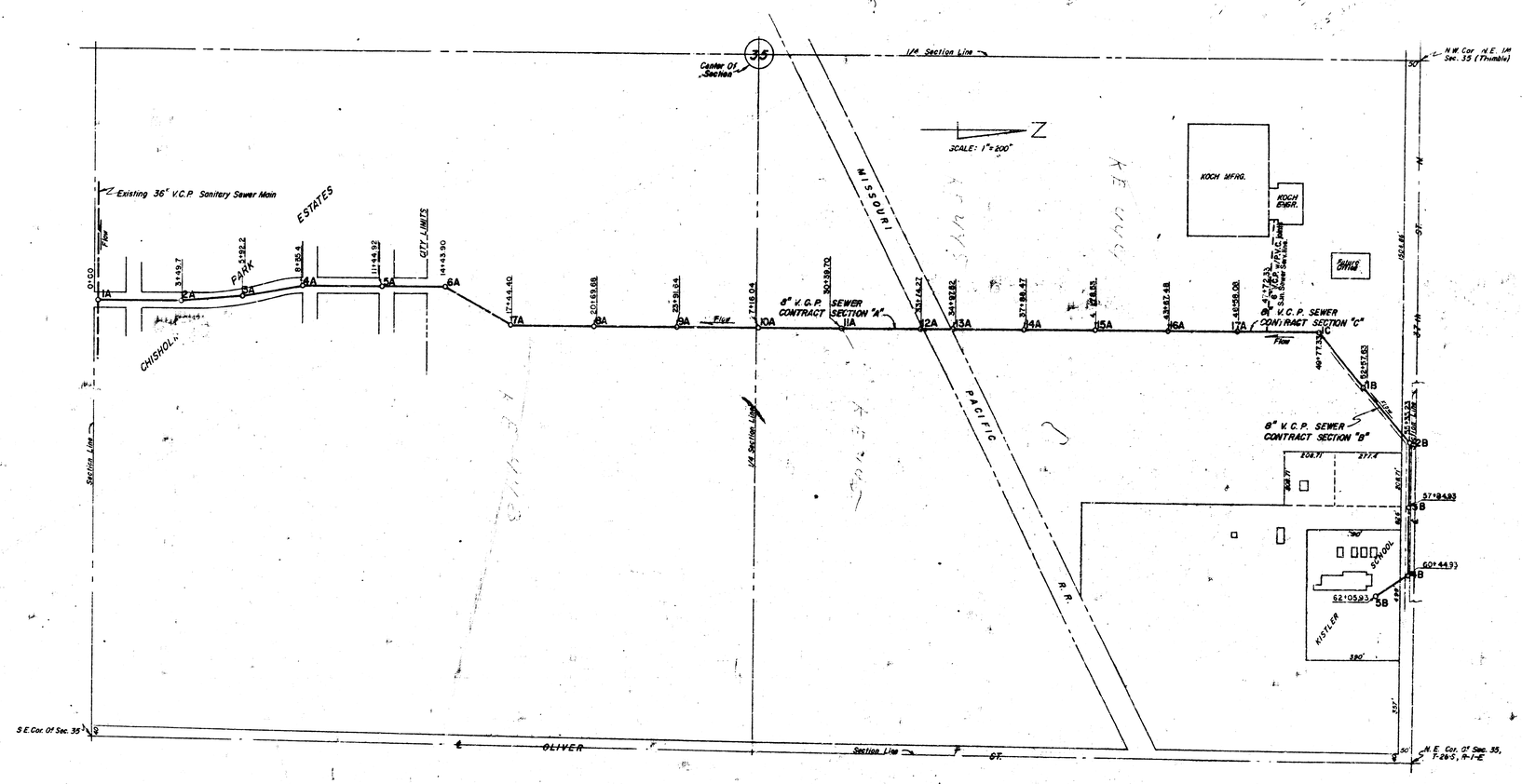
SANITARY SEWER
FOR
KOCH ENGINEERING CO., INC.

