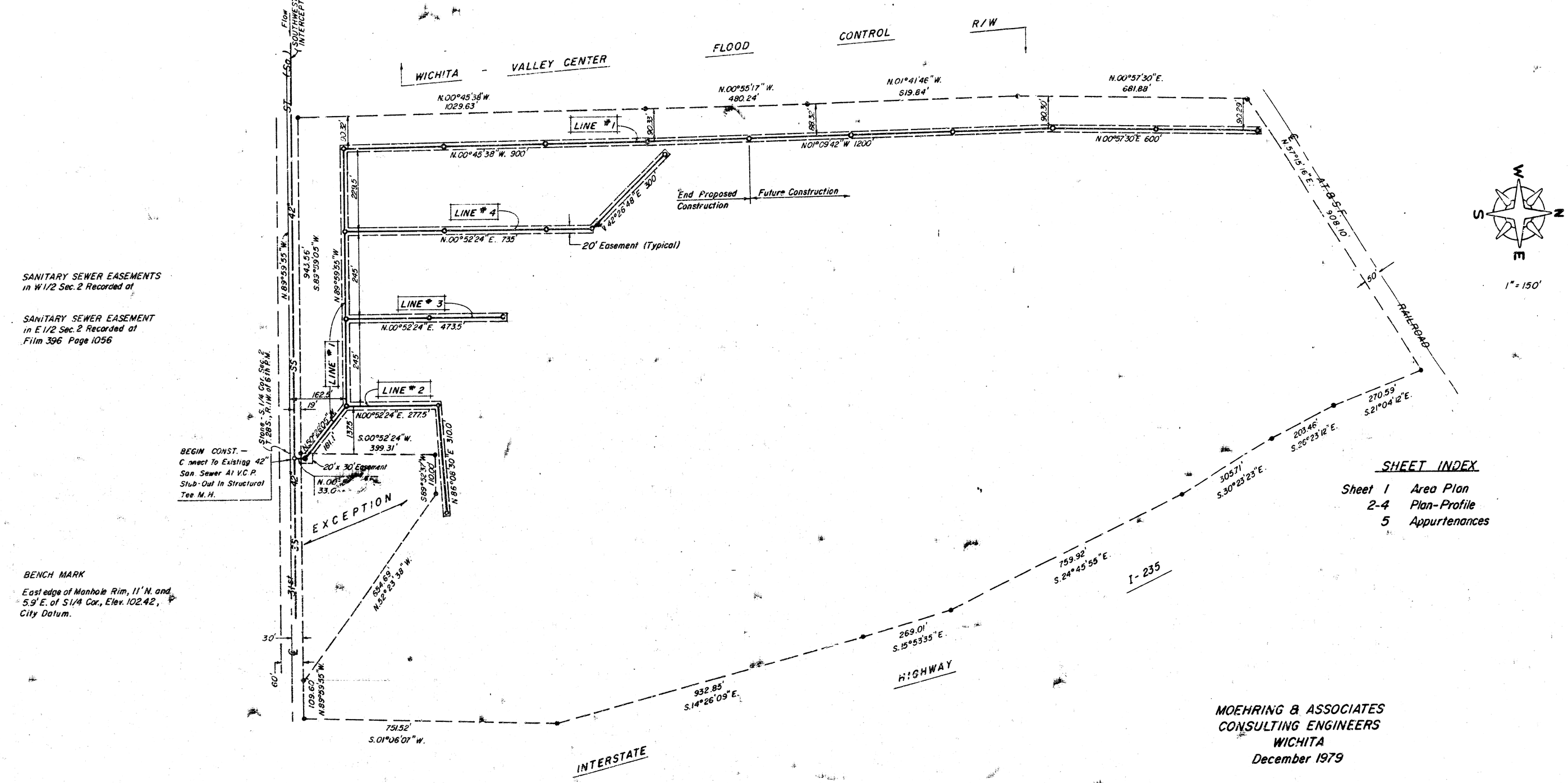
PRIVATE SANITARY SEWERS
SERVING
KEELER LAKE PROPERTY IN
W. 1/2 Section 2, T. 28 S., R. 2[redacted] Of 6th. P.M.

