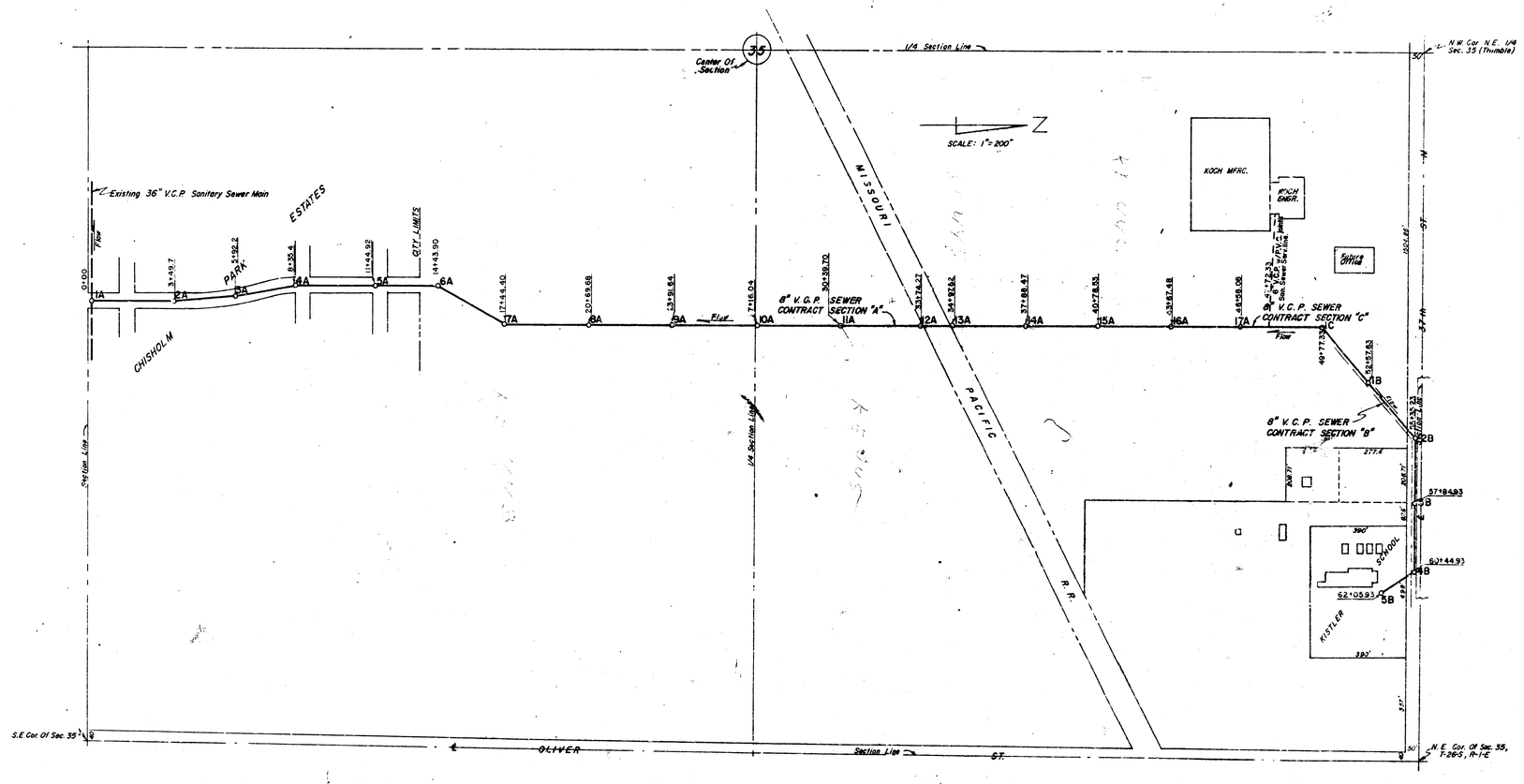
SANITARY SEWER
FOR
KOCH ENGINEERING CO., INC.