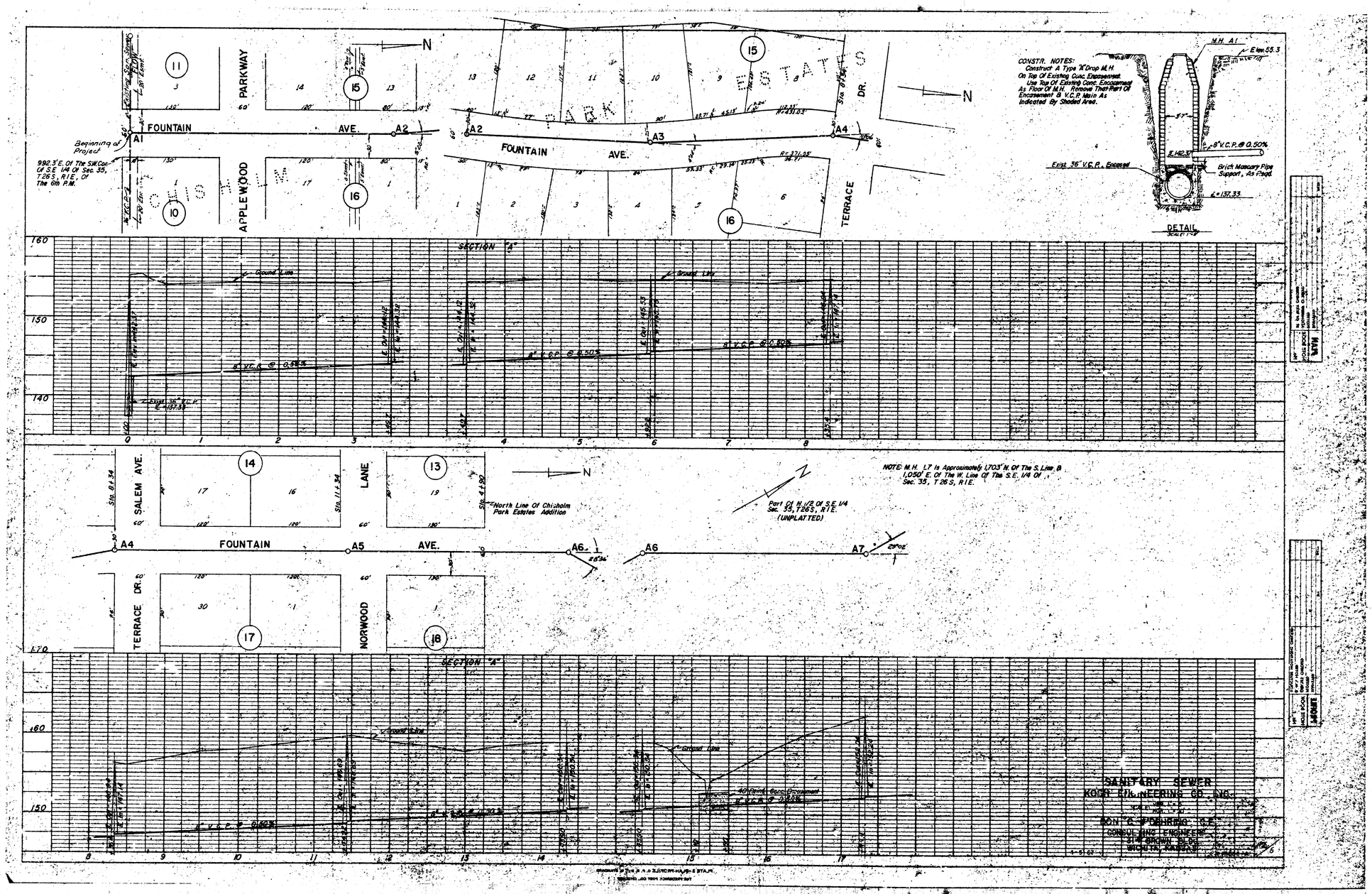
LAT. 24 S.S. 23

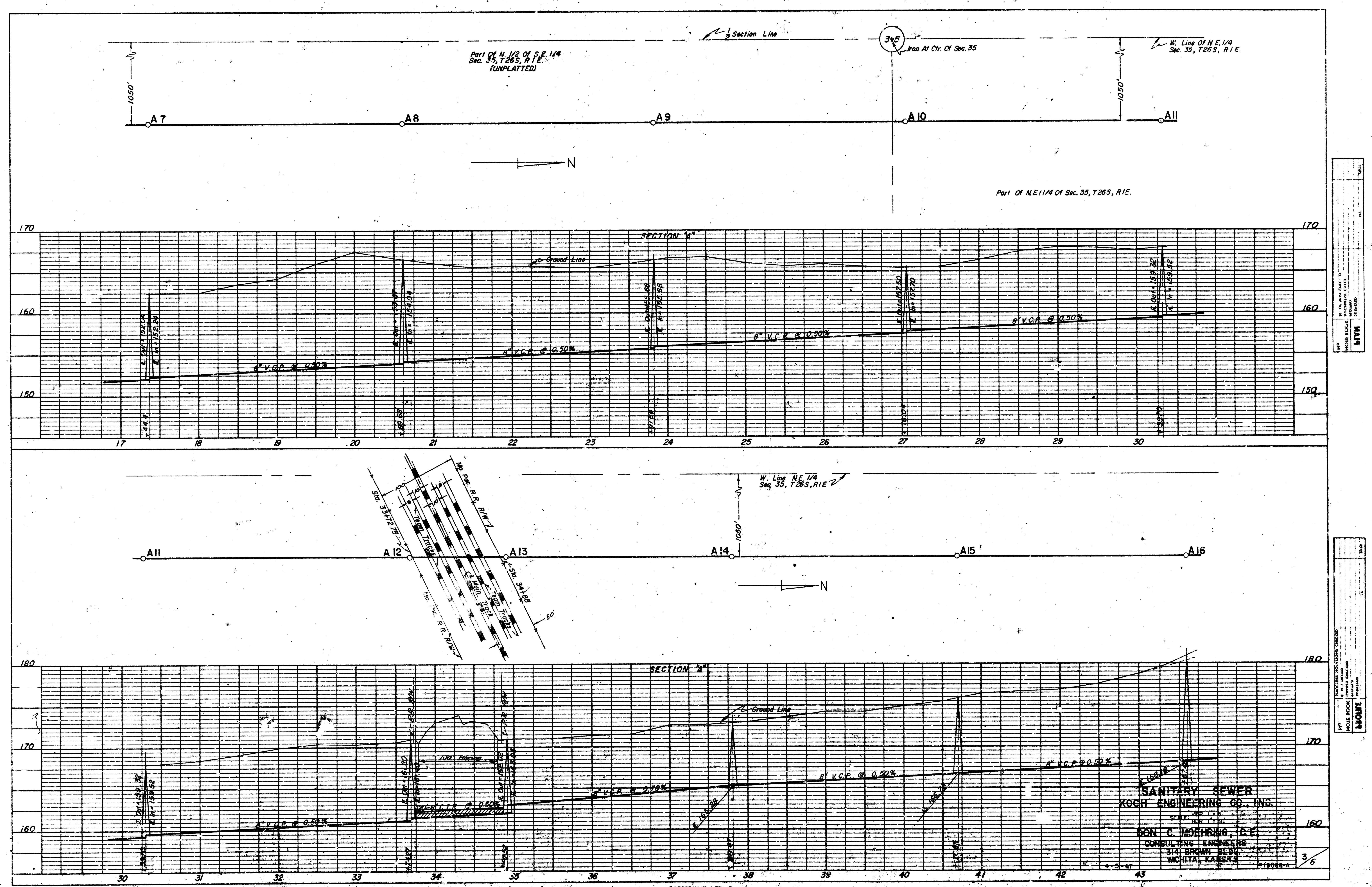


DON C. MOEHRING, C.E.
CONSULTING ENGINEERS
WICHITA, KANSAS
1967

L-421

1/6


PARKWAY
APPLEWOOD LN.
FOUNTAIN AVE.
CLARK ESTATES
DR.
TERRACE
Beginning of Project
992.3' E. Of The SW Cor. Of S.E. 1/4 Of Sec. 35, T.26 S., R.1 E., Of The 6th P.M.
A1
A2
A3
A4
A5
A6
A7
CONSTR. NOTES:
Construct A Type "K" Drop M.H. On Top Of Existing Conc. Encasement. Use Top Of Existing Conc. Encasement As Floor Of M.H. Remove That Part Of Encasement & V.C.P. Main As Indicated By Shaded Area.
M.H. A1
E.lev. 55.3
8" V.C.P. @ 0.50%
Brick Masonry Pipe Support, As Req'd.
Exist. 36" V.C.P., Encased
DETAIL
SECTION "A"
Ground Line
8" V.C.P. @ 0.50%
Exist. 36" V.C.P.
SALEM AVE.
LANE
NORTH LINE OF CHISHOLM PARK ESTATES ADDITION
Part Of N.1/2 Of S.E. 1/4 Sec. 35, T26S, R1E. (UNPLATTED)
NOTE: M.H. 1.7 Is Approximately 1,703' N. Of The S. Line & 1,050' E. Of The W. Line Of The S.E. 1/4 Of Sec. 35, T 26 S, R 1 E.
NORWOOD
SANITARY SEWER
KOCH ENGINEERING CO., INC.
JOHN C. FISCHER, C.E.
CONSULTING ENGINEER
514 BROWN BLDG.
WICHITA, KANSAS