Private Proj. No. 468 76 245 80525 000 000 008



SANITARY SEWER EASEMENTS in W1/2 Sec. 2 Recorded at

SANITARY SEWER EASEMENT in E1/2 Sec. 2 Recorded at Film 396 Page 1056

BENCH MARK

East edge of Manhole Rim, 11' N. and 5.9' E. of S1/4 Cor., Elev. 1012.42, City Datum.

SHEET INDEX

Sheet 1 Area Plan
2-4 Plan-Profile
5 Appurtenances

12-31-79
APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers
Storm Sewers
Driveway Approaches

NOTE TO CONTRACTOR
This project will be constructed under the supervision of the CITY ENGINEER and conform to the requirements of the CITY OF WICHITA, KANSAS, TRACTION AND [redacted] Wichita, Kansas

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA
December 1979

DON C. MOEHRING II
LICENSED
3463
KANSAS
PROFESSIONAL ENGINEER

1/5

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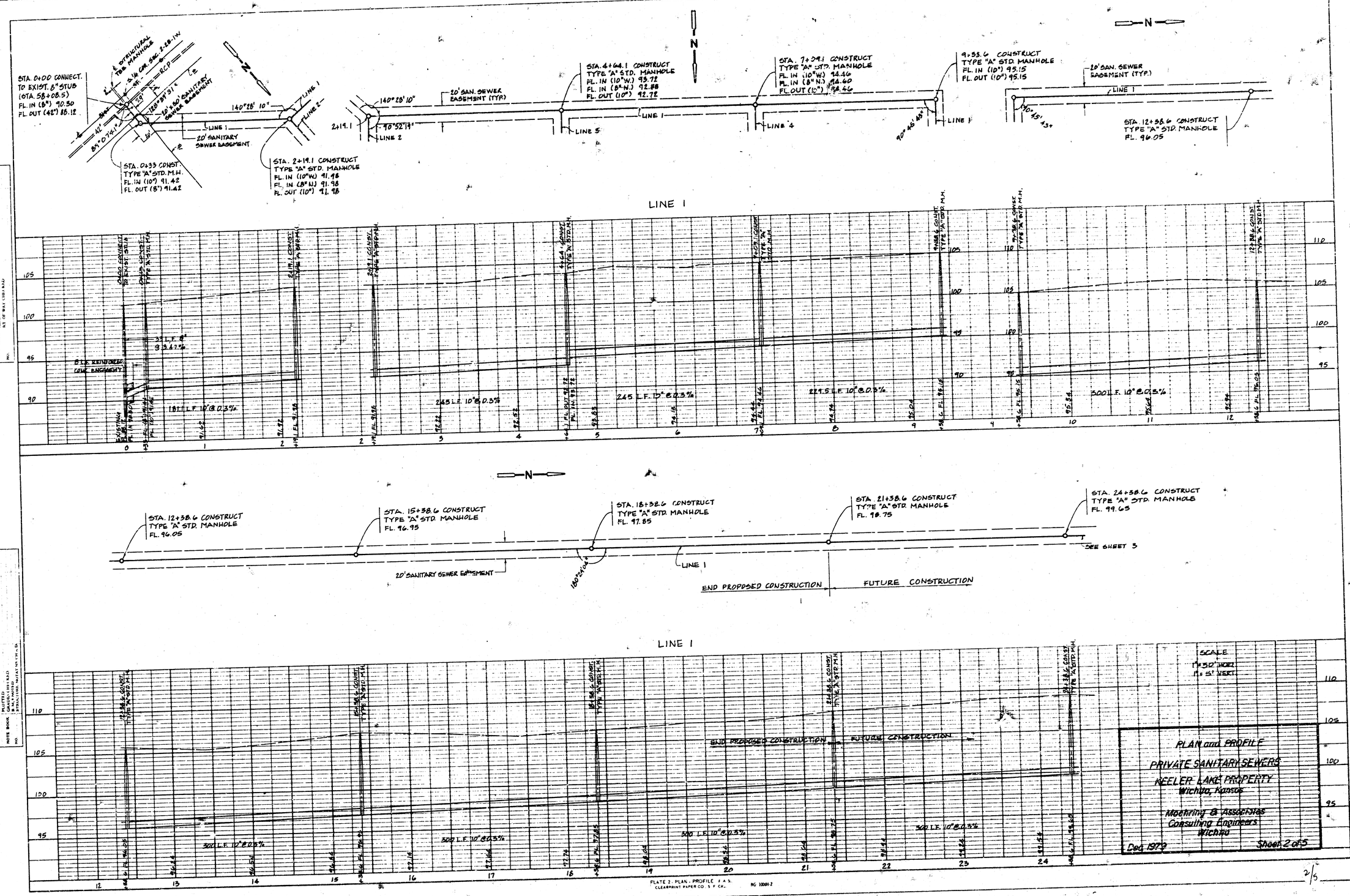

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PLAN — SURVEYED / PLOTTED / NOTE BOOK / NO. — DATE / BY / ALIGNMENT (RR) & I.C. / RT OF WAY (WD) & I.C.