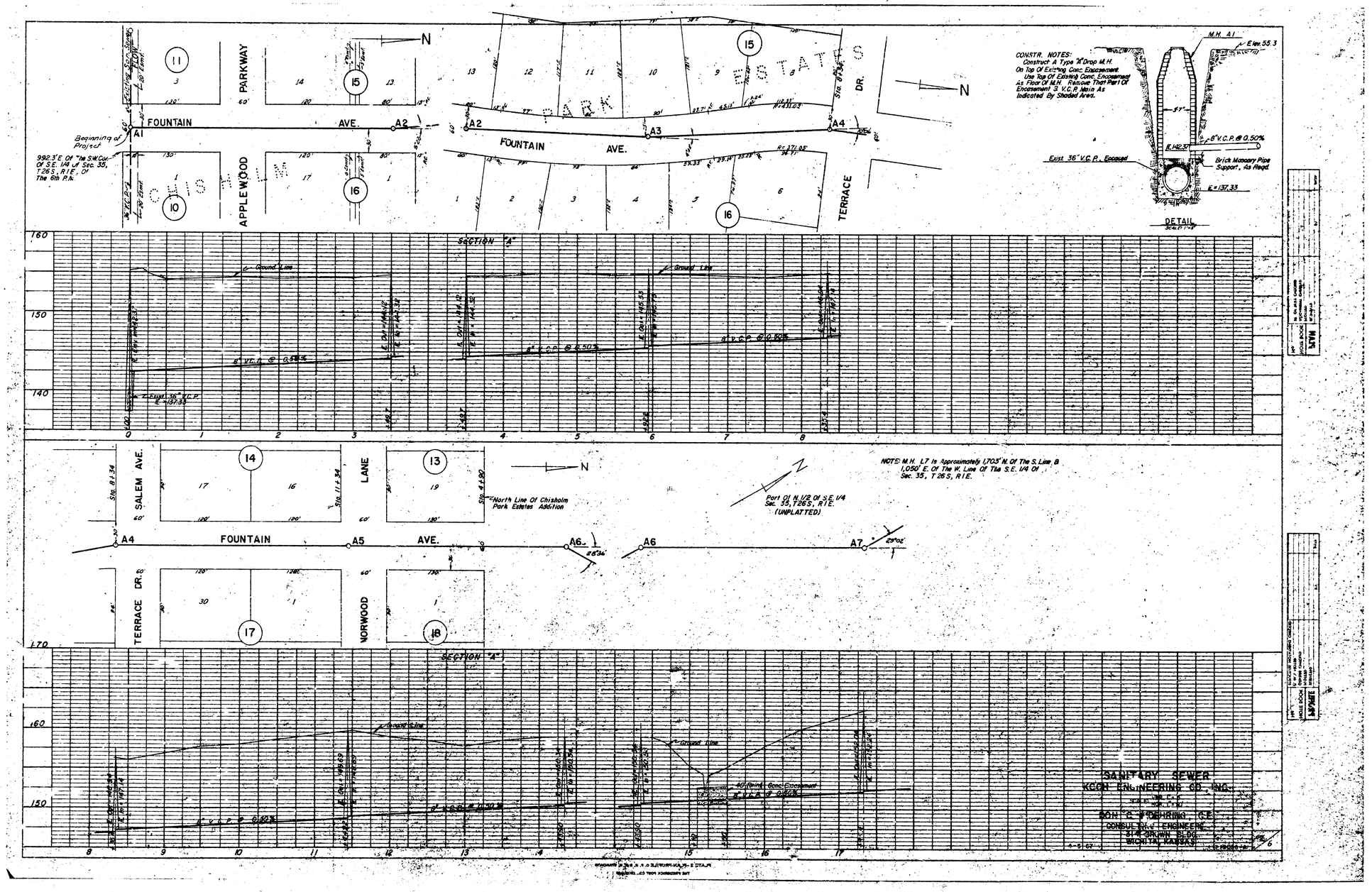
LAT. 24 S.S. 23



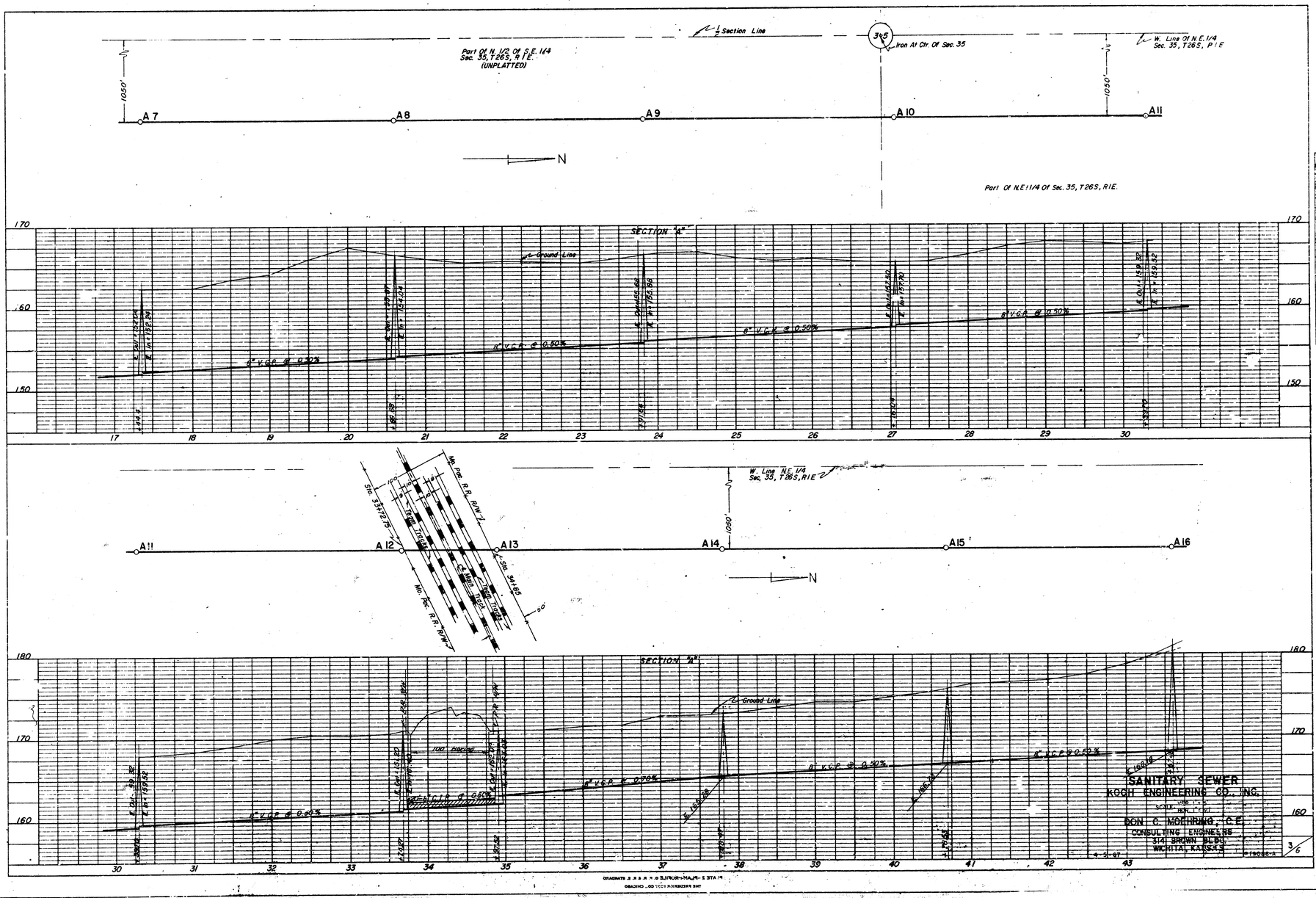
DON C. MOEHRING, C.E.
CONSULTING ENGINEERS
WICHITA, KANSAS
1967

L-121

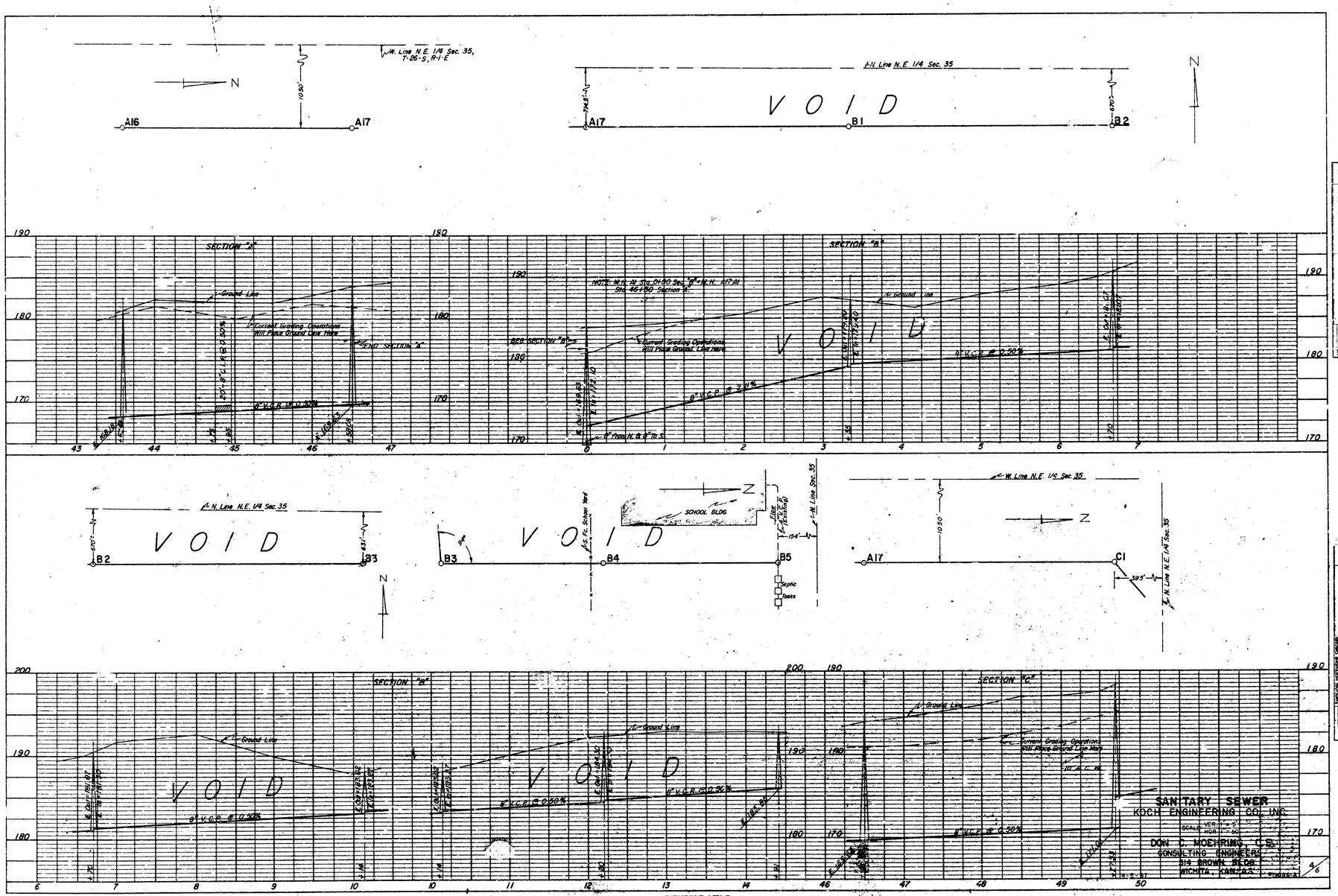
1/6



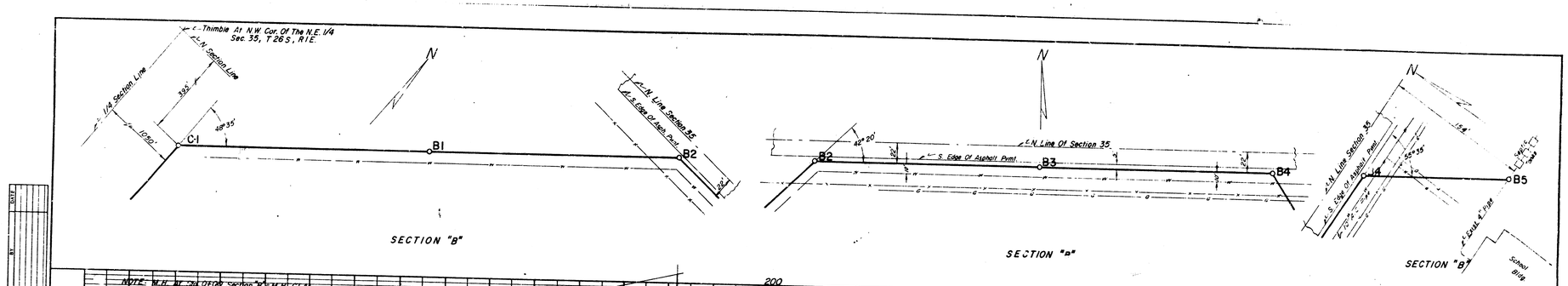
CHISHOLM PARK ESTATES
FOUNTAIN AVE.
APPLEWOOD PARKWAY
TERRACE DR.
Beginning of Project
992.3' E. Of The S.W. Cor. Of S.E. 1/4 Of Sec. 35, T26S, R1E, Of The 6th P.M.
CONSTR. NOTES:
Construct A Type "A" Drop M.H. On Top Of Existing Conc. Encasement. Use Top Of Existing Conc. Encasement As Floor Of M.H. Remove That Part Of Encasement & V.C.P. Main As Indicated By Shaded Area.
M.H. A1
Elev. 55.3
8" V.C.P. @ 0.50%
Exist. 36" V.C.P., Encased
Brick Masonry Pipe Support, As Reqd.
E=137.33
DETAIL
SECTION "A"
Ground Line
8" V.C.P. @ 0.50%
Exist. 36" V.C.P. E=137.33
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. L7 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, T26S, R1E.
TERRACE DR.
NORWOOD
40' Brick Conc. Encasement
SANITARY SEWER
KCCH ENGINEERING CO., INC.
DON C. FIDEHRING, C.E.
CONSULTING ENGINEERS
314 BROWN BLDG.
WICHITA, KANSAS

