

PLANS

SANITARY SEWER EXTENSIONS

NORTH WOODLAWN ADDITION

BEL AIRE IMPROVEMENT DISTRICT

CITY PROJECT NO. DBKW705019
PRIVATE CONTRACT

REISS AND GOODNESS ENGINEERS
2160 E. DOUGLAS WICHITA, KANSAS

1978

NOTE TO CONTRACTOR

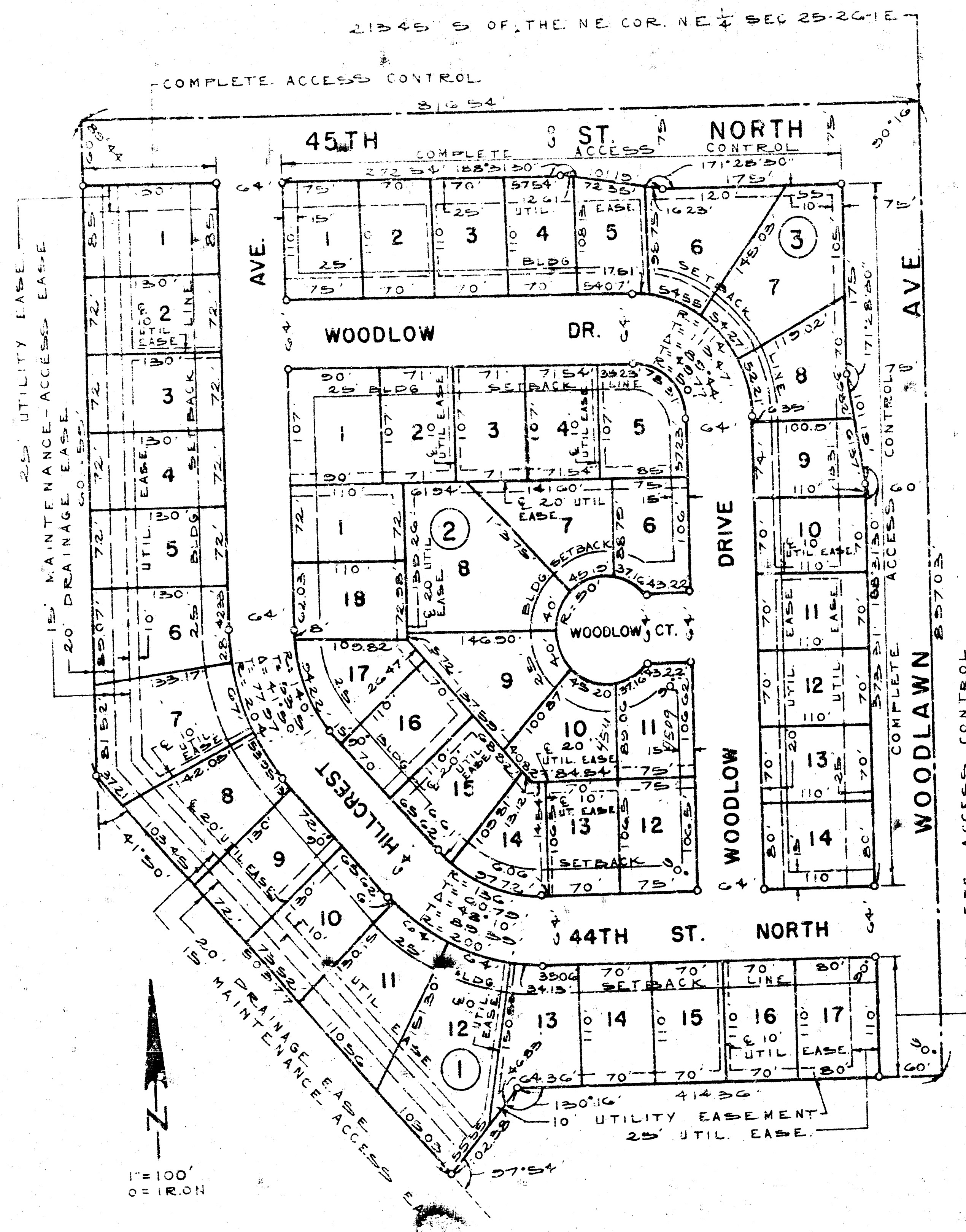
This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The ~~CONTRACTOR~~ will reimburse the City of ~~Wichita~~ for all cost of Engineering Plans and Inspection.

Bel Aire Improvement District

APPROVED AS NOTED	
By CITY ENGINEER OF WICHITA	
Sanitary Sewers	6-2-75 <i>[Signature]</i>
Storm Sewers	
Driveway Approaches	

NORTH WOODLAWN ADDITION

SEDGWICK COUNTY, KANSAS



This plat approved and all dedications shown hereon accepted by the Board of County Commissioners of Sedgwick County, Kansas, this _____ day of _____, 19____.

_____, Chairman
 _____, Commissioner
 _____, Commissioner
 _____, County Clerk
 _____, County Clerk

Entered on transfer record this _____ day of _____, 19____.

State of Kansas, County of Sedgwick, SS.
 This is to certify that this instrument was filed for record in the Register of Deeds Office, at _____ o'clock _____ M., on the _____ day of _____, 19____.

State of Kansas, County of Sedgwick, SS.

I, Kenneth O. Taylor, Civil Engineer in said State and County, do hereby certify that I have surveyed and platted "NORTH WOODLAWN ADDITION", Sedgwick County, Kansas, and that the accompanying plat is a REPLAT OF and a true and correct exhibit of said survey described as follows: Lot 17, Block 1 and Lot 14, Block 2 in Pearsons First Addition to Sedgwick County, Kansas, also Clarendon Street from the south line of 45th Street North to the southerly line of said Lot 14, Block 2 extended to the southeast, also 45th Street North as platted in said Pearsons First Addition from the west line of said Lot 14, Block 2 extended to the north to the east line of said Lot 17, Block 1 extended to the north and also Woodlawn Avenue as platted in said Pearsons First Addition from the south line of said Lot 17, Block 1 extended to the east to the north line of 45th Street North, said lots, streets and avenue being vacated and replatted by virtue of K.S.A. 1970 Supp. 12-512(b).

_____, Civil Engineer
 Kenneth O. Taylor

Know all men by these presents that M and B Investment, Inc. by Howard T. Murray, President, has caused the land described in the Civil Engineer's certificate to be platted into lots, blocks and streets to be known as "NORTH WOODLAWN ADDITION", Sedgwick County, Kansas.

The streets are hereby dedicated to and for the use of the public. Utility easements as indicated on the plat are hereby granted for the construction and maintenance of all public utilities. Drainage easements as indicated on the plat are hereby granted for drainage purposes. Maintenance and access easements as indicated on the plat are hereby granted.

All abutter's rights of access to or from 45th St. North, over and across the north line of Lot 1, Block 1 and Lots 1, 2, 3, 4, 5, 6 and 7, Block 3 are hereby granted to the appropriate governing body. All abutter's rights of access to or from Woodlawn Avenue, over and across the east line of Lot 17, Block 1 and Lots 8, 9, 10, 11, 12, 13 and 14, Block 3 are hereby granted to the appropriate governing body.

M and B Investment, Inc.

ATTEST: _____, President
 _____, Secretary

State of Kansas, County of Sedgwick, SS.

The foregoing instrument was acknowledged before me this _____ day of _____, 19____ by Howard T. Murray, President of M and B Investment, Inc., a Kansas corporation, on behalf of the corporation.

_____, Notary Public

Know all men by these presents that Fourth National Bank and Trust Co., Wichita, Kansas, by _____, mortgagee of the land described in the Civil Engineer's certificate does hereby consent to the platting of "NORTH WOODLAWN ADDITION", Sedgwick County, Kansas.

Fourth National Bank and Trust Co. of Wichita,
 Wichita, Kansas

ATTEST: _____

State of Kansas, County of Sedgwick, SS.

The foregoing instrument was acknowledged before me this _____ day of _____, 19____ by _____ of Fourth National Bank and Trust Co. of Wichita, Wichita, Kansas, a Kansas corporation, on behalf of the corporation.

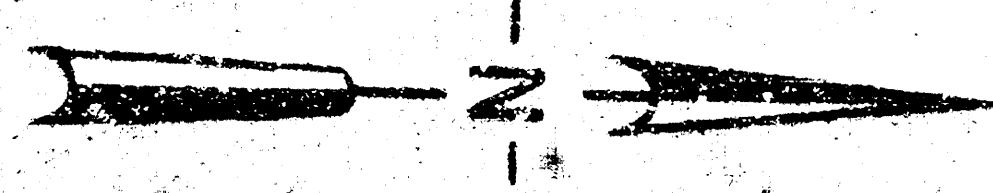
_____, Notary Public

This plat of "NORTH WOODLAWN ADDITION", Sedgwick County, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.
 Dated this _____ day of _____, 19____.

Wichita-Sedgwick County Metropolitan Area
 Planning Commission
 By _____, Chairman
 Harlan R. Kamen
 _____, Secretary
 Robert A. Lakin

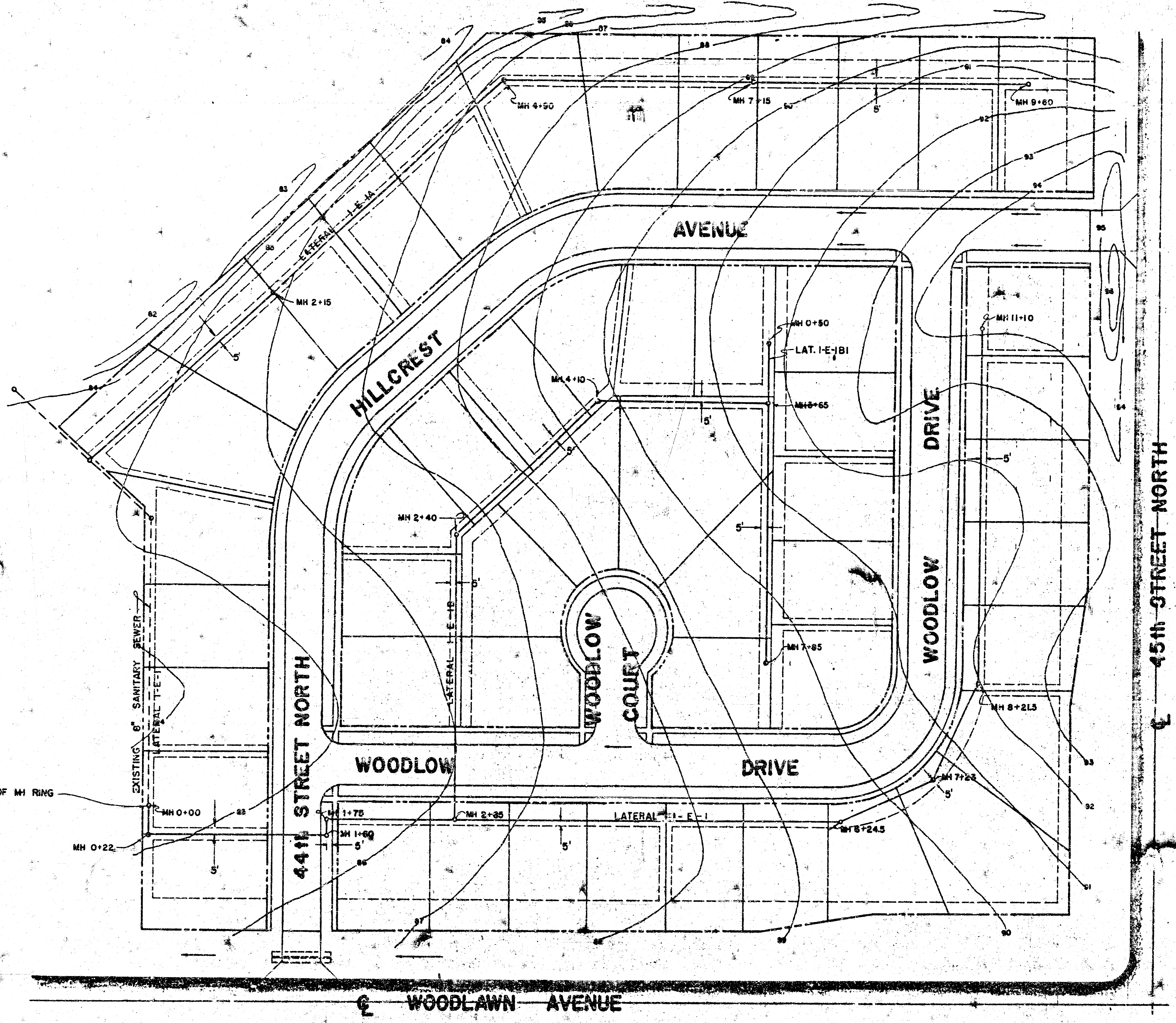
This plat approved and all dedications shown hereon accepted by the Board of City Commissioners of the City of Wichita, Kansas, this _____ day of _____, 19____.

_____, Mayor
 Garry L. Porter
 _____, City Clerk
 Ron Giesick

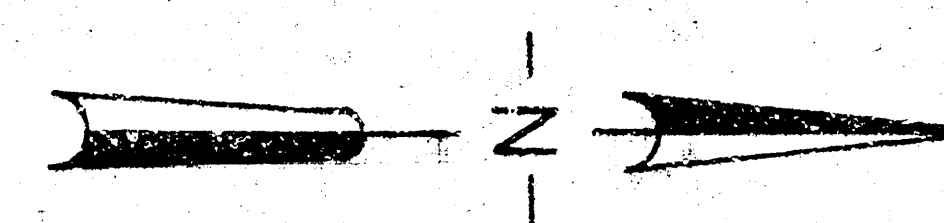
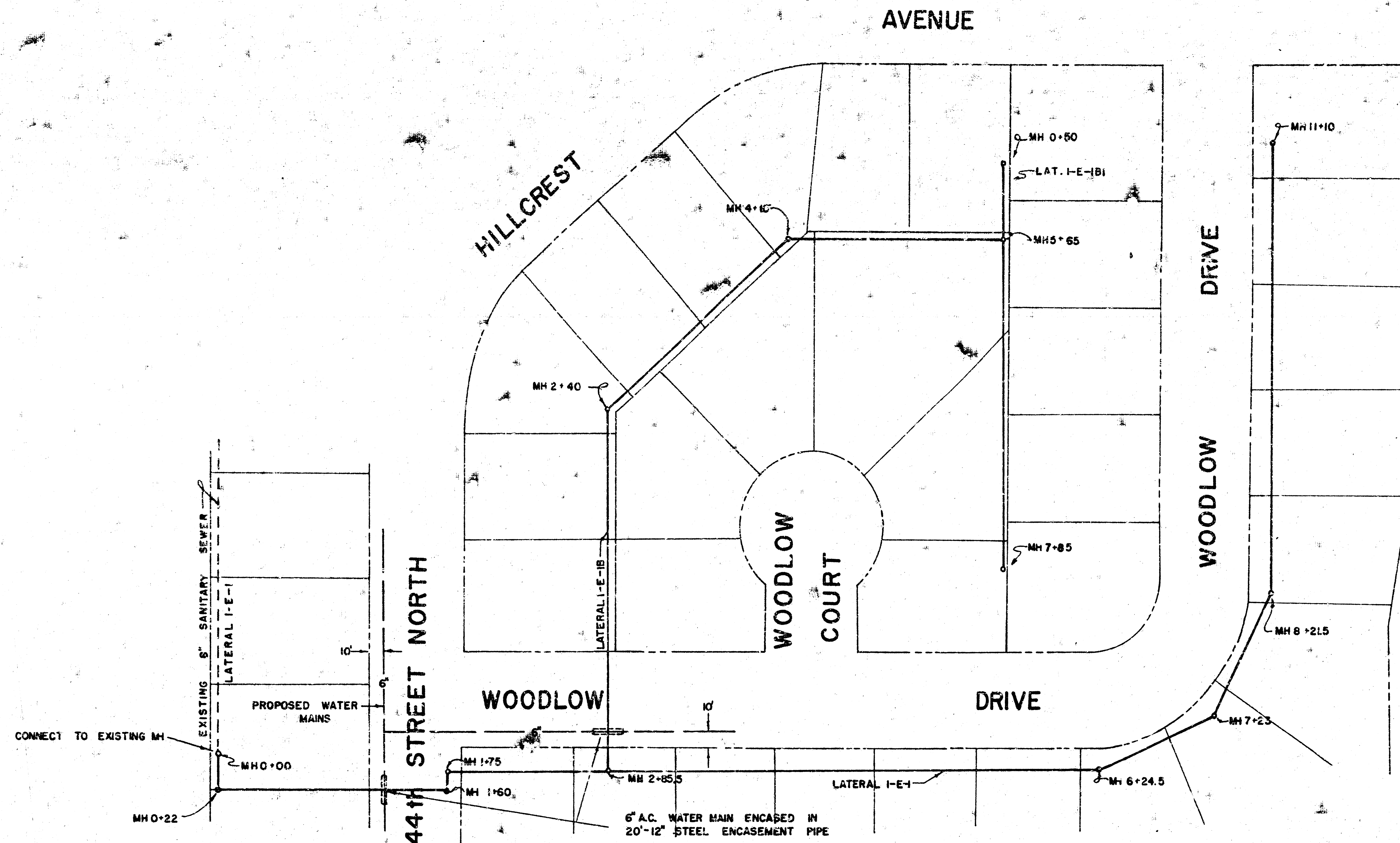


SCALE: 1"=50'

B.M. 1384.47 TOP OF MH RING
U.S.G.S. DATUM



NOTE: ALL MANHOLES TO BE TYPE A
OR TYPE C.



