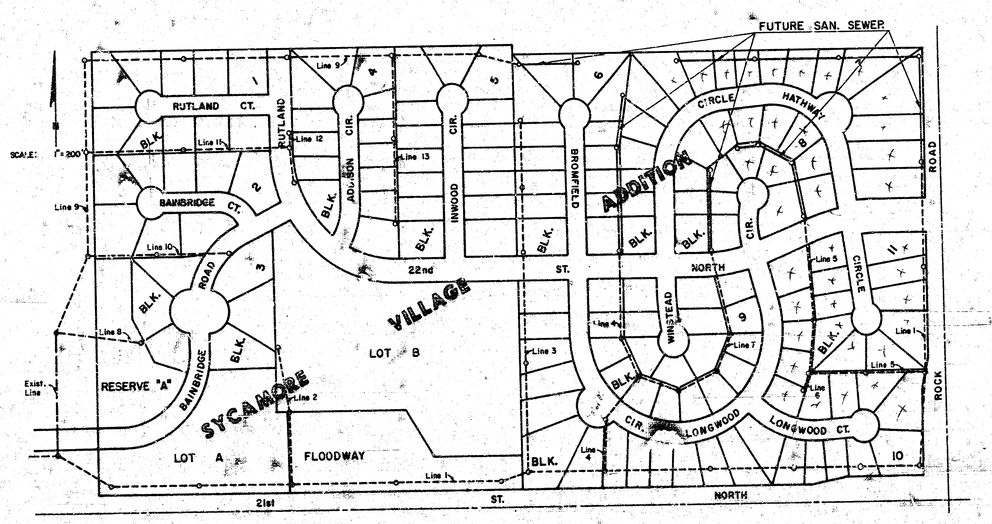
LATERAL 8, MAIN 6, S.S. NO. 23

PROJECT NO. DRKL 576008

CITY OF WICHITA, KANSAS
R.W. LINN CITY ENGINEER
FEBRUARY, 1976



LOCATION MAP

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE & LOCATION MAP
2-3	LINE 1
4	LINE 2
4-5	LINE 3
7	LINE 4
3	LINE 5
3	LINE 6
4	LINE 7
6	LINE 8
6-7	LINE 9
6	LINE 10
6	LINE 11
6	LINE 12
7	LINE 13
8	LIFT STATION DETAILS
9-10	SEWER APPURTENANCES

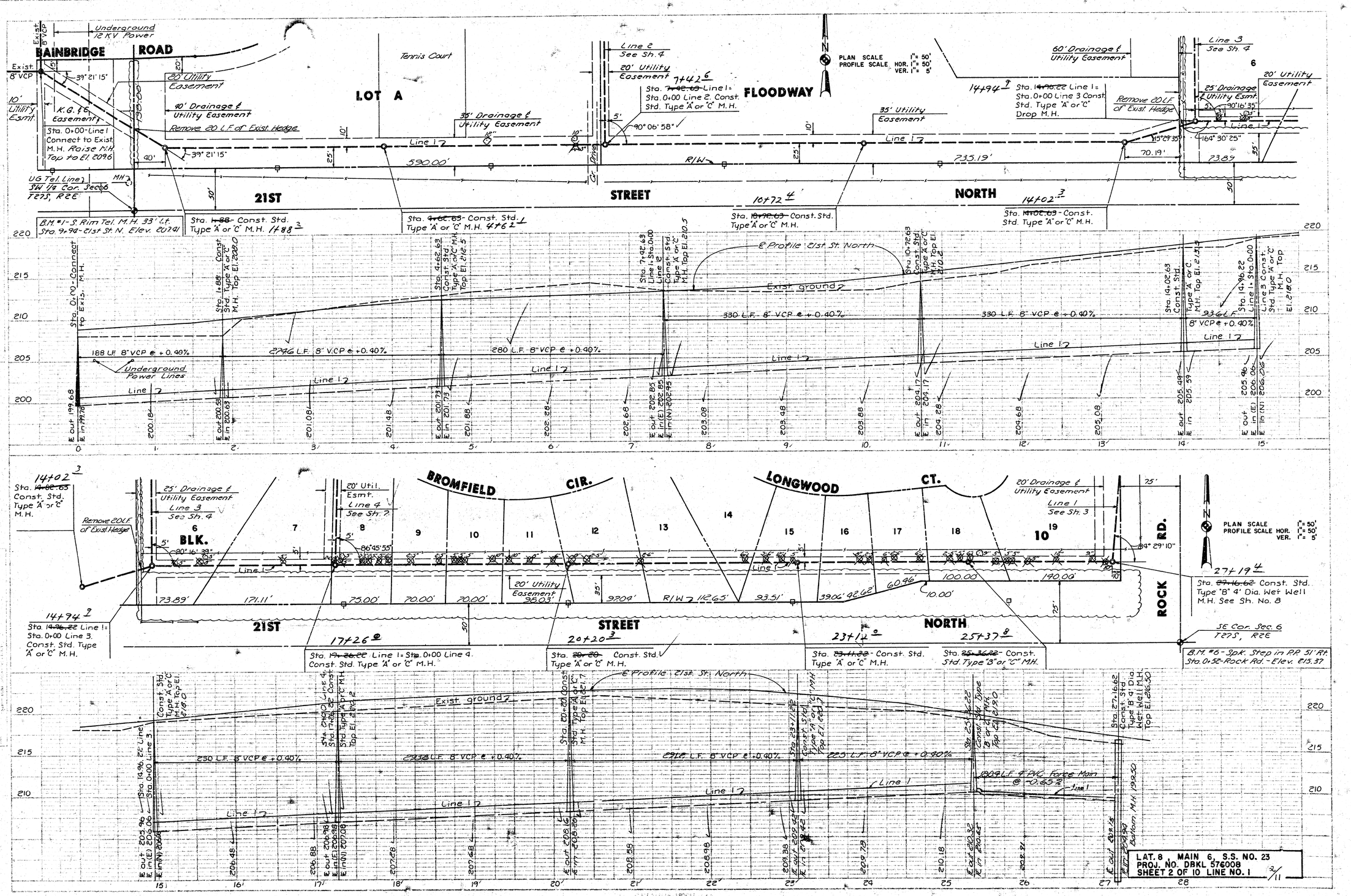
GENERAL NOTES

1. ALL TREES THAT DO NOT INTERFERE WITH CONSTRUCTION SHALL BE SPARED.
2. A.B.S. COMPOSITE PIPE MAY BE USED AS AN ALTERNATE TO CLAY PIPE.
3. CONTRACTOR SHALL CONTACT K.G. & E. FOR VERIFICATION OF UNDERGROUND POWER LINE CROSSINGS PRIOR TO STARTING THIS PROJECT.
4. CONTRACTOR FOR THIS PROJECT SHALL CONTACT THE CONTRACTOR FOR PROJECT NO. DRKL576007 TO INSURE THAT THE TYPE OF PIPE STUBBED OUT OF MANHOLES WILL BE THE SAME TYPE OF PIPE THAT WILL BE USED BY THE CONTRACTOR FOR PROJECT NO. DRKL576007.

DONALD E. SCHNEIDER LICENSED 6311 KANSAS PROFESSIONAL ENGINEER

Line No 3 to long ?
Line No 12 needed ?

As built 2-8-77



LAT. 8 MAIN 6, S.S. NO. 23
PROJ. NO. DBKL 576008
SHEET 2 OF 10 LINE NO. 1

2/11

PLAN SCALE 1"= 50'
PROFILE SCALE HOR. 1"= 50'
VER. 1"= 5'

27+19 4
Sta. ~~27+16.62~~
Const. Std. Type 'B' a' Dia. Wet Well M.H. See Sh. No.

21ST ST. NORTH

BLK. 10

BLK. 7

22ND ST. NORTH

BLK. 7

Building Setback Line

36+16 5
Sta. ~~36+07.18~~ - Const. Std. Type 'A' or 'C' M.H. With 8" Stub N.

End Line 1

25' Drainage & Utility Easement

ROCK

29+96 8
Sta. ~~29+87.15~~ Line 1 = Sta. 0+05 Line 5. Const. Std. Type 'A' or 'C' M.H.

ROAD

33+04 6
Sta. ~~32+97.44~~ Const. Std. Type 'A' or 'C' M.H.

B.M. = 5" SpK Step in P.P. 52' Rt. Sta. 9+60 - Rock Rd. Elev. 217.99

E Profile Rock RD.

Exist ground Z

18" Storm Sewer

30" Storm Sewer

270.3 L.F. 8" VCP @ +0.40%

310.3 L.F. 8" VCP @ +0.40%

310 L.F. 8" VCP @ -0.40%

Line 12

Sta. 27+16.62 Const. Std. Type 'B' a' Dia. Wet Well M.H. Top El. 216.50

Sta. 29+87.15 Line 1 = Sta. 0+05 Line 5 Const. Std. Type 'A' or 'C' M.H. Top El. 216.44

Sta. 32+97.44 Const. Std. Type 'A' or 'C' M.H. Top El. 218.2

Sta. 36+07.18 Const. Std. Type 'A' or 'C' M.H. With 8" Stub N. End Line 1 Top El. 217.13

Bottom M.H. 199.30
Exist 212.80
Exist 211.80

E out 206.12
E in(N) 206.12
E in(W) 206.12

E out 206.67
E in(N) 206.67
E in(W) 206.67

E out 207.36
E in 207.36

E out 207.27
E in 208.60

Sta. 17+86 3
Sta. ~~17+65~~ - Const. Std. Type 'A' or 'C' M.H.

Sta. 0+50 2
Sta. ~~0+50~~ Line 6 - Const. Std. Type 'A' or 'C' M.H. With 4" Stub W.

37+59 1
Sta. ~~3+61.86~~ Line 5 = Sta. 0+00 Line 6. Const. Std. Type 'A' or 'C' M.H.

Sta. 0+50 ~~0+80~~ Line 6 - Const. Std. Type 'A' or 'C' M.H. With 4" Stub W.

BLK. 10

BLK. 7

BLK. 26

BLK. 4

BLK. 11

22ND ST. NORTH

ROCK ROAD

Drainage & Utility Easement

Building Setback Line

End Line 6

Line 6

Line 5

20' Utility Easement

10' Utility Easement

30' Sidewalk & Util. Easement

End Line 5

Building Setback Line

10 8+20 6
Sta. ~~8+32.86~~ - Const. Std. Type 'A' or 'C' M.H. With 8" Stub N.

37+59 1
Sta. ~~3+61.86~~ Line 5 = Sta. 0+00 Line 6. Const. Std. Type 'A' or 'C' M.H.

57+14 1
Sta. ~~5+32.86~~ - Const. Std. Type 'A' or 'C' M.H.

Sta. 0+05 Line 5 = Sta. 29+87.77 Line 1 Const. Std. Type 'A' or 'C' M.H.

Top Curb Profile Longwood Ct.

Top Curb Profile Longwood Cir.

Top Curb Profile Hathway Cir.

Exist ground Z

180 L.F. 8" VCP @ +0.70%

176.19 L.F. 8" VCP @ +0.78%

50 L.F. 8" VCP @ +0.40%

161 L.F. 8" VCP @ +0.40%

310 L.F. 8" VCP @ -0.40%

24" Storm Sewer

Line 57

Line 6

Sta. 0+05 Line 5 Sta. 29+87.77 Line 1 Const. Std. Type 'A' or 'C' M.H. Top El. 216.44

Sta. 0+50 Line 6 Const. Std. Type 'A' or 'C' M.H. Top El. 217.37

Sta. 3+61.86 Line 5 Sta. 0+00 Line 6 Const. Std. Type 'A' or 'C' M.H. Top El. 220.37

Sta. 5+32.86 Const. Std. Type 'A' or 'C' M.H. Top El. 219.0

Sta. 8+32.86 Const. Std. Type 'A' or 'C' M.H. With 8" Stub N. End Line 5 Top El. 218.5

E out 209.22

E out 208.98
E in(N) 209.00
E in(S) 209.00

E out 209.63
E in 209.63

E out 209.76
E in 209.74

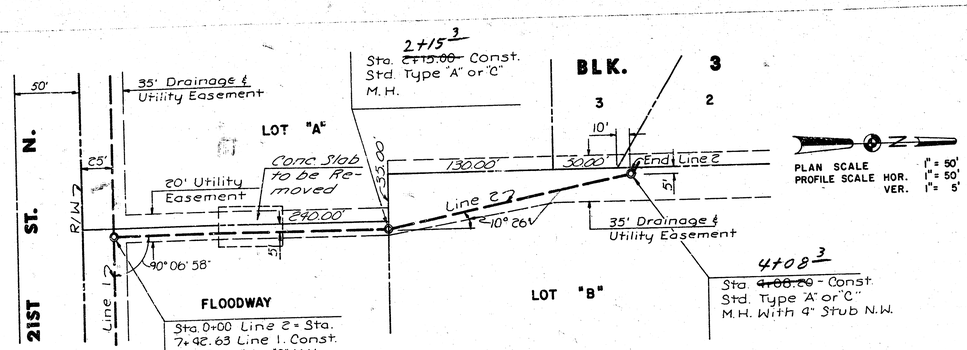
E out 210.05

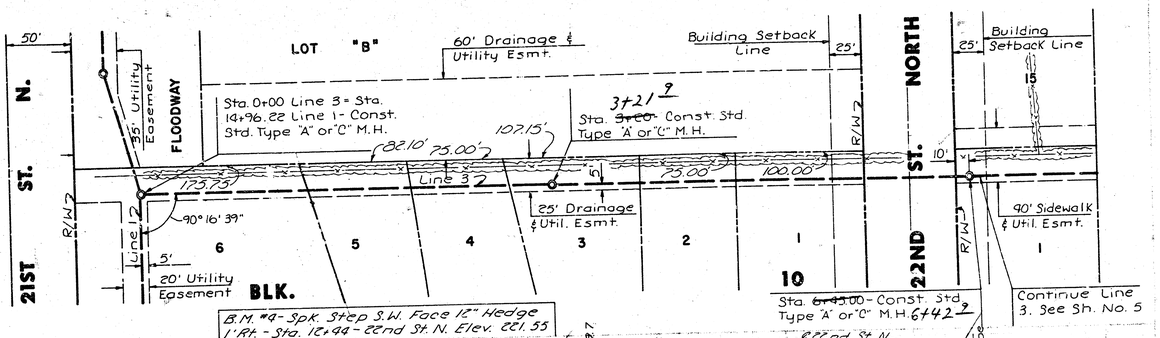
E out 210.95

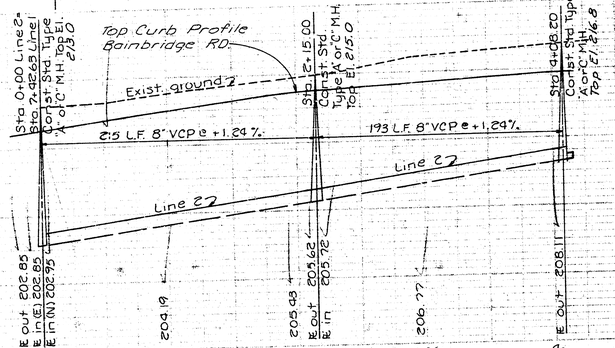
E out 210.85

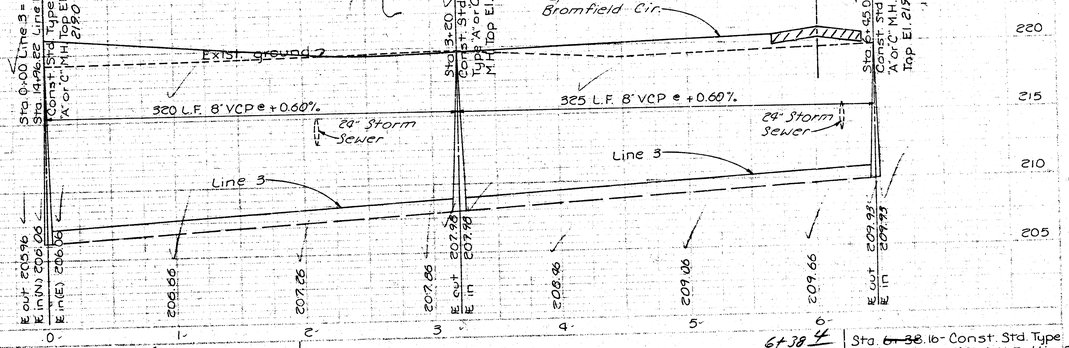
E out 210.92
E in 211.00

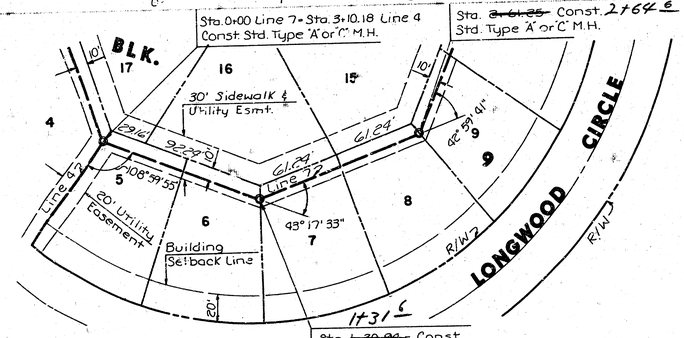
LAT. 8, MAIN 6, S.S. NO. 23 3/11
PROJ. NO. DBKL 576008
SHEET 3 OF 10 LINE NO. 1, 5 & 6

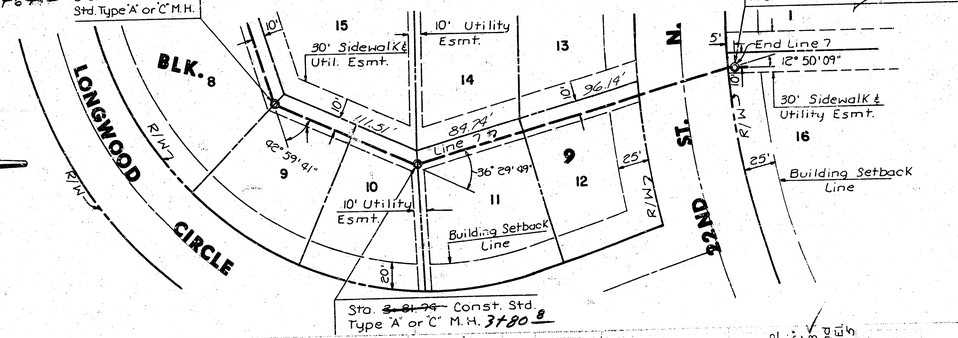


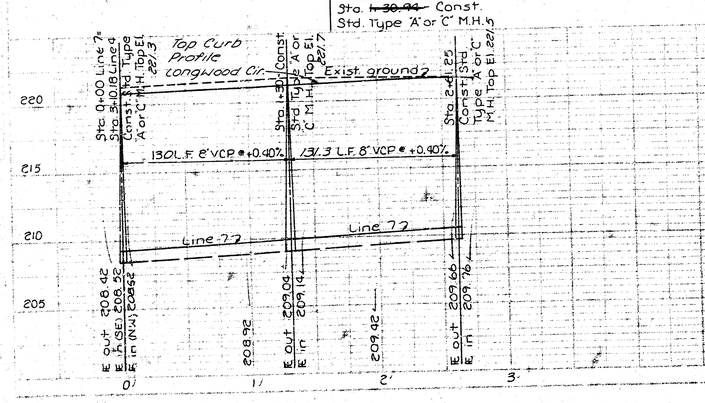


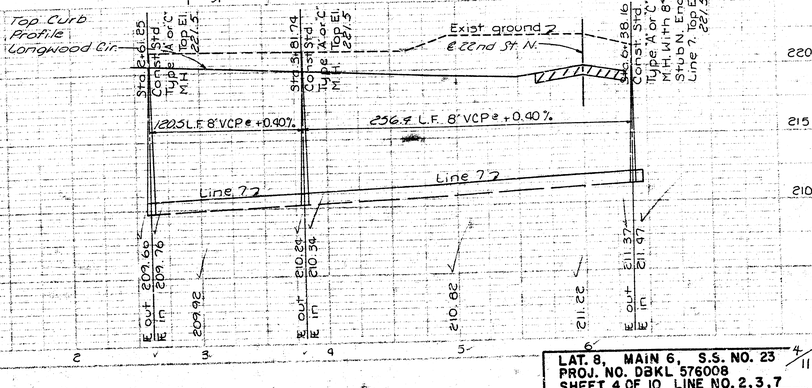




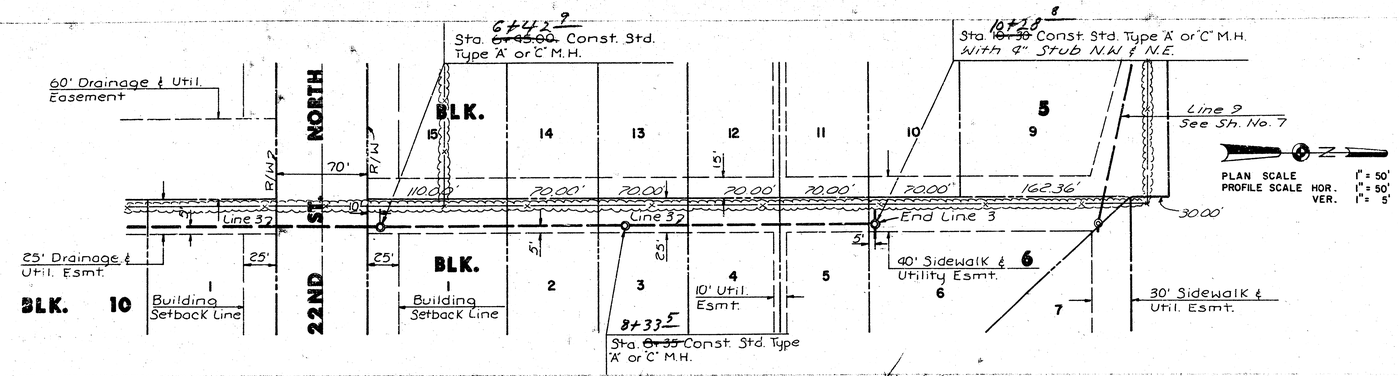