STA. 24+38.6 CONSTRUCT TYPE "A" STD. MANHOLE FL. 99.65

STA. 27+38.6 CONSTRUCT TYPE "A" STD. MANHOLE FL. 100.55

STA. 30+38.6 CONSTRUCT TYPE "A" STD. MANHOLE FL. 101.45

STA. 33+38.6 CONSTRUCT TYPE "A" STD. MANHOLE FL. 102.35

STA. 36+38.6 CONSTRUCT TYPE "A" STD. MANHOLE FL. 103.25

℄

20' SANITARY SEWER EOM'T.

177.45'

10'

℄ LINE A.T. & S.F. R.R. R/W

LINE 1

24+38.6 CONST. TYPE "A" STD. M.H.

27+38.6 CONST. TYPE "A" STD. M.H.

30+38.6 CONST. TYPE "A" STD. M.H.

33+38.6 CONST. TYPE "A" STD. M.H.

36+38.6 CONST. TYPE "A" STD. M.H.

300 L.F. 10" @ 0.3%

300 L.F. 10" @ 0.3%

300 L.F. 10" @ 0.3%

+38.6 FL. 99.65

+38.6 FL. 100.55

+38.6 FL. 101.45

+38.6 FL. 102.35

+38.6 FL. 103.25

99.83 100.19 100.73 101.09 101.53 101.93 102.83 103.13

110 105 100

24 25 26 27 28 29 30 31 32 33 34 35 36

PLAN — SURVEYED / PLOTTED / NOTE BOOK / NO. — DATE / BY / GRADES (RR) & I.C. / R/W (WD) & I.C. / STRUCTURE ROTATIONS U.S.K.D.

20' SAN. SEWER EASEMENT (TYP.)

LINE 2

90°52'19"

140°28'10"

LINE 1

STA. 0+00 = 2+19.1 (LINE 1)
CONST. TYPE "A" STD. M.H.
FL. IN (10"W.) 91.98
FL. IN (8"W.) 91.98
FL. OUT (10"W.) 91.98

94°45'54"

STA. 2+77.5 CONSTRUCT TYPE "A" STD. MANHOLE FL. 93.33

LINE 2

20' SANITARY SEWER EASEMENT

10'

STA. 2+77.5

LINE 2

STA. 5+77.5 CONSTRUCT TYPE "A" STD. MANHOLE FL. 94.23

N

LINE 2

0+00 CONST. TYPE "A" STD. M.H.

2+77.5 CONST. TYPE "A" STD. M.H.

2+77.5 CONST. TYPE "A" STD. M.H.

5+77.5 CONST. TYPE "A" STD. M.H.

+00 FL. 91.98

+77.5 FL. 93.33

+77.5 FL. 94.23

277.5 L.F. 10" @ 0.5%

300 L.F. 10" @ 0.5%

93.90 95.17 95.40 97.20 97.40

105 100 95 90

0 1 2 2 3 4 5 6

SCALE
1" = 50' HORZ.
1" = 5' VERT.

PLAN and PROFILE
PRIVATE SANITARY SEWERS
KEELER LAKE PROPERTY
Wichita, Kansas
Moehring & Associates
Consulting Engineers
Wichita
Dec. 1979 Sheet 3 of 5