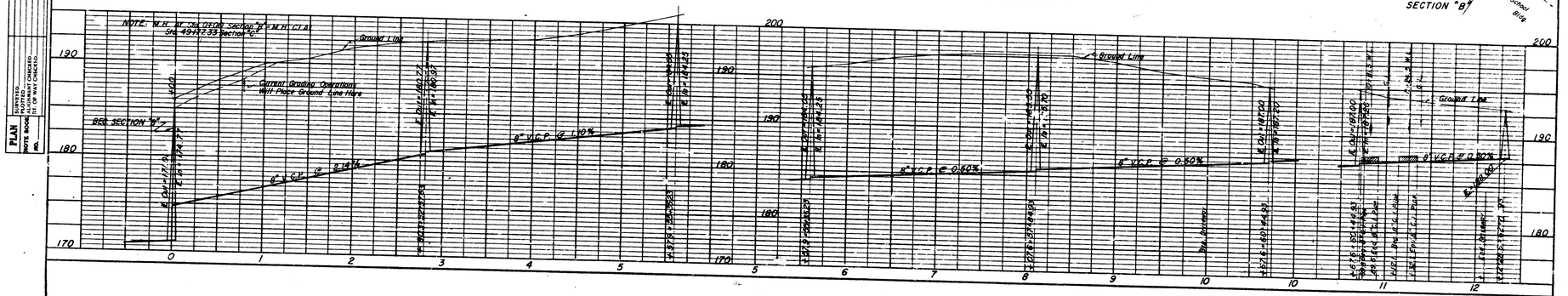


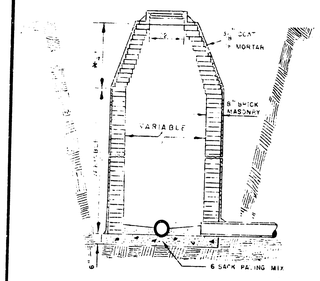
Section Line
Iron At Ctr. Of Sec. 35
W. Line Of N.E. 1/4 Sec. 35, T26S, R1E
Part Of N. 1/2 Of S.E. 1/4 Sec. 35, T26S, R1E. (UNPLATTED)
Part Of N.E. 1/4 Of Sec. 35, T26S, R1E.
A7
A8
A9
A10
A11
N
SECTION "A"
Ground Line
8" V.C.P. @ 0.50%
8" V.C.P. @ 0.70%
W. Line N.E. 1/4 Sec. 35, T26S, R1E
A11
A12
A13
A14
A15
A16
Mo. Pac. R.R. R/W
Sta. 33+72.75
Sta. 34+85
Main Track
Team Tracks
100' Hiring
SANITARY SEWER
KOCH ENGINEERING CO., INC.
DON C. MOEHRING, C.E.
CONSULTING ENGINEERS
314 BROWN BLDG.
WICHITA, KANSAS



