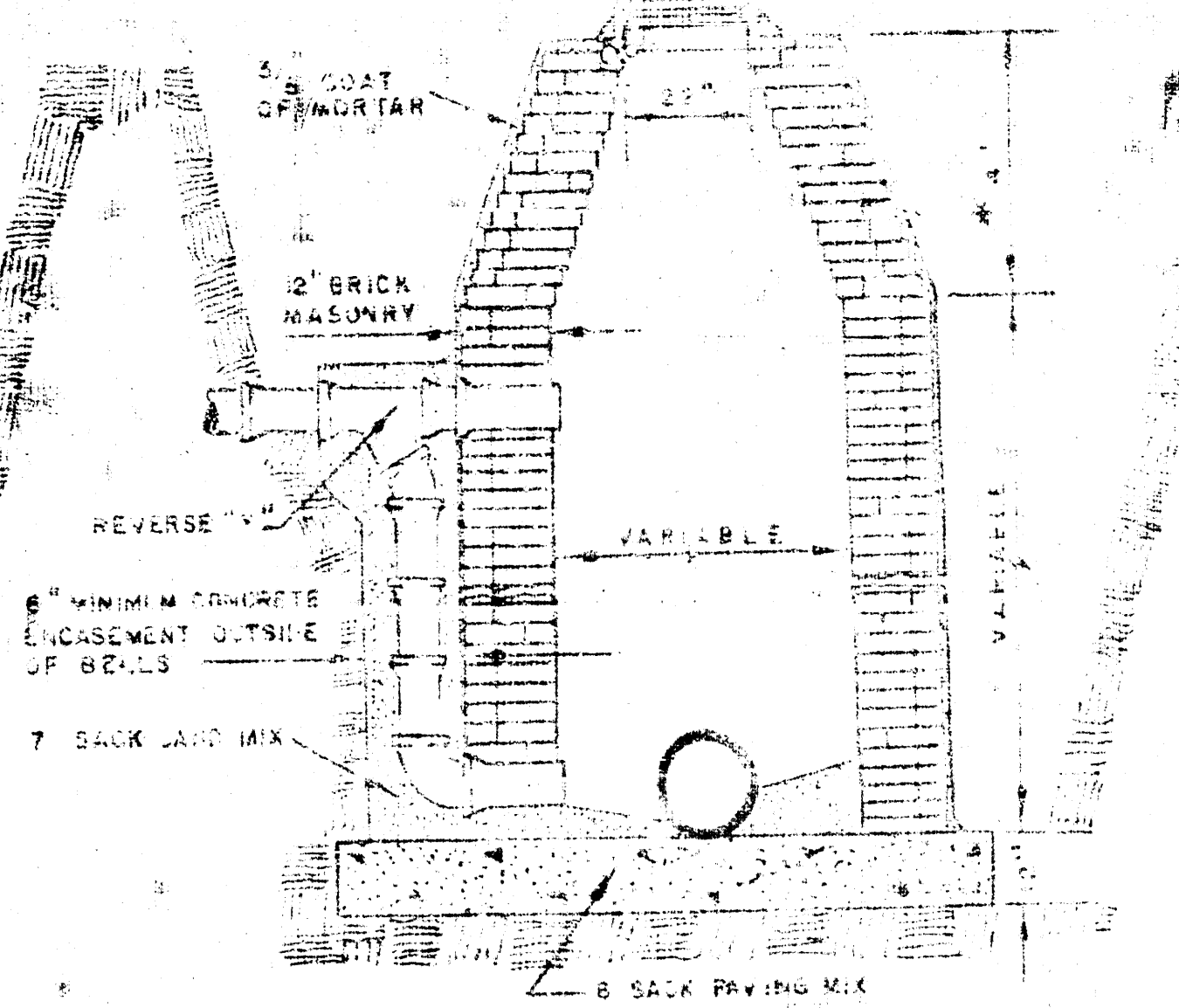
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

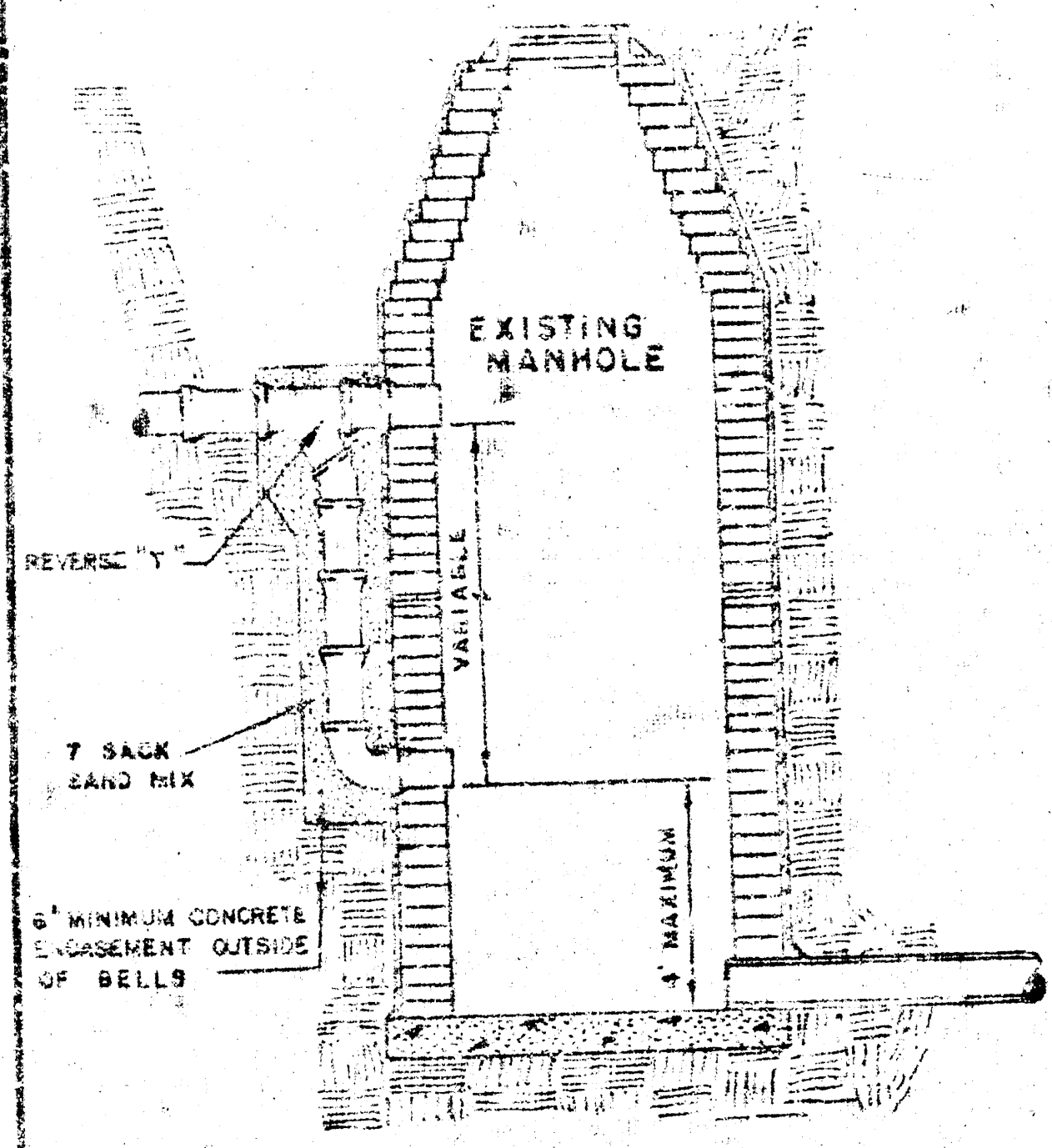


OUTSIDE DROP MANHOLE
TYPE "A"