PLATE 2 - PLAN - PROFILE - 7 A 5 - CLEARPRINT PAPER CO. S. F. CAL. NO. 1000H-2

3/5

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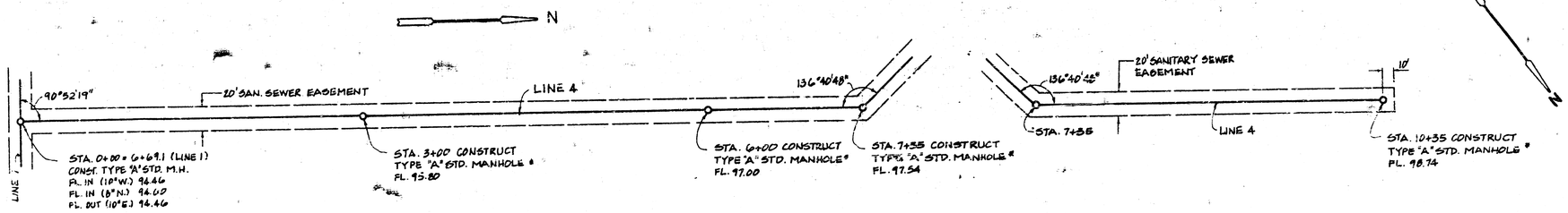
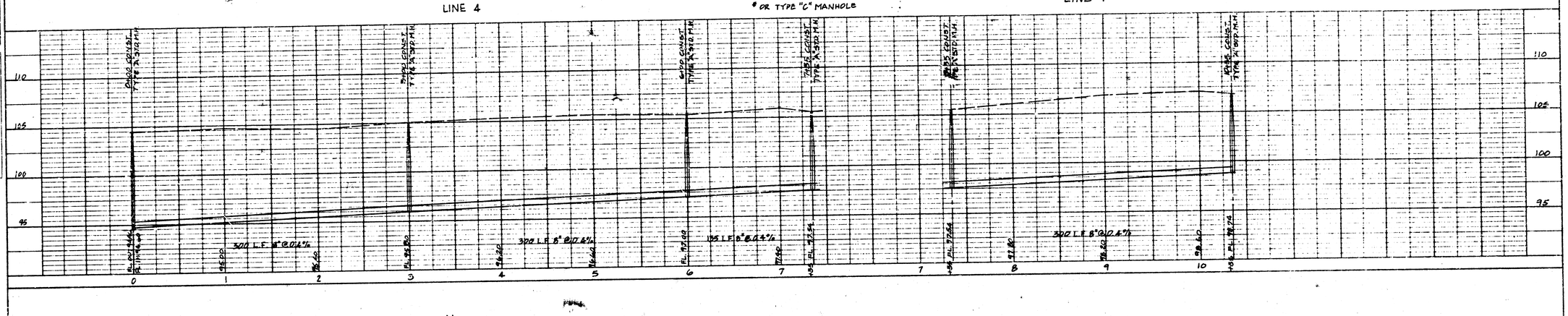
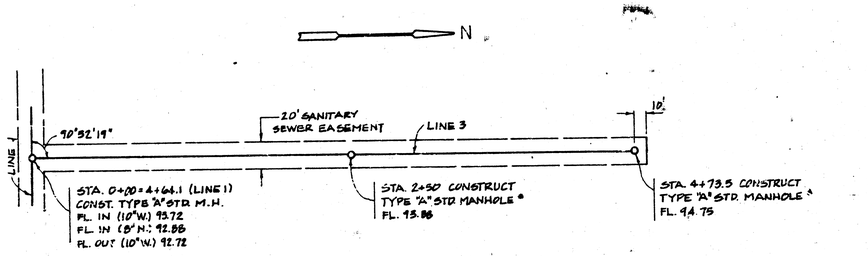