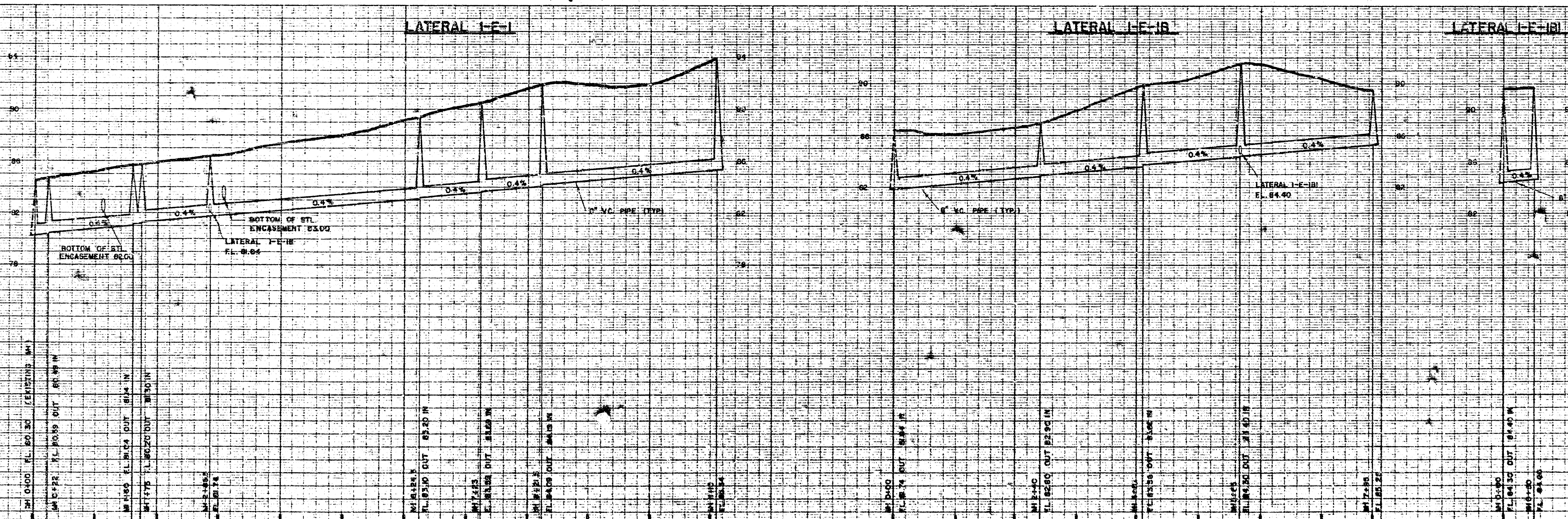
PLAN SCALE 1" = 80'

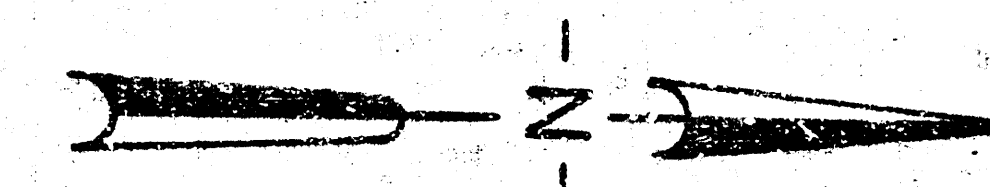
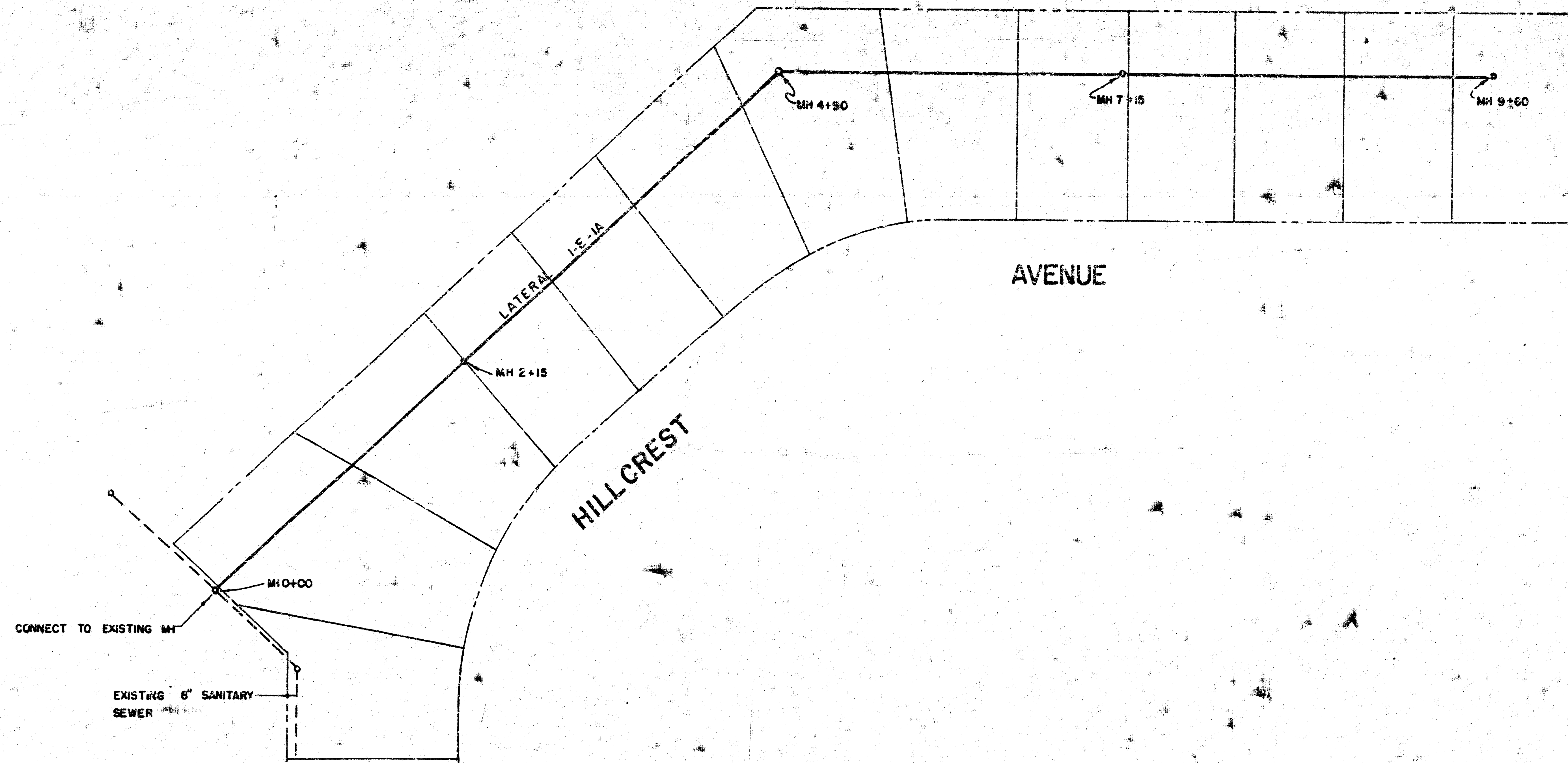
PROFILE
HORIZ. 1" = 80'
VERT. 1" = 4'

NOTED
6-30-75

NOTE TO CONTRACTOR

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF DALLAS. The City of Dallas will reimburse the City of Bel Aire for the cost of engineering and inspection.





PLAN SCALE: 1" = 50'

PROFILE

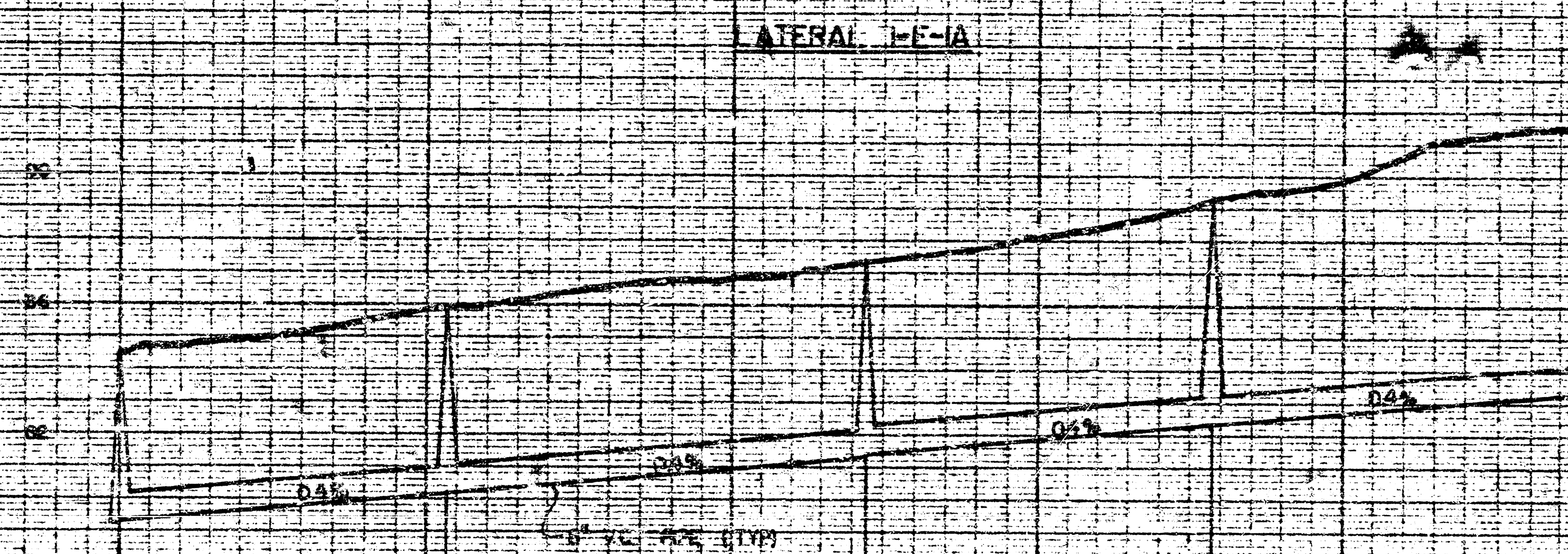
HORIZ. 1" = 80'

VERT. 1" = 4'

6-20-73

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. The ~~City~~ District will reimburse the City of Wichita for all costs of ~~the project~~ District.



REGISTERED PROFESSIONAL ENGINEERS:
CHARLES M. GOODNESS
AL E. REISS

PHONE (316) 264-1301

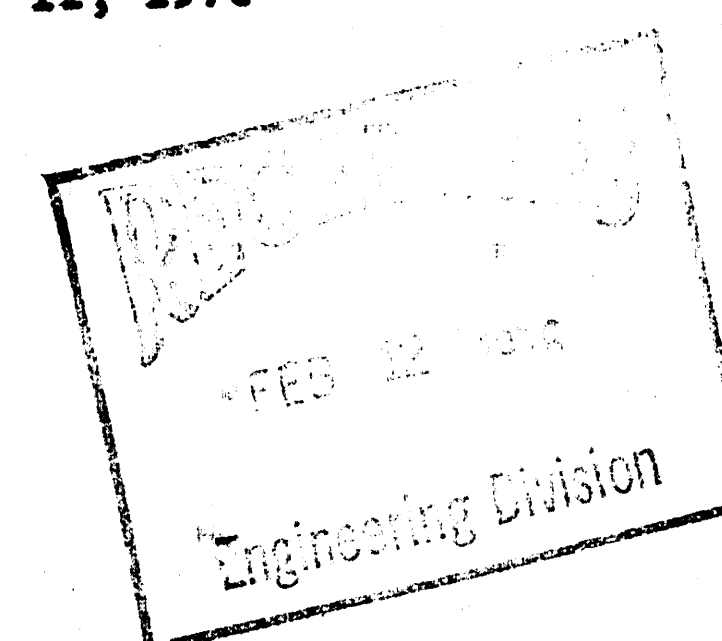
REISS & GOODNESS ENGINEERS

Consulting Engineers

2160 E. DOUGLAS AVE.
WICHITA, KANSAS 67214

February 11, 1976

Don Schneider
Engineering Division
Department of Public Works
7th Floor, City Bldg.
455 N. Main
Wichita, KS 67202



Dear Don:

Enclosed are the "As Built" maps of the sewer extensions in North Woodlawn Addition and Fountain Hills Addition. The pipe grades of the sewer extensions in North Woodlawn were constructed exactly the same as shown on the original plans except for Lateral 1-K-1a. F.I. grades at the manholes of this lateral are as follows:

MH 0+00	78.72
MH 2+15	79.58
MH 4+90	80.68 out 80.78in
MH 7+15	81.68
MH 9+60	82.66

