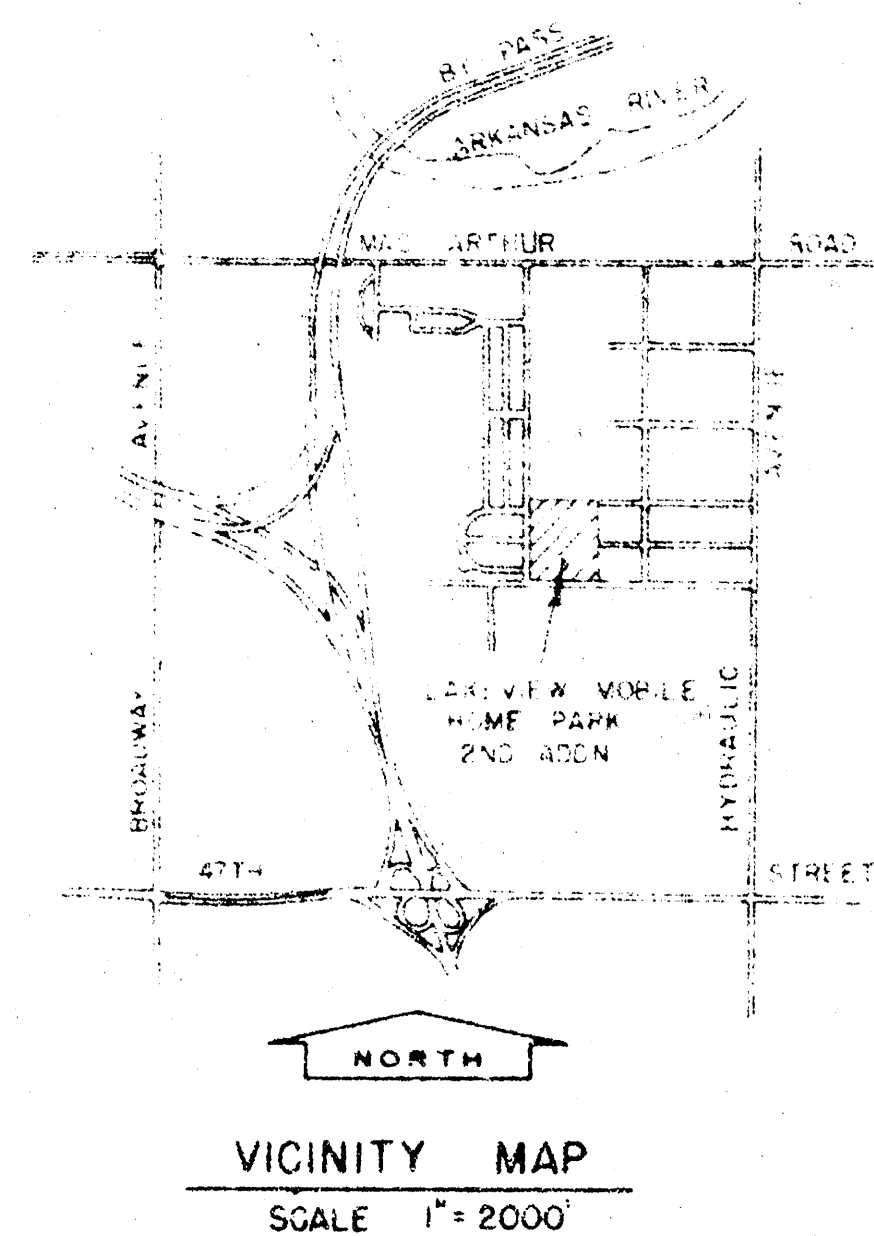


PLANS

SANITARY SEWER EXTENSIONS

PROJECT NO. - 468-76-245-80000-000-000-008



INDEX

COVER SHEET	SHEET NO. 1
LOCATION AND CONTROL PLAN	SHEET NO. 2
UTILITY MAP	SHEET NO. 3
SEWER LINES	SHEET NO. 4 THRU 6
SEWER APPURTENANCES	SHEET NO. 7 AND 8

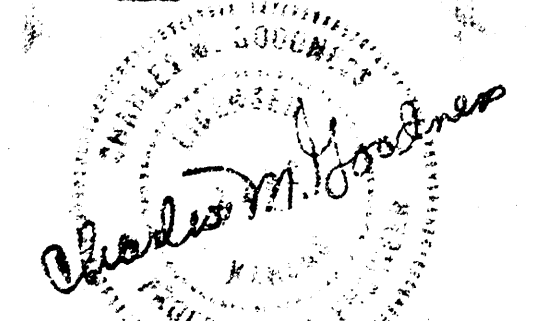
LAKEVIEW MOBILE HOME PARK 2nd. ADDITION

REISS AND GOODNESS ENGINEERS
2160 W. 21st - WICHITA KANSAS
1982

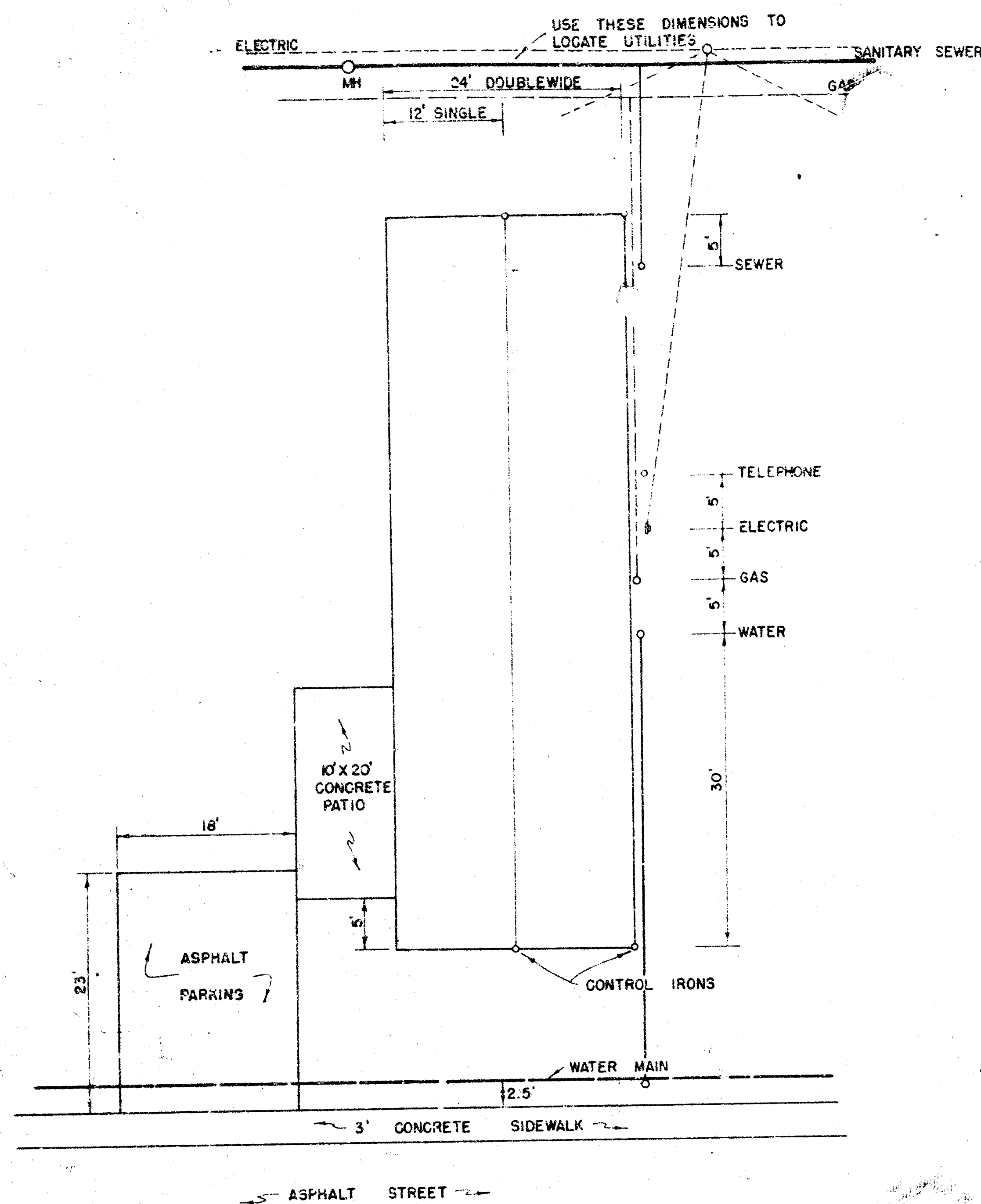
NOTE TO CONTRACTOR
This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will reimburse the City of Wichita for all cost of engineering, plans, and inspection.

Z-12-79

APPROVED AS NOTED By CITY ENGINEER OF WICHITA	
Sanitary Sewers	<i>O.E.S.</i>
Storm Sewers	
Driveway Approaches	

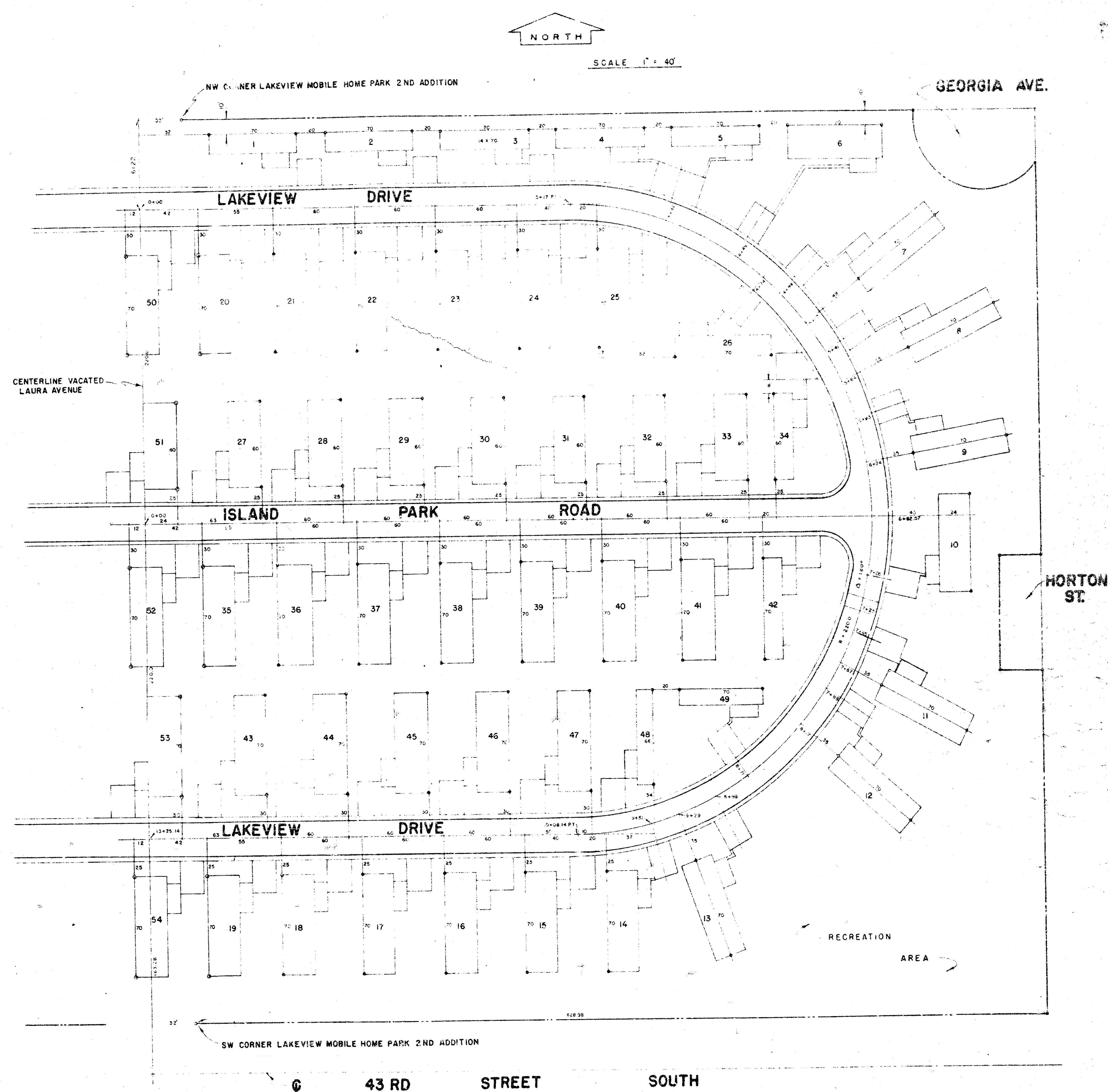


DATE	3-19-76
REVISIONS	4-20-76 1-18-82
SHEET NO.	1



TYPICAL MOBILE HOME SPACE
SCALE 1" = 10'

CENTER LINE CURVE INFORMATION			
Station	Defl. Angle	Total Defl.	Chord
3+17 P.C.	9° 45' 59"	9° 45' 59"	74.66
3+92	7° 21' 21"	17° 11' 20"	56.84
4+49	1° 15' 20"	20° 26' 40"	24.99
4+89	1° 57' 12"	22° 23' 52"	15.0
5+17	1° 18' 46"	26° 02' 38"	27.98
5+41	1° 37' 11"	29° 10' 09"	23.99
5+64	2° 57' 42"	32° 09' 51"	22.99
5+83	1° 46' 3"	35° 56' 26"	28.98
6+24	4° 02' 12"	39° 58' 38"	40.97
6+27.57	5° 01' 22"	45° 00' 00"	38.52
6+62.57	8° 07' 46"	8° 07' 46"	62.22
7+25	5° 28' 09"	13° 35' 55"	41.94
7+67	2° 44' 04"	16° 19' 59"	20.99
8+17	1° 46' 35"	20° 06' 34"	28.98
8+71	2° 01' 34"	22° 08' 28"	53.86
8+93	2° 38' 46"	30° 47' 14"	27.98
9+29	3° 54' 25"	34° 41' 39"	29.98
9+51	2° 51' 53"	37° 33' 31"	21.99
10+08.14 I.T.	7° 26' 29"	45° 00' 00"	56.78



NOTE:

ALL MOBILE HOMES ARE AT RIGHT ANGLES TO ϕ OF STRAIGHT STREETS OR ARE RADIAL TO CURVED STREETS, UNLESS OTHERWISE SHOWN.

DIMENSION LINES THRU PARKING AREAS ARE ON ϕ AND ARE RADIAL TO CURVED STREETS.