1/2 Section Line
Part Of N. 1/2 Of S.E. 1/4
Sec. 35, T26S, R1E.
(UNPLATTED)
3+5
Iron At Ctr. Of Sec. 35
W. Line Of N.E. 1/4
Sec. 35, T26S, R1E.
1050'
A7
A8
A9
A10
A11
N
Part Of N.E. 1/4 Of Sec. 35, T26S, R1E.
SECTION "A"
Ground Line
8" V.C.P. @ 0.50%
170
160
150
17
18
19
20
21
22
23
24
25
26
27
28
29
30
W. Line N.E. 1/4
Sec. 35, T26S, R1E
Mo. Pac. R.R. R/W
Sta. 33+72.75
Team Tracks
Main Track
Sta. 34+85
50'
A12
A13
A14
A15
A16
100' Boring
8" V.C.P. @ 0.70%
180
31
32
33
34
35
36
37
38
39
40
41
42
43
PLAN
PROFILE
SANITARY SEWER
KOCH ENGINEERING CO., INC.
SCALE: VER. 1" = 5'
HOR. 1" = 50'
DON C. MOEHRING, C.E.
CONSULTING ENGINEERS
314 BROWN BLDG.
WICHITA, KANSAS
4-5-67
3/6
PLATE 2 - PLAN-PROFILE
THE FREDERICK POST CO., CHICAGO

W. Line N.E. 1/4 Sec. 35, T-26-S, R-1-E

N

1080'

A16 — A17

E-N. Line N.E. 1/4 Sec. 35

744.5'

V O I D

603'

A17 — B1 — B2

N

SECTION "A"

190 / 180 / 170

Ground Line

Current Grading Operations Will Place Ground Line Here

SEND SECTION "A"

8" V.C.P. @ 0.30%

8" V.C.P. @ 11.0 30%

8" V.C.P. @ 11%

43 44 45 46 47

SECTION "B"

NOTE: M.H. At Sta. 0+00 Sec. "B" = M.H. A17 At Sta. 46+50 Section "A"

REC. SECTION "B"

Current Grading Operations Will Place Ground Line Here

V O I D

E. Ground Line

8" V.C.P. @ 0.50%

8" V.C.P. @ 11%

0 1 2 3 4 5 6 7

B2 — B3

V O I D

B3 — B4 — B5

N

SCHOOL BLDR.

Elec. Service

S. Fr. School Yard

Septic Tanks

W. Line N.E. 1/4 Sec. 35

N. Line Sec. 35

A17 — C1

1050'

395'

N. Line N.E. 1/4 Sec. 35

SECTION "A"

200 / 190 / 180

Ground Line

V O I D

8" V.C.P. @ 10.50%

8" V.C.P. @ 0.50%

6 7 8 9 10 10 11 12 13 14

SECTION "C"

Ground Line

Current Grading Operations Will Place Ground Line Here

8" V.C.P. @ 0.50%

46 47 48 49 50

SANITARY SEWER

KOCH ENGINEERING CO., INC.

SCALE: VER. 1"= 5' HOR. 1" = 50'

DON C. MOEHRING, C.E.