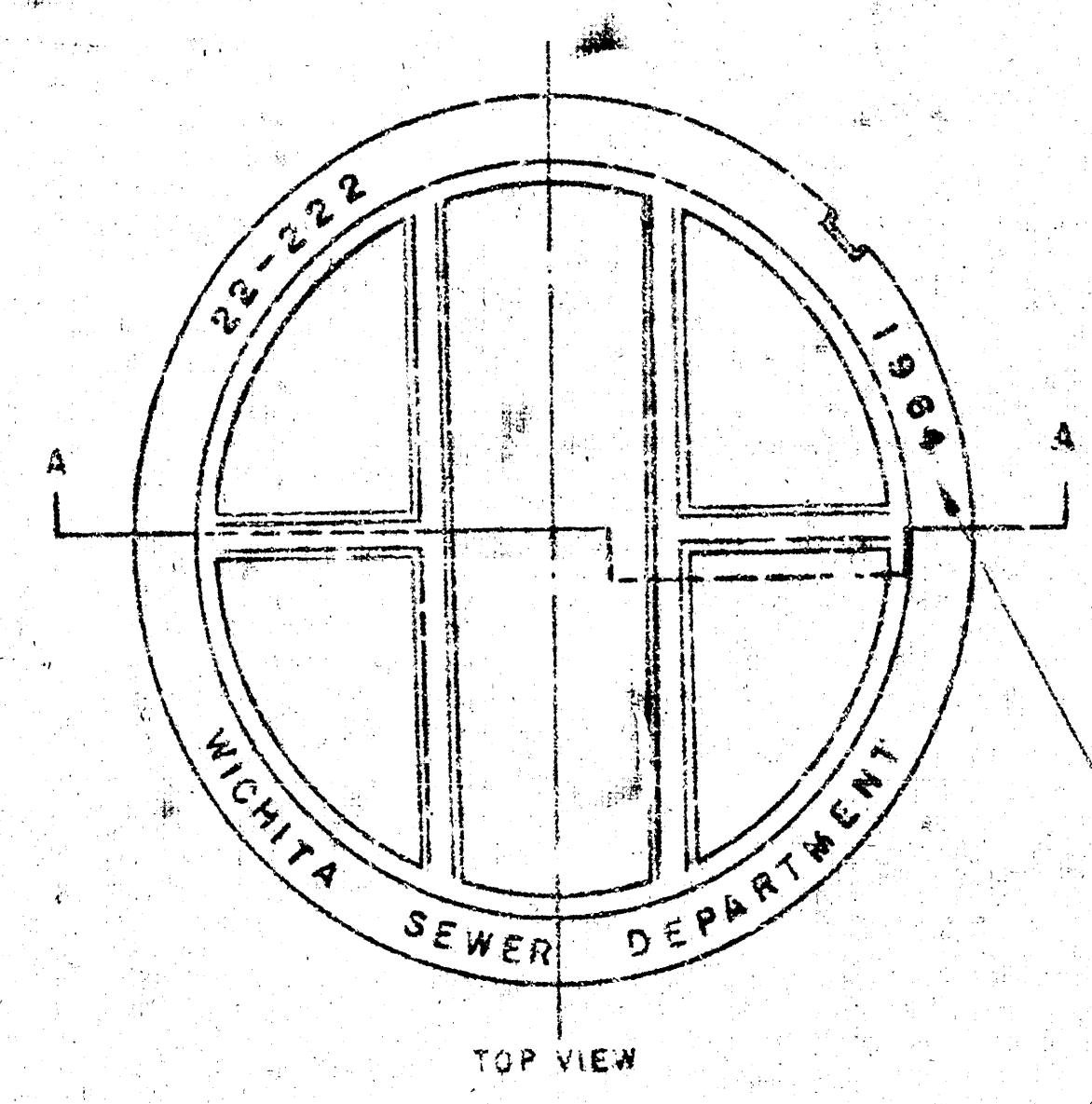


OUTSIDE DROP MANHOLE
TYPE "B"

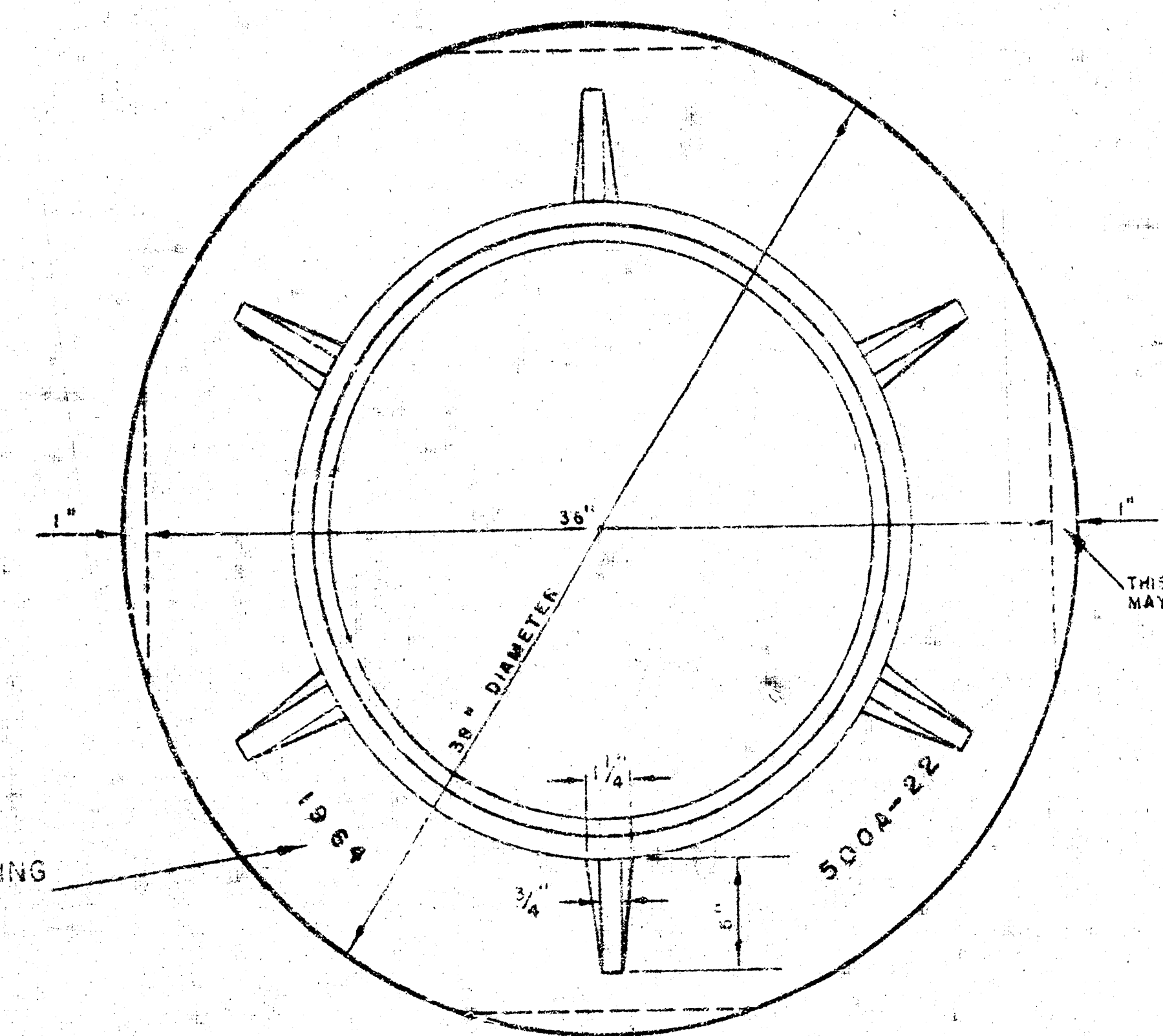
* DRAW - 6' ON 5' DIA. M.H.



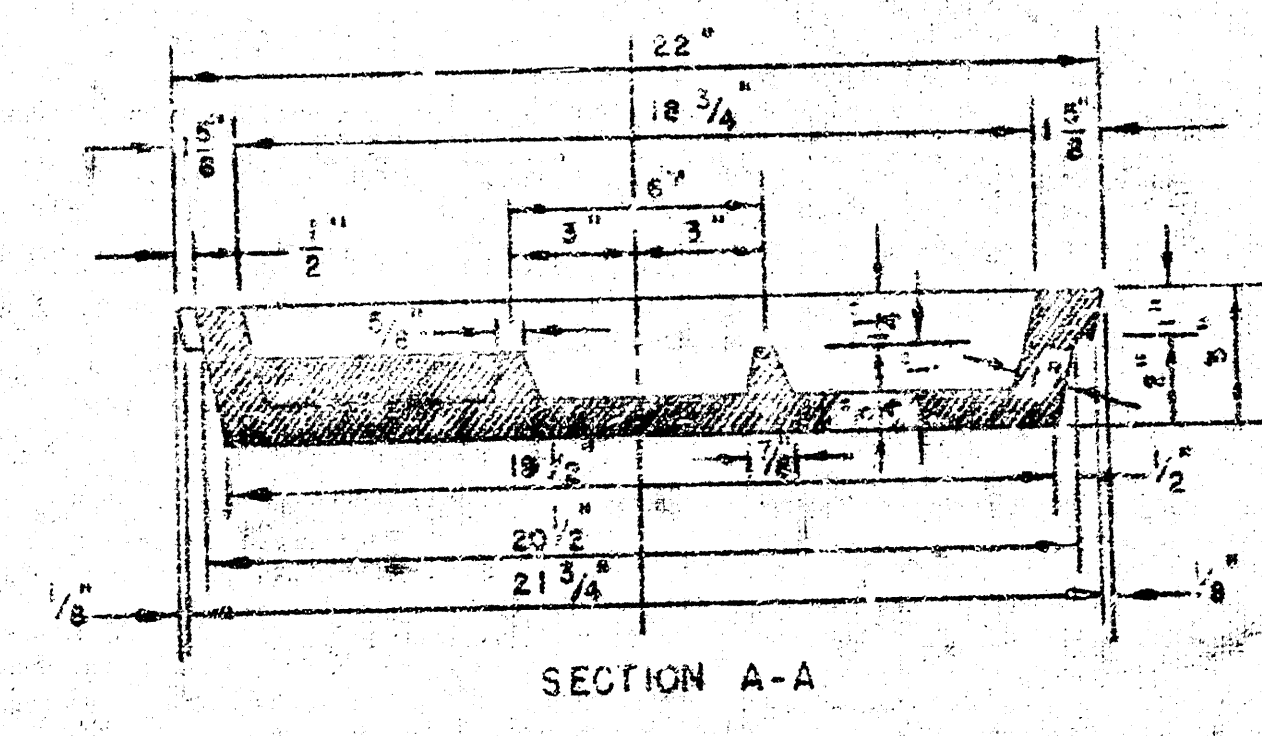
DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