LEGEND:

IRON PIN

REISS & ASSOCIATES ENGINEERS
Consulting Engineers
260 WEST 26TH ST.
WILMINGTON, DELAWARE 19803

PROJECT: LOCATION AND CONTROL PLAN - SANITARY SEWER

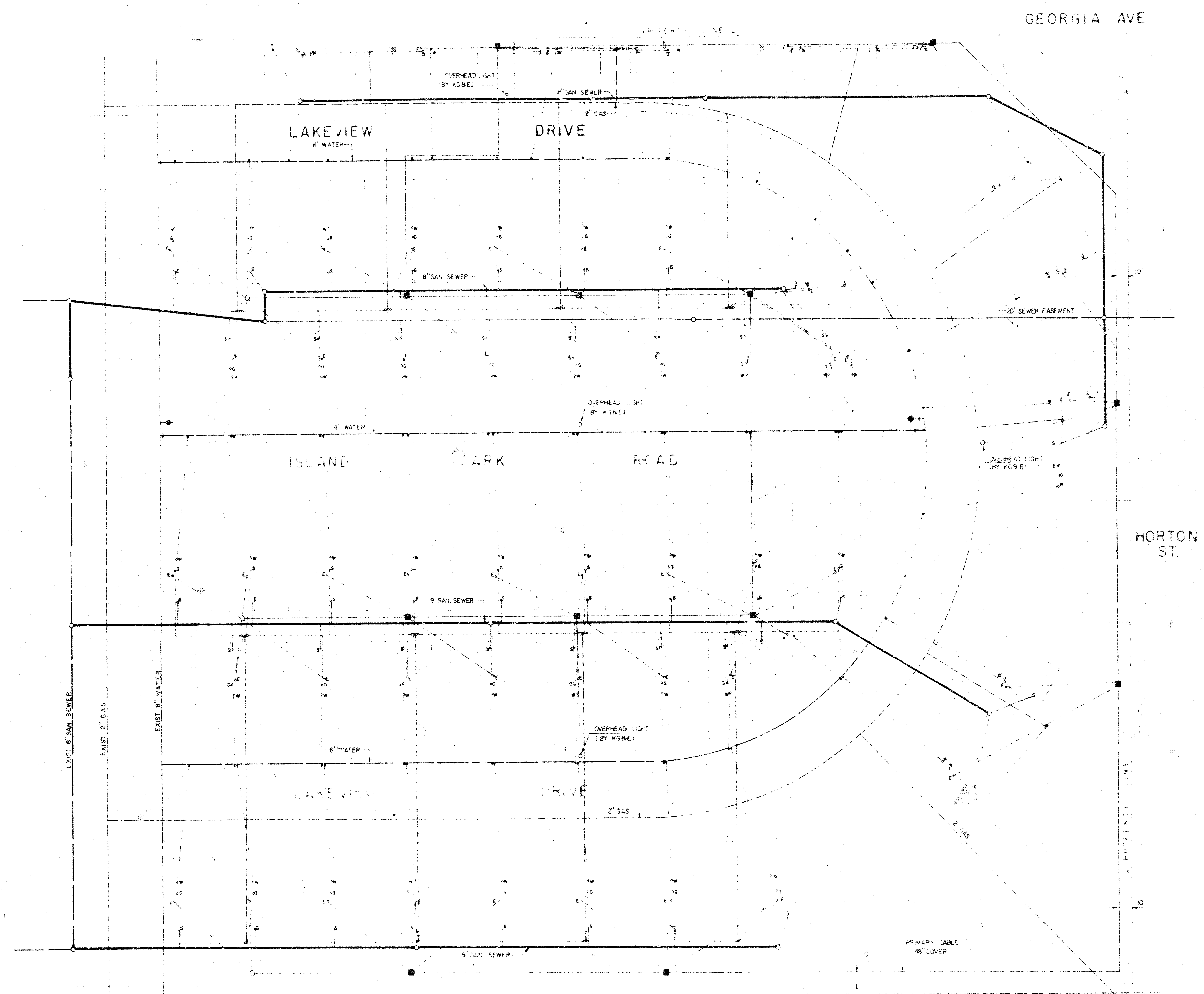
DATE: 3-19-76

REVISIONS

6-2-76

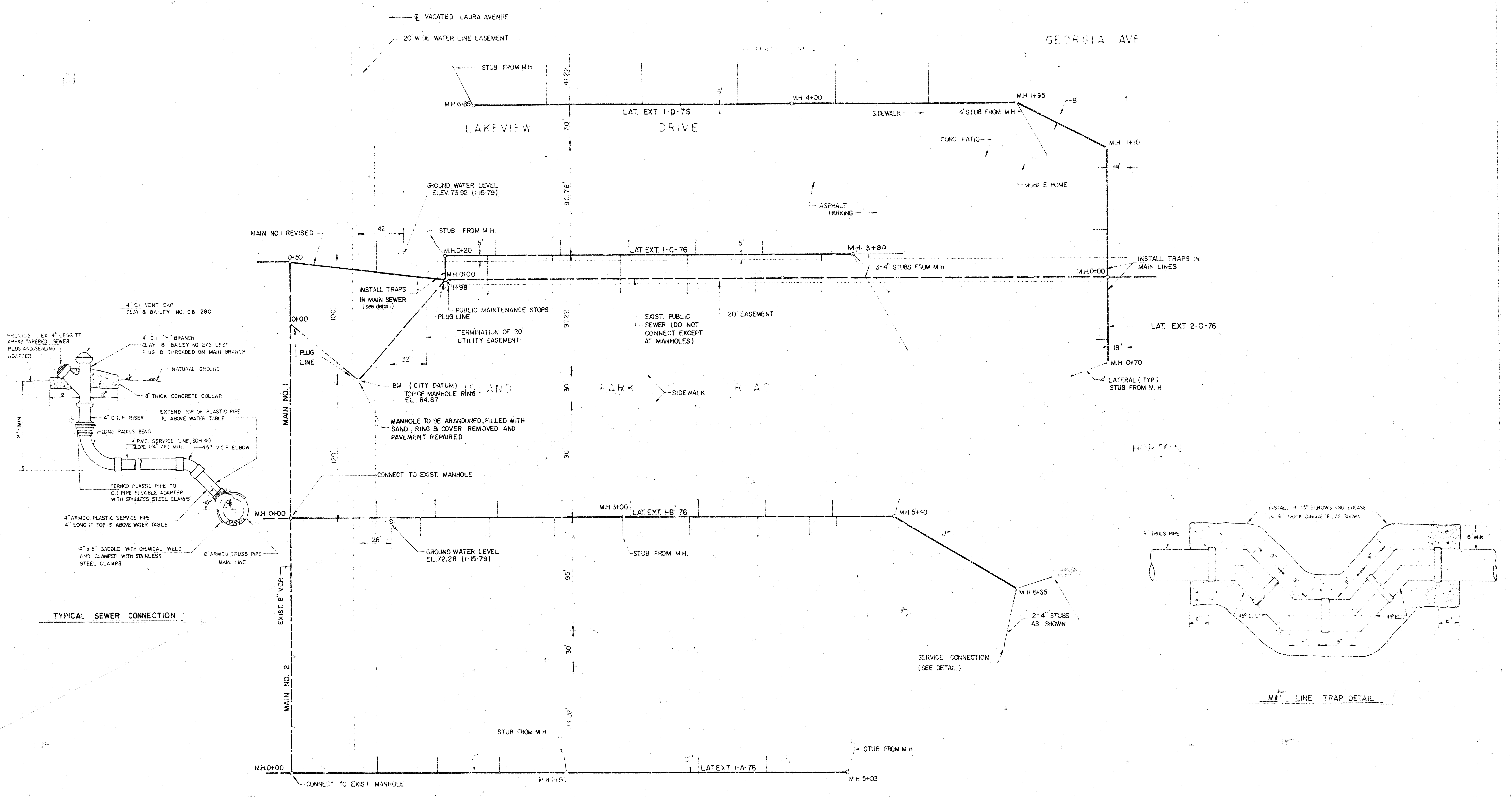
1-8-79

BY: 2/9



- LEGEND**
- PROPOSED SANITARY SEWER
 - MANHOLE
 - SANITARY SEWER SERVICE LINE
 - SANITARY SEWER SERVICE CONNECTION
 - EXISTING SANITARY SEWER
 - EXISTING WATER LINE
 - PROPOSED WATER LINE
 - VALVE
 - METER
 - SERVICE CONNECTION
 - FIRE HYDRANT
 - P.M. TRANSFORMER
 - PEDESTAL BY K.G.B.E.
 - 46 7200V. PRIMARY
 - SERVICE CONNECTION
 - PROPOSED GAS LINE

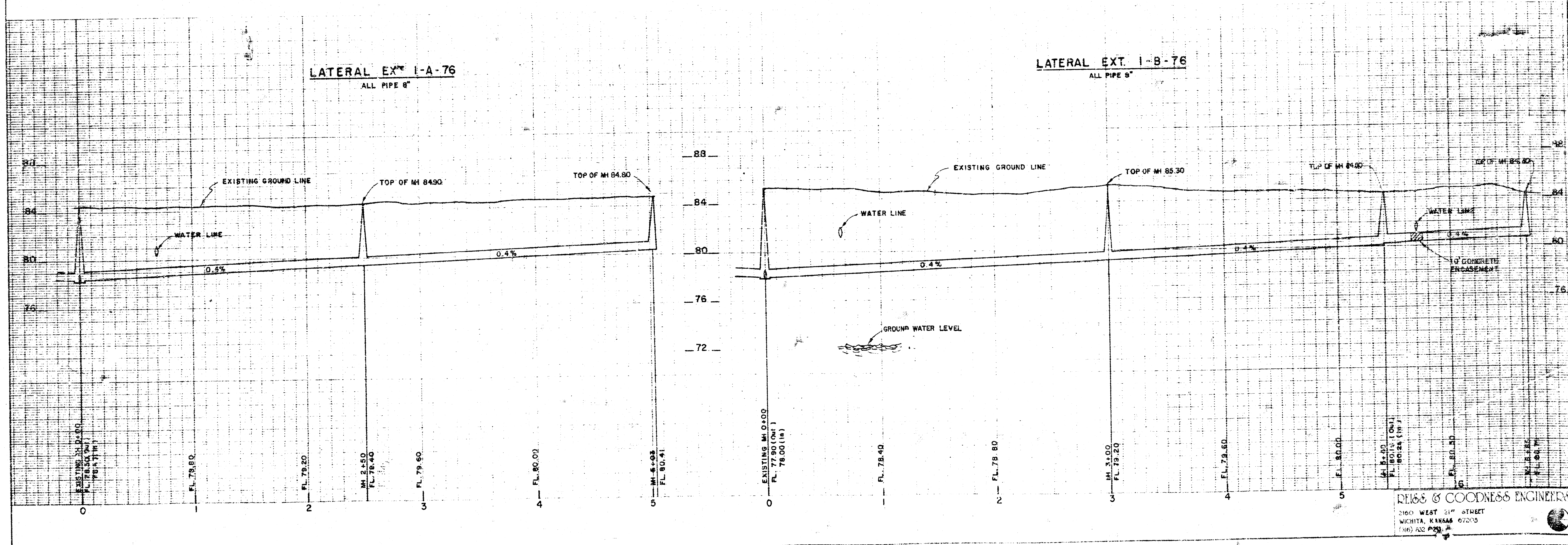
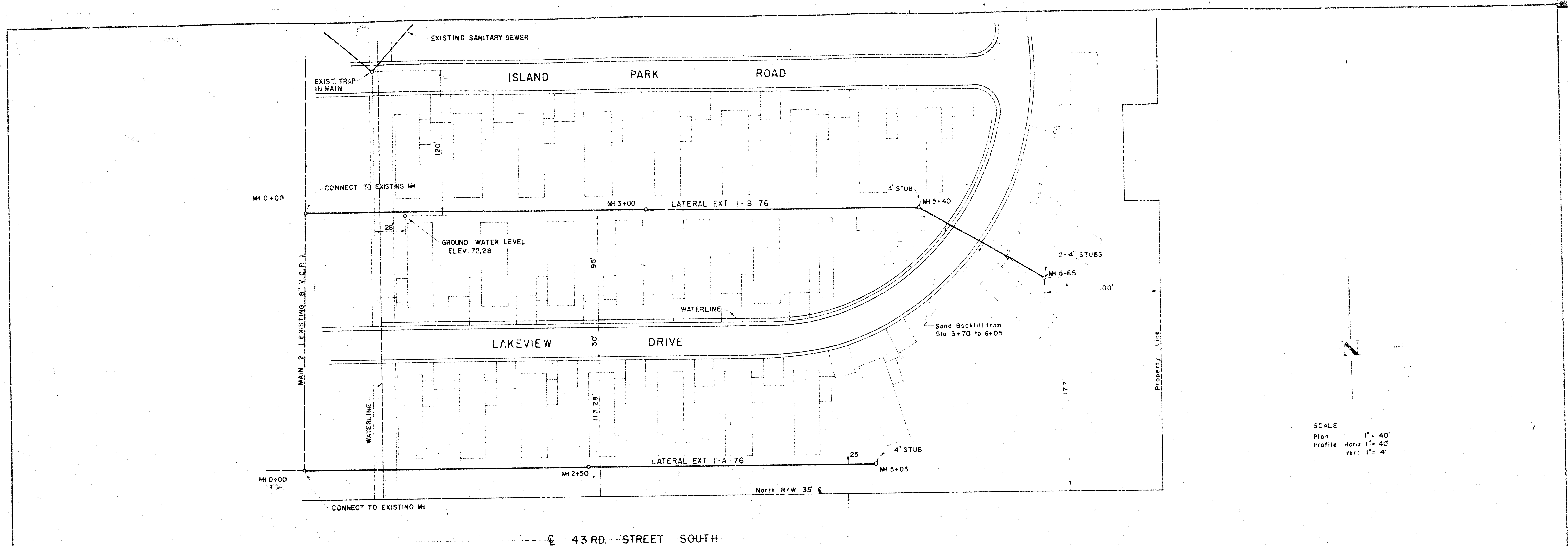
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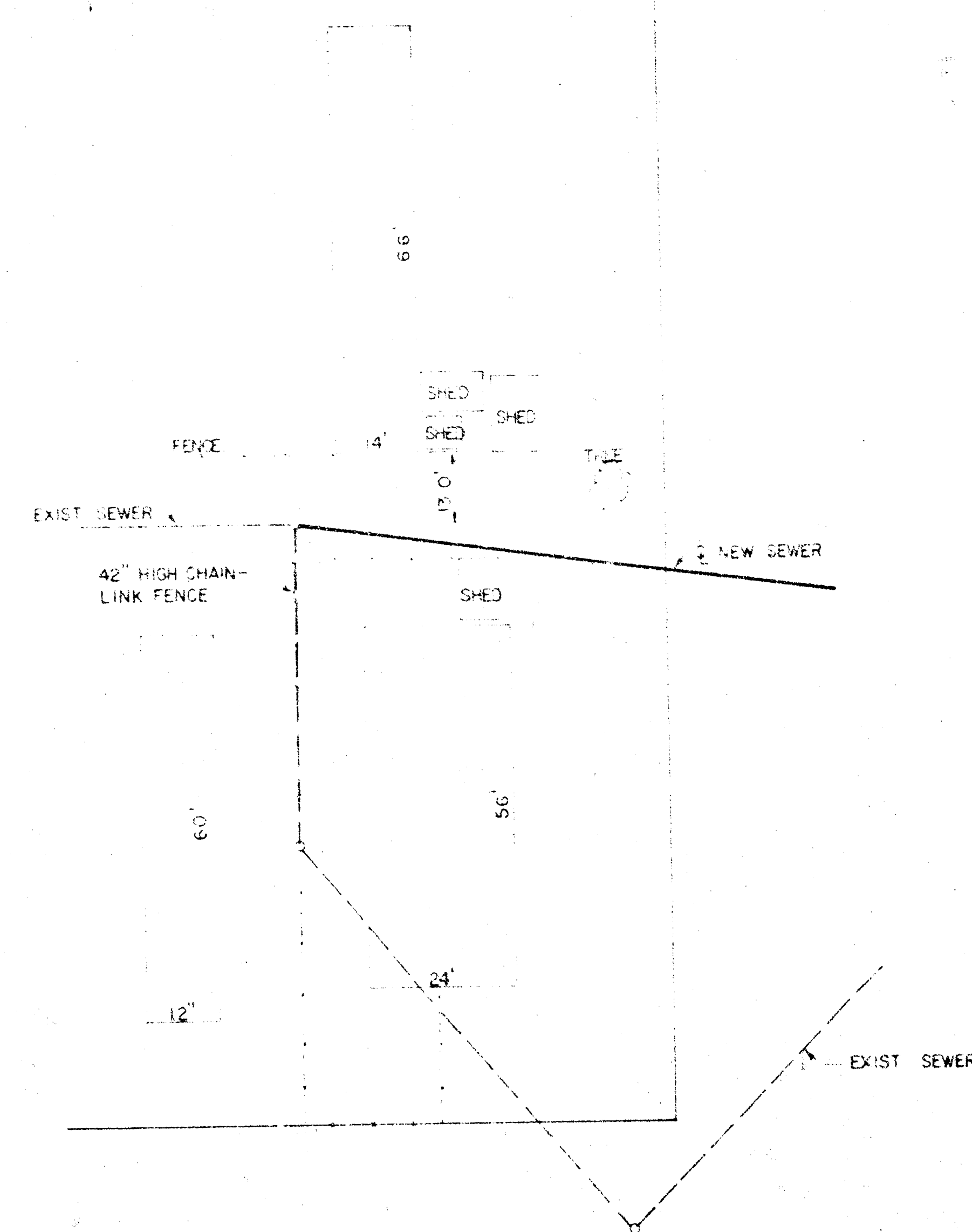
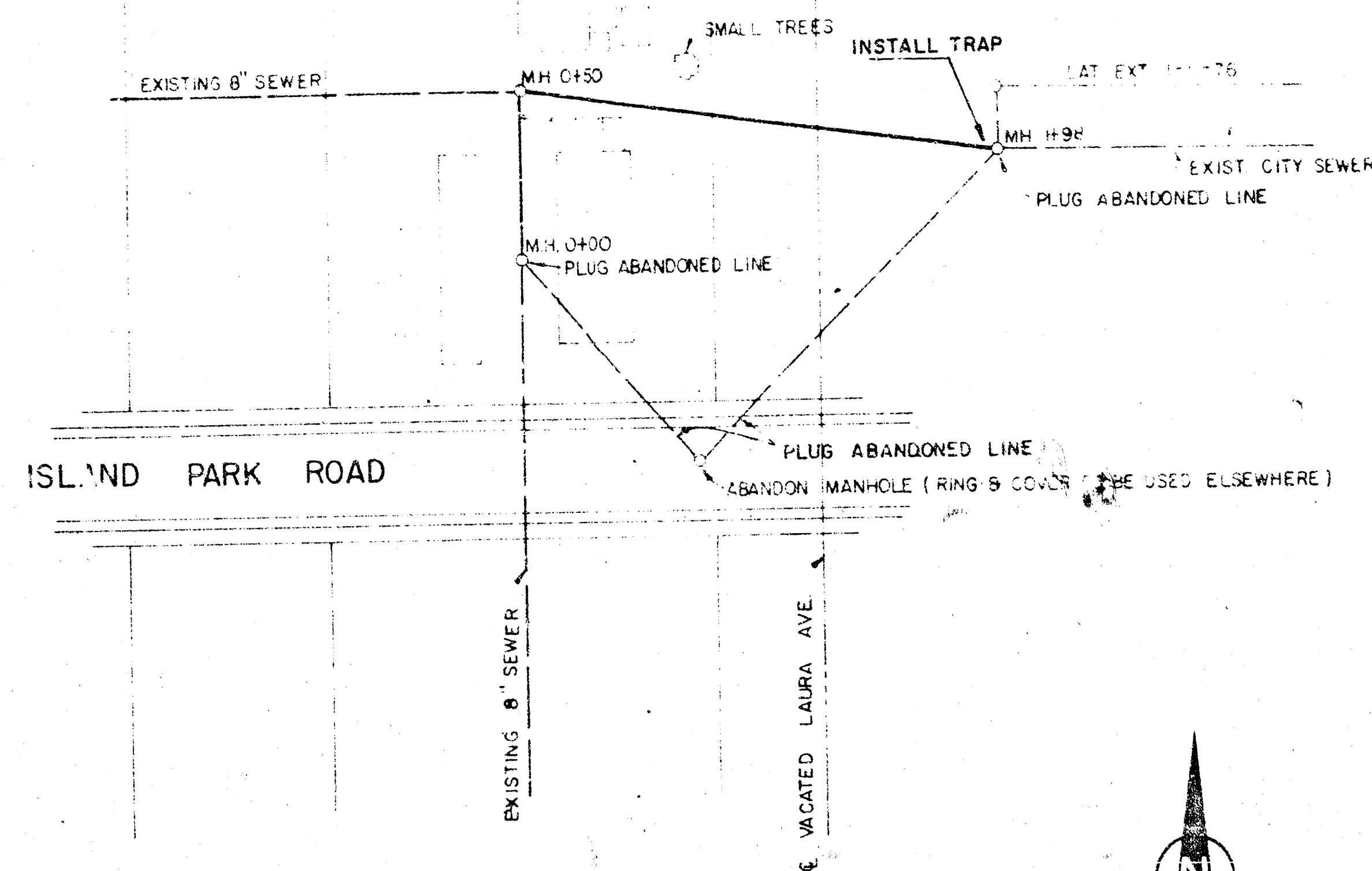