CONSULTING ENGINEERS

514 BROWN BLDG.

WICHITA, KANSAS

4/6

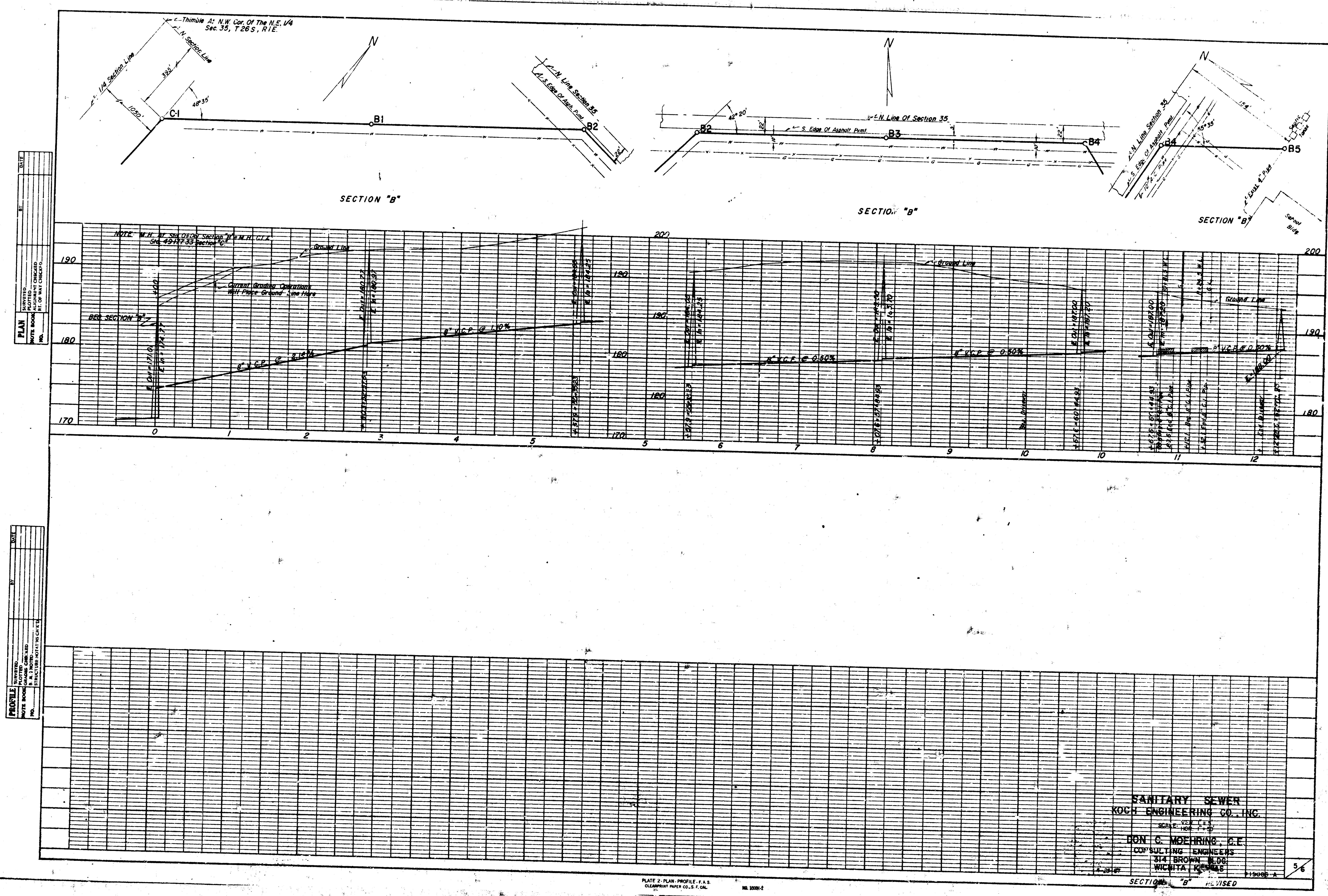
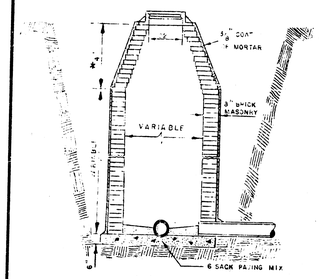
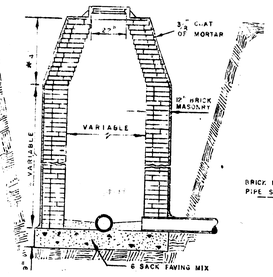


PLATE 2 · PLAN · PROFILE · F.A.S.
CLEARPRINT PAPER CO., S. F. CAL.
NO. 1000H-2

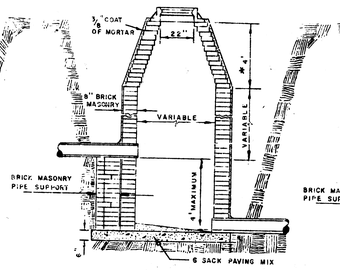


STANDARD MANHOLE
TYPE "A"

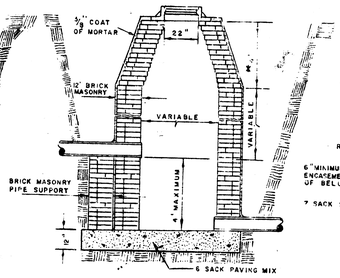


STANDARD MANHOLE
TYPE "B"

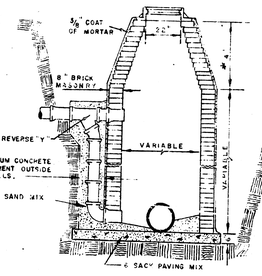
* DRAW = 6' ON 5' DIA. M.H.