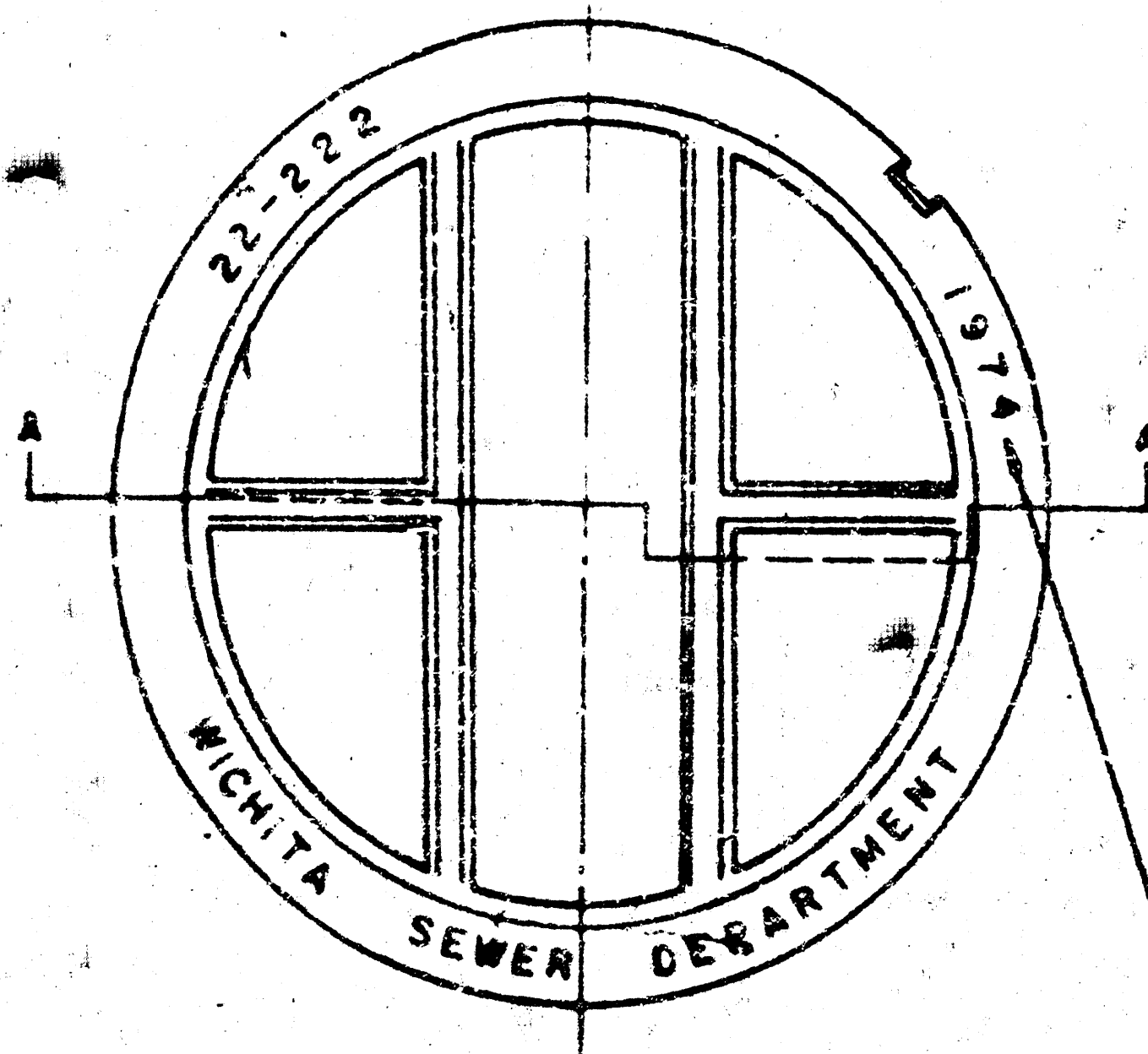
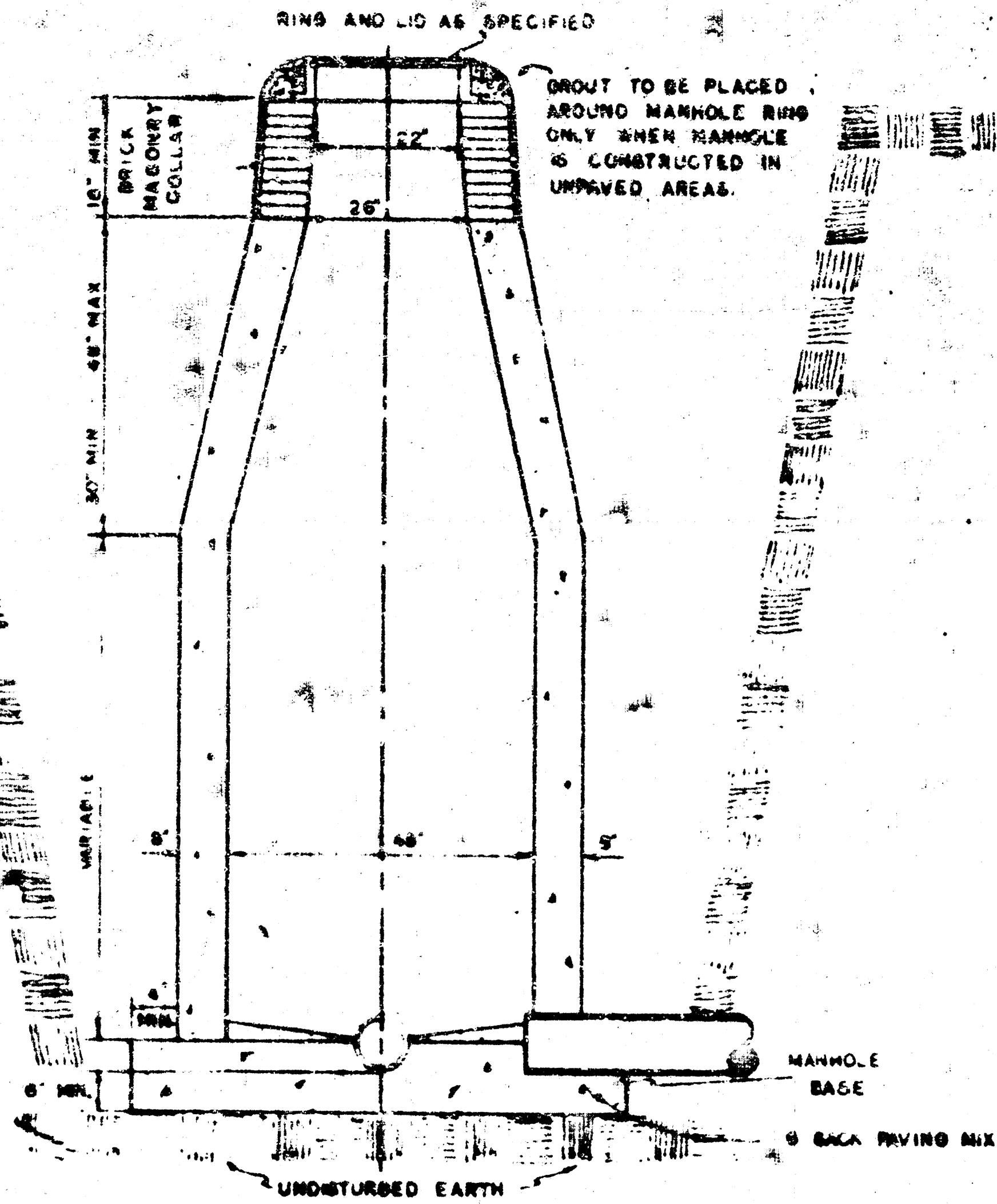
Very truly yours,

REISS & GOODNESS ENGINEERS

Kenny E. Hill
Kenny E. Hill, E.I.T.

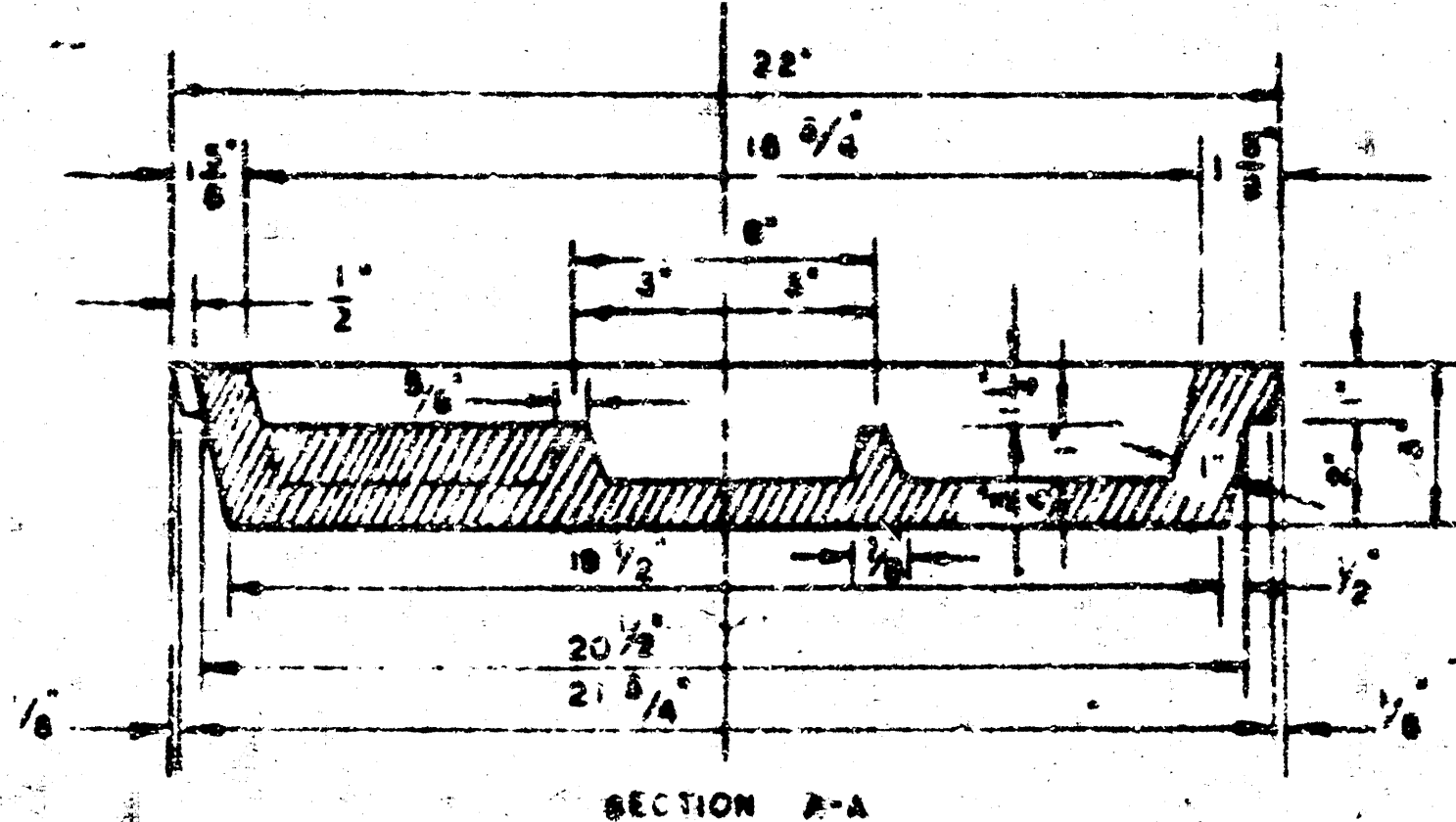
KEH/dg
Enclosures

STANDARD MANHOLE, TYPE "C"

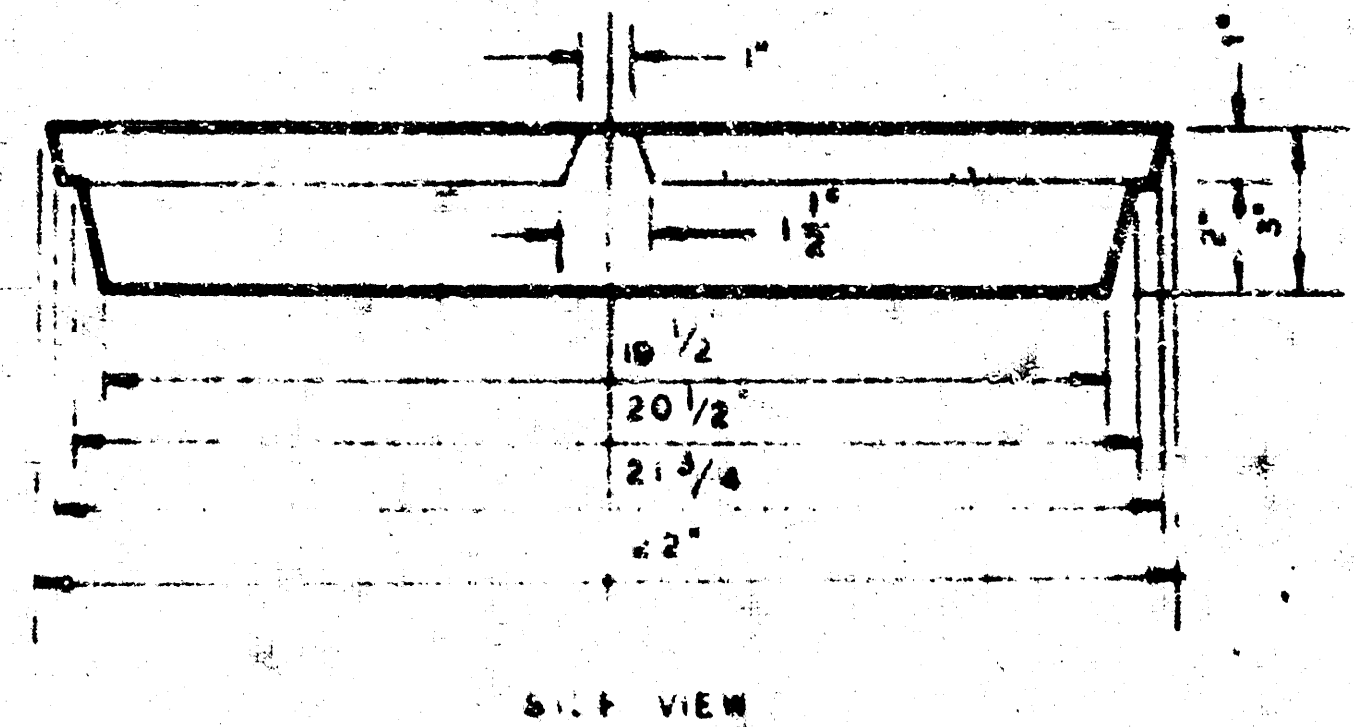


MANHOLE COVER

WEIGHT 110 LBS.