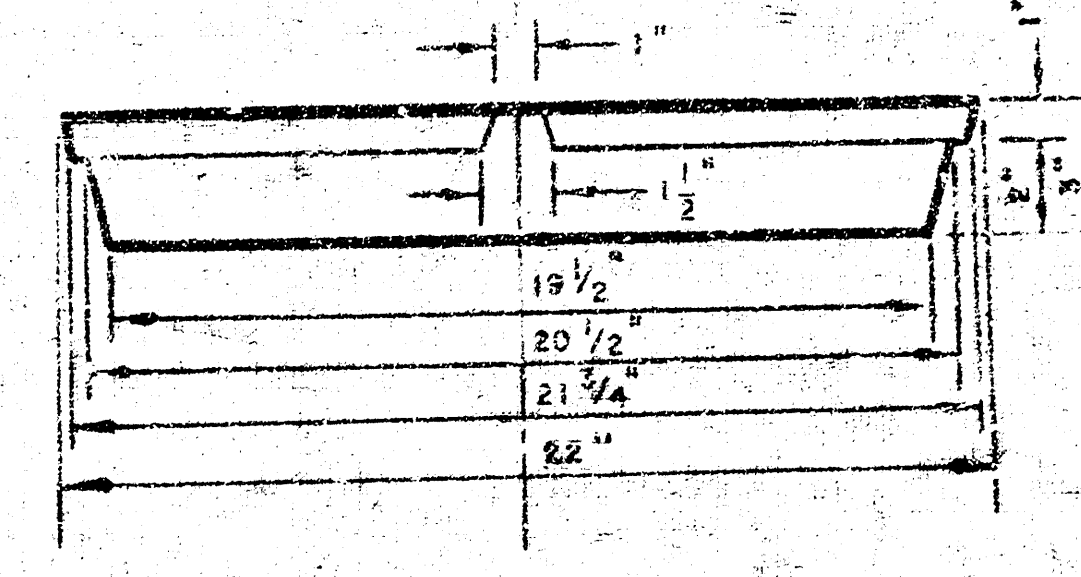
MANHOLE COVER
WEIGHT 110 LBS.



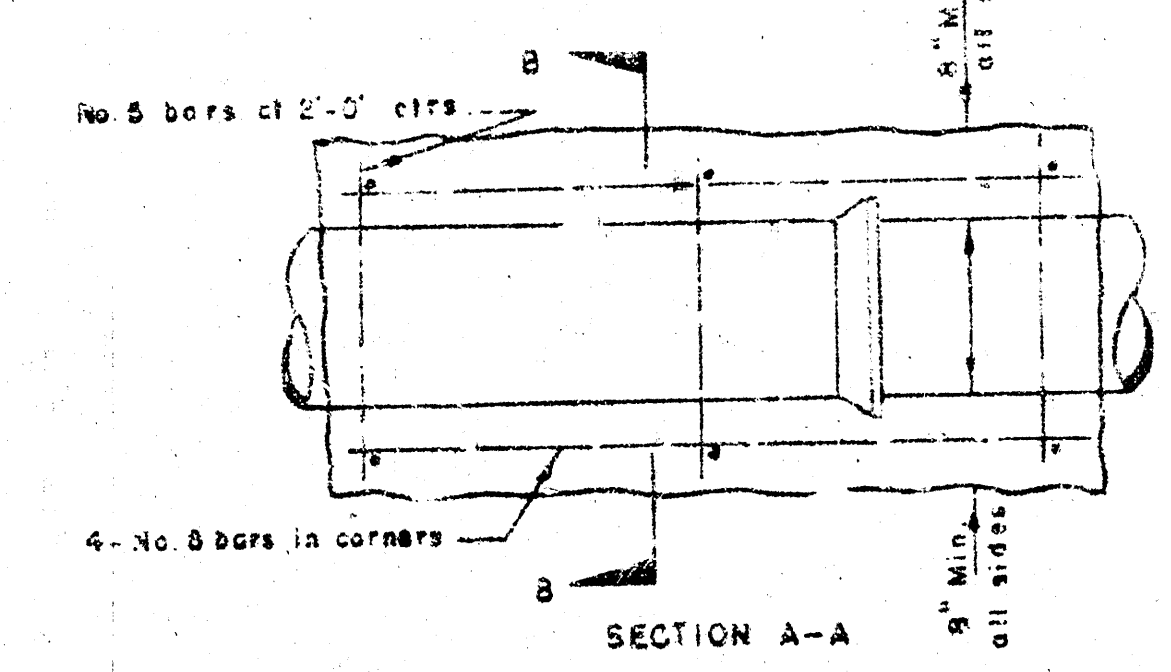
MANHOLE RING
WEIGHT 355 LBS.



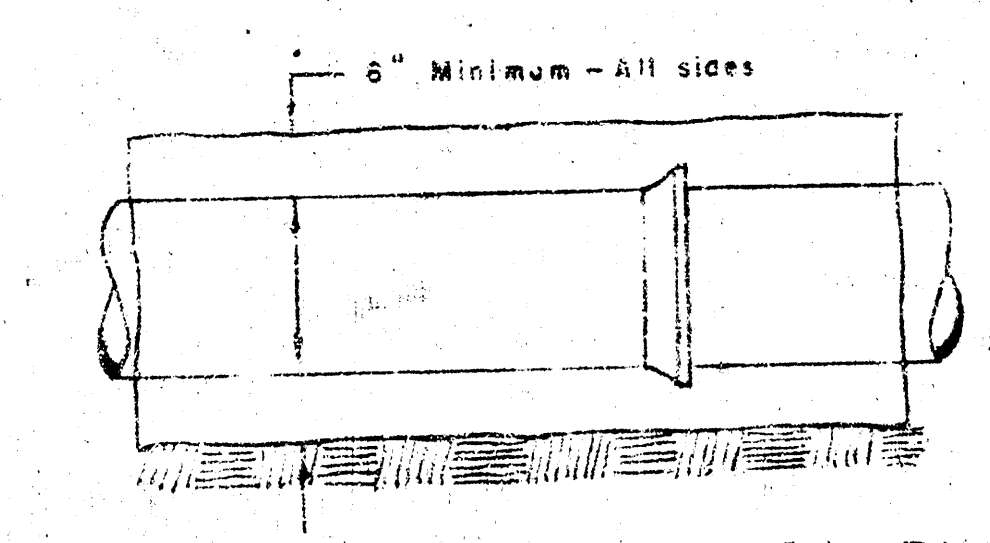
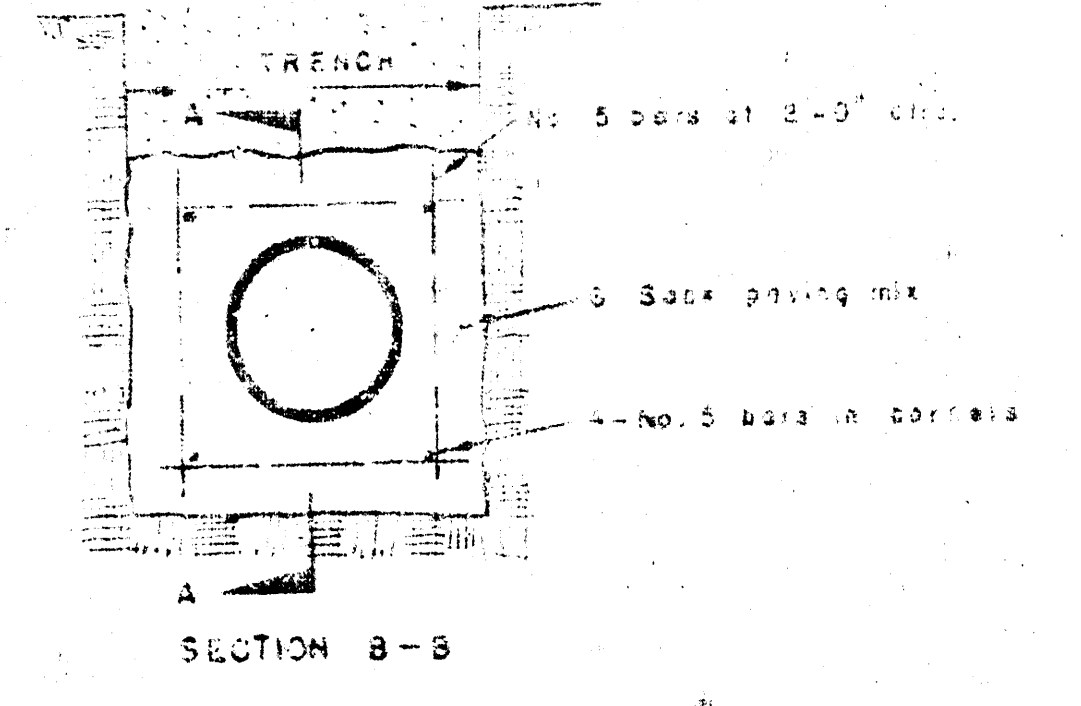
MANHOLE COVER