* OR TYPE "C" MANHOLE

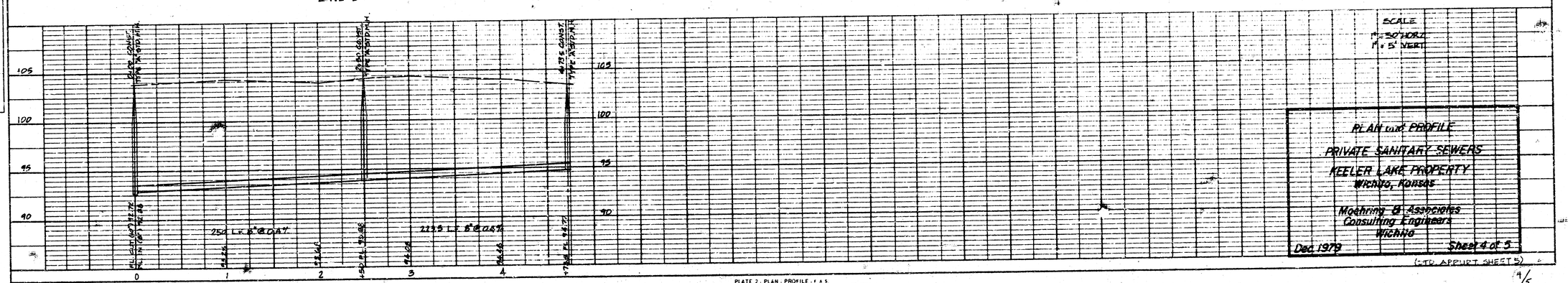
LINE 4





* OR TYPE "C" MANHOLE

LINE 3



SCALE
1" = 50' HORZ.
1" = 5' VERT.

PLAN and PROFILE
PRIVATE SANITARY SEWERS
KEELER LAKE PROPERTY
Wichita, Kansas

Mashring & Associates
Consulting Engineers
Wichita

Dec. 1979 Sheet 4 of 5

(CTY. APPVRT. SHEET 5)

4/5

PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
DATE
BY

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
DATE
BY

PLATE 2 - PLAN - PROFILE - 1 A S
CLEARPRINT PAPER CO S F CAL NO 1200H-2

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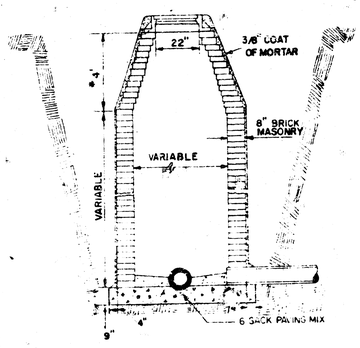
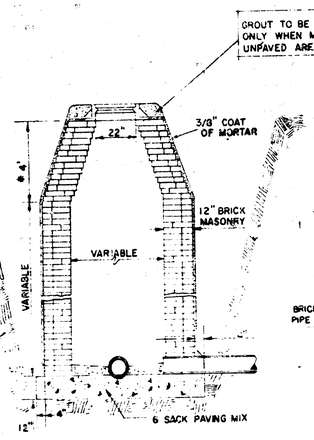
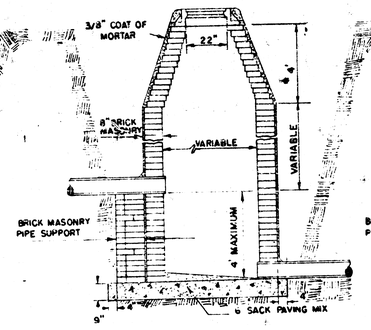


STANDARD MANHOLE TYPE "A"

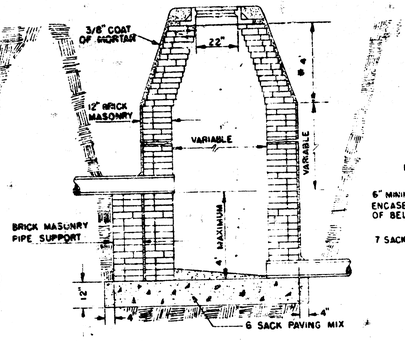
* DRAW= 6' ON 5' DIA. M.H.



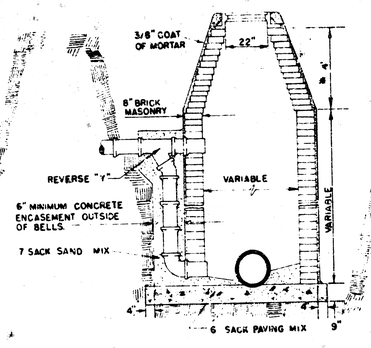
STANDARD MANHOLE TYPE "B"



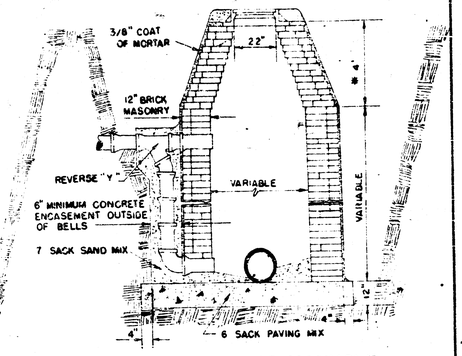
DROP MANHOLE TYPE "A"



DROP MANHOLE TYPE "B"