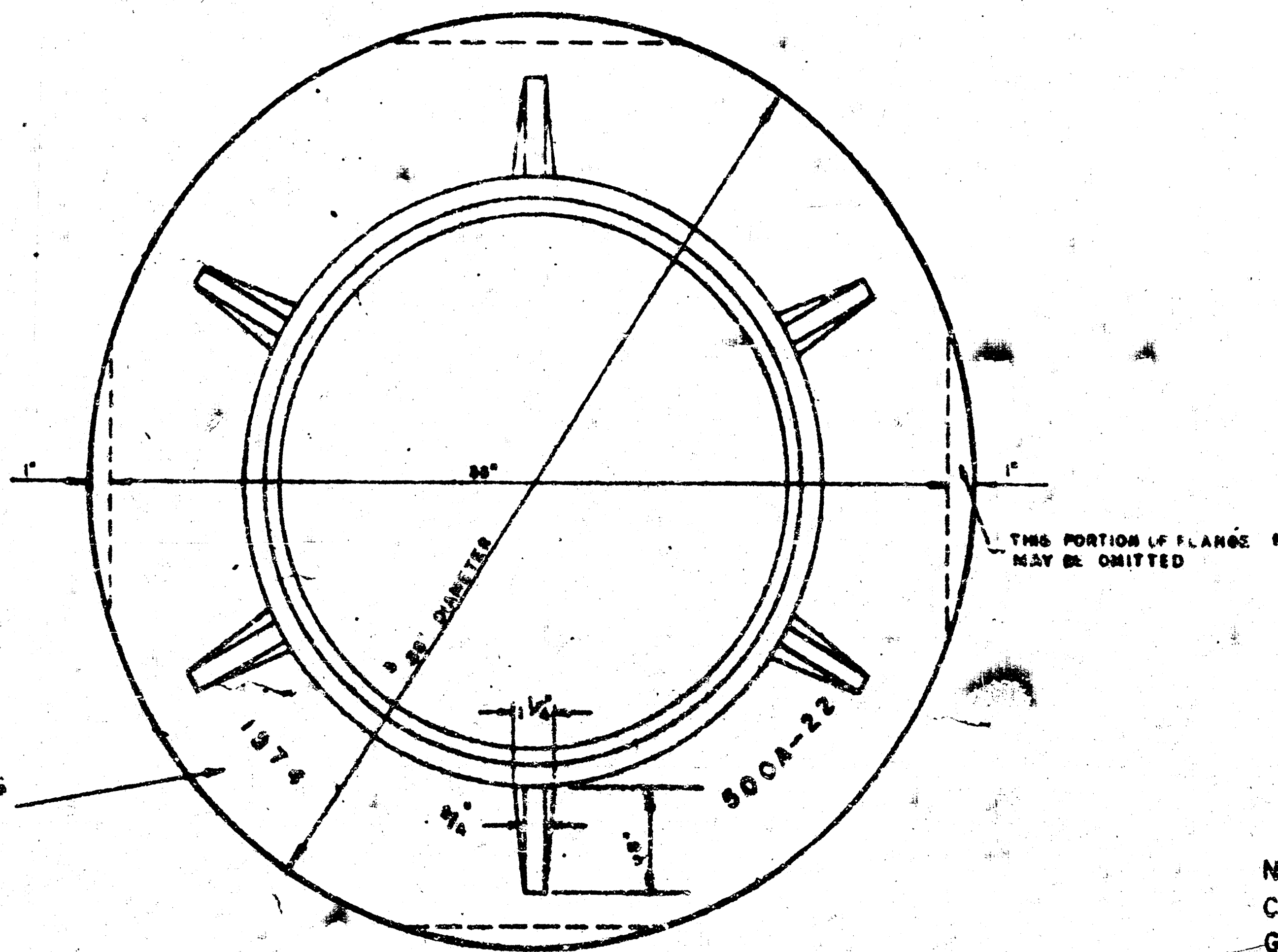
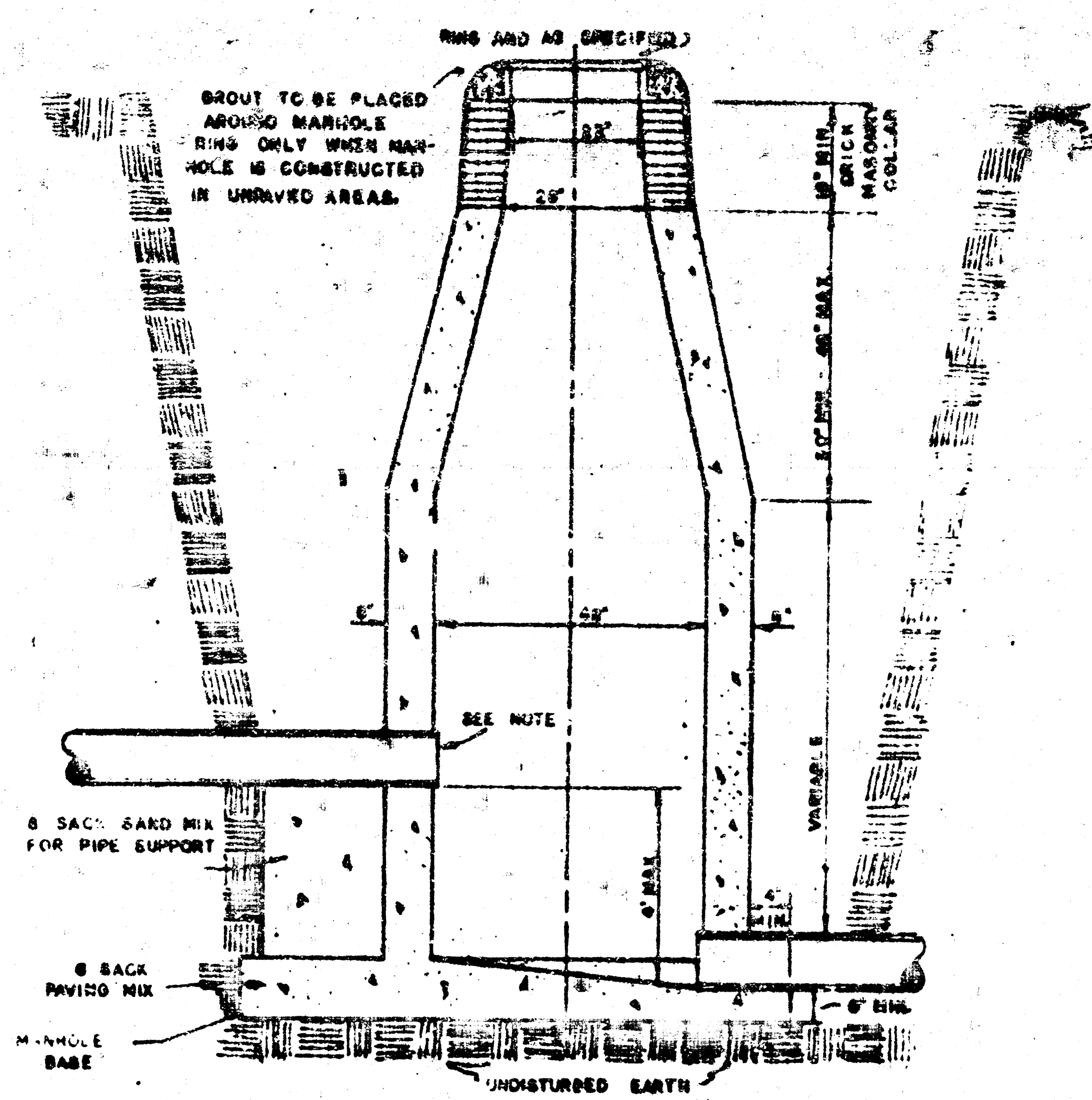


MANHOLE COVER



SIDE VIEW

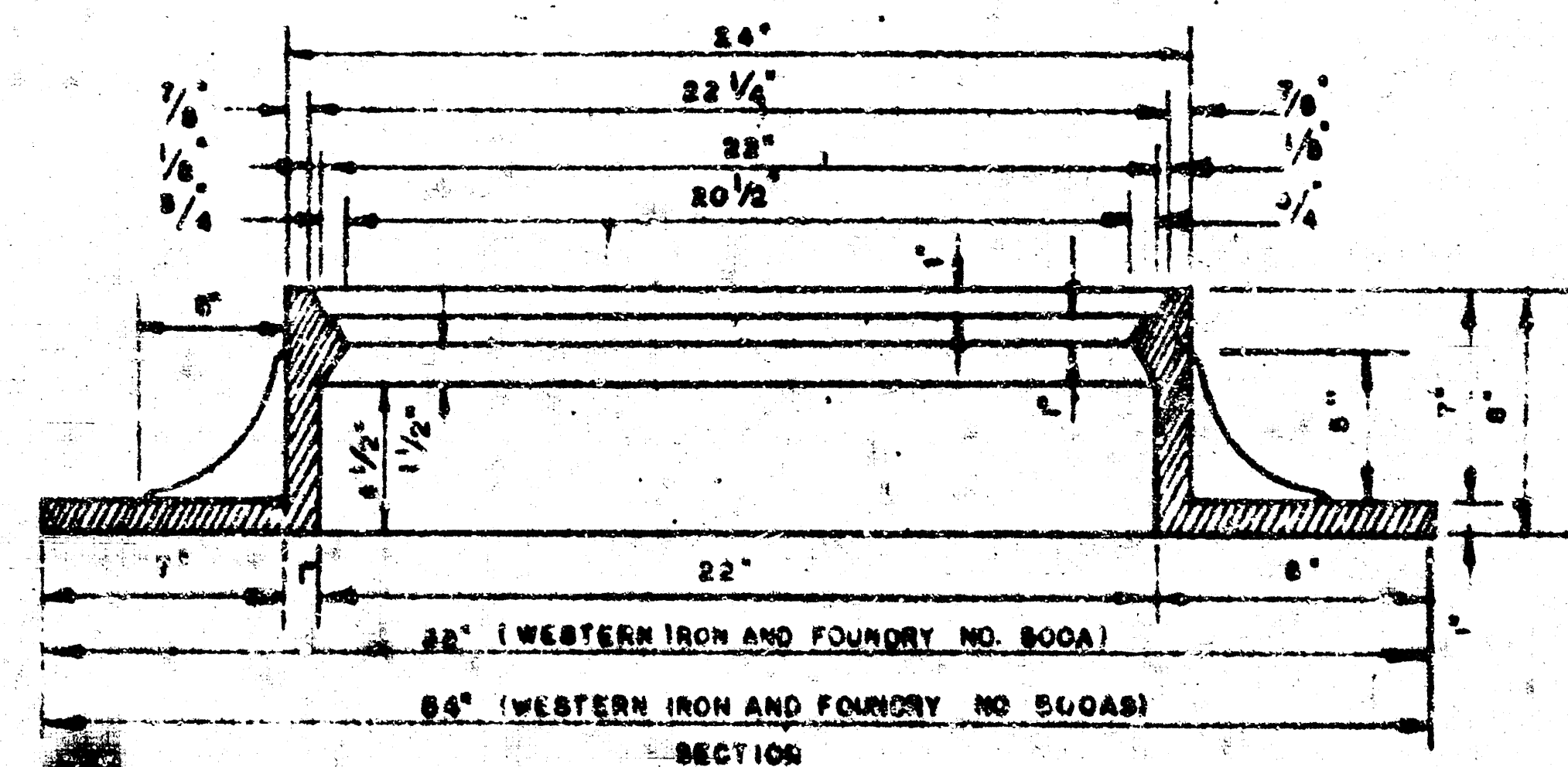
DROP MANHOLE, TYPE "C"



MANHOLE RING

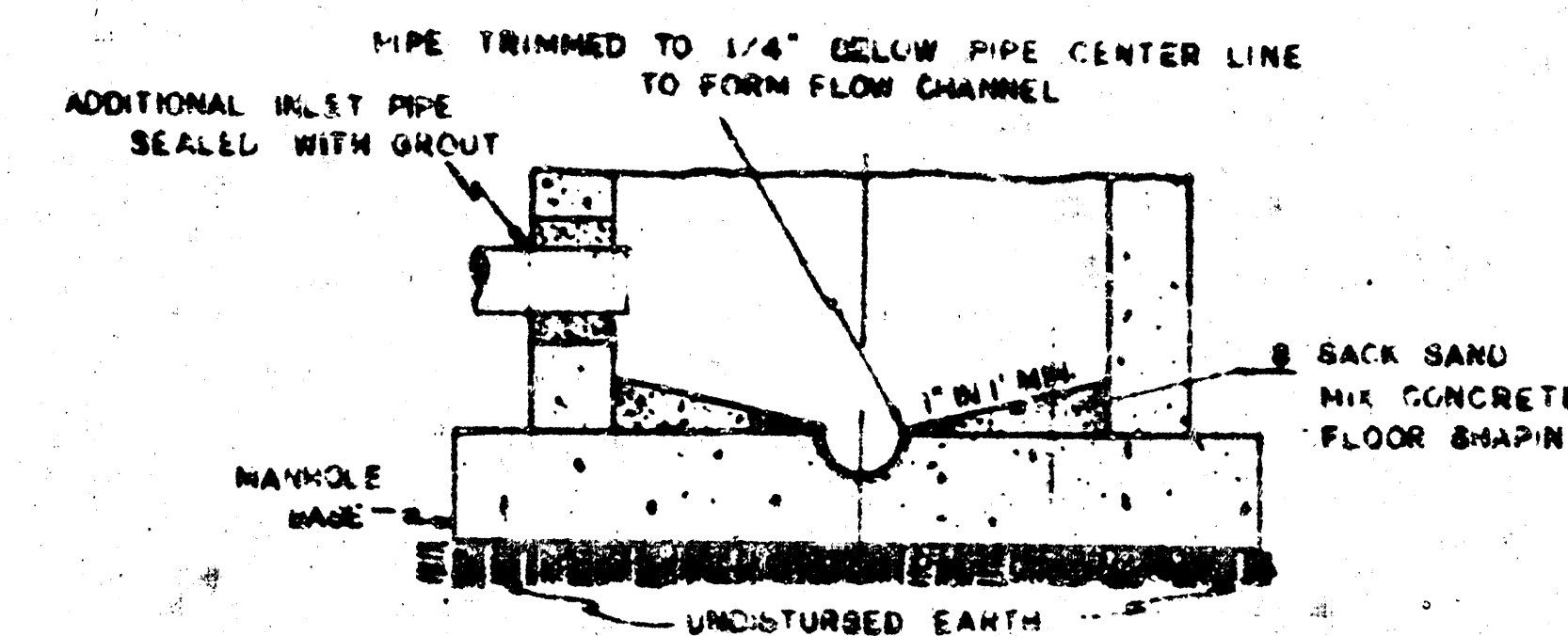
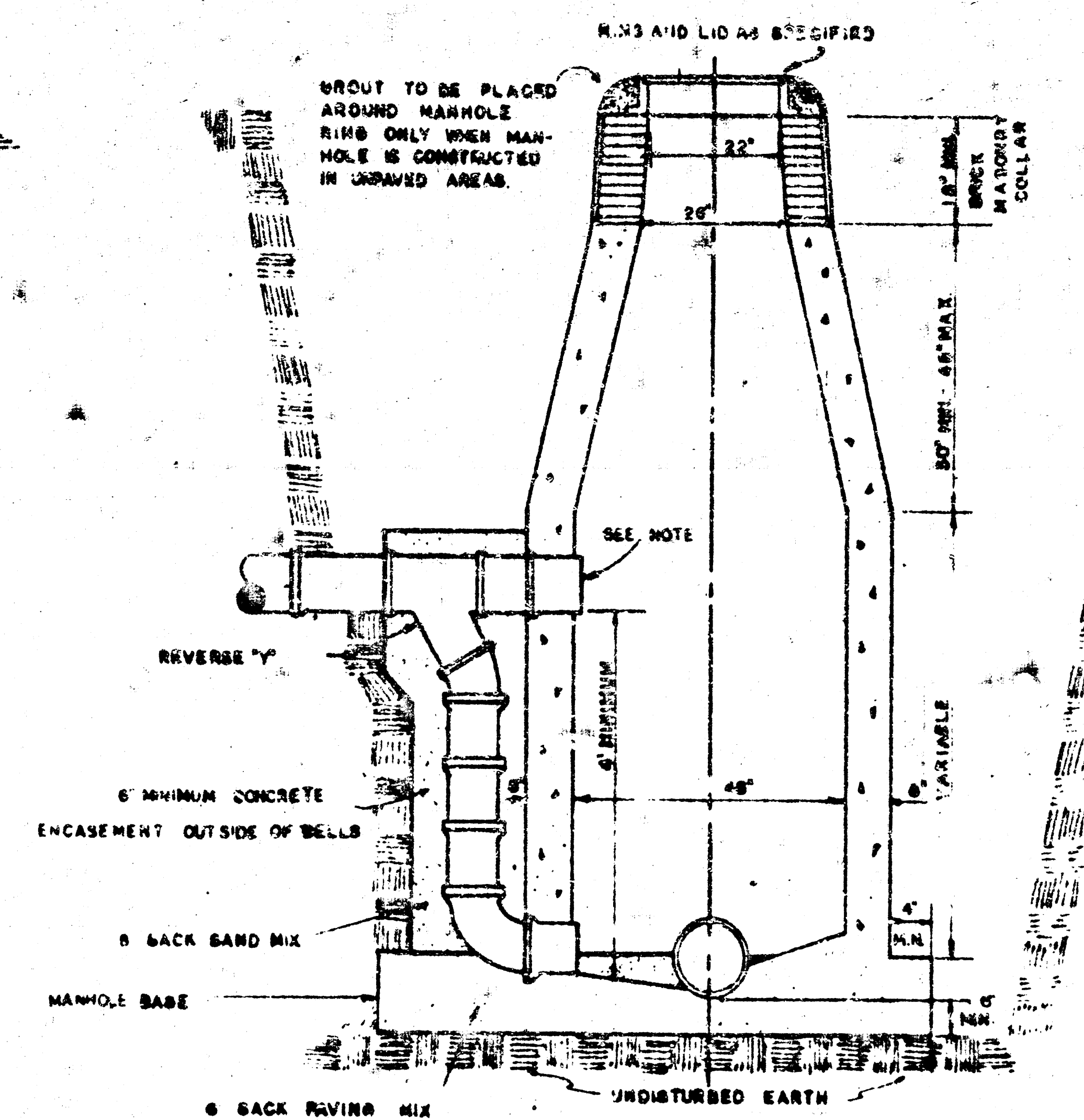
WEIGHT 325 LBS. RING NO. 800A

WEIGHT 800 LBS. RING NO. 800A



SECTION

OUTSIDE DROP MANHOLE, TYPE "C"



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.