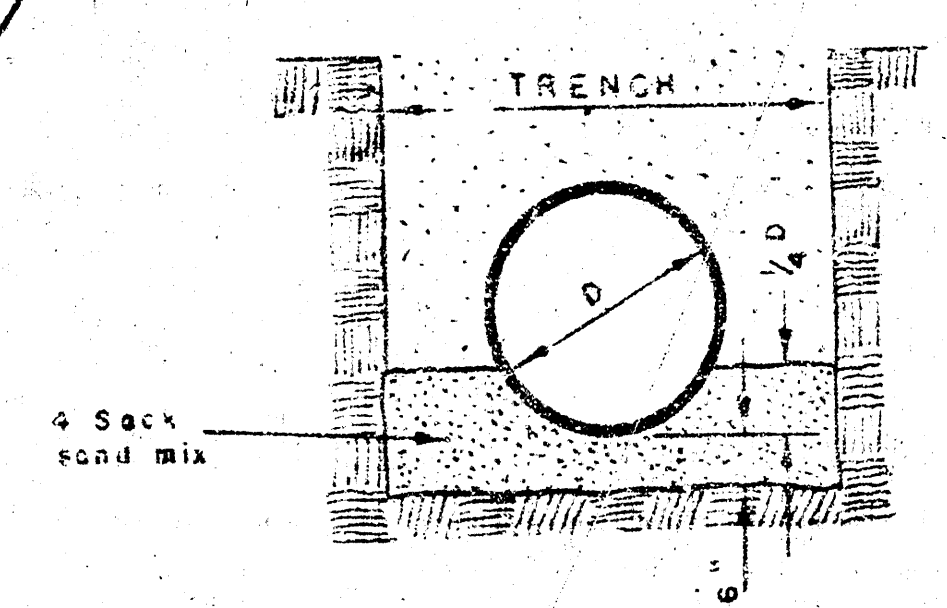
MANHOLE COVER



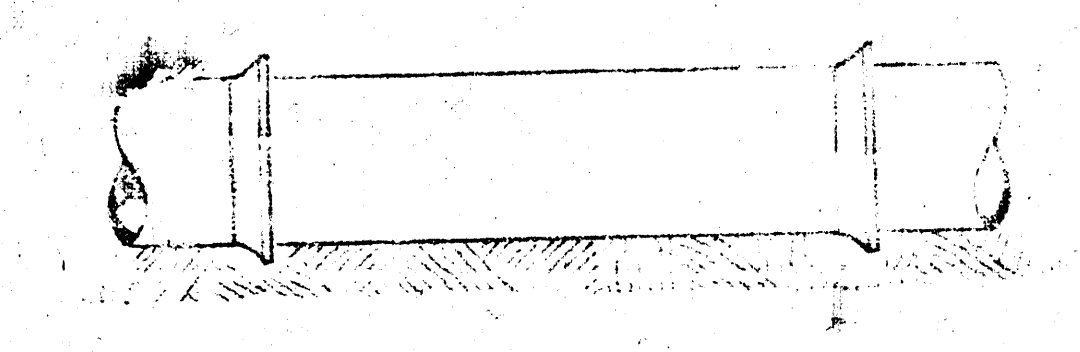
REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH



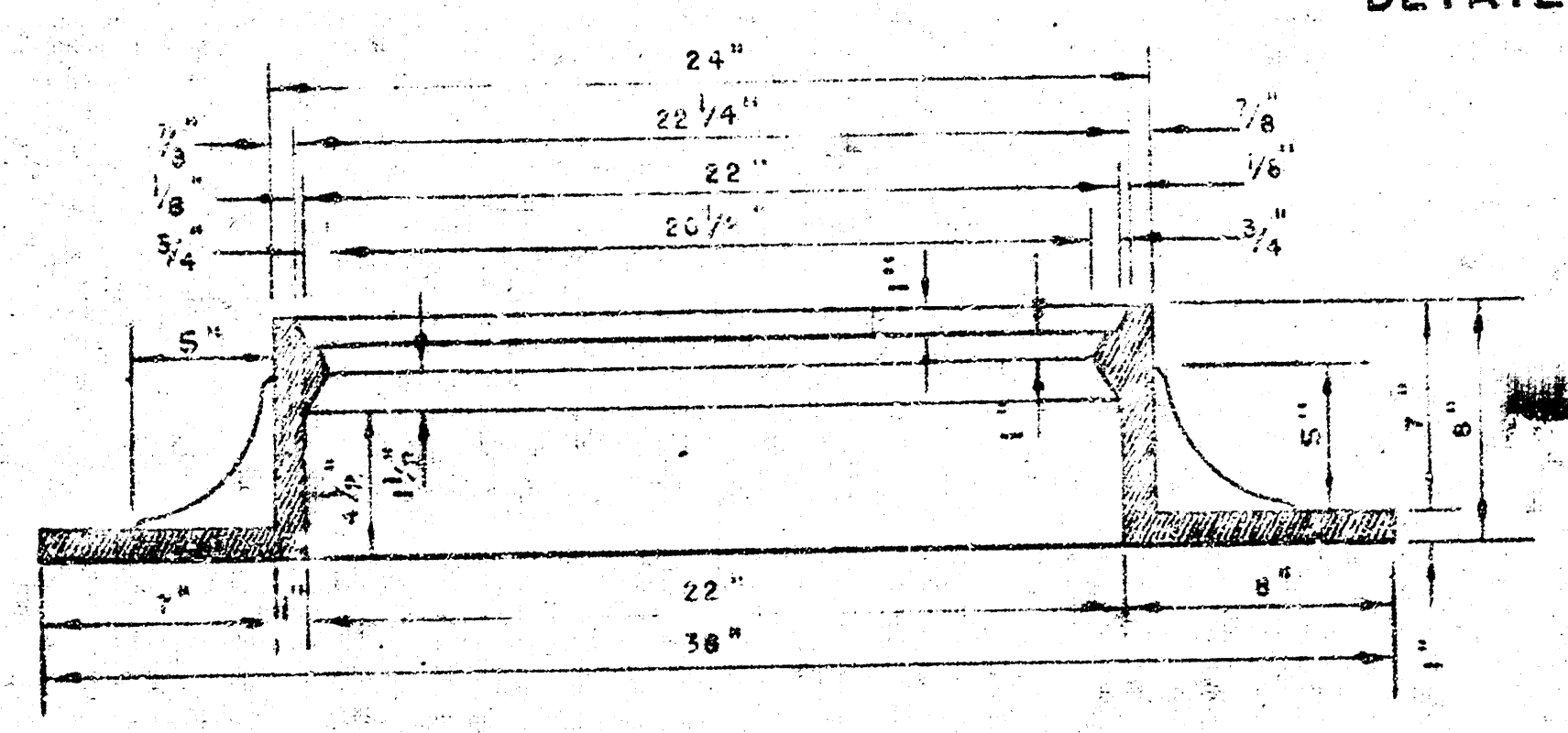
CONCRETE ENCASEMENT
FOR COVER



DETAIL OF CONCRETE CRADLE

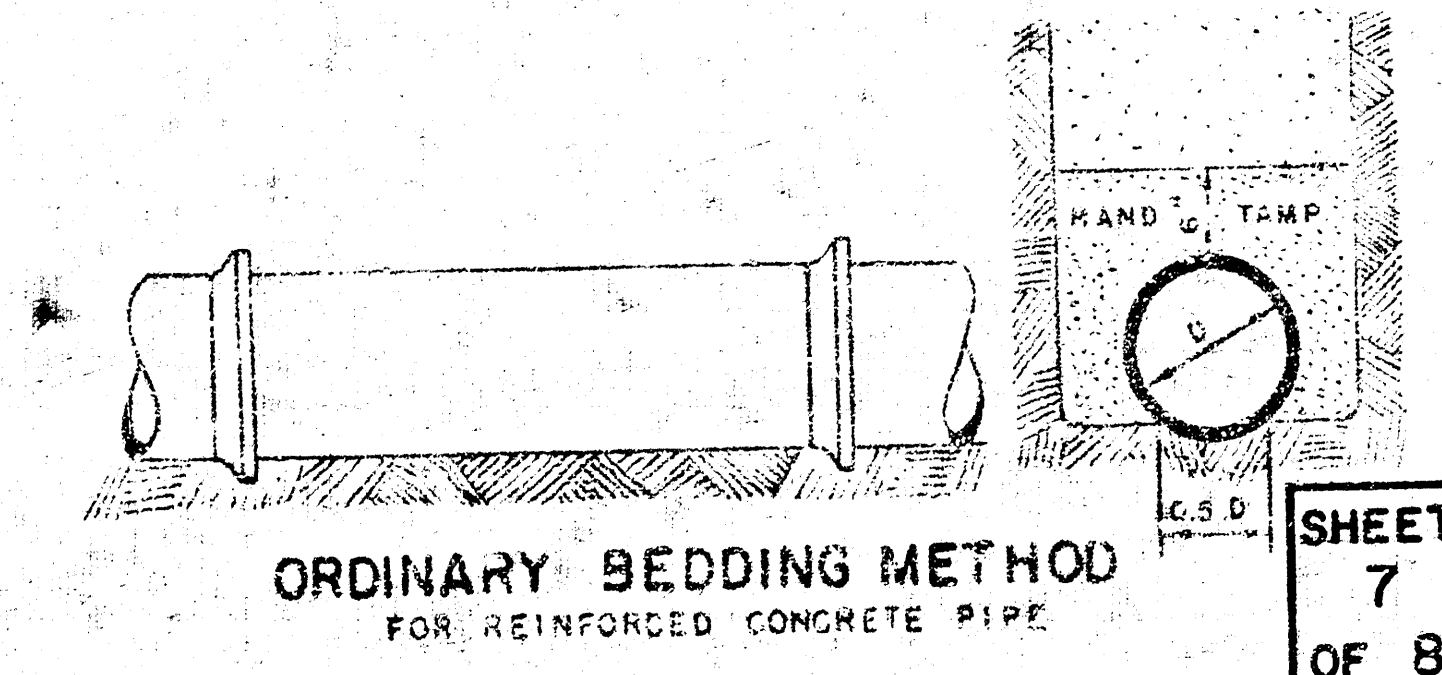


ORDINARY BEDDING METHOD
FOR CLAY PIPE



MANHOLE RING

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



ORDINARY BEDDING METHOD
FOR REINFORCED CONCRETE PIPE

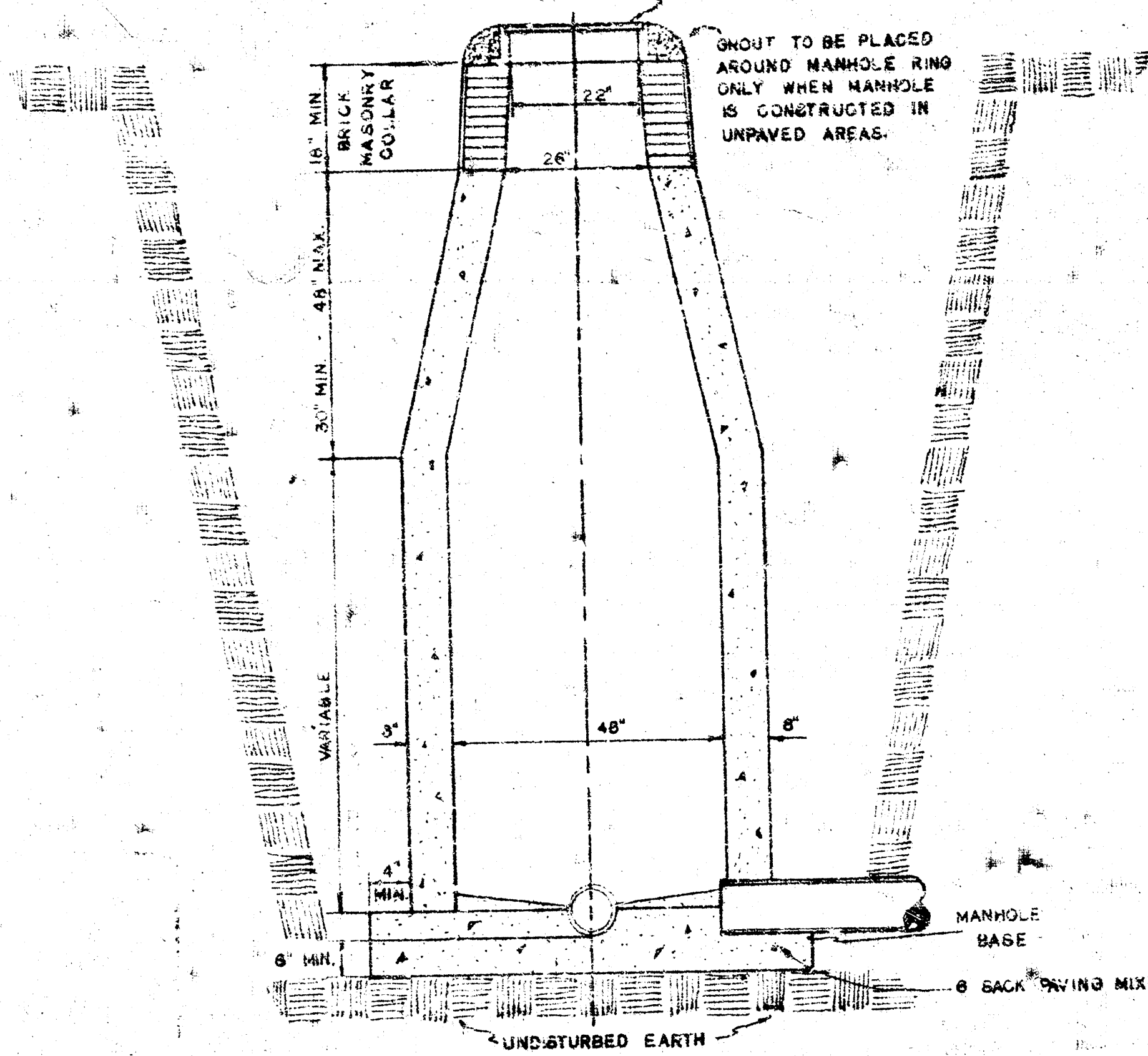
MANHOLES
THE CONCRETE USED FOR MORTAR IN MANHOLES SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
STANDARD MANHOLES AND DROP MANHOLES, REGARDLESS OF DIAMETER, SHALL BE BID AT ONE PRICE AS STANDARD MANHOLES.
SINGLE OR DOUBLE OUTSIDE DROP MANHOLES SHALL BE BID AT ONE PRICE AS OUTSIDE DROP MANHOLES.
ALL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