ALL 8" SANITARY SEWER LINE ON THIS PROJECT
SHALL BE ARMCO TRUSS PIPE
ALL MANHOLES SHALL BE 60" DIA. WITH
TYPE 100 PIPE

LEGEND

PROPOSED SANITARY SEWER	—————
MANHOLE	●
SERVICE LINE	-----
SERVICE CONNECTION	- - - - -
EXIST. SANITARY SEWER	-----

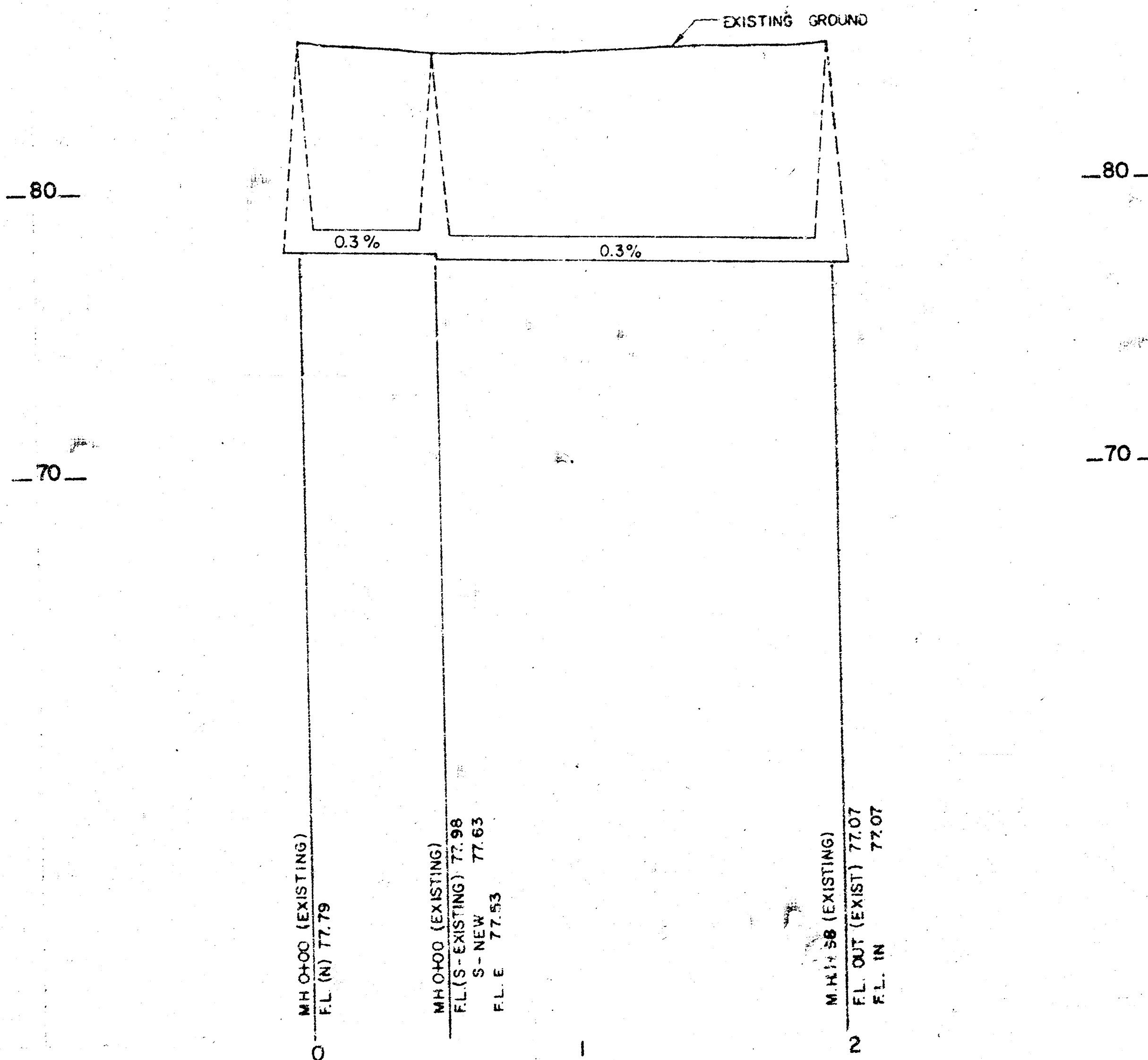




OBSTRUCTIONS
SCALE 1"=20'

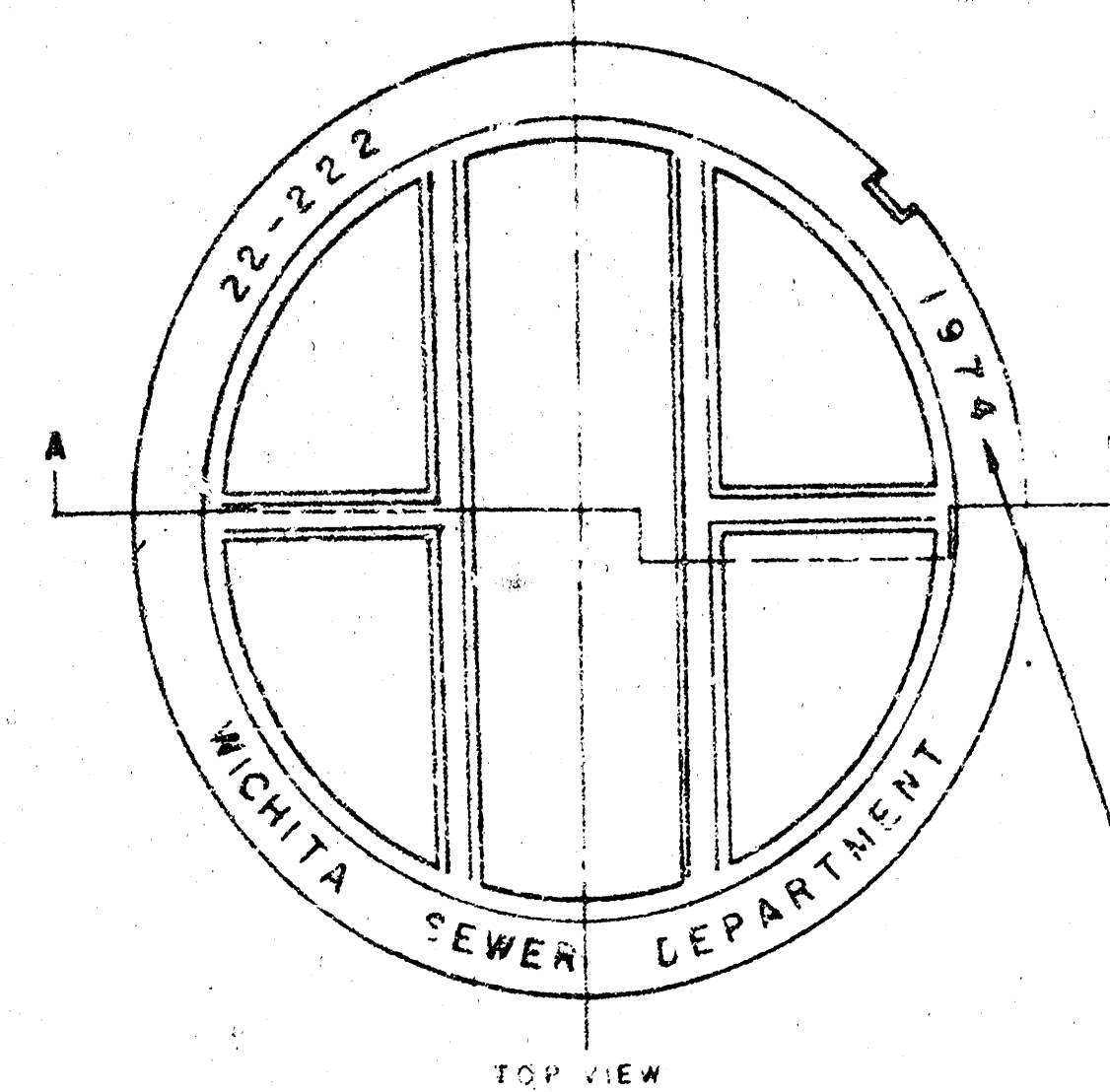
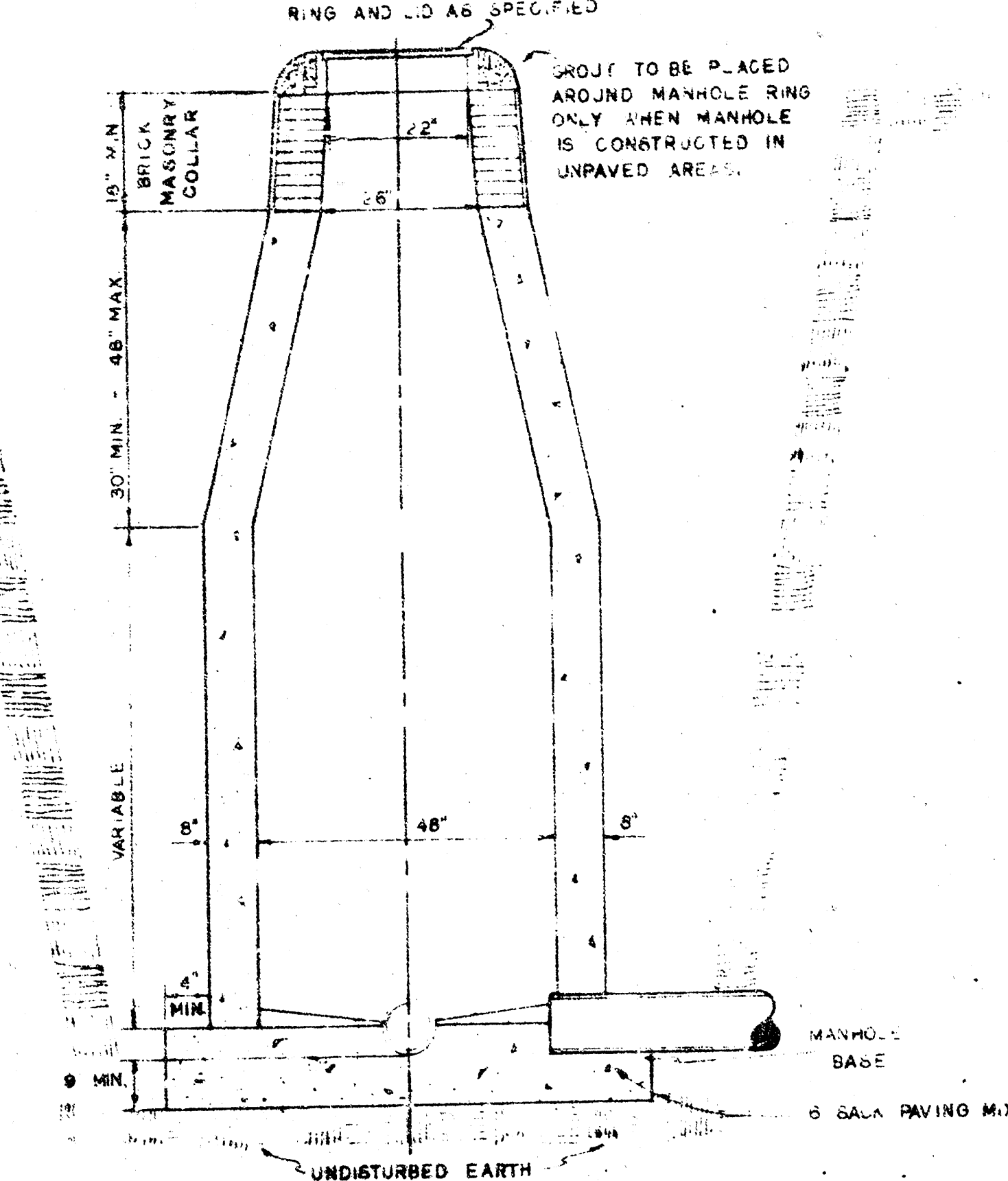
NOTE:
CHAIN-LINK FENCE AND SHED TO BE REMOVED
FOR SEWER CONSTRUCTION AND REPLACED
FOLLOWING COMPLETION.