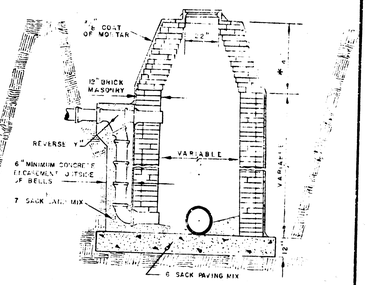
DROP MANHOLE
TYPE "A"



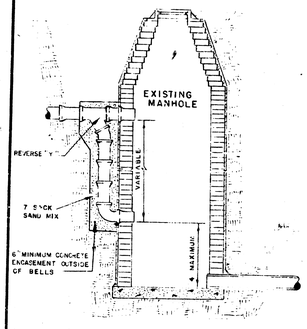
DROP MANHOLE
TYPE "B"



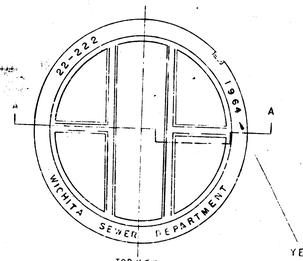
OUTSIDE DROP MANHOLE
TYPE "A"



OUTSIDE DROP MANHOLE
TYPE "B"

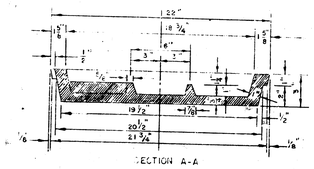


DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER

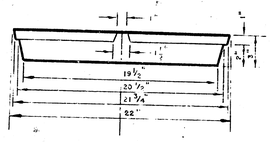


TOP VIEW

MANHOLE COVER
WEIGHT 340 lbs.



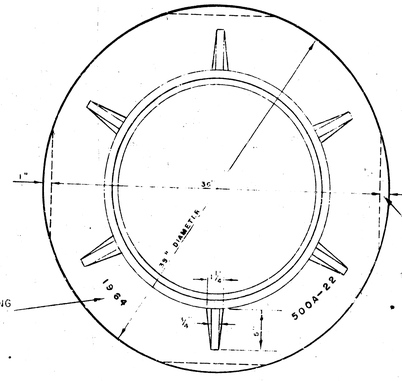
MANHOLE COVER



SIDE VIEW

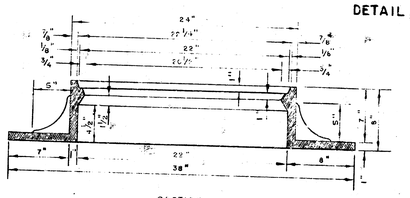
MANHOLE COVER

YEAR CASTING IS MADE



TOP VIEW

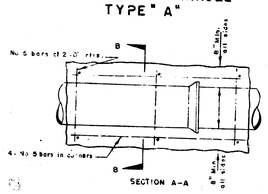
MANHOLE RING
WEIGHT 355 lbs

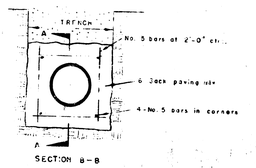


SECTION

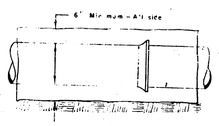
MANHOLE RING

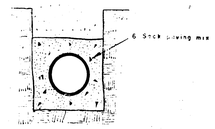
OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.



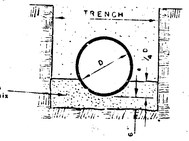


REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH





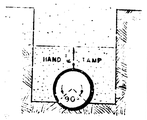
CONCRETE ENCASEMENT
FOR COVER

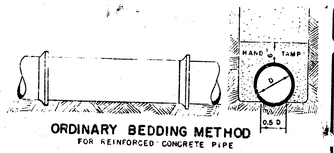


DETAIL OF CONCRETE CRADLE



ORDINARY BEDDING METHOD
FOR CLAY PIPE





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
DON C. MOEHRING, C.E.
CONSULTING ENGINEERS
1967

C/6