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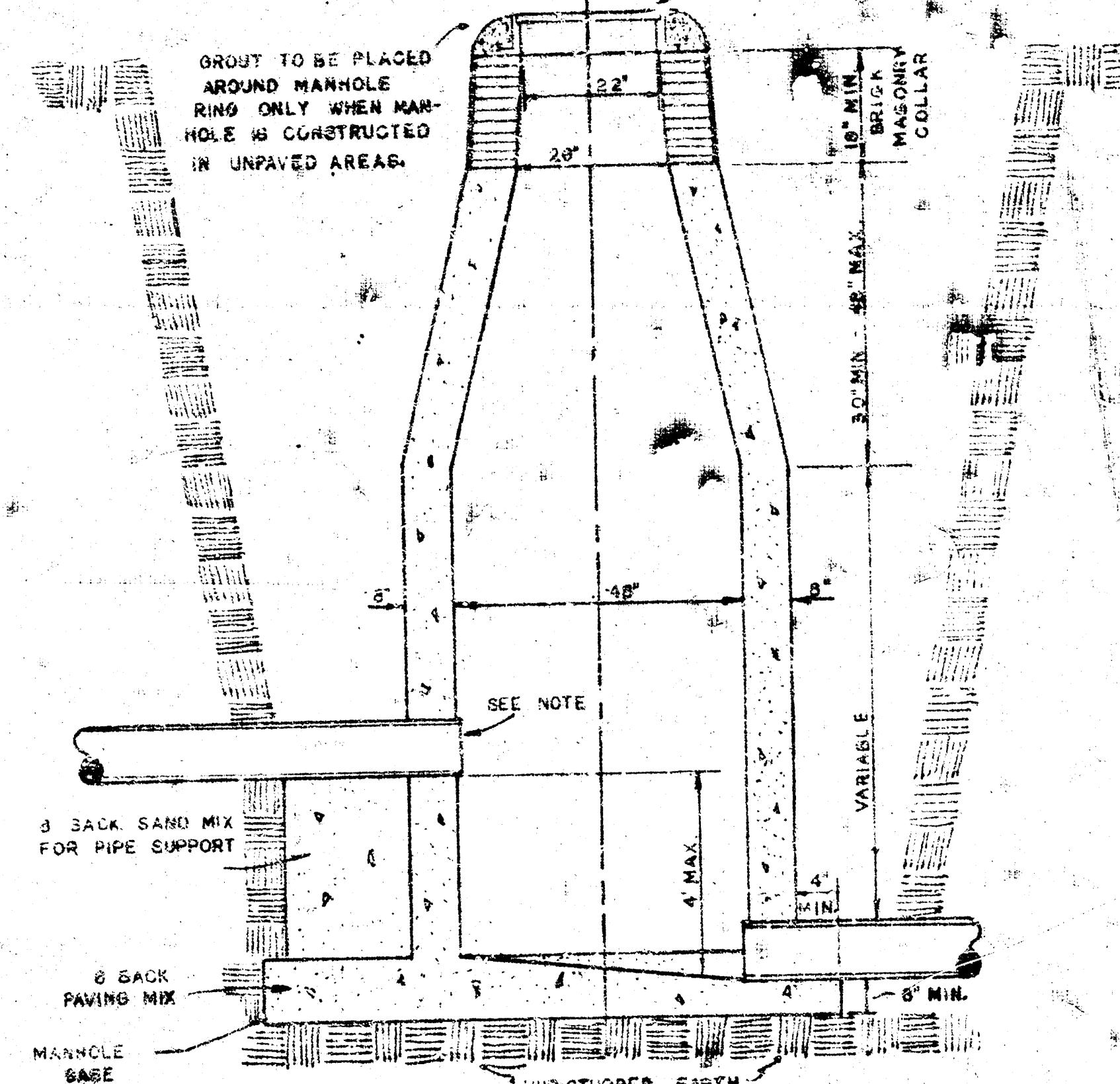
STANDARD MANHOLE, TYPE "C"

RING AND LID AS SPECIFIED



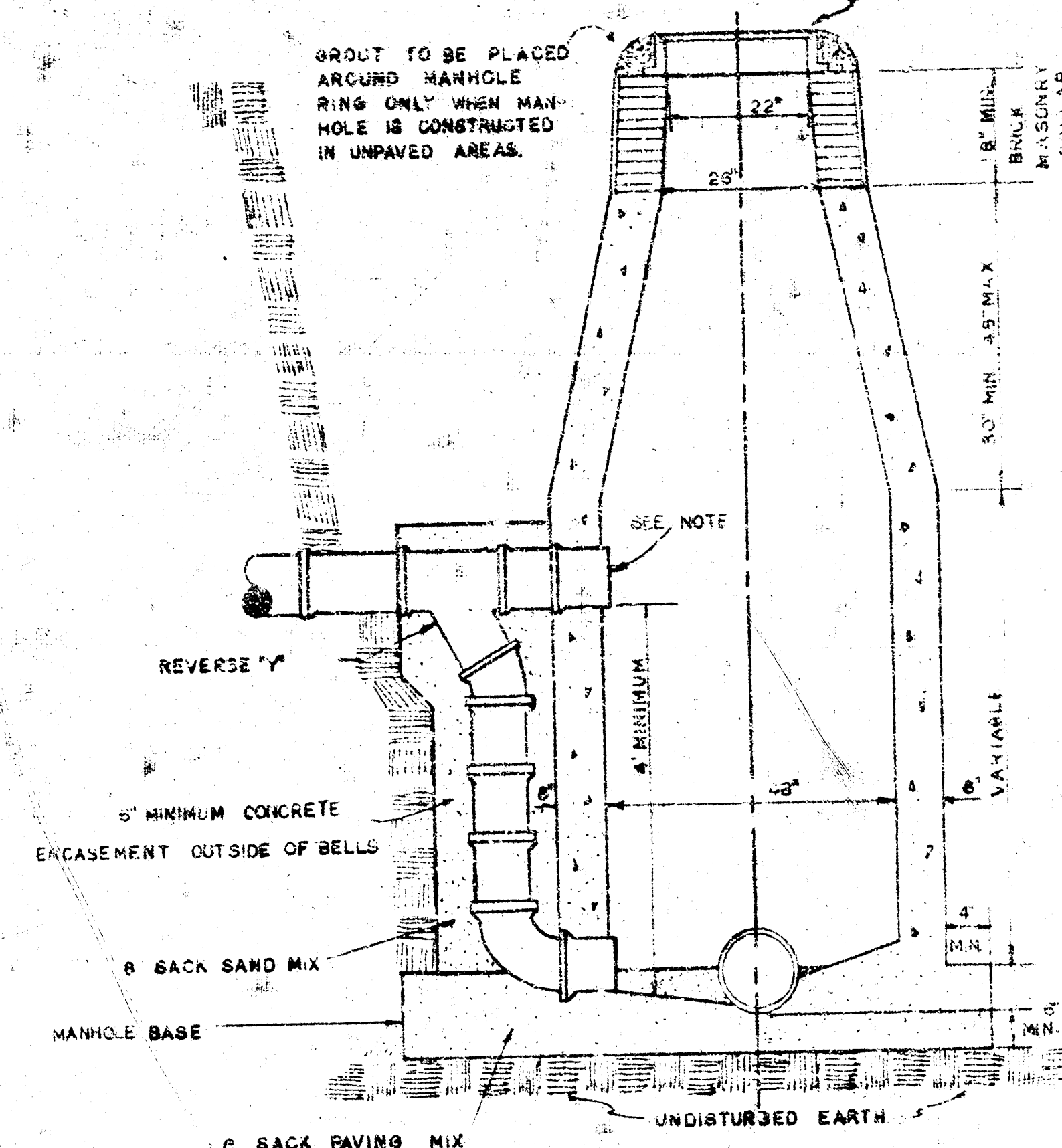
DROP MANHOLE, TYPE "C"

RING AND LID AS SPECIFIED



OUTSIDE DROP MANHOLE, TYPE "C"