MAIN 1 EXTENSION
ALL PIPE IS 8"



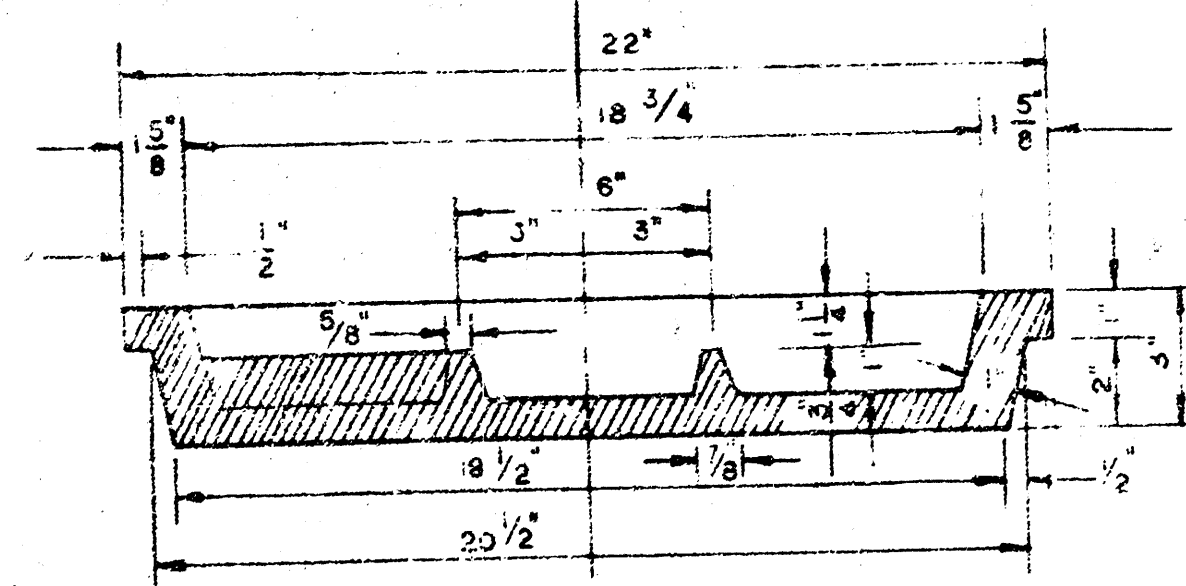
REISS & GOODNESS ENGINEERS
2100 WEST 21ST AVENUE
WICHITA, KANSAS 67204
(913) 822-0200

STANDARD MANHOLE, TYPE "C"



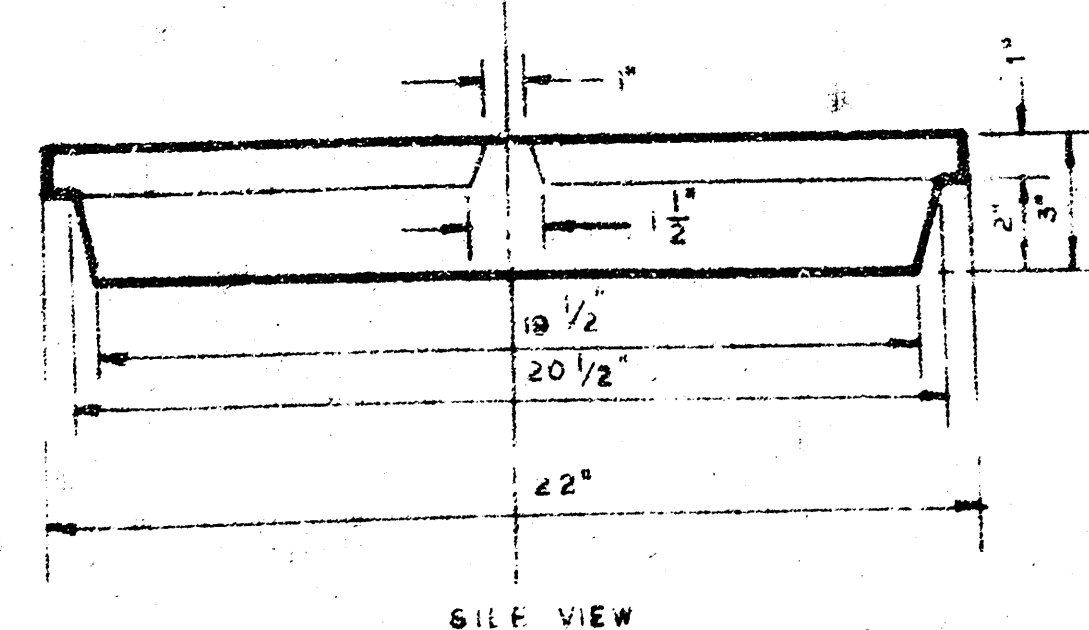
MANHOLE COVER

WEIGHT 110 LBS.



SECTION A-A

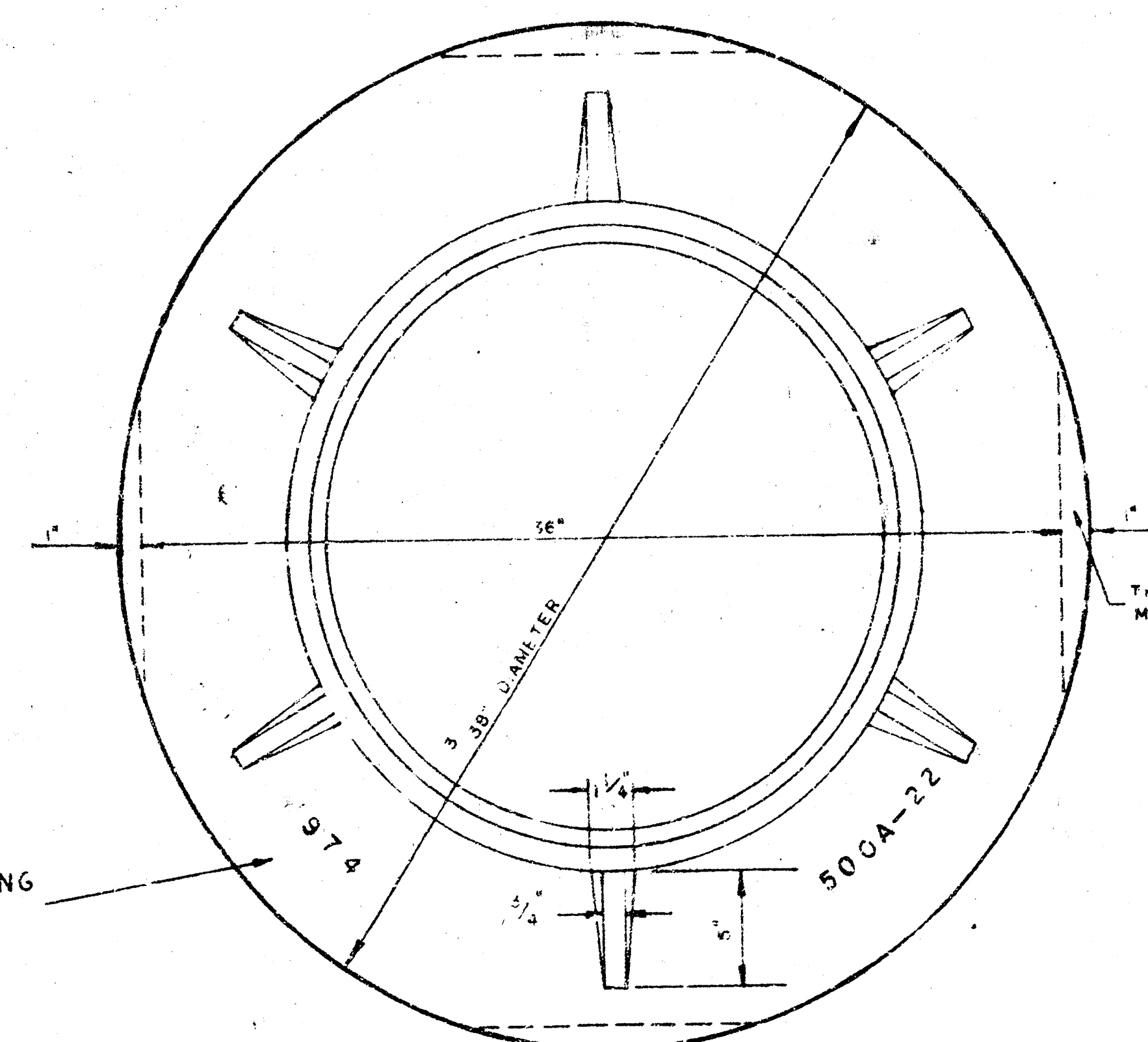
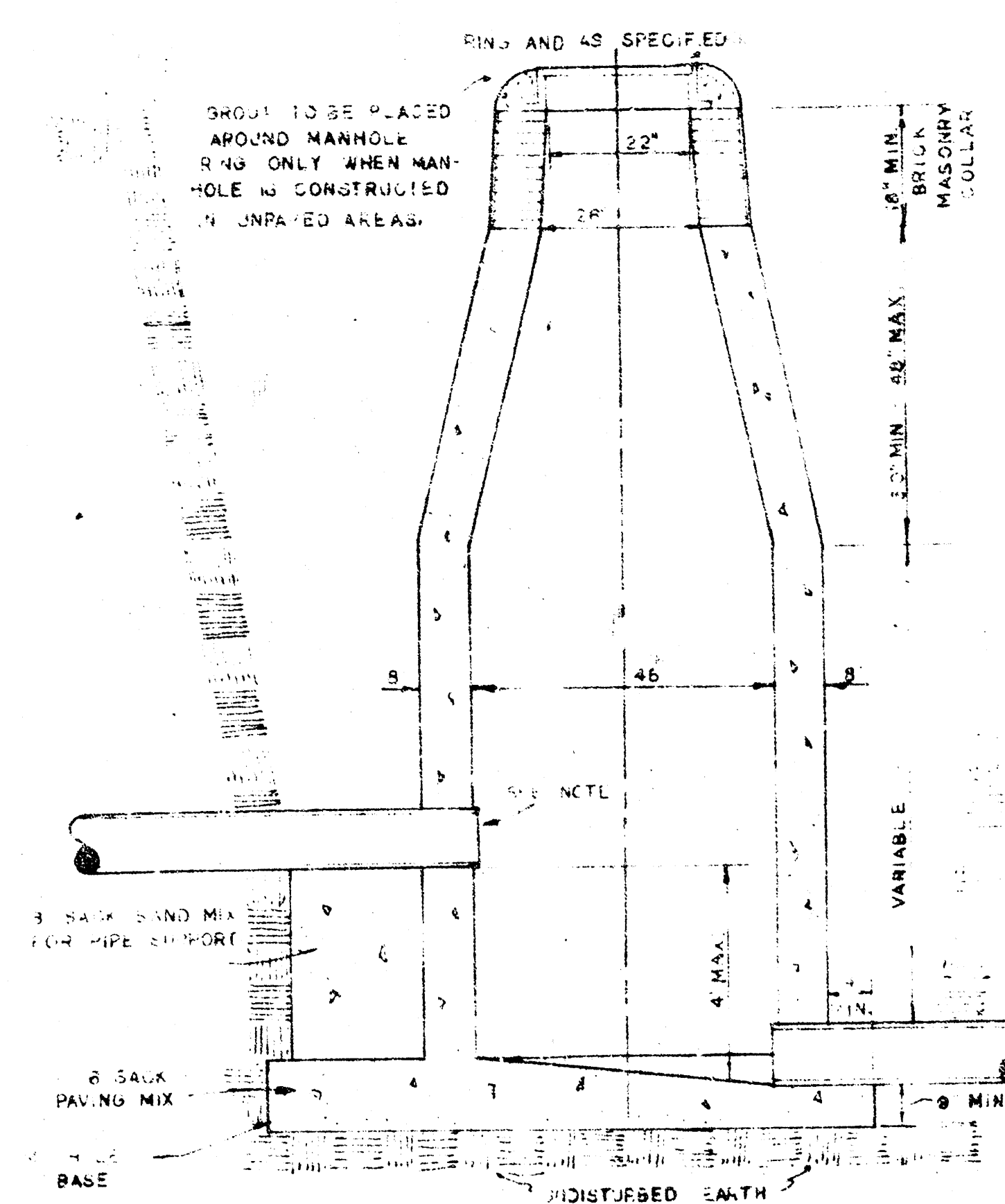
MANHOLE COVER



SIDE VIEW

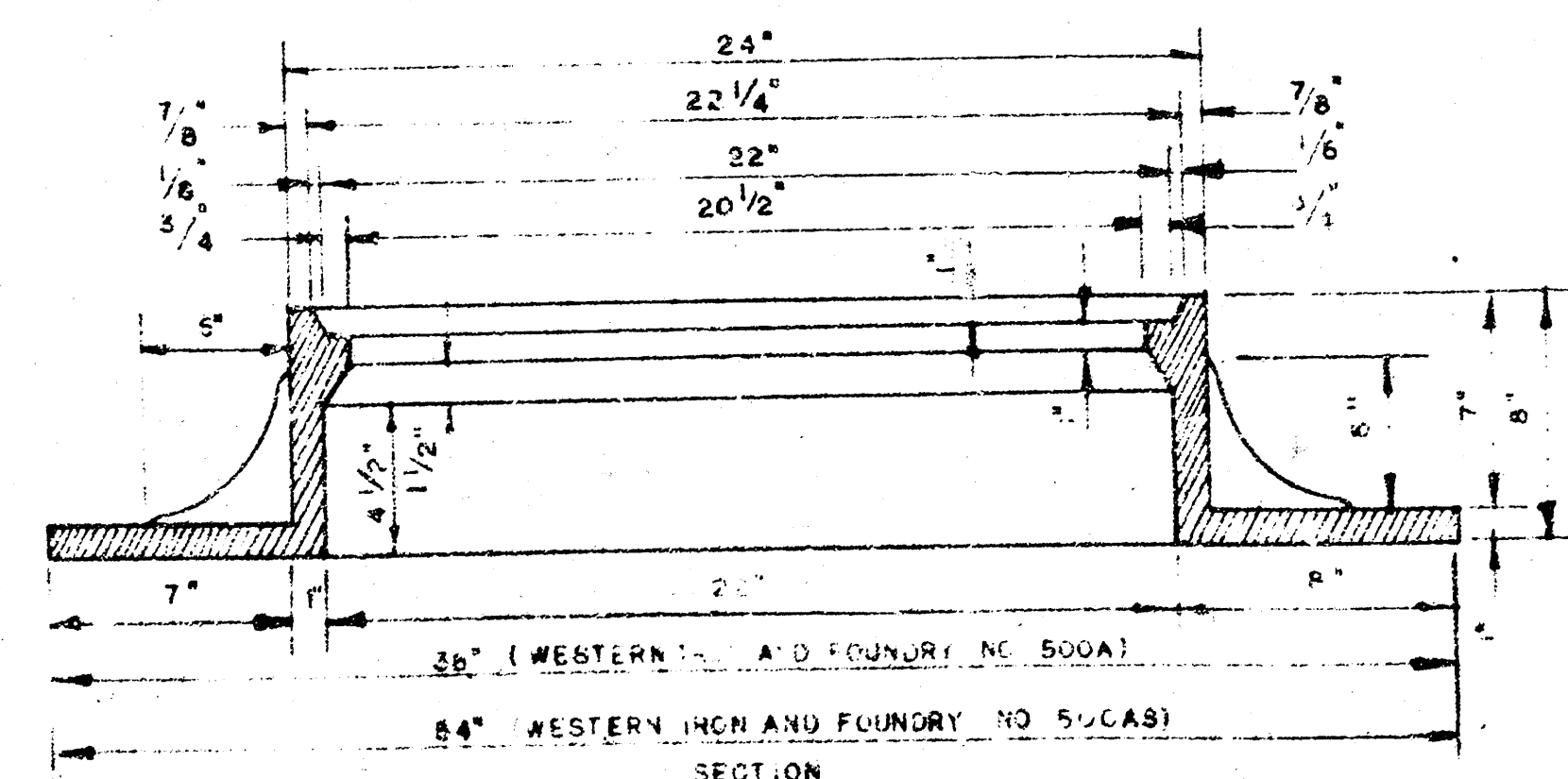
MANHOLE COVER

DROP MANHOLE, TYPE "C"