GENERAL NOTES

MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 6 SACKS OF PER CUBIC YARD.

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

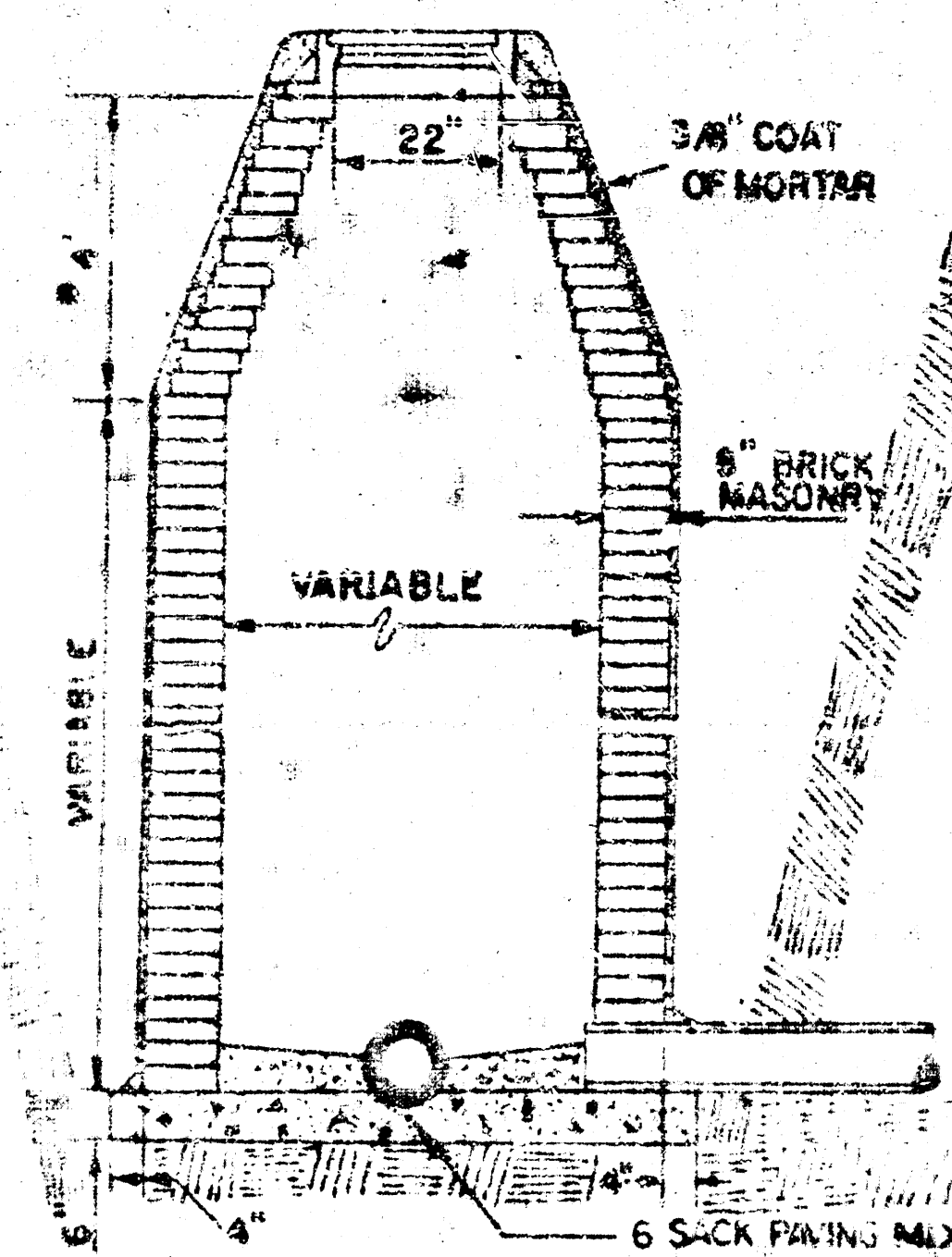
OUTSIDE DROP MANHOLES TYPE "C" SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4 FT. UNLESS INDICATED OTHERWISE. MANHOLES WITH PIPE SIZES LARGER THAN 24" SHALL BE 5 FT. DIAMETER.

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

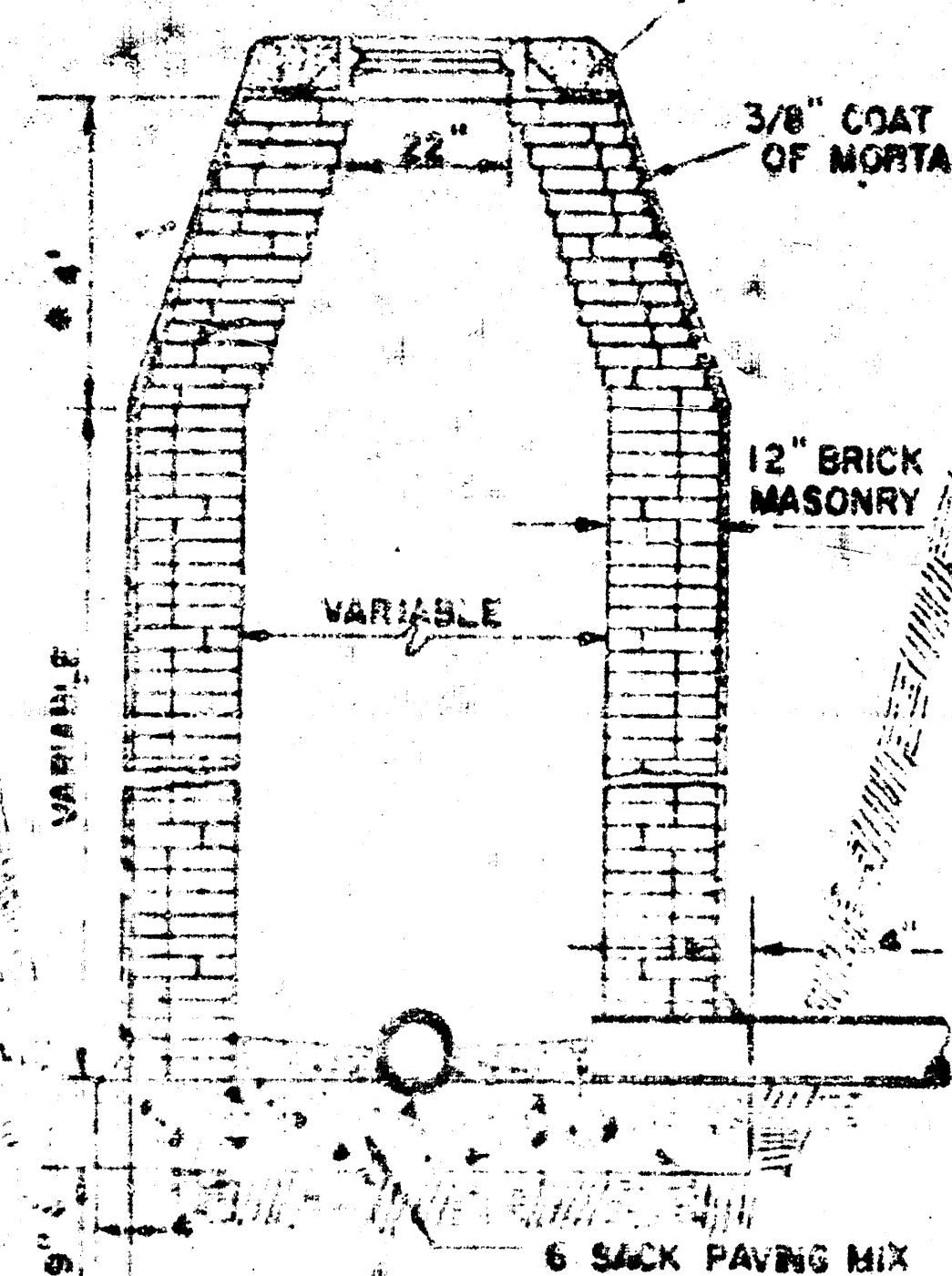
CAST IN PLACE CIRCULAR CONCRETE MANHOLES ARE TO BE CONSTRUCTED ONLY ON SEWERS NOT SUBJECT TO DETERIORATION OF CONCRETE DUE TO FORMATION OF HYDROGEN SULFIDE GAS AND IN LOCATIONS WHERE IT IS OBVIOUS THAT ANY ADJUSTMENT OF THE MANHOLE TOP ELEVATION WHICH MAY BE NECESSARY WILL REQUIRE MODIFICATION OF THE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

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS

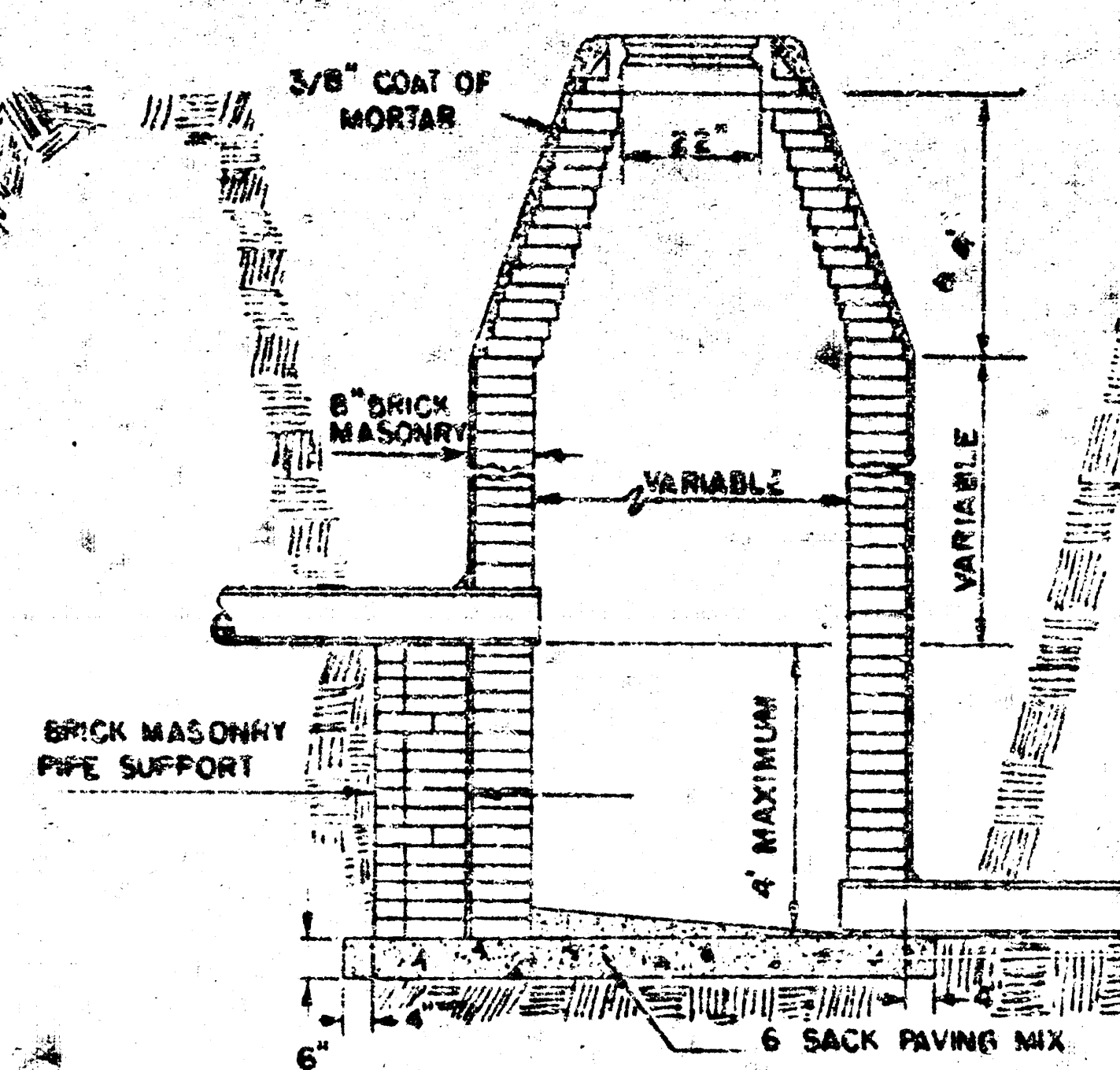
GROUT TO BE PLACED AROUND MANHOLE RING ONLY WHEN MANHOLE IS CONSTRUCTED IN UNPAVED AREAS. (TYPICAL ALL MANHOLES)