RING AND LID AS SPECIFIED



GENERAL NOTES

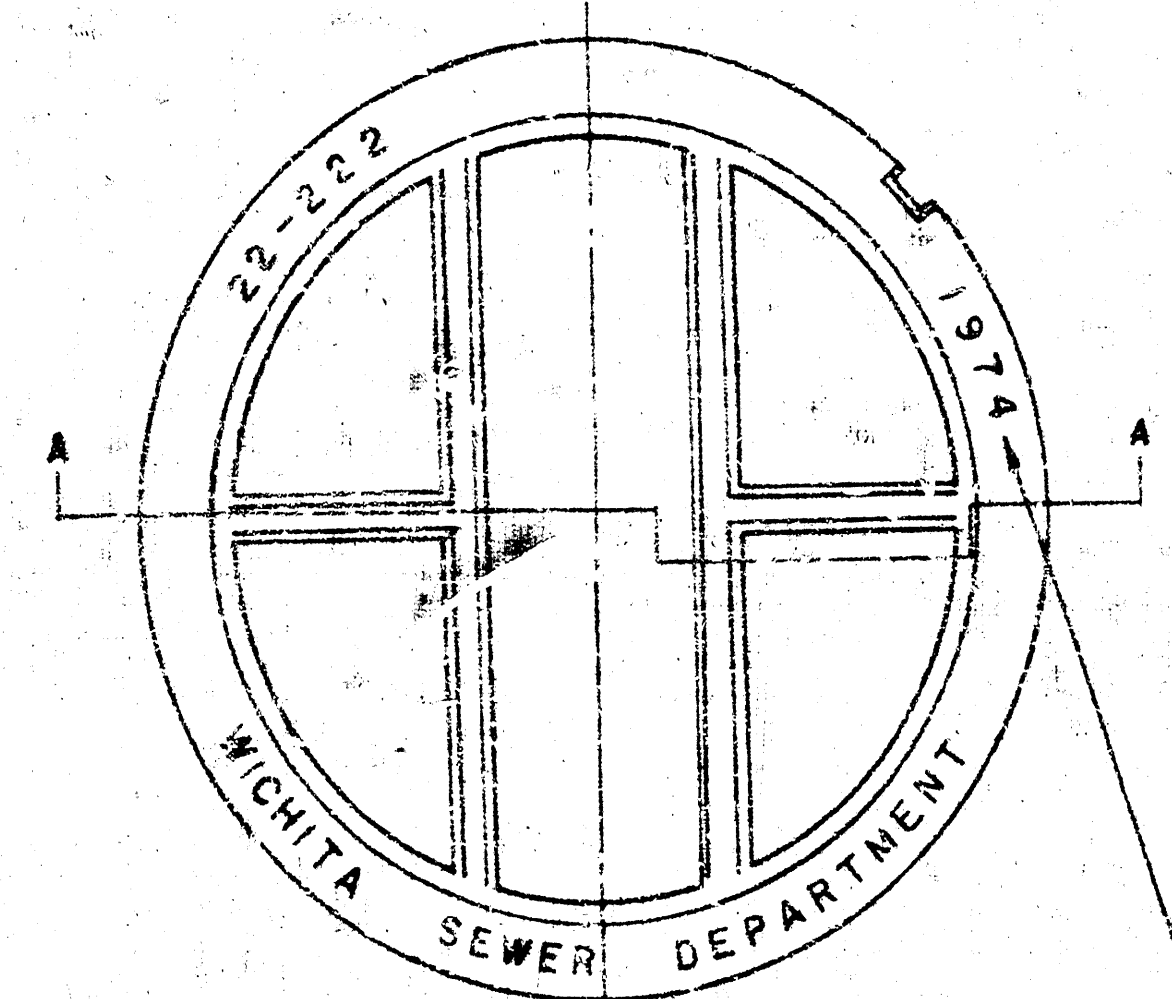
MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 BAGS OF CEMENT PER CUBIC YARD.

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.

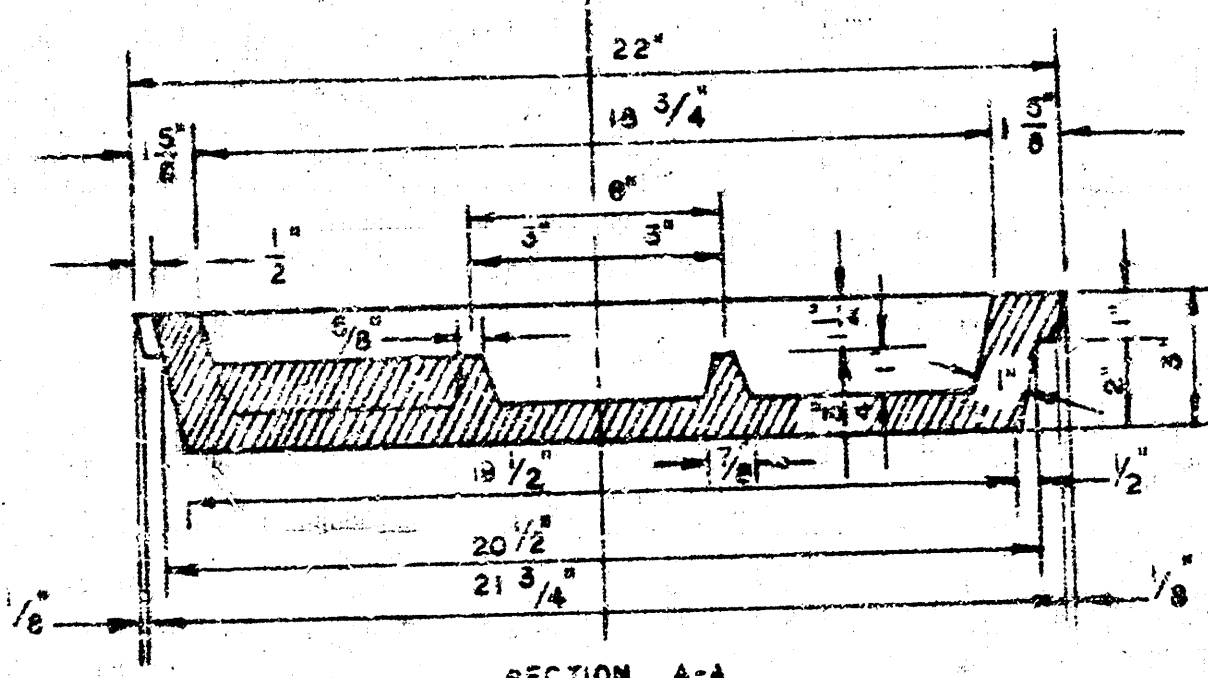
THE FLOWS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING 8 BAG SAND MIX CONCRETE.

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.