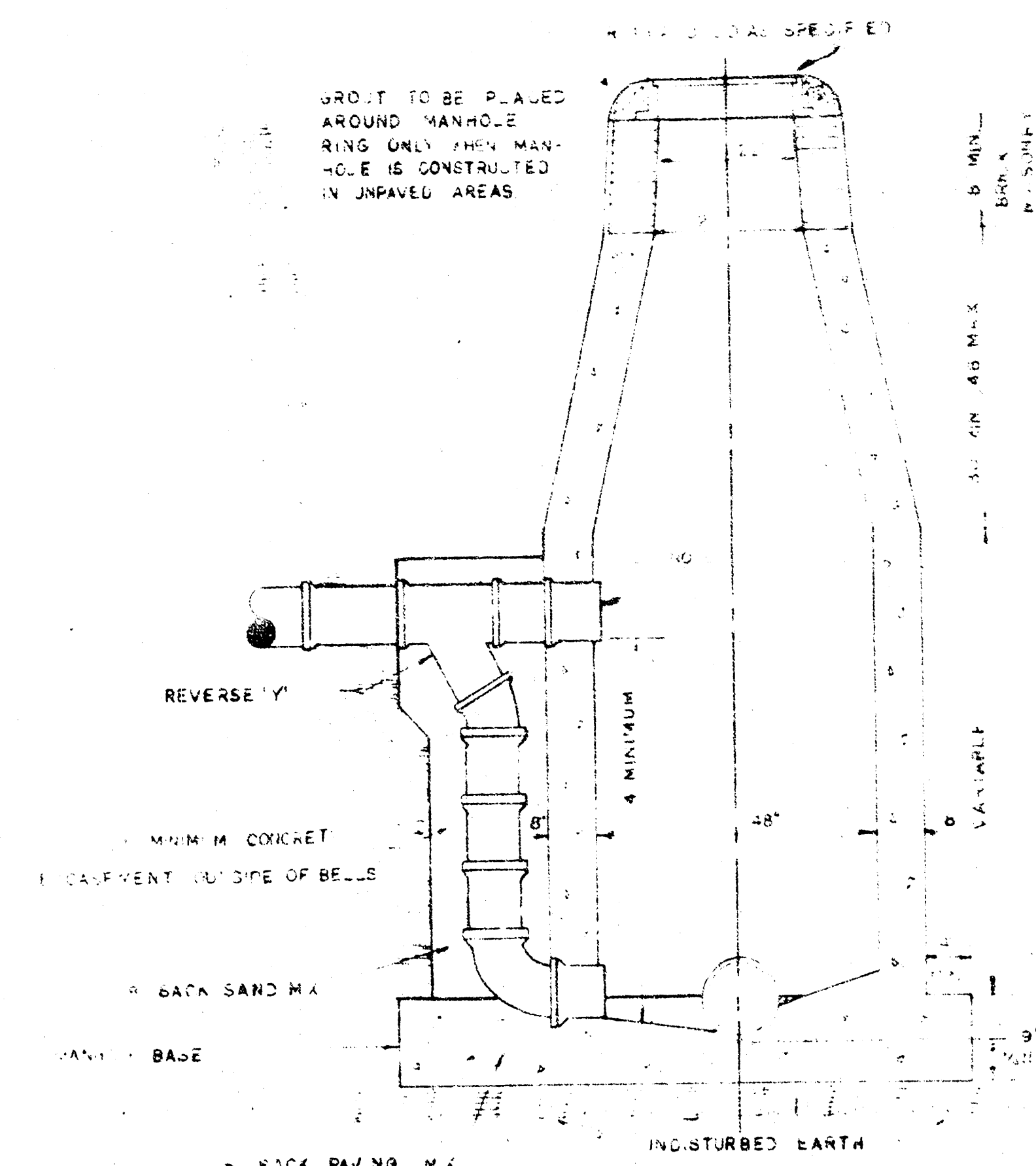
MANHOLE RING

WEIGHT 225 LBS. RING NO. 500A
WEIGHT 800 LBS. RING NO. 500AS

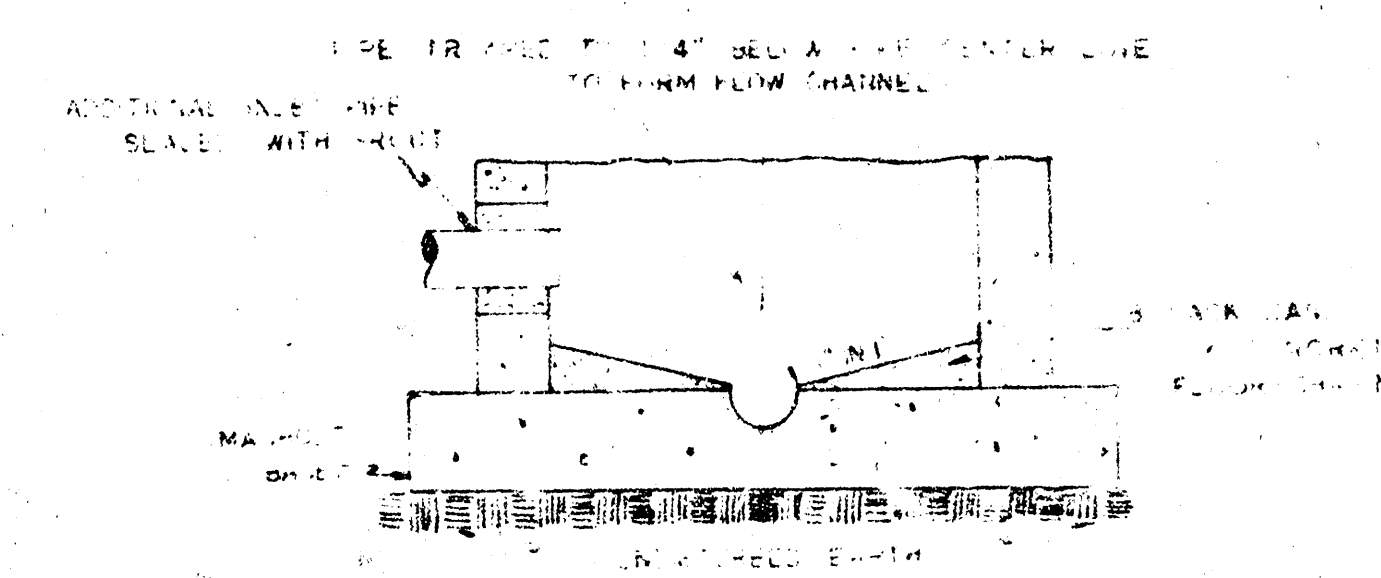


MANHOLE RING

OUTSIDE DROP MANHOLE, TYPE "C"



NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE THE BOTTOM. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.



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 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.

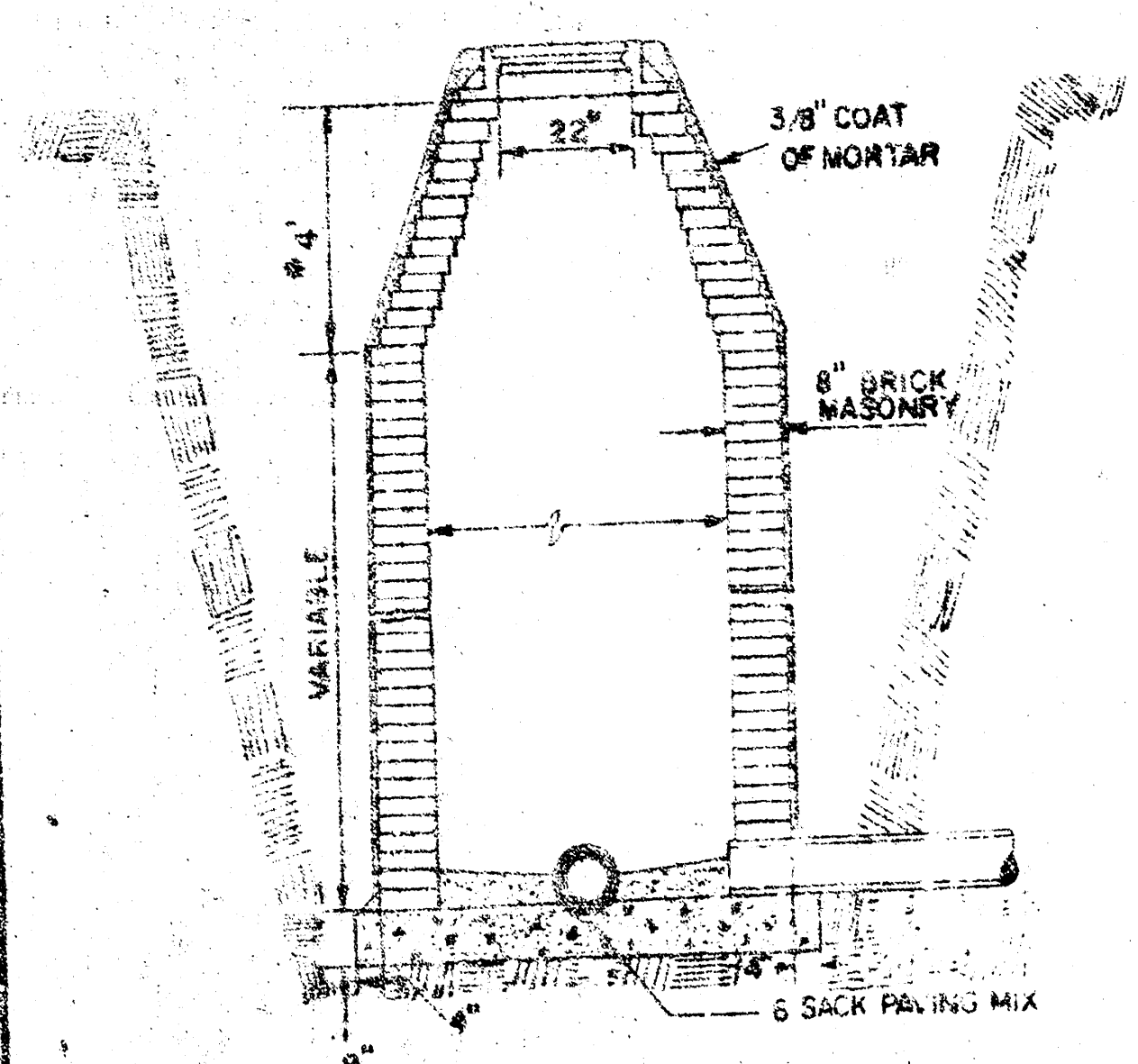
CAST IN PLACE CIRCULAR CONCRETE MANHOLES ARE TO BE CONSTRUCTED ONLY ON SEWERS NOT SUBJECT TO DETEIORATION OF CONCRETE DUE TO FORMATION OF HYDROGEN SULFIDE GAS AND IN LOCATIONS WHERE IT IS OBVIOUS THAT ANY ADJUSTMENT OF THE MANHOLE TOP ELEVATION WHICH MAY BE NECESSARY WILL NOT REQUIRE MODIFICATION OF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

PIPES INSTALLED WITHIN THE MANHOLE EXCAVATION SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. COST OF CRADLE WITHIN MANHOLE EXCAVATION SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.