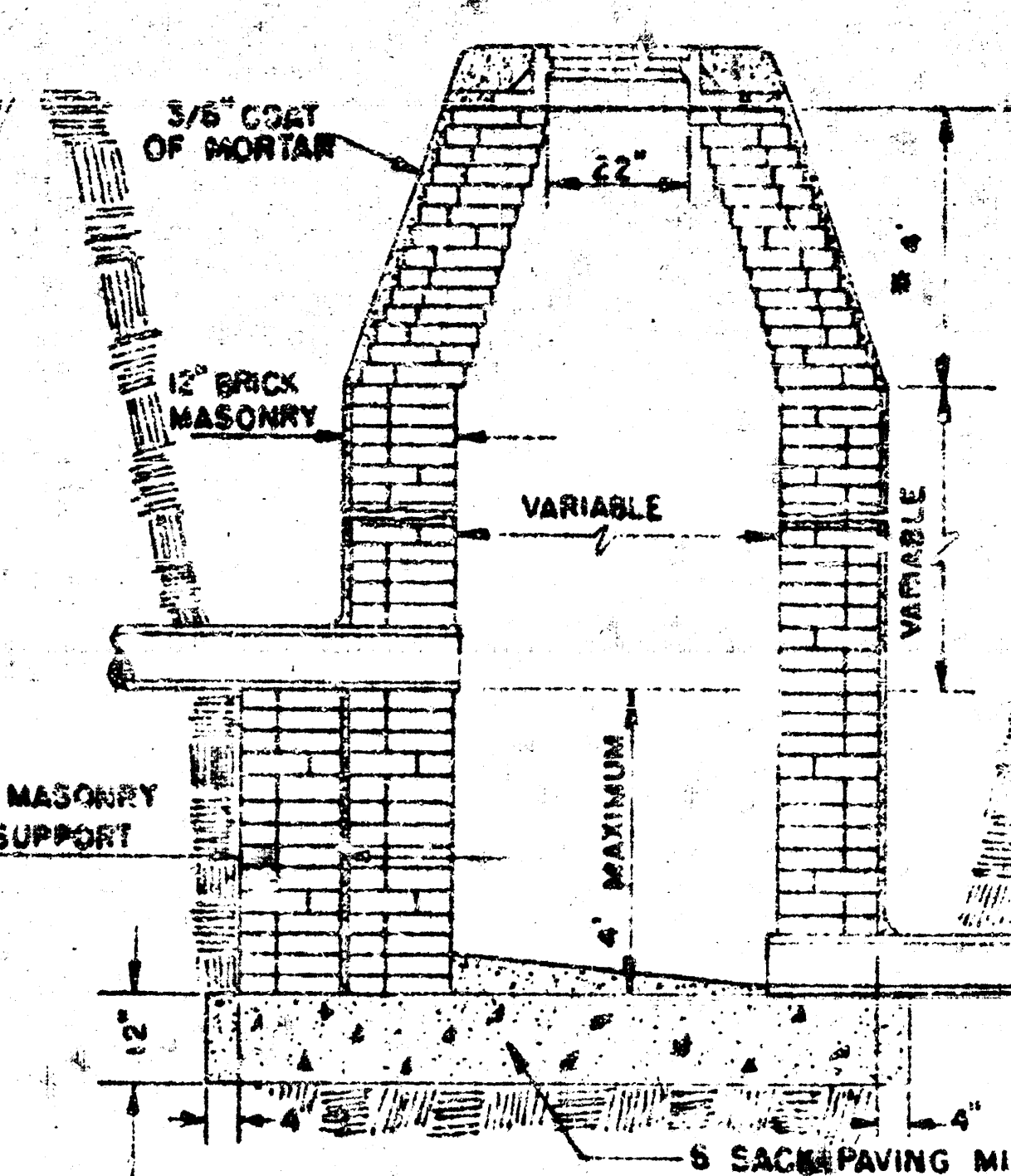
STANDARD MANHOLE
TYPE "A"



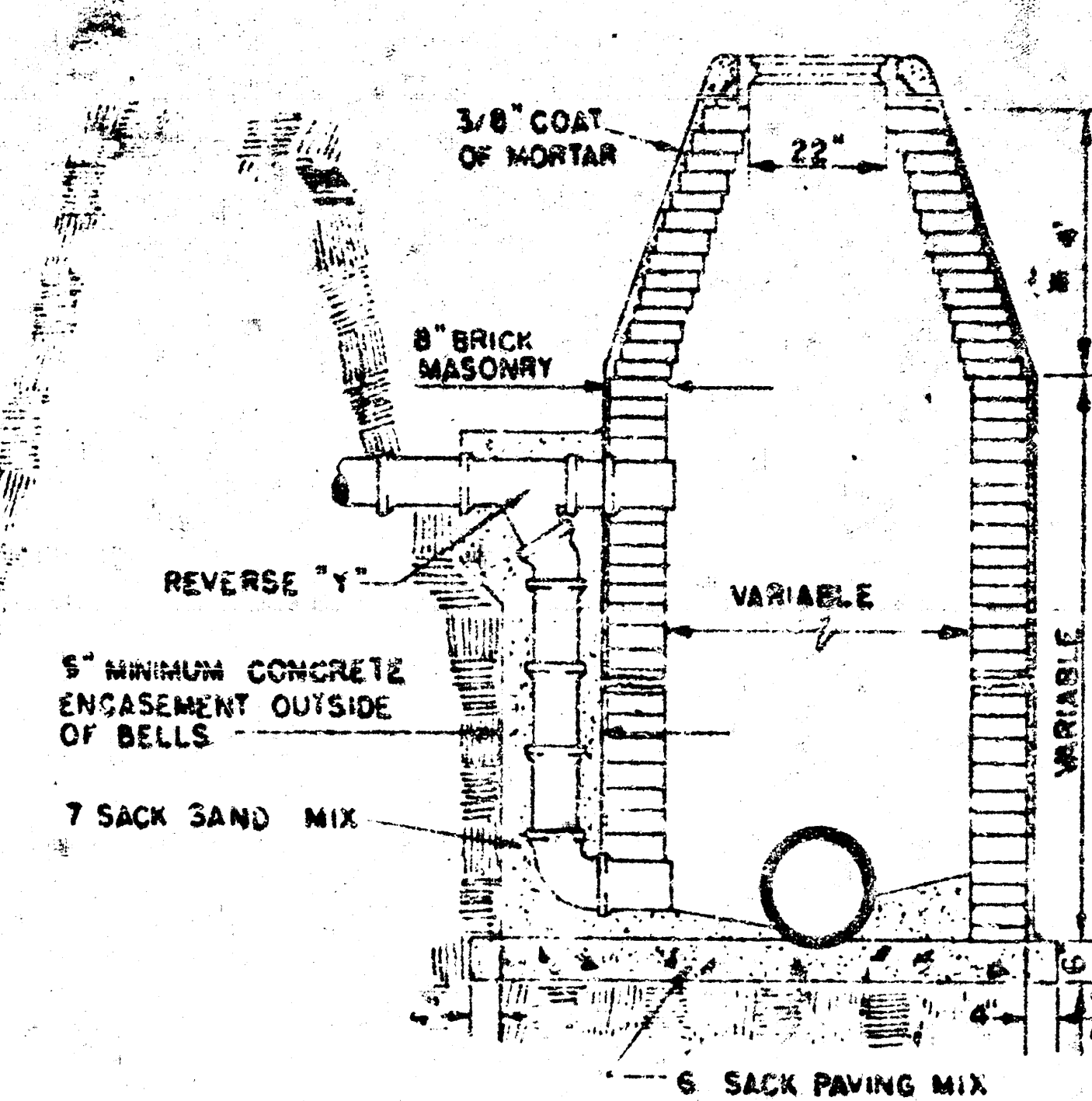
STANDARD MANHOLE
TYPE "B"



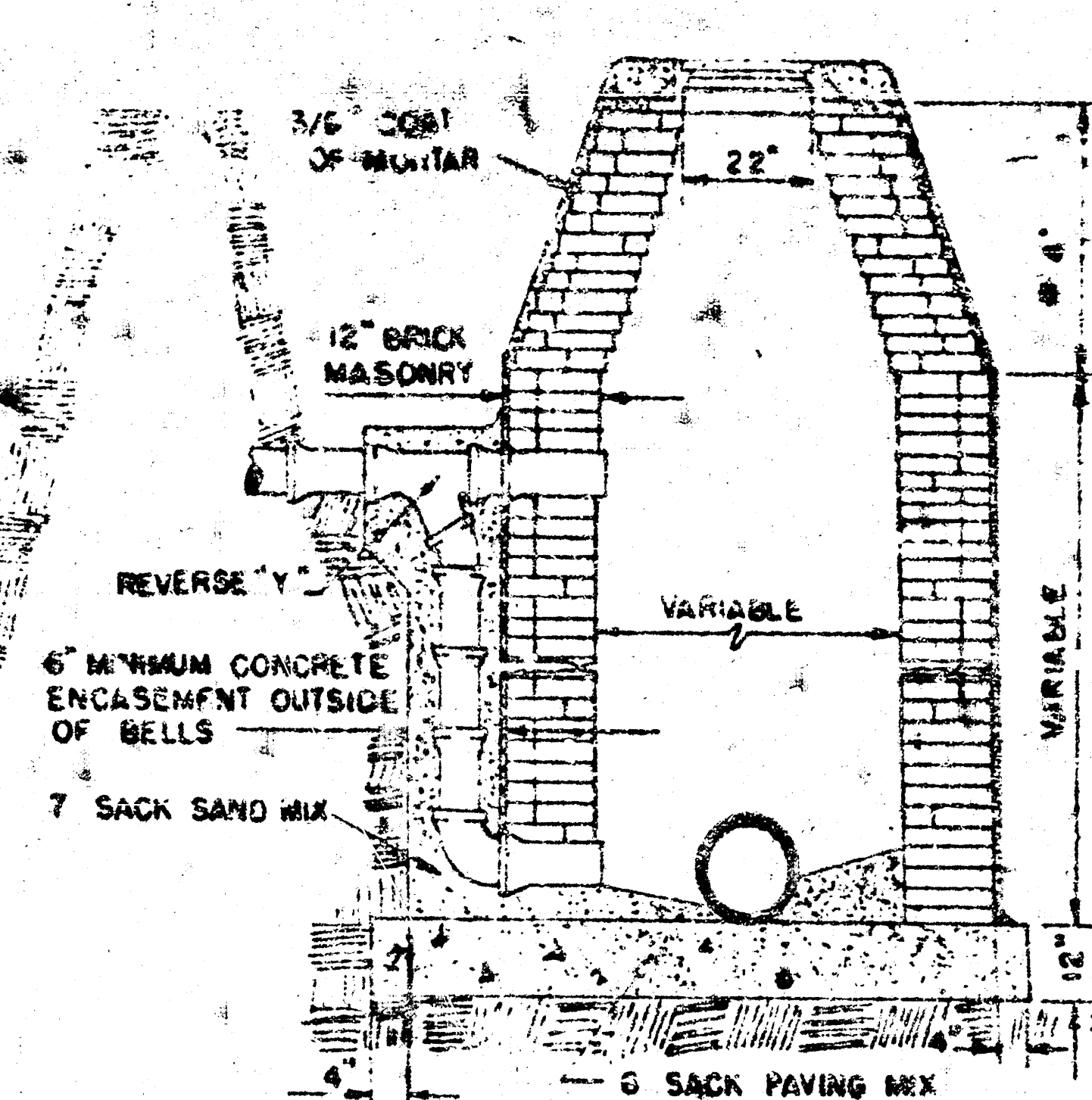
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

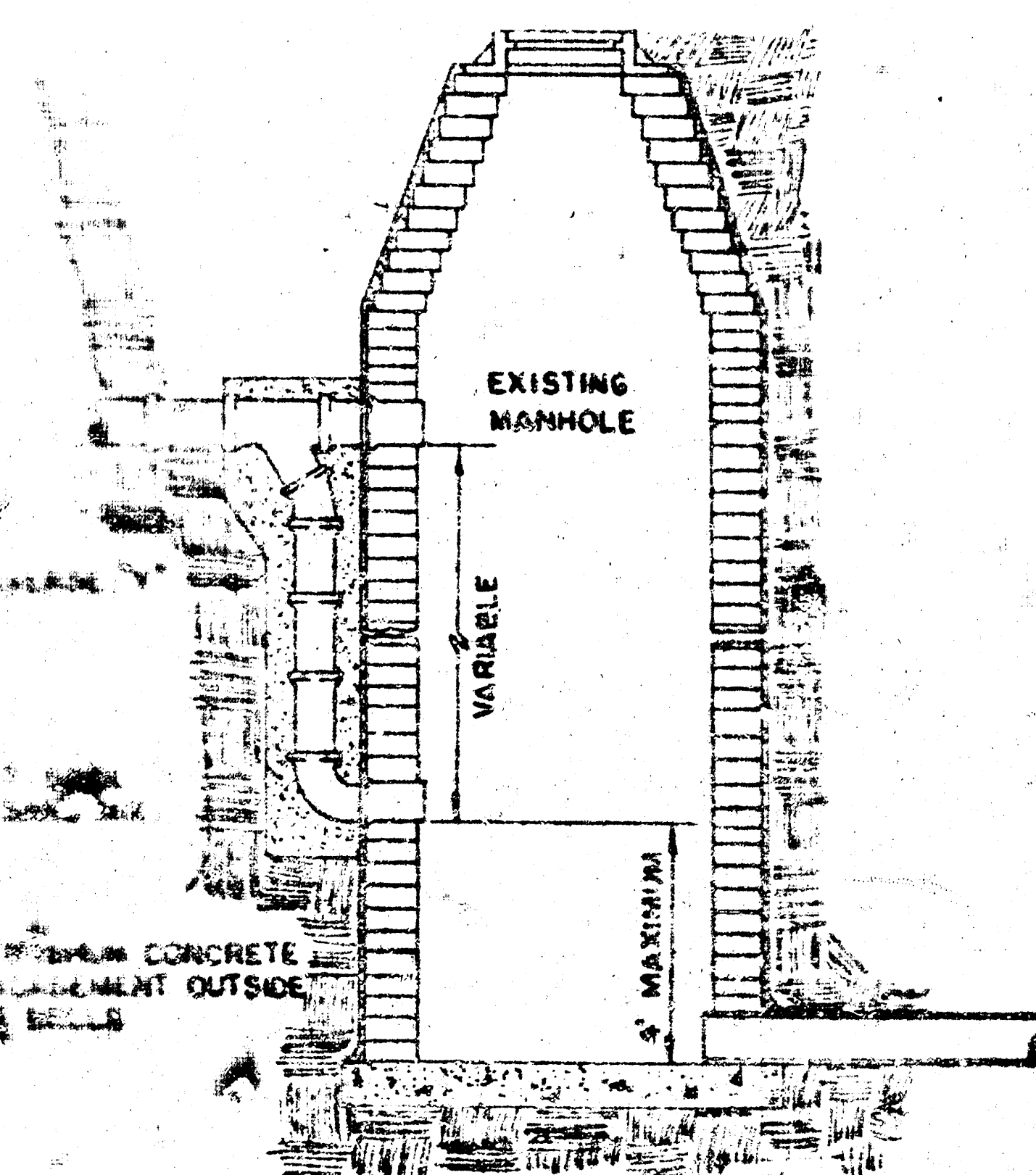


OUTSIDE DROP MANHOLE
TYPE "A"



OUTSIDE DROP MANHOLE
TYPE "B"