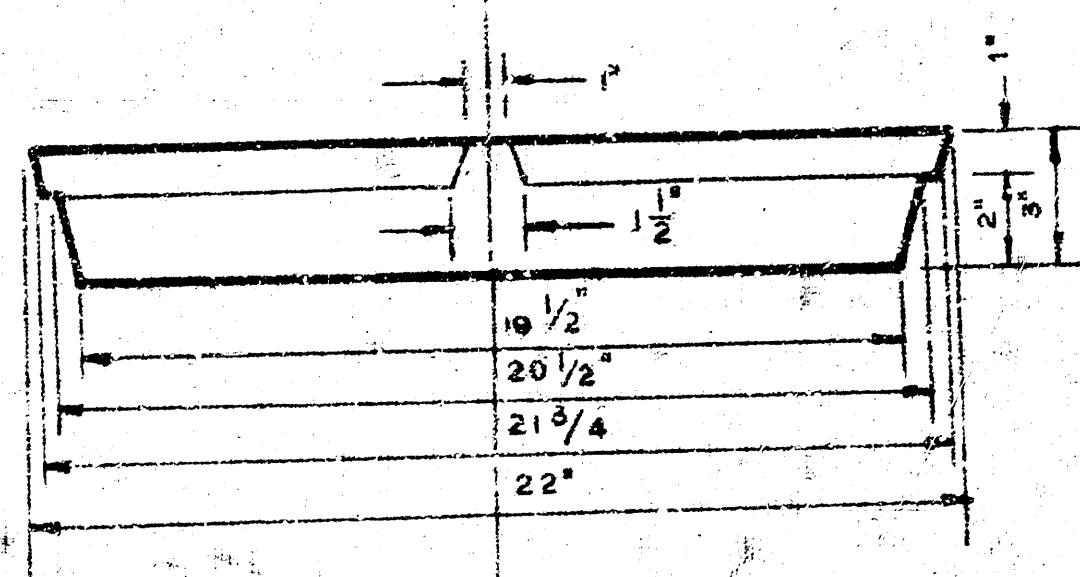


MANHOLE COVER

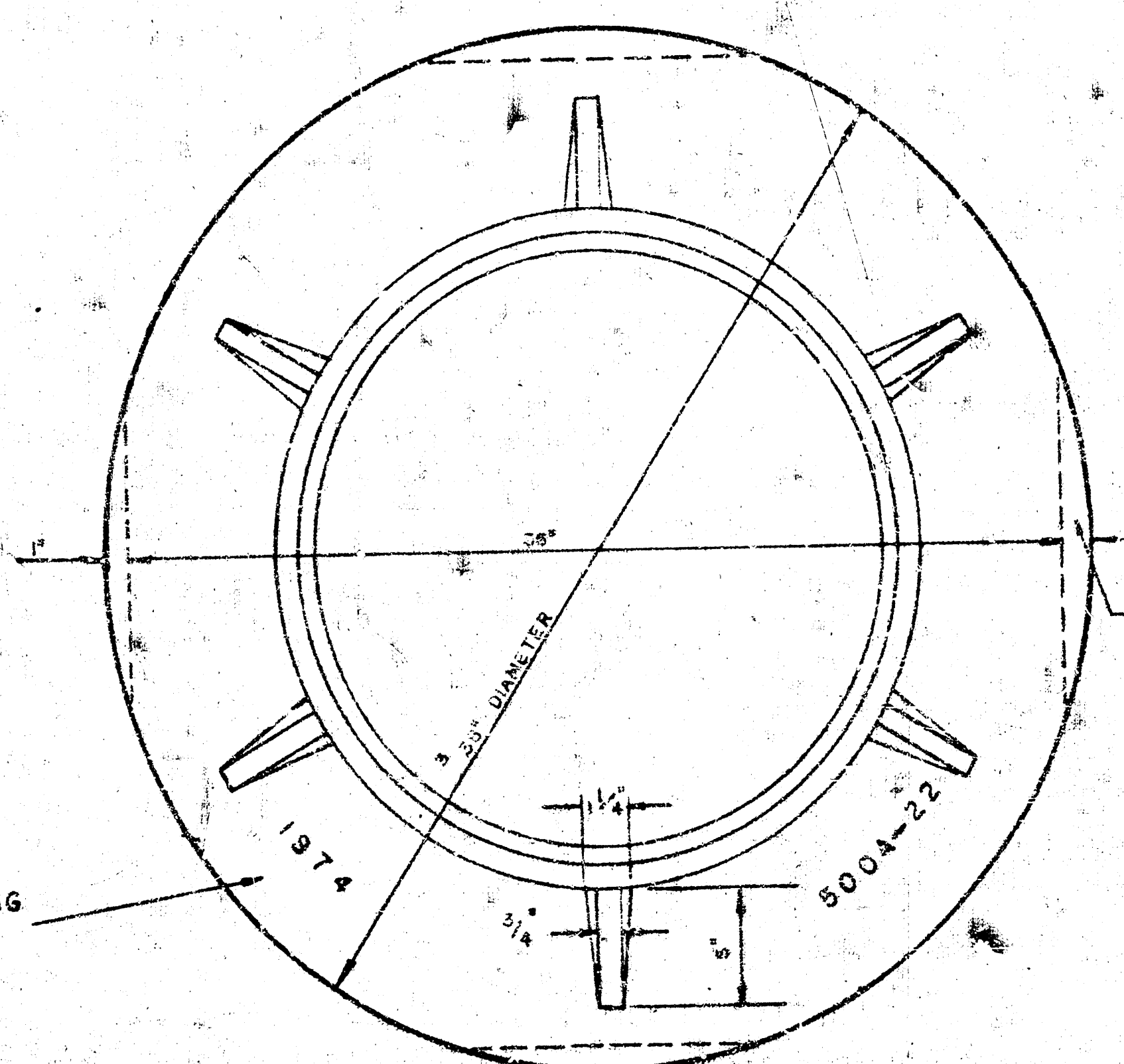
WEIGHT 110 LBS.



MANHOLE COVER



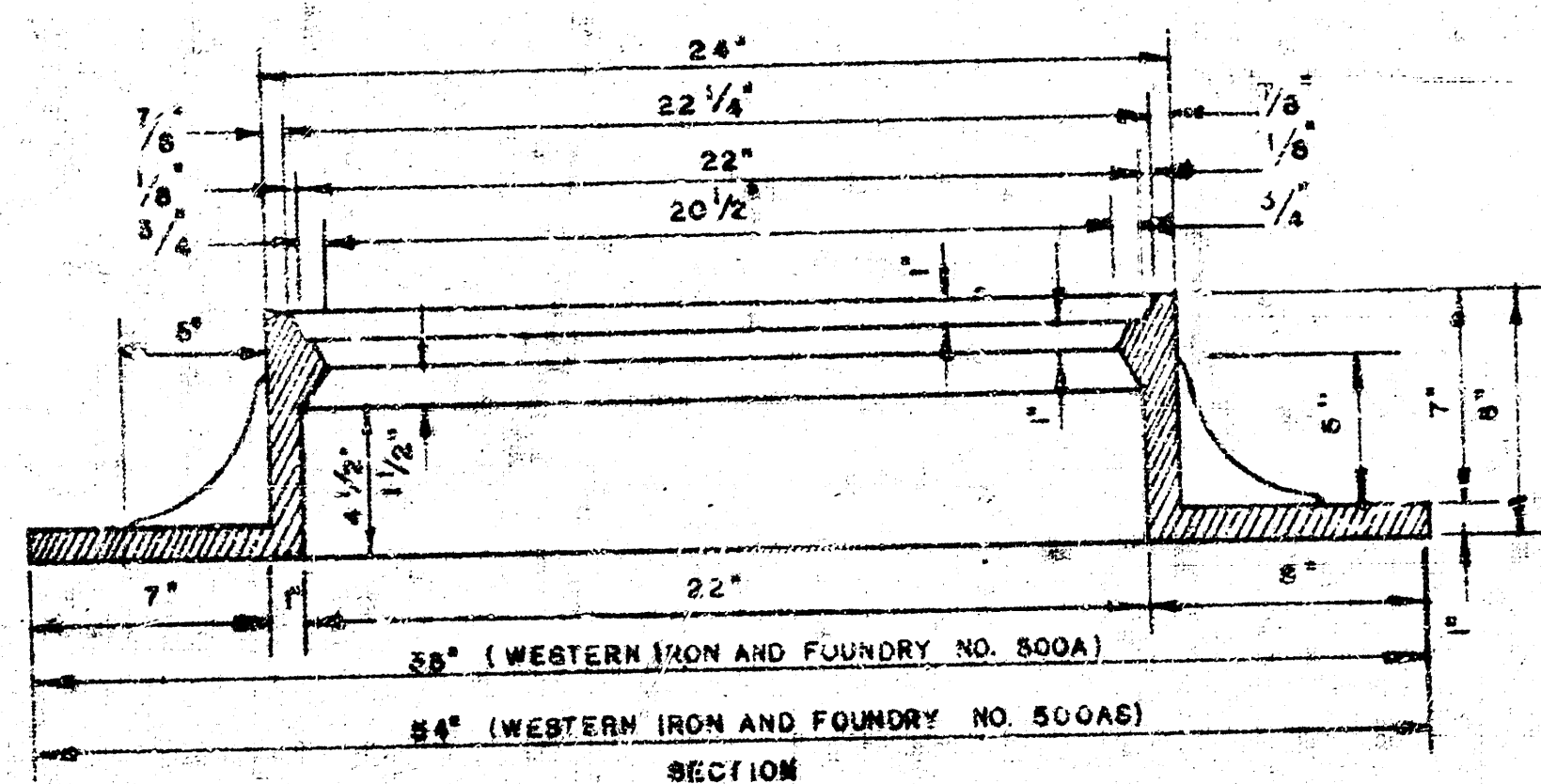
MANHOLE COVER



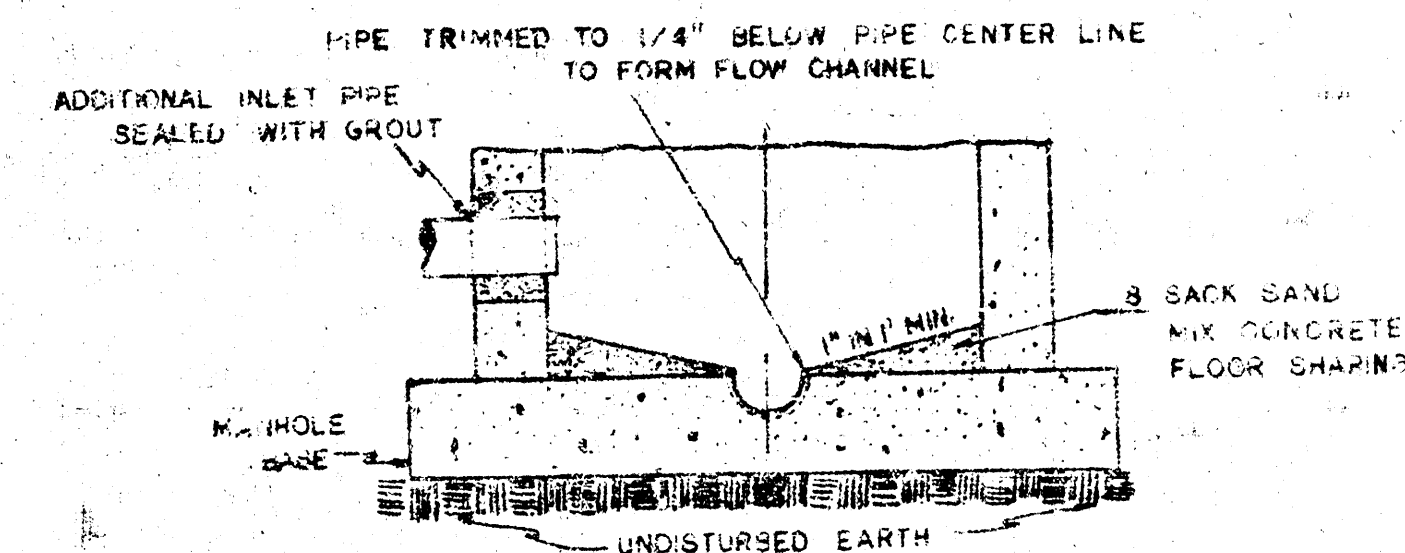
MANHOLE RING

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

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