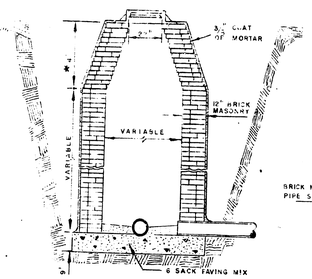
W. Line N.E. 1/4 Sec. 35, T-26-S, R-1-E
N. Line N.E. 1/4 Sec. 35
VOID
A16
A17
B1
B2
SECTION "A"
SECTION "B"
SECTION "C"
Ground Line
Current Grading Operations Will Place Ground Line Here
END SECTION "A"
NOTE: M.H. At Sta. 0+00 Sec. "B" = M.H. A17 At Sta. 46+50 Section "A"
8" V.C.P. @ 0.50%
8" V.C.P. @ 2.11%
8" From N. & 8" To S.
SCHOOL BLDG.
Septic Tanks
B3
B4
B5
C1
SANITARY SEWER
KOCH ENGINEERING CO. INC.
DON C. MOEHRING, C.E.
CONSULTING ENGINEERS
314 BROWN BLDG.
WICHITA, KANSAS




NOTE: M.H. at Sta 0+00 Section "A" M.H. at Sta 49+47.53 Section "C"
Ground Line
Current Grading Operations Will Place Ground Line Here
BEG SECTION "B"
8" V.C.P. @ 1.10%
8" V.C.P. @ 0.50%
8" V.C.P. @ 0.80%
8" S.V.
@ 3.14%
E Out 1171.70
E In 1164.23
E Out 1160.73
E In 1154.23
E Out 1154.23
E In 1147.73
E Out 1147.73
E In 1140.23
E Out 1140.23
E In 1133.73
E Out 1133.73
E In 1127.23
E Out 1127.23
E In 1120.73
E Out 1120.73
E In 1114.23
E Out 1114.23
E In 1107.73
E Out 1107.73
E In 1101.23
E Out 1101.23
E In 1094.73
E Out 1094.73
E In 1088.23
E Out 1088.23
E In 1081.73
E Out 1081.73
E In 1075.23
E Out 1075.23
E In 1068.73
E Out 1068.73
E In 1062.23
E Out 1062.23
E In 1055.73
E Out 1055.73
E In 1049.23
E Out 1049.23
E In 1042.73
E Out 1042.73
E In 1036.23
E Out 1036.23
E In 1029.73
E Out 1029.73
E In 1023.23
E Out 1023.23
E In 1016.73
E Out 1016.73
E In 1010.23
E Out 1010.23
E In 1003.73
E Out 1003.73
E In 997.23
E Out 997.23
E In 990.73
E Out 990.73
E In 984.23
E Out 984.23
E In 977.73
E Out 977.73
E In 971.23
E Out 971.23
E In 964.73
E Out 964.73
E In 958.23
E Out 958.23
E In 951.73
E Out 951.73
E In 945.23
E Out 945.23
E In 938.73
E Out 938.73
E In 932.23
E Out 932.23
E In 925.73
E Out 925.23
E In 919.23
E Out 919.23
E In 912.73
E Out 912.73
E In 906.23
E Out 906.23
E In 899.73
E Out 899.73
E In 893.23
E Out 893.23
E In 886.73
E Out 886.73
E In

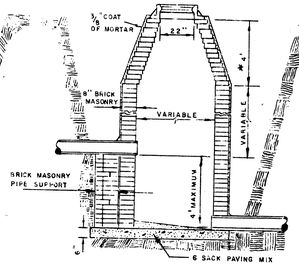


STANDARD MANHOLE
TYPE "A"

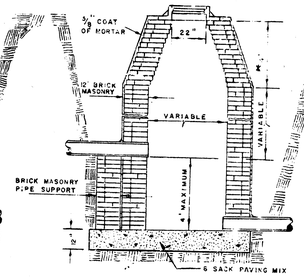


STANDARD MANHOLE
TYPE "B"

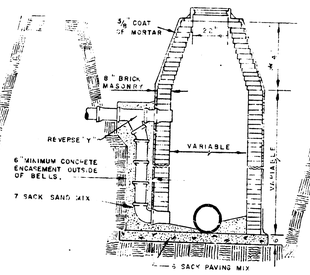
* DRAW = 6' ON 5' DIA. M.H.