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

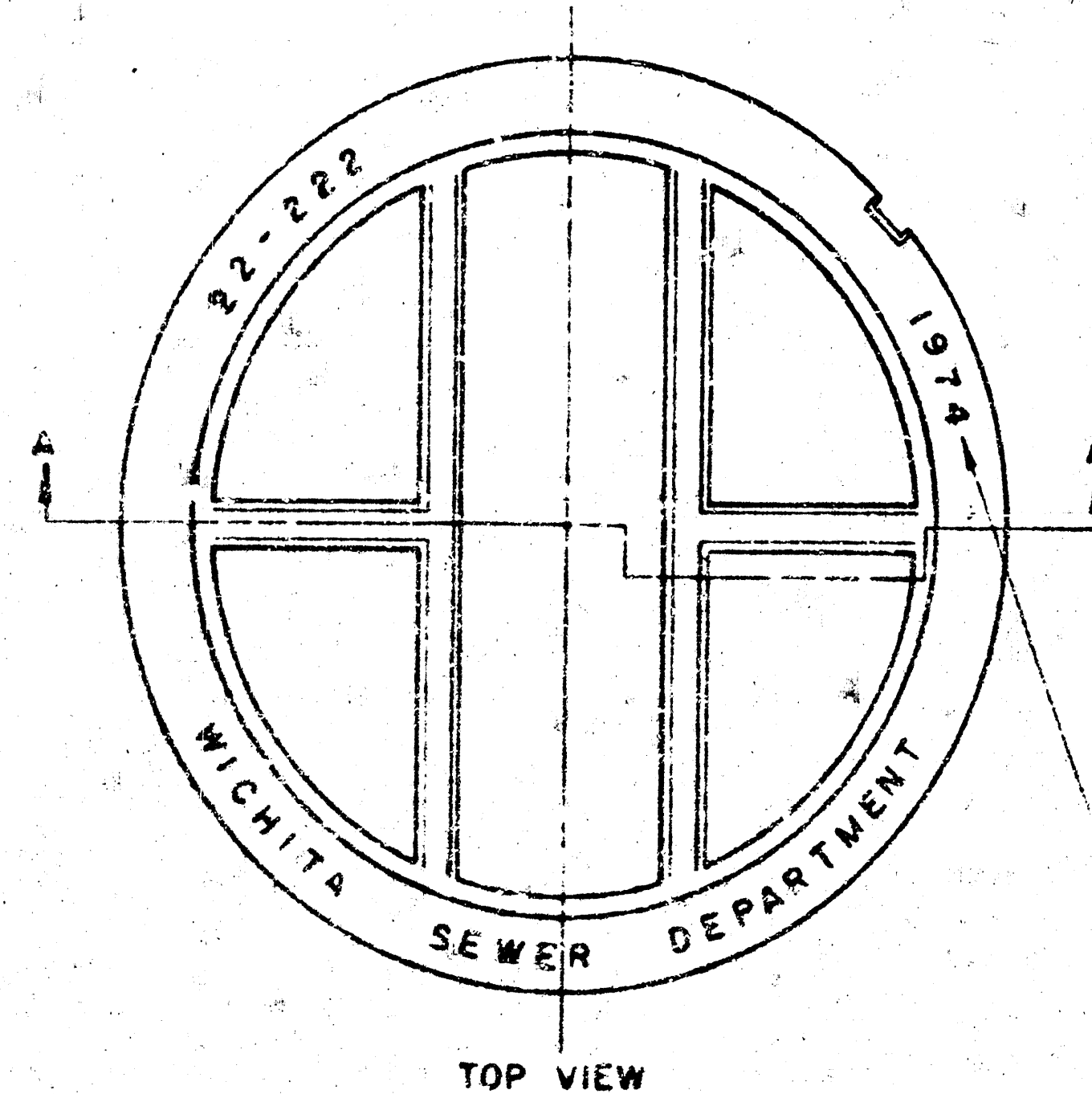


DETAIL OF DROP STACK

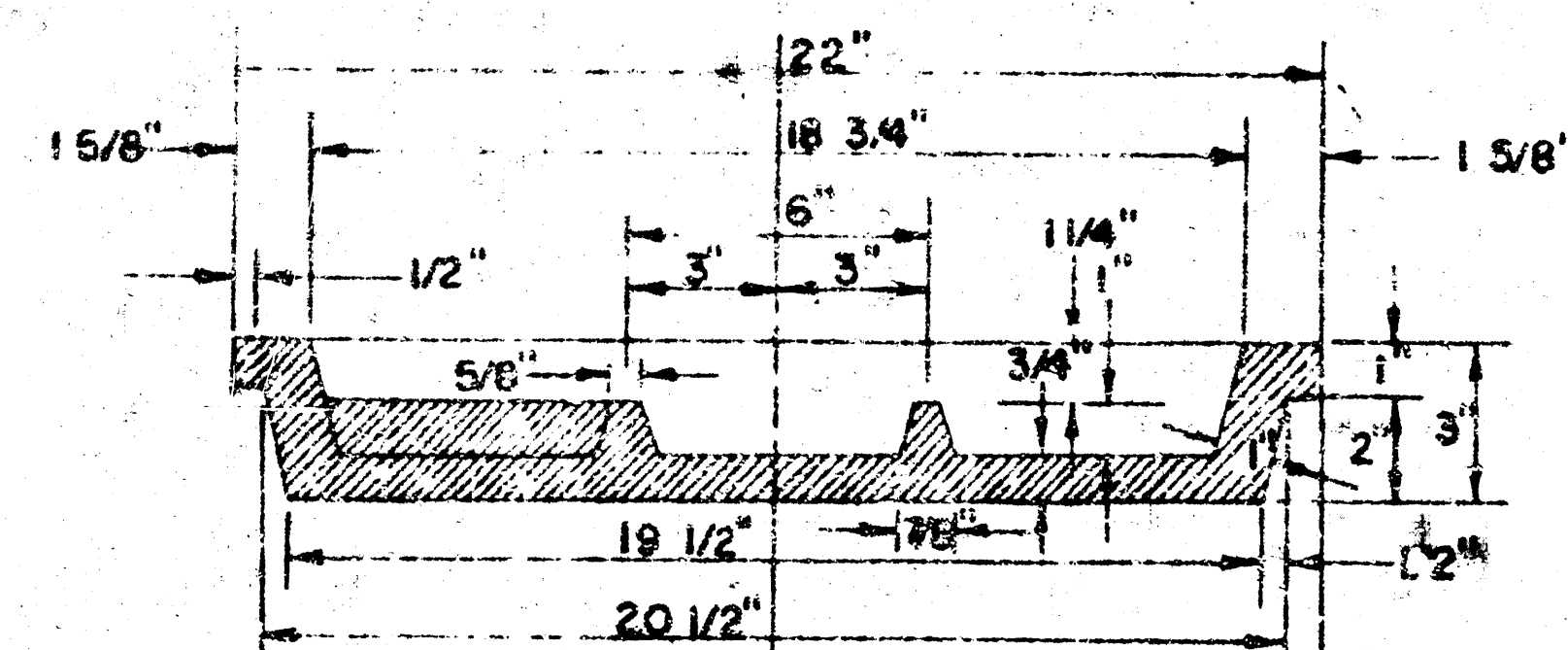
FOR EXISTING MANHOLES IN GROUND WATER

GENERAL NOTES

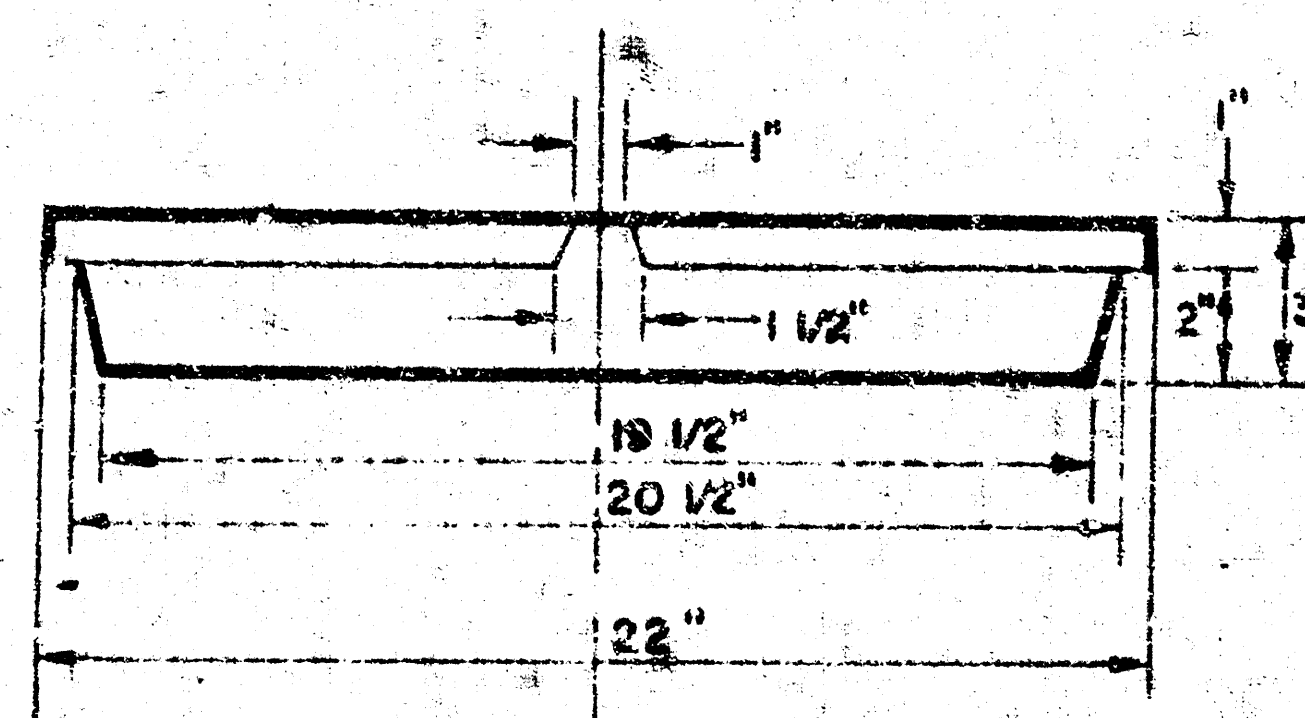
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 6 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE "A" OR TYPE "B" AND STANDARD DROP MANHOLES TYPE "A" OR TYPE "B" SHALL BE BUILT AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED.
- OUTSIDE DROP MANHOLES SHALL BE BUILT AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.
- MANHOLES WITH PIPE SIZES LARGER THAN 24" SHALL BE 5' DIAMETER.
- THE FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INCREASE HYDRAULIC EFFICIENCY USING 6 SACK SAND MIX CONCRETE.



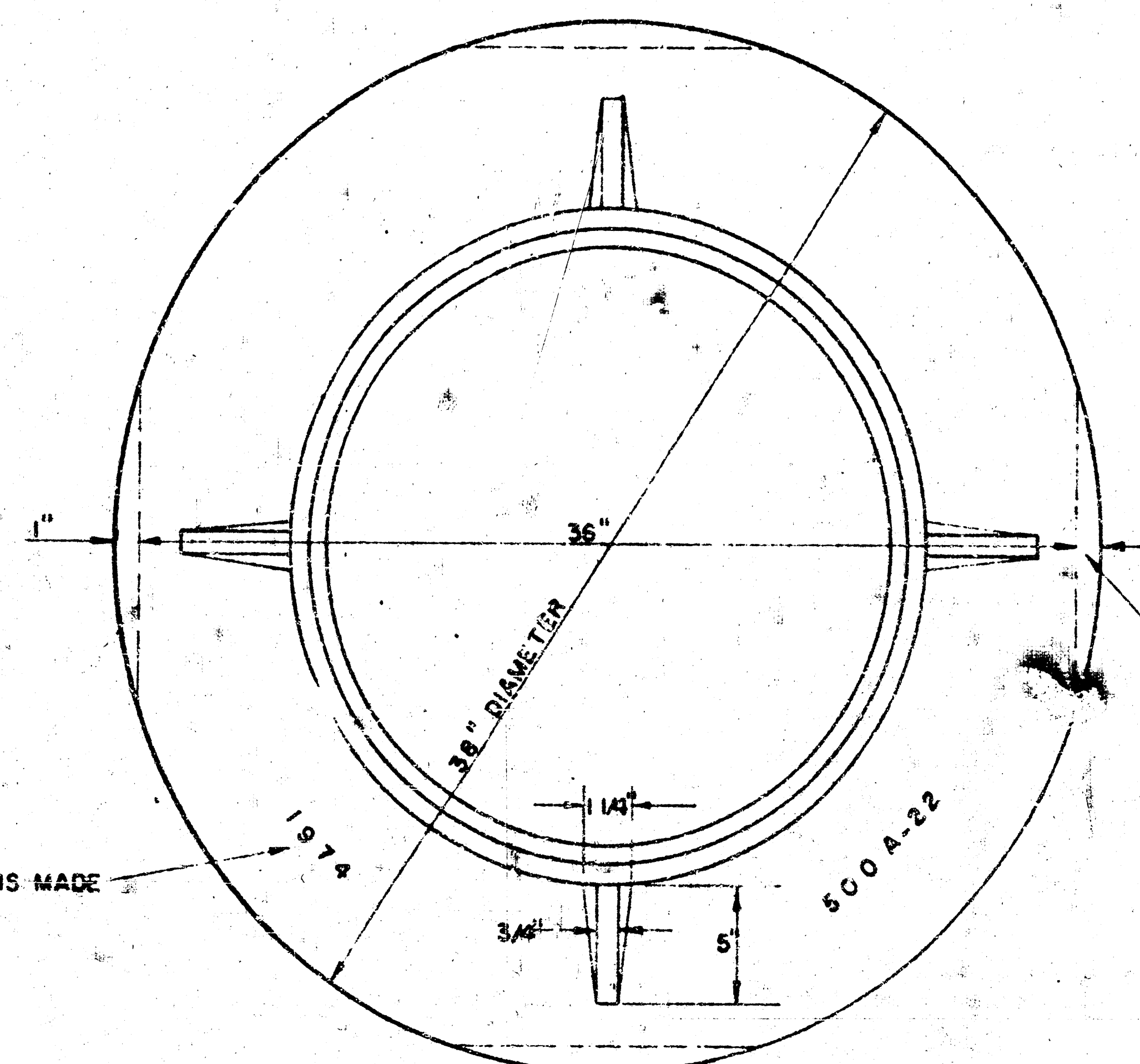
MANHOLE COVER
WEIGHT 110 LBS.



MANHOLE COVER

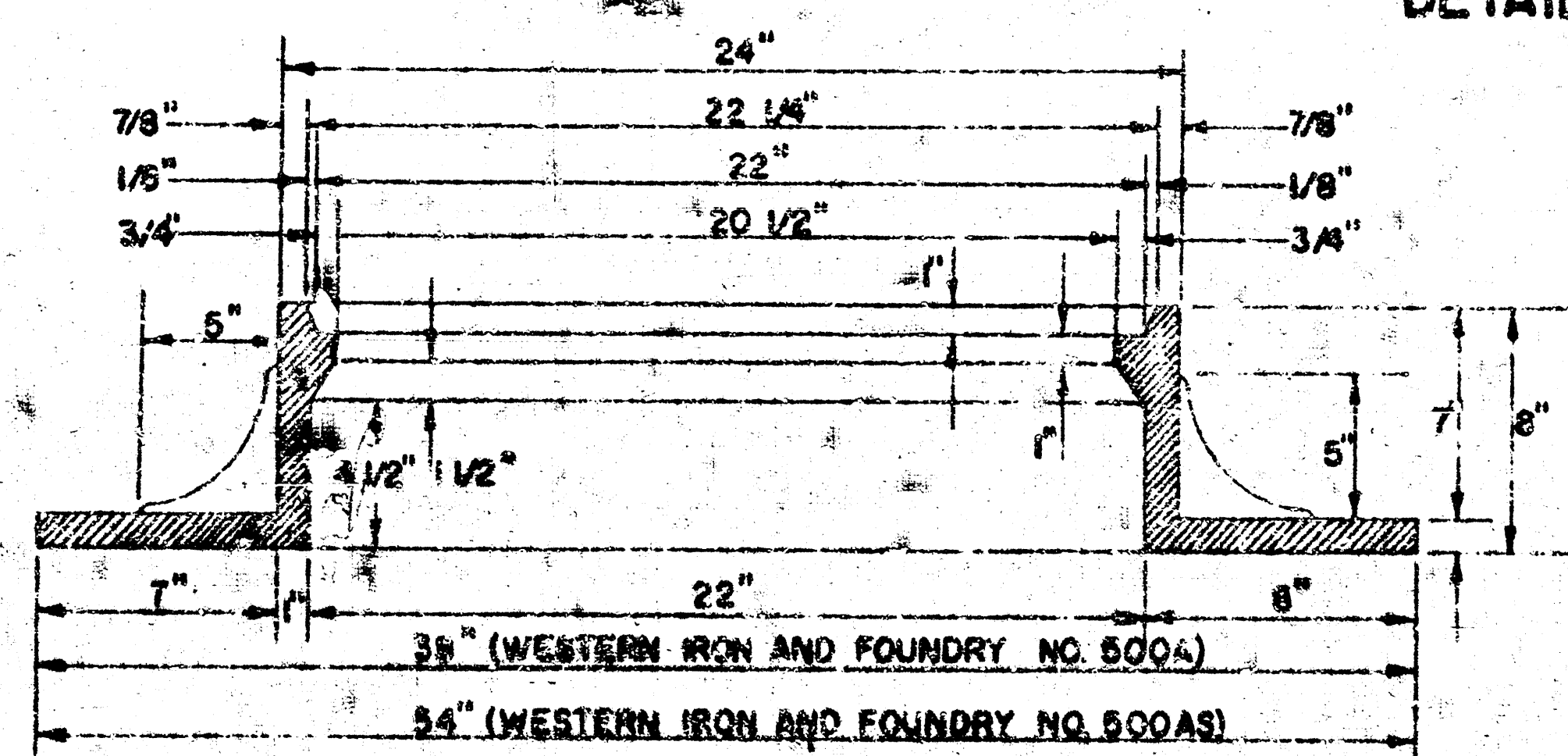


SIDE VIEW



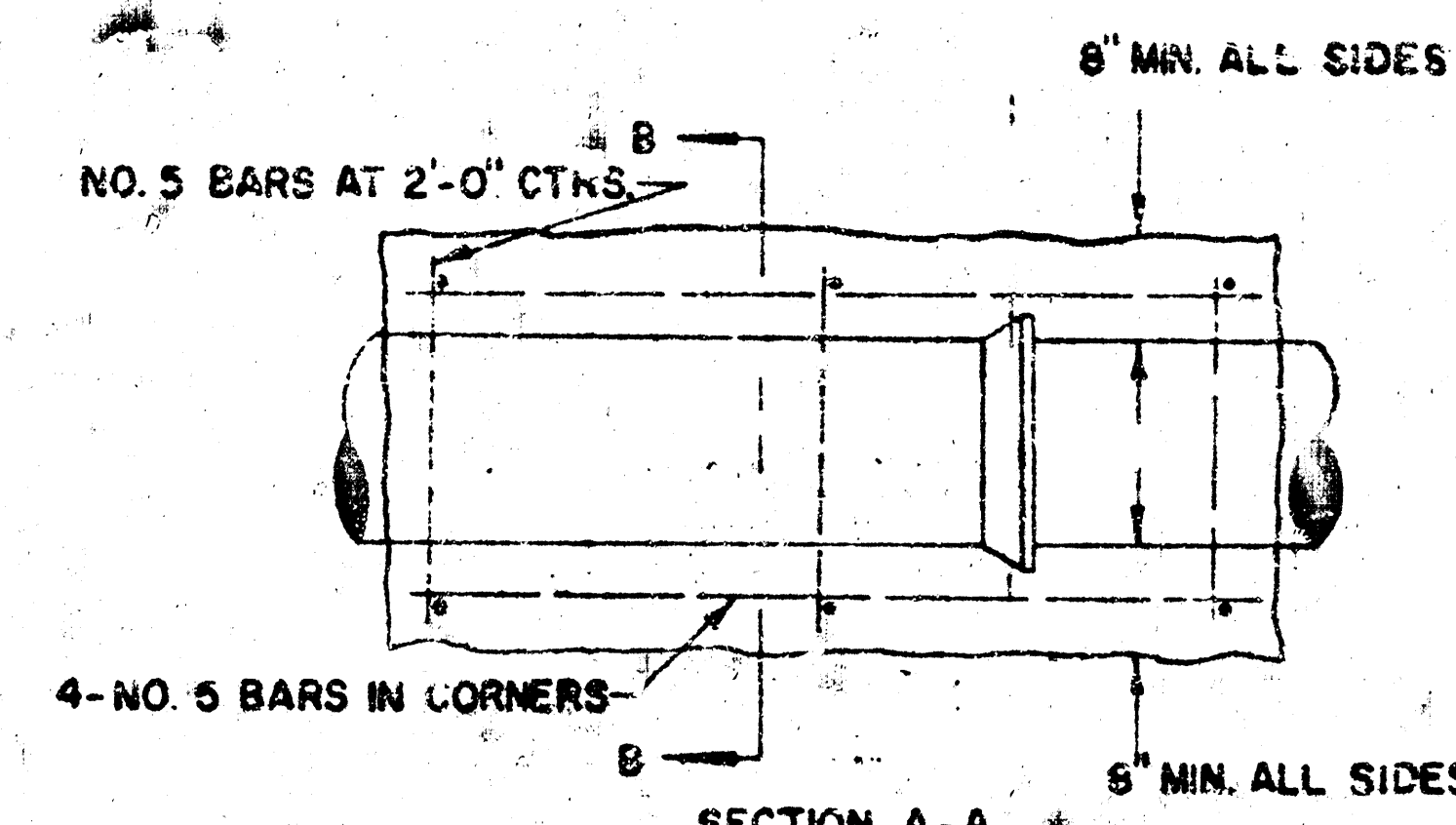
MANHOLE RING

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

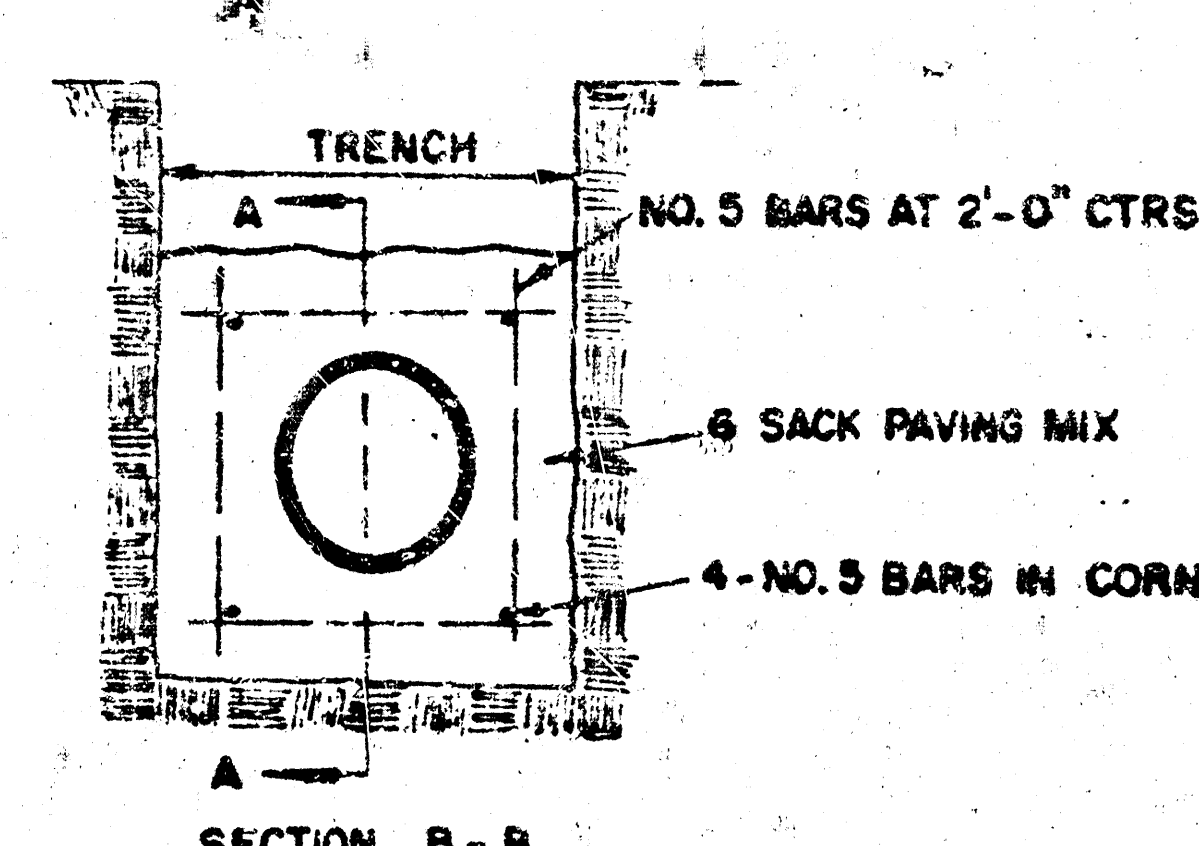


MANHOLE RING

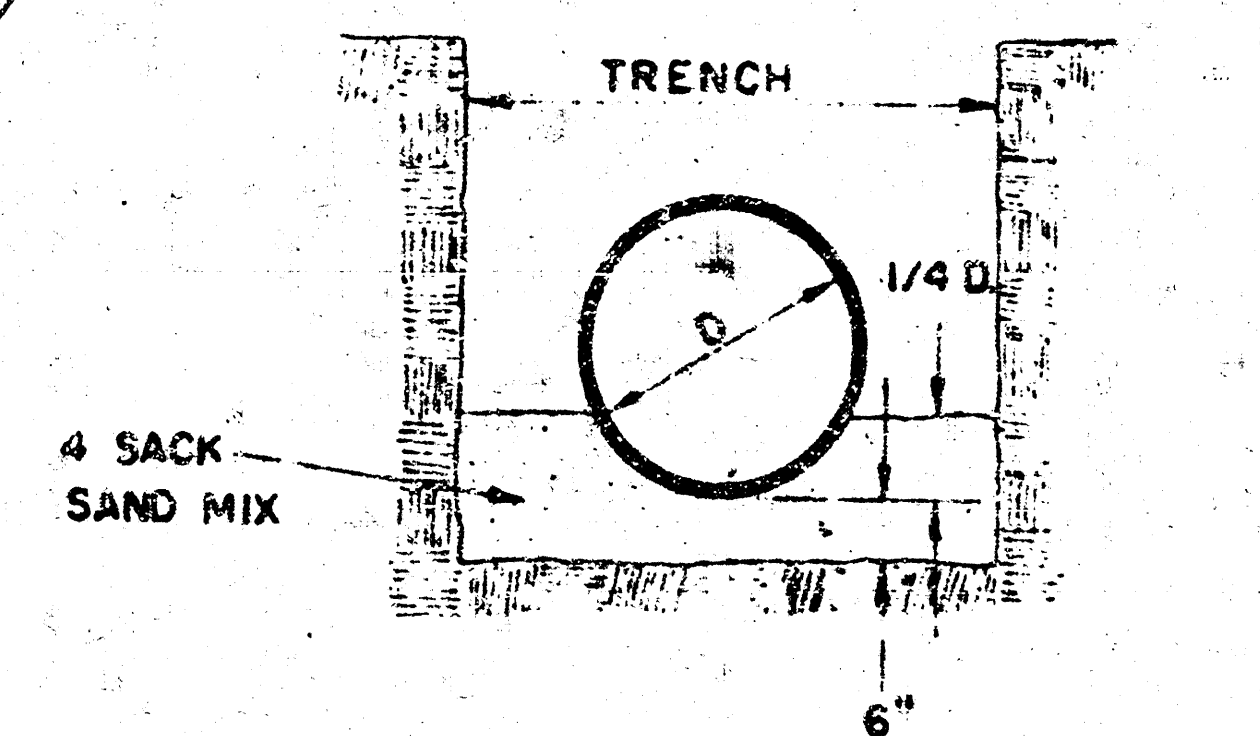
OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.



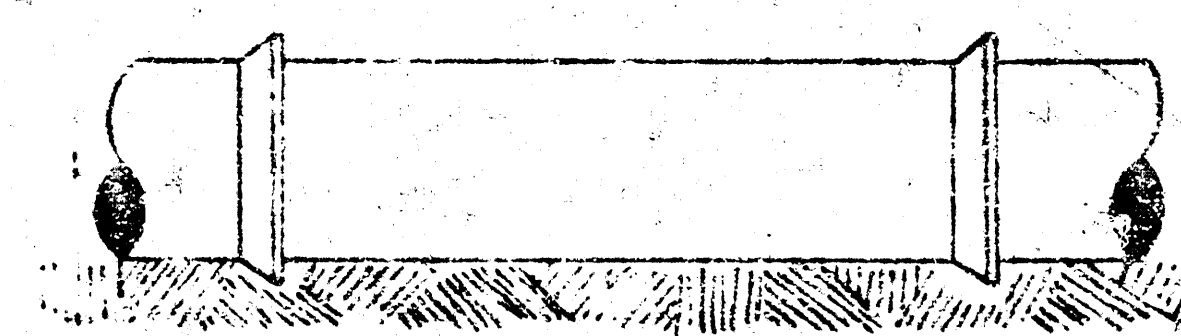
REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH



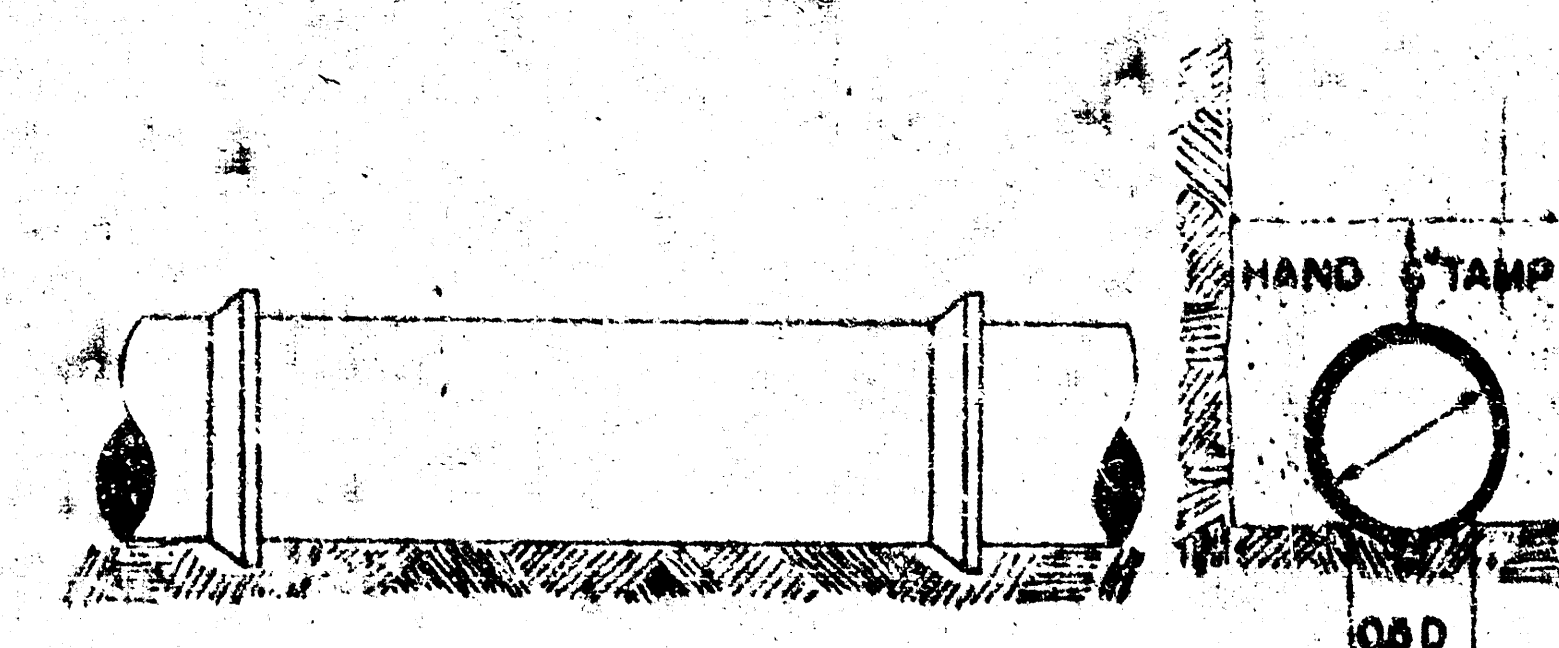
CONCRETE ENCASEMENT
FOR COVER



DETAIL OF CONCRETE CRADLE



ORDINARY BEDDING METHOD
FOR CLAY PIPE



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