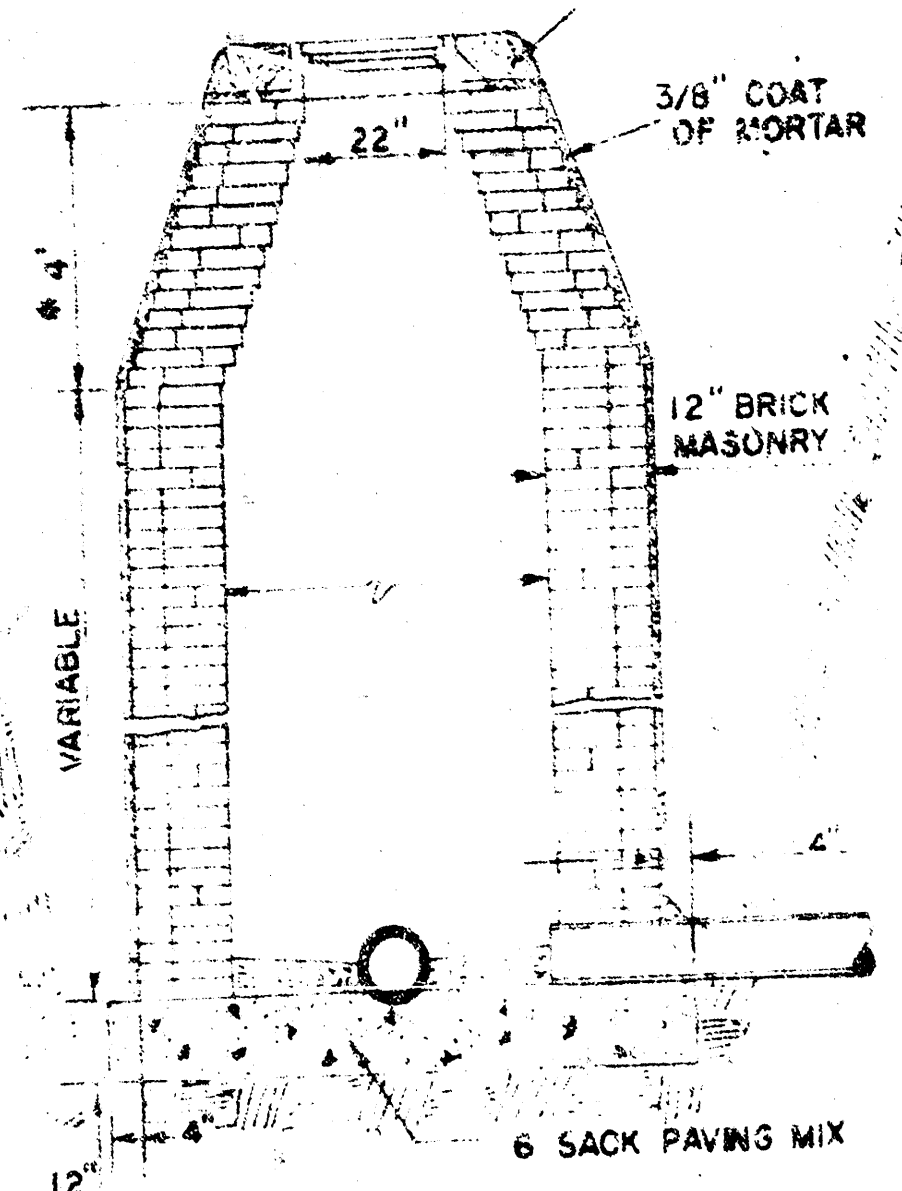
REVISED 4-13-77

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1974

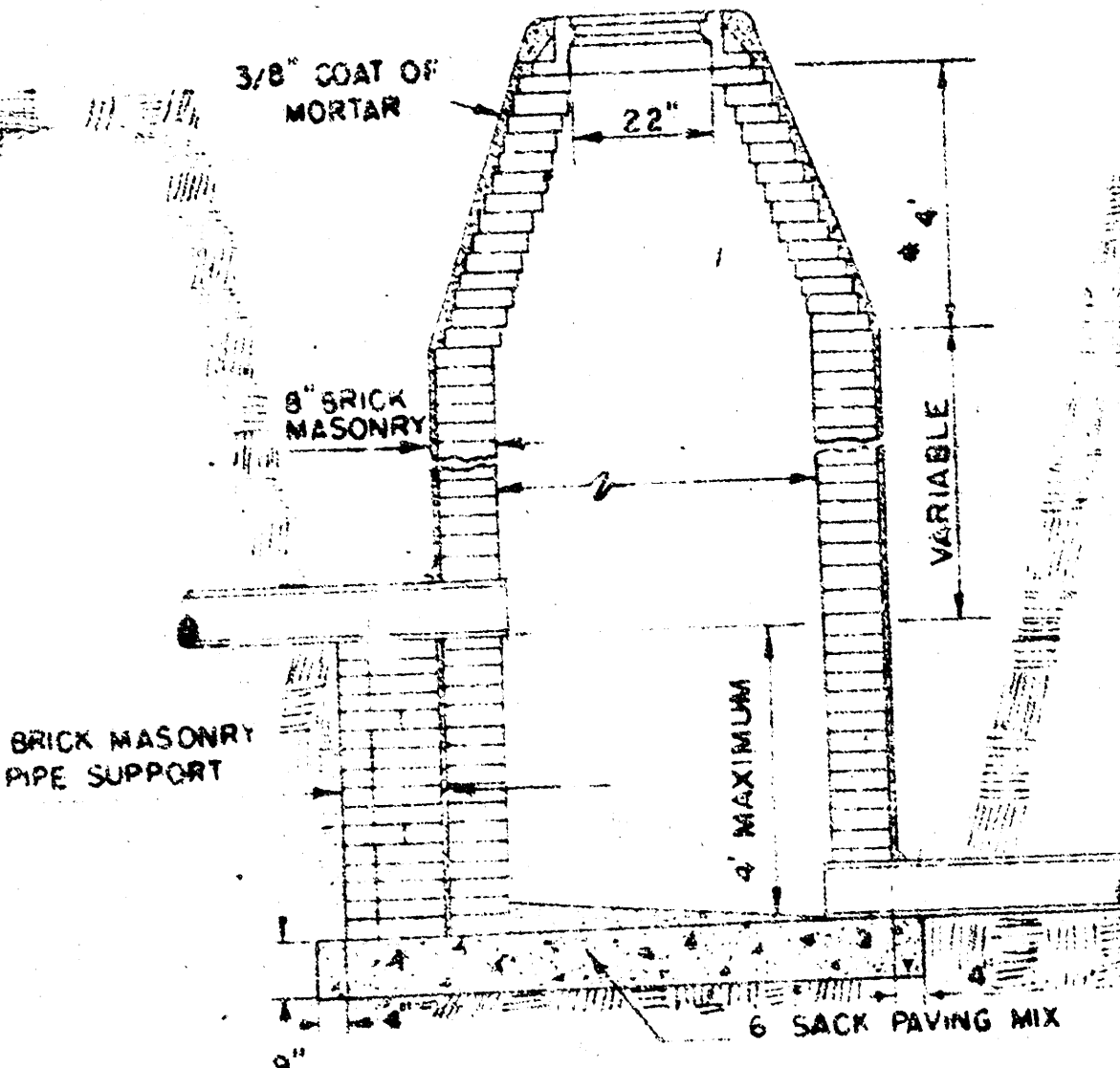
GROUT TO BE PLACED AROUND MANHOLE RING ONLY WHEN MANHOLE IS CONSTRUCTED IN UNPAVED AREAS. (TYPICAL ALL MANHOLES)



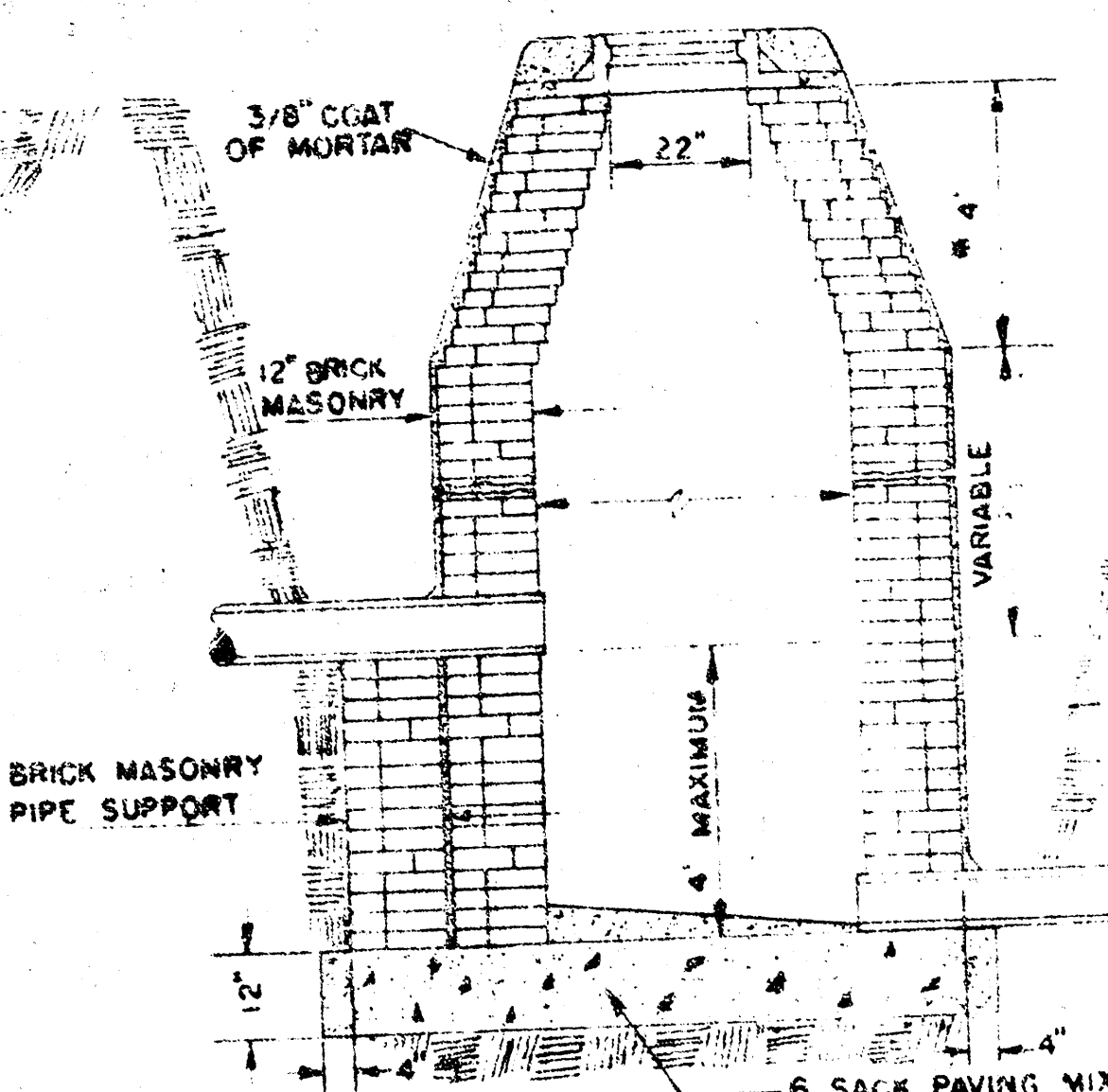
STANDARD MANHOLE TYPE "A"



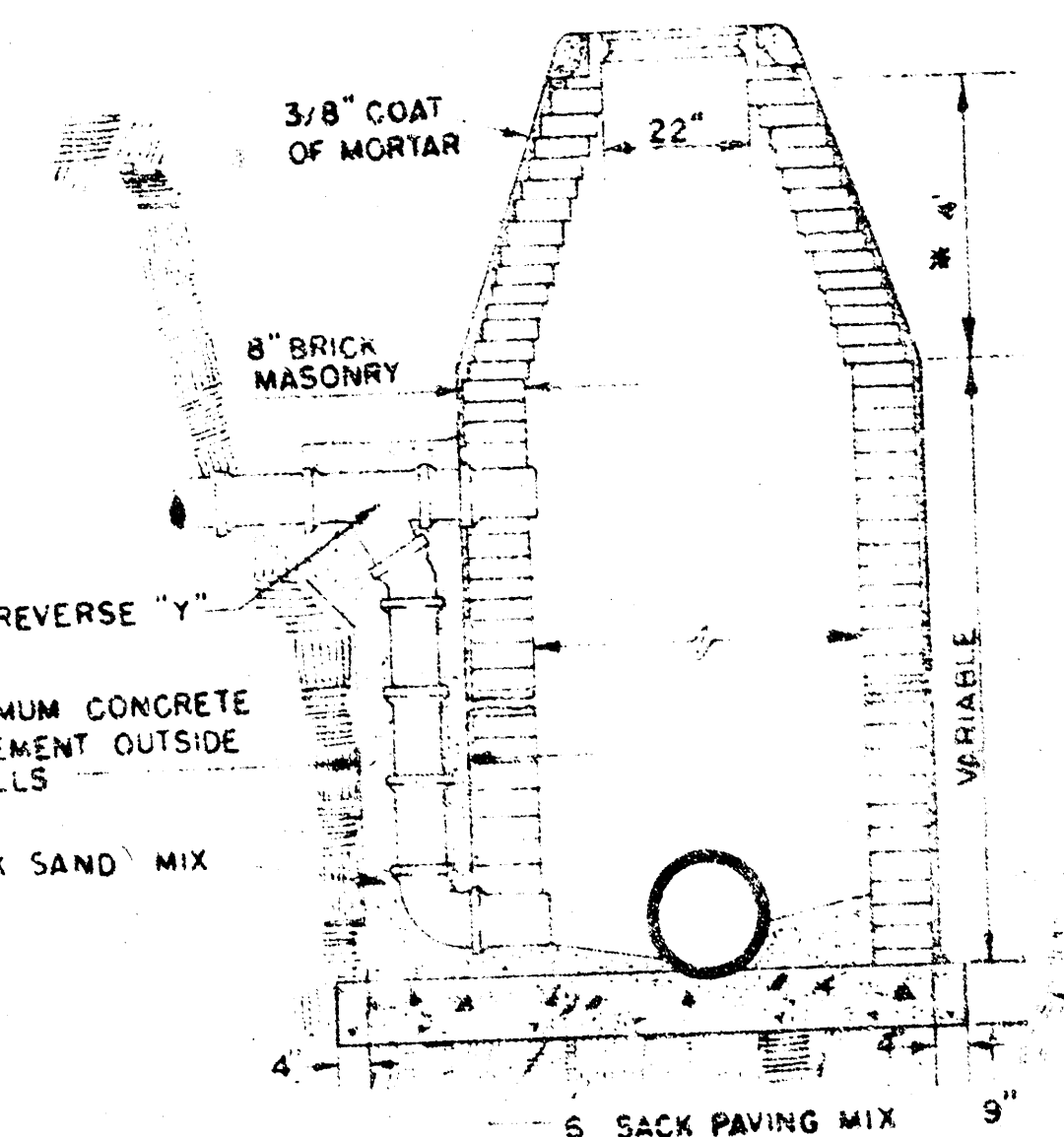
STANDARD MANHOLE TYPE "B"



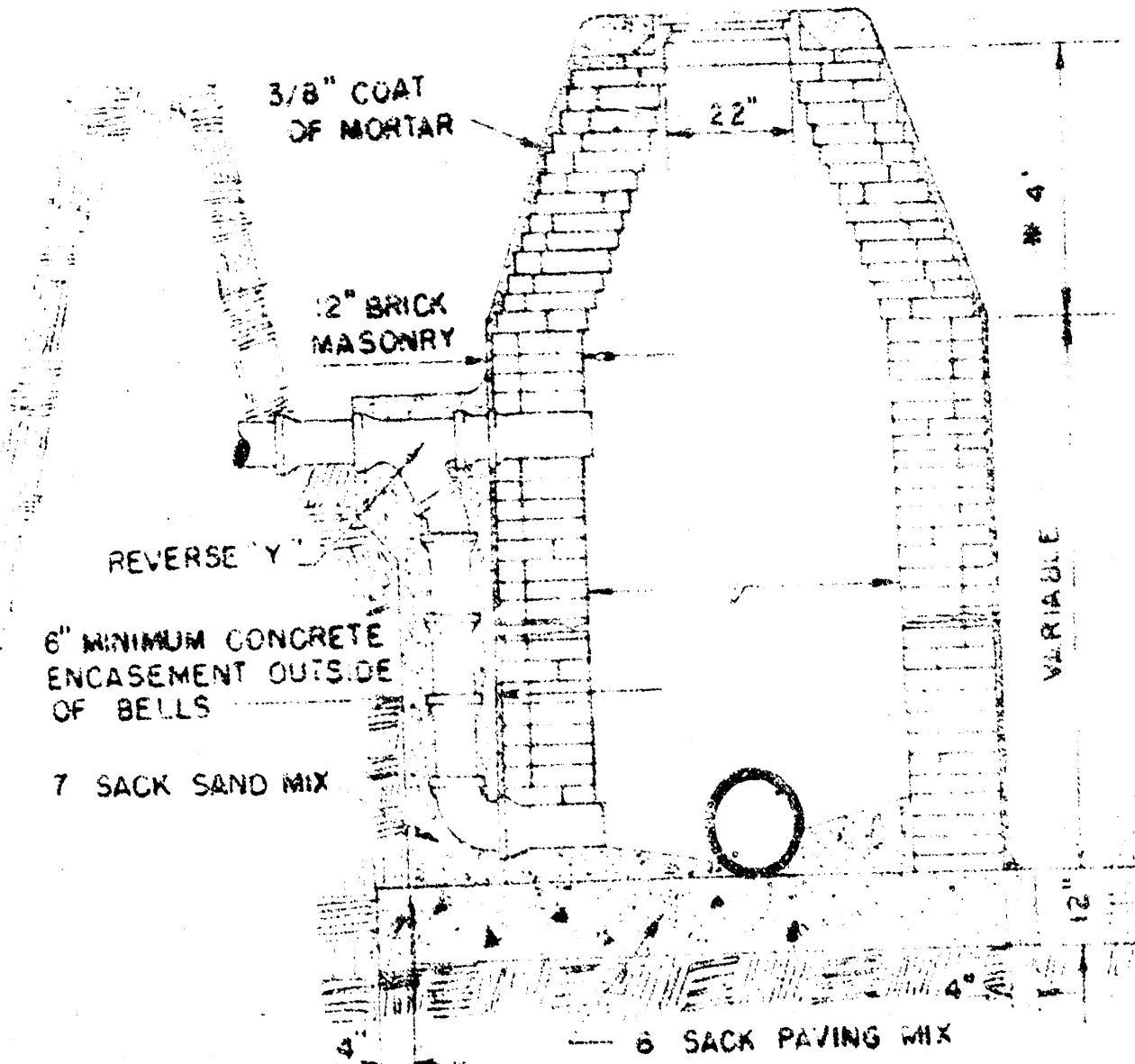
DROP MANHOLE TYPE "A"