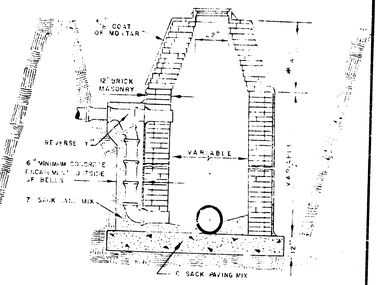
DROP MANHOLE
TYPE "A"



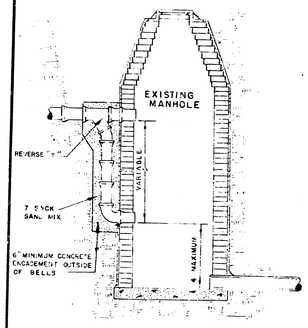
DROP MANHOLE
TYPE "B"



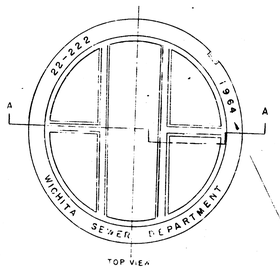
OUTSIDE DROP MANHOLE
TYPE "A"



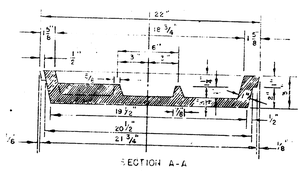
OUTSIDE DROP MANHOLE
TYPE "B"



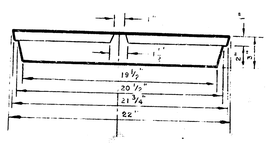
DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



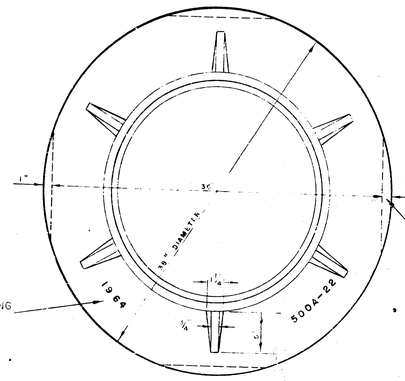
TOP VIEW
MANHOLE COVER
WEIGHT 310 lbs.



SECTION A-A
MANHOLE COVER

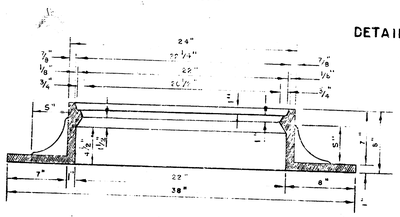


SIDE VIEW
MANHOLE COVER



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.

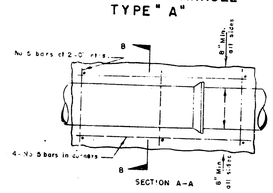
MANHOLES

THE CONCRETE USED FOR MORTAR IN MANHOLES SHALL CONTAIN 6 SACKS OF CEMENT PER CUBIC YARD.

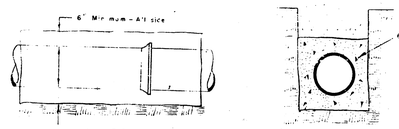
STANDARD MANHOLES AND DROP MANHOLES, REGARDLESS OF DIAMETER, SHALL BE BID AT ONE PRICE AS STANDARD MANHOLES.

SINGLE OR DOUBLE OUTSIDE DROP MANHOLES SHALL BE BID AT ONE PRICE AS OUTSIDE DROP MANHOLES.

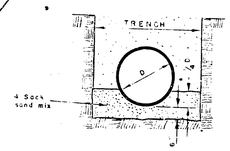
ALL MANHOLES WITH PIPES LARGER THAN 24" SHALL BE 5' DIAMETER UNLESS OTHERWISE SPECIFIED ON PLAN. ALL M.H.'S WITH PIPES 24" & SMALLER SHALL BE 4' DIA.



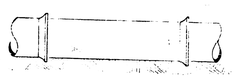
REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH



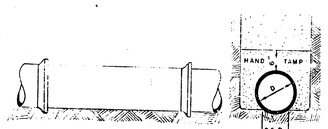
CONCRETE ENCASEMENT
FOR COVER



DETAIL OF CONCRETE CRADLE



ORDINARY BEDDING METHOD
FOR CLAY PIPE



ORDINARY BEDDING METHOD
FOR REINFORCED CONCRETE PIPE

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
DON C. MOEHRING, C.E.
CONSULTING ENGINEERS
1967

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