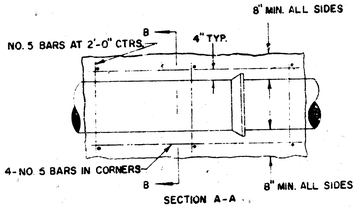


OUTSIDE DROP MANHOLE TYPE "A"



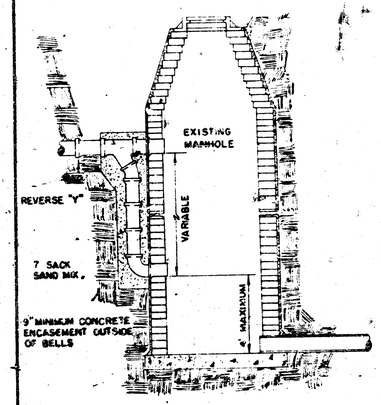
OUTSIDE DROP MANHOLE TYPE "B"

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.



REINFORCED CONCRETE ENCASEMENT

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

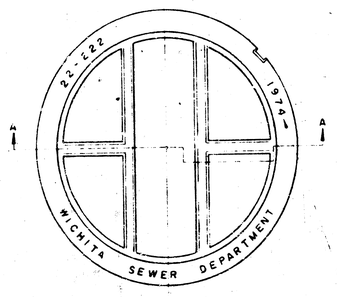


DETAIL OF DROP STACK

FOR EXISTING MANHOLES IN GROUND WATER

GENERAL NOTES

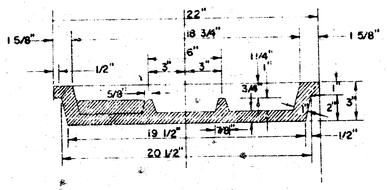
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE 'A' OR TYPE 'B' AND STANDARD DROP MANHOLES TYPE 'A' OR TYPE 'B' SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. 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 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.



TOP VIEW

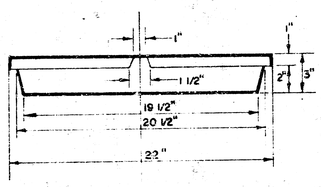
MANHOLE COVER

WEIGHT 110 LBS.



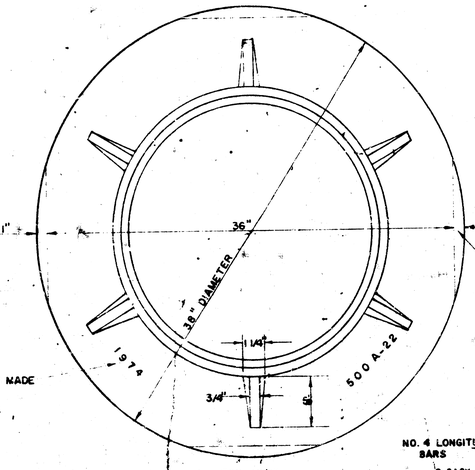
SECTION A-A

MANHOLE COVER



SIDE VIEW

MANHOLE COVER



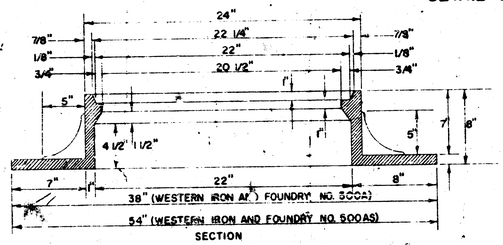
YEAR CASTING IS MADE

TOP VIEW

MANHOLE RING

WEIGHT 325 LBS. RING NO. 500A

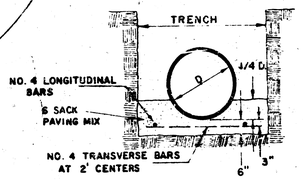
WEIGHT 800 LBS. RING NO. 500AS



SECTION

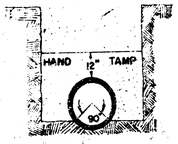
MANHOLE RING

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



DETAIL OF CONCRETE CRADLE





ORDINARY BEDDING METHOD

STORM SEWER PIPE

REVISED 4-13-77

DETAILS OF

SEWER APPURTENANCES

ADOPTED AS STANDARD DESIGN

BY

ENGINEERING DIVISION

CITY OF WICHITA, KANSAS

R. V. [illegible]INN CITY ENGINEER

1974

Sheet 5 of 5

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