DROP MANHOLE TYPE "B"



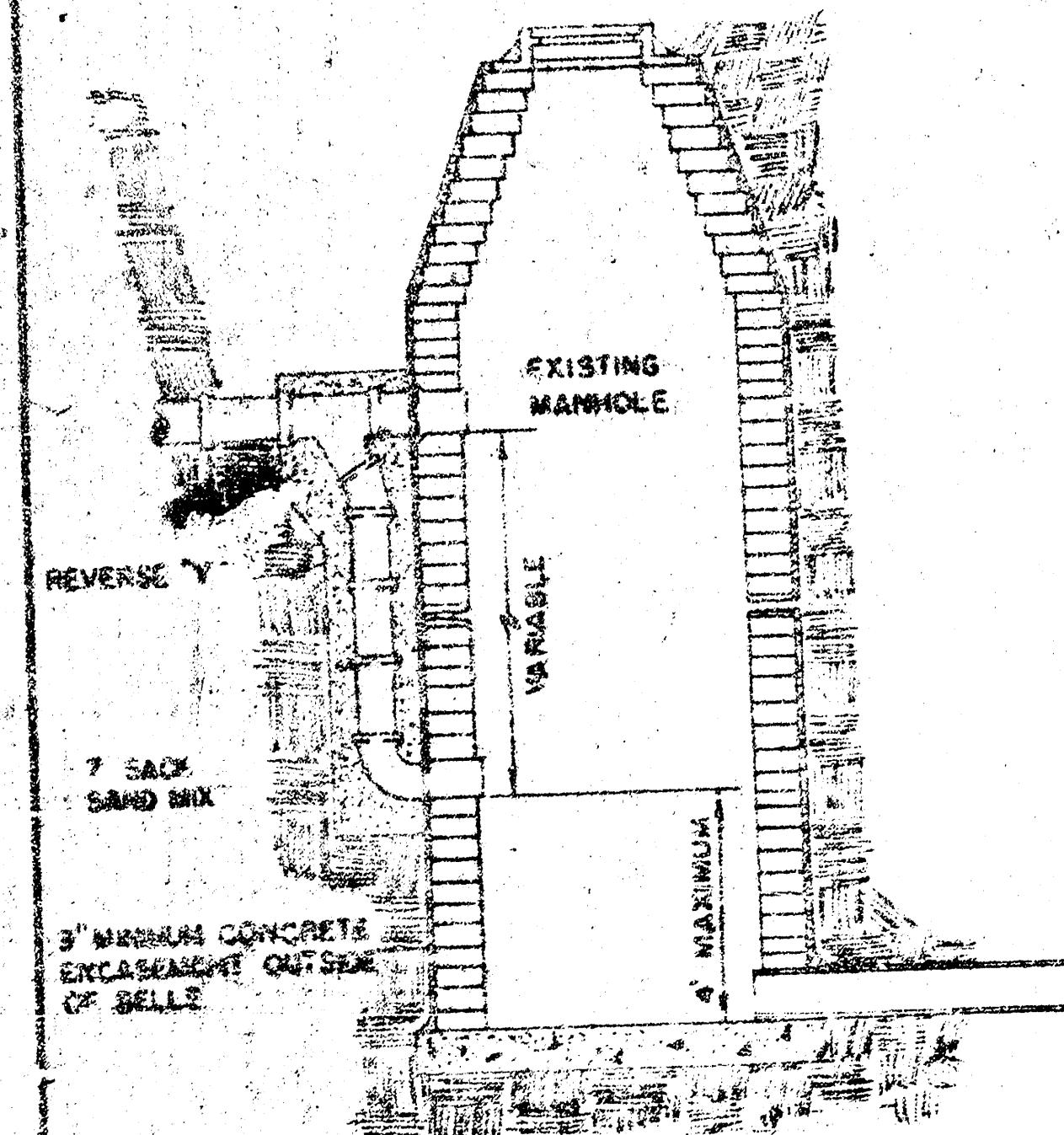
OUTSIDE DROP MANHOLE TYPE "A"



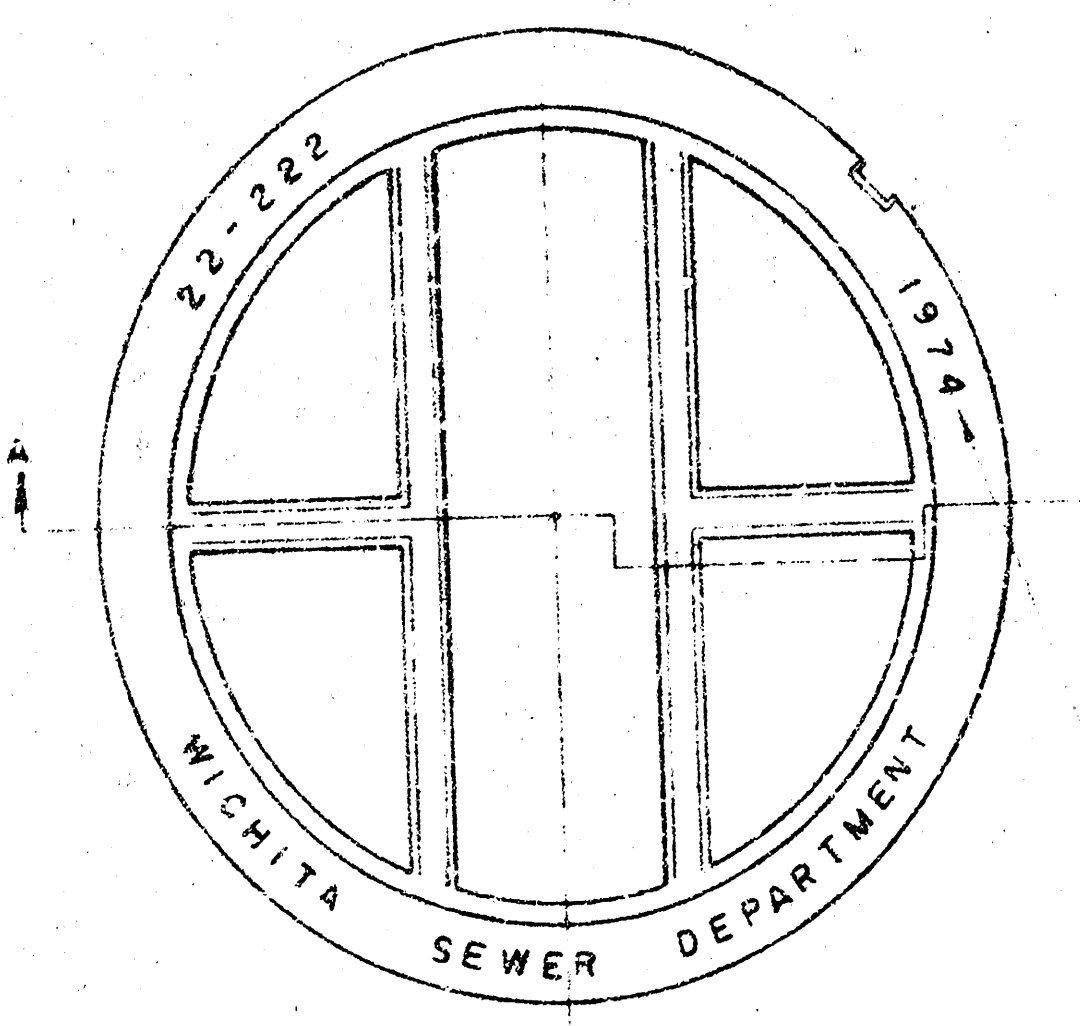
OUTSIDE DROP MANHOLE TYPE "B"

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

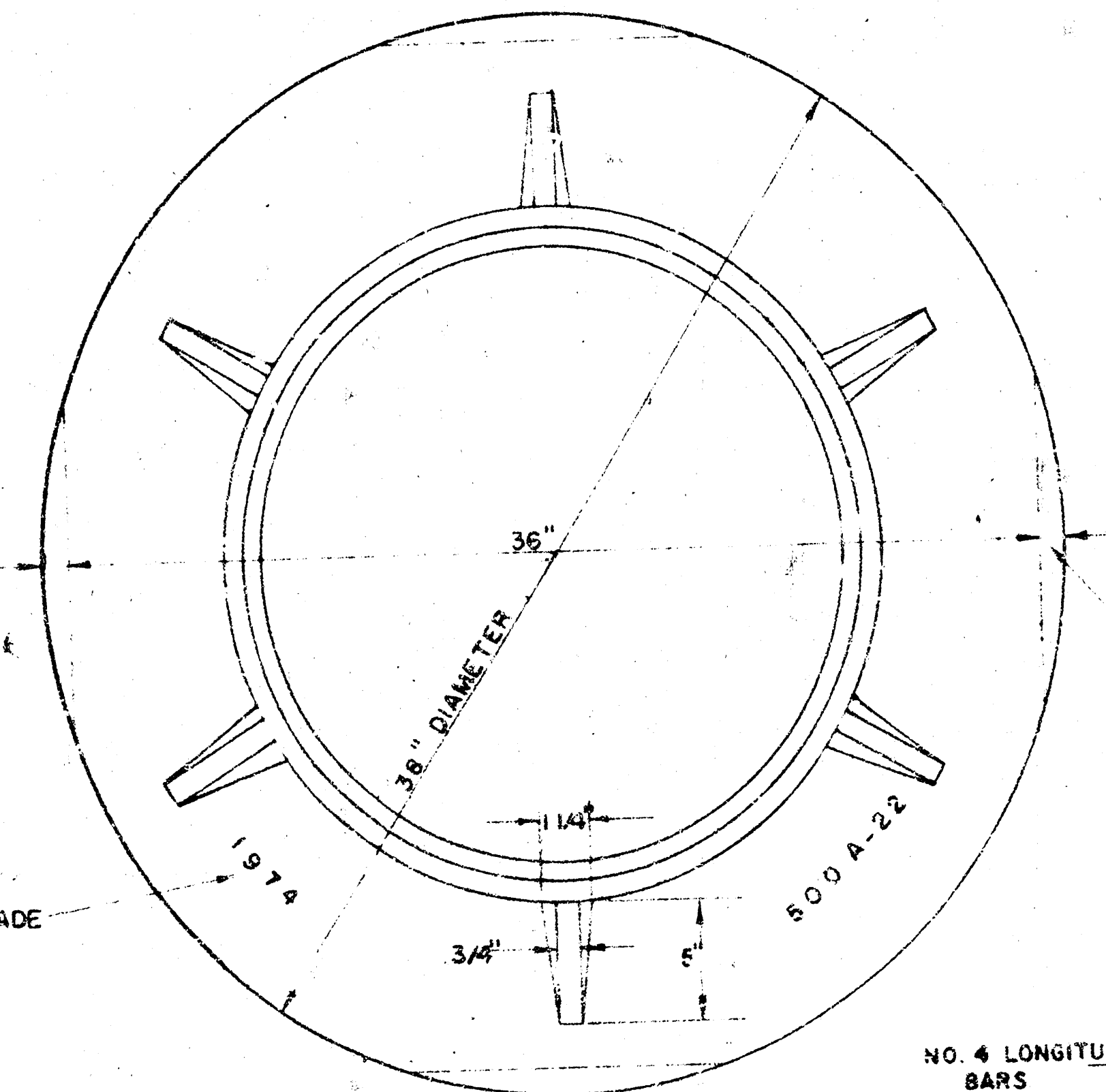
NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE THE BOTTOM. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.



DETAIL OF DROP STACK FOR EXISTING MANHOLES IN GROUND WATER

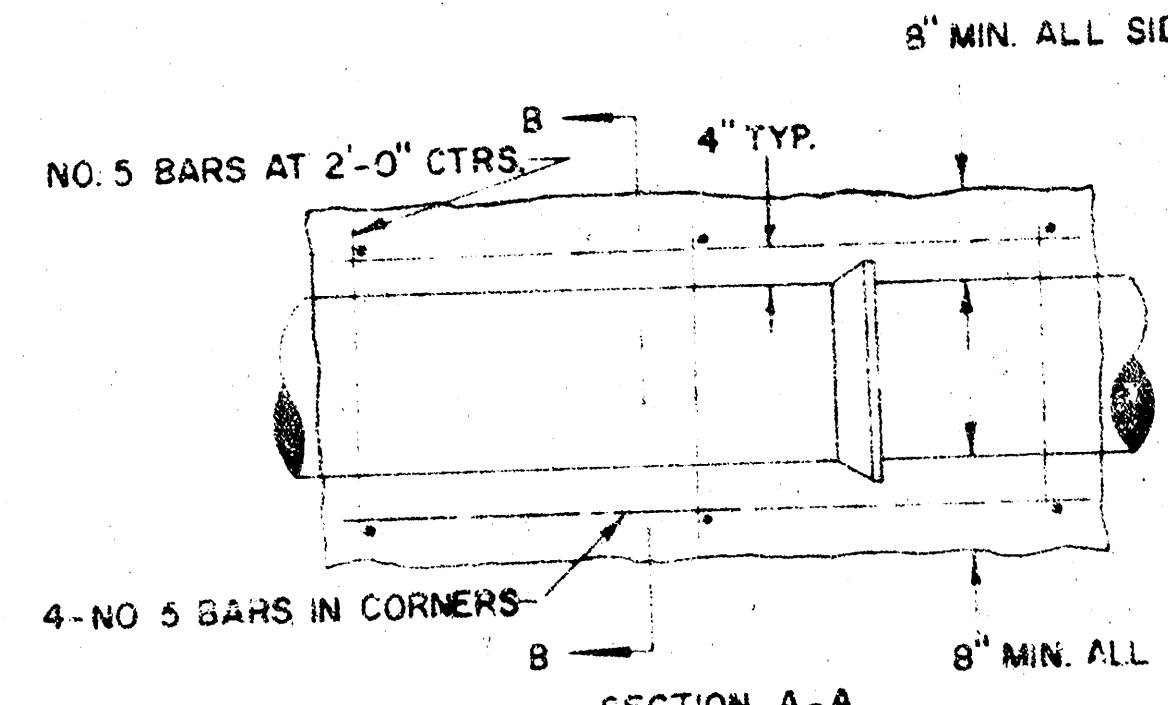


MANHOLE COVER WEIGHT 110 LBS.



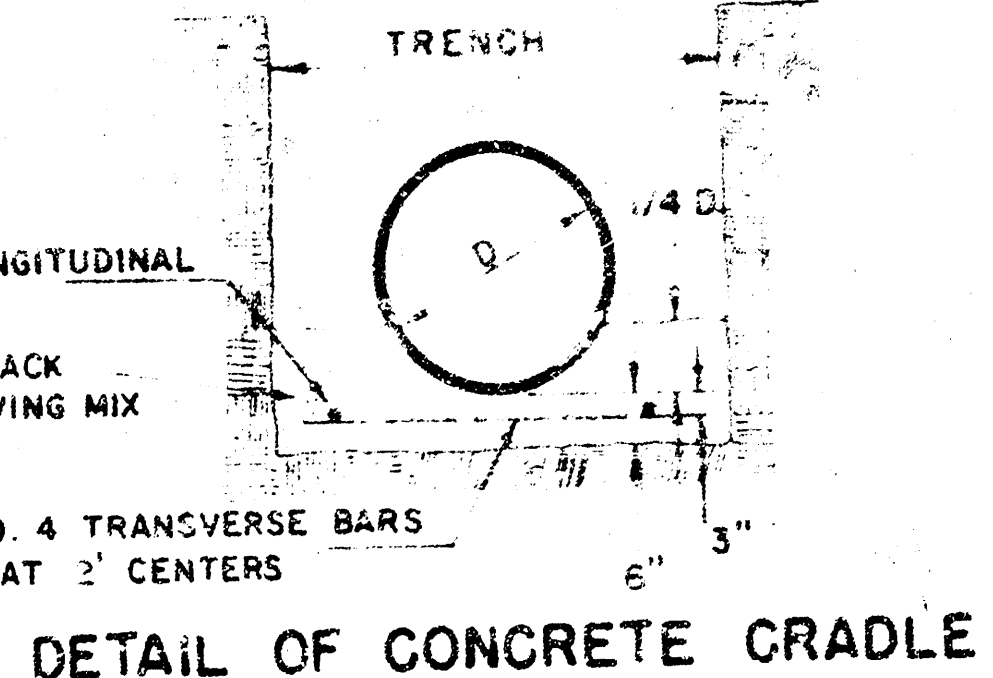
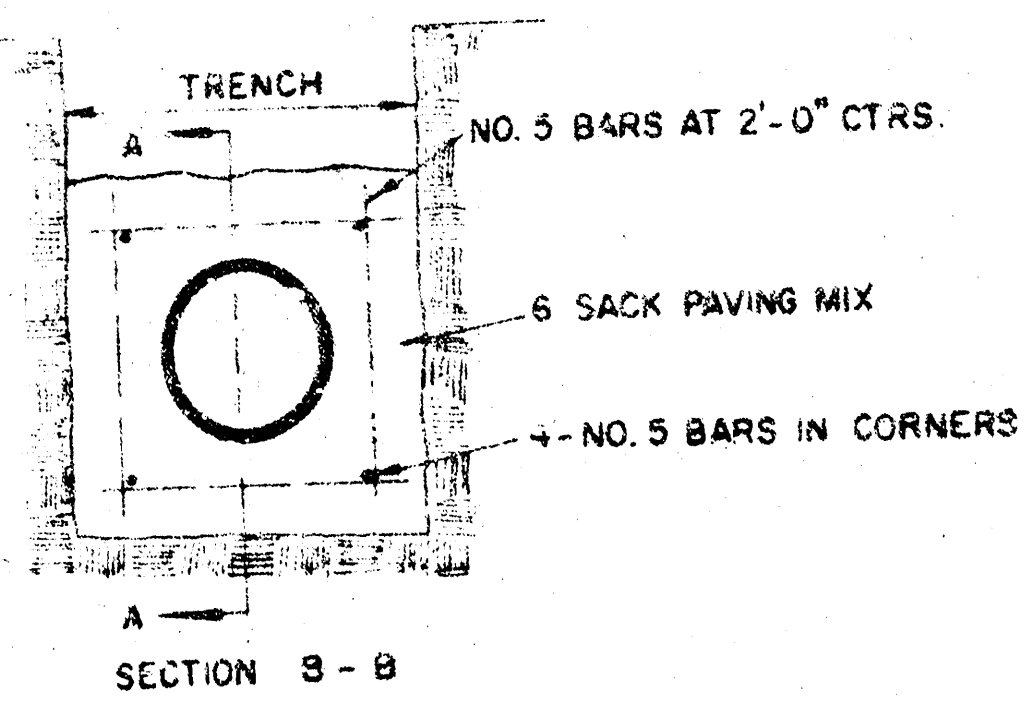
MANHOLE RING

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



REINFORCED CONCRETE ENCASEMENT

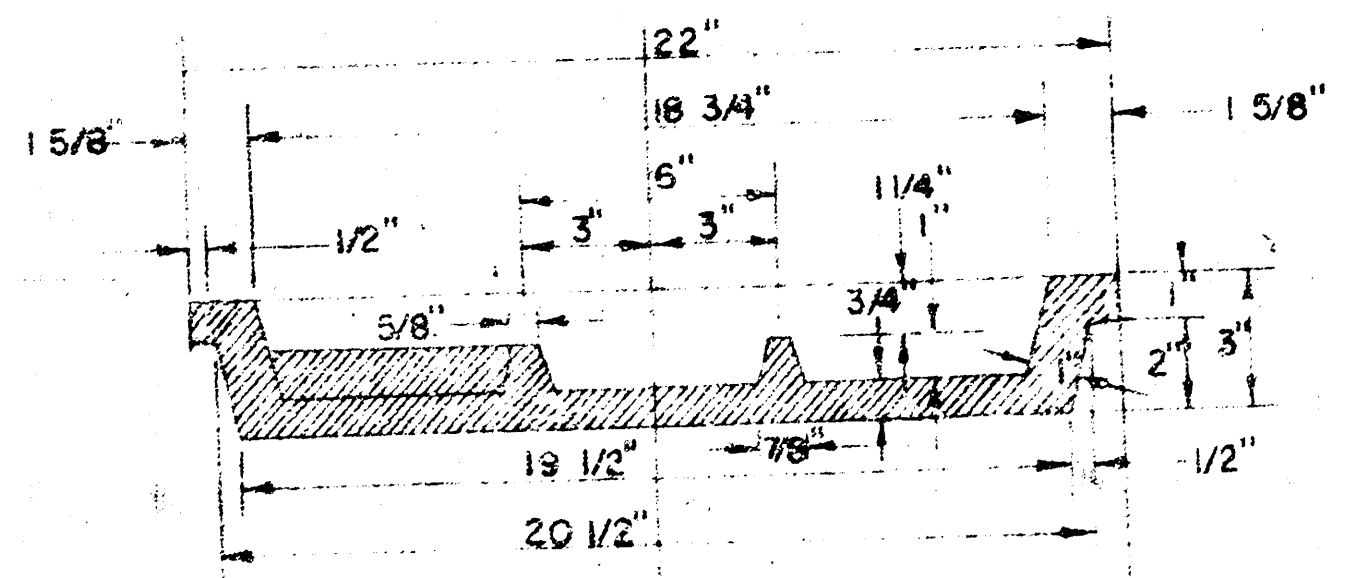
NOTE: CONCRETE ENCASEMENT AND CONCRETE CRADLE SHALL BEGIN AND END AT A JOINT WHEN CLAY PIPE IS USED.



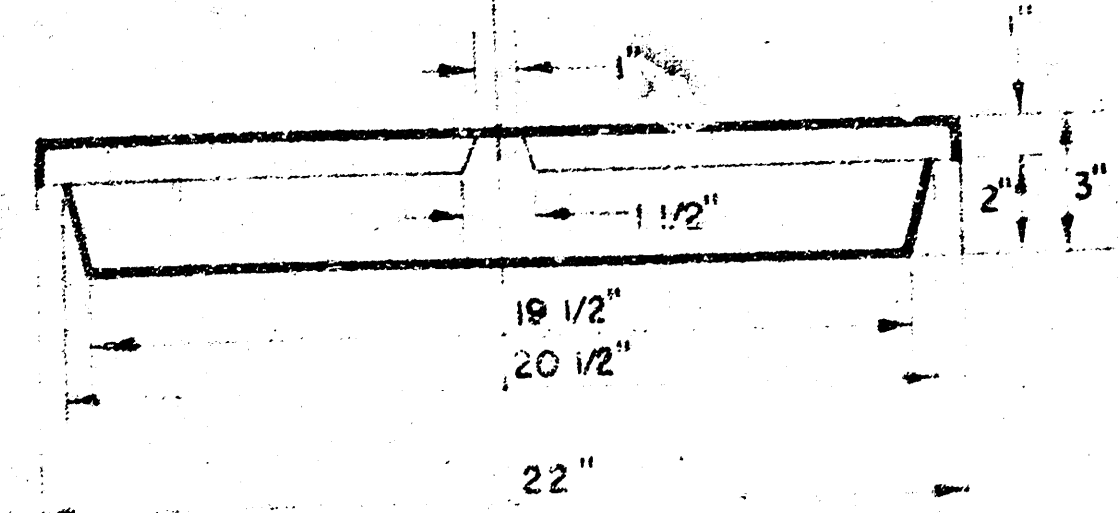
DETAIL OF CONCRETE CRADLE

GENERAL NOTES

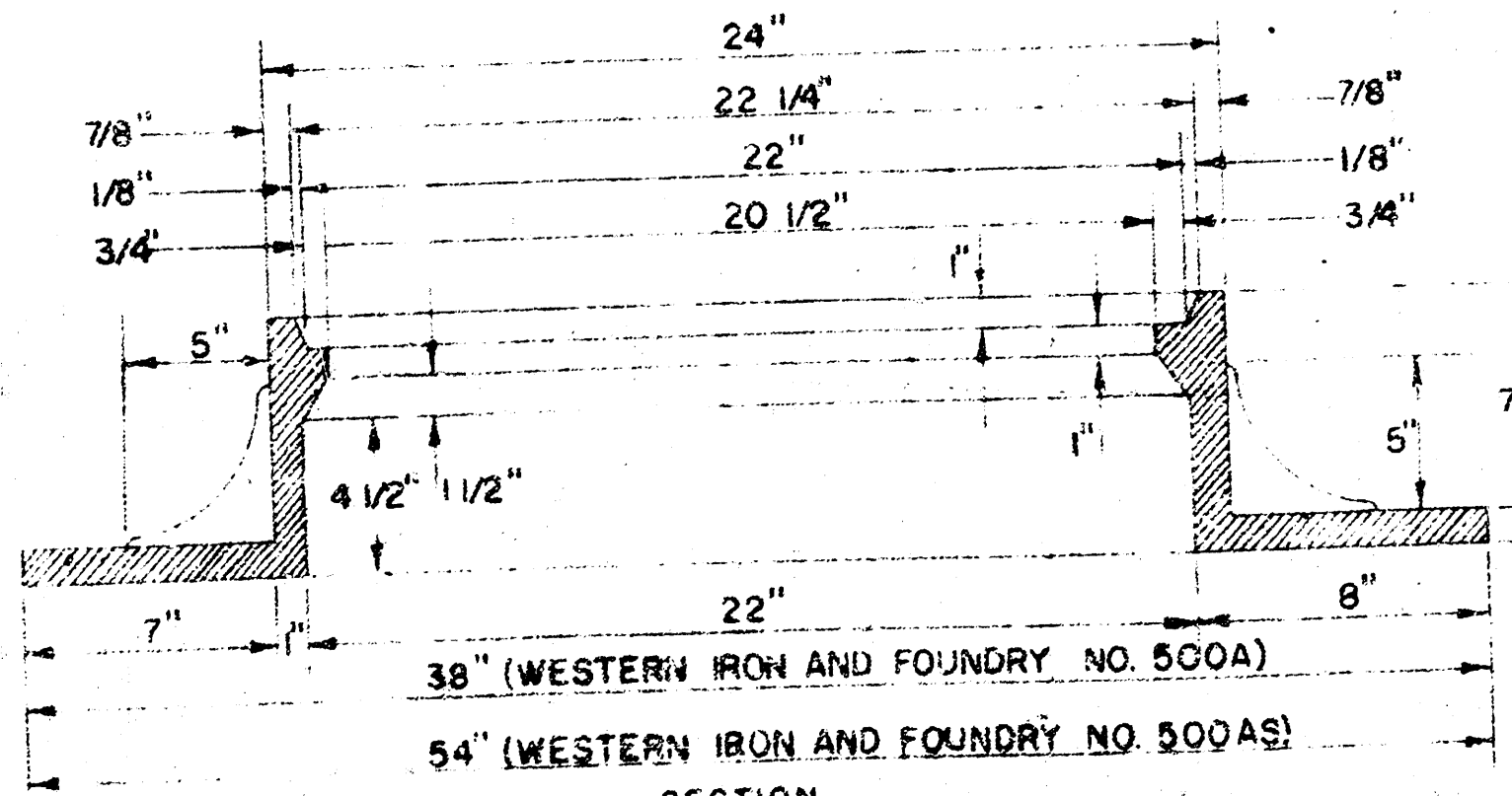
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE "A" OR TYPE "B" AND STANDARD DROP MANHOLES TYPE "A" OR TYPE "B" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED.
- OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED.
- 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 8 SACK SAND MIX CONCRETE.
- PIPES INSTALLED WITHIN THE MANHOLE EXCAVATION SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. COST OF CRADLE WITHIN MANHOLE EXCAVATION SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE. CRADLE SHALL EXTEND TO FIRST JOINT OUTSIDE OF MANHOLE WHEN CLAY PIPE IS USED.



MANHOLE COVER

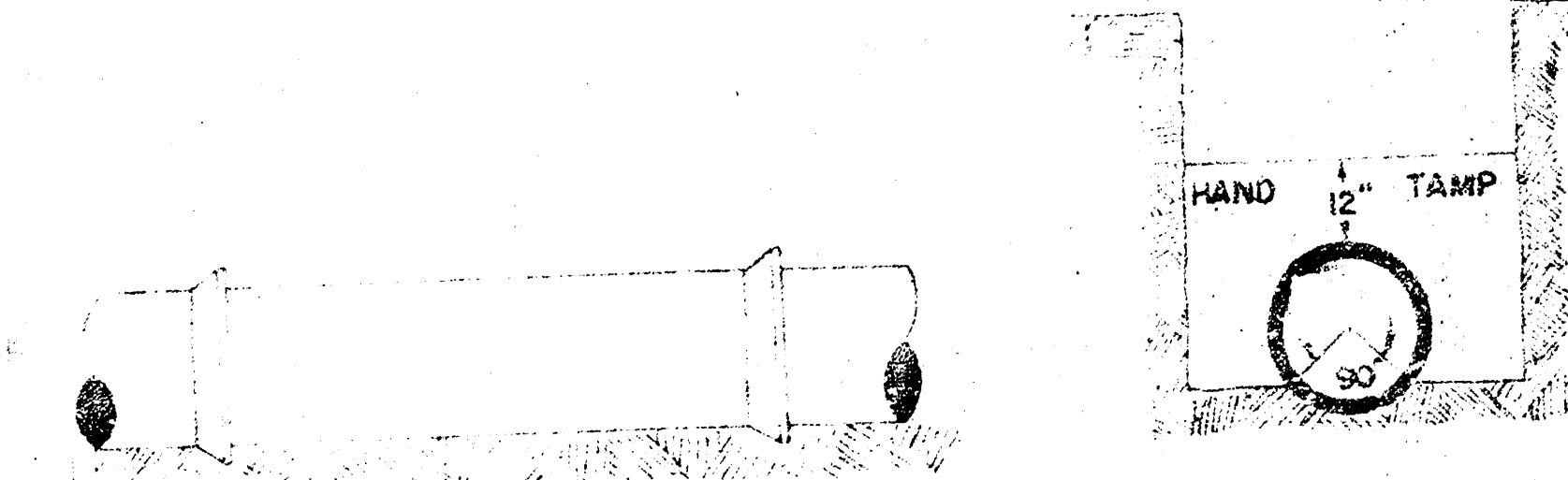


MANHOLE COVER



MANHOLE RING

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



ORDINARY BEDDING METHOD STORM SEWER PIPE

REVISED 4-13-77

DETAILS OF SEWER APPURTENANCES ADOPTED AS STANDARD DESIGN BY

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

9/9

14 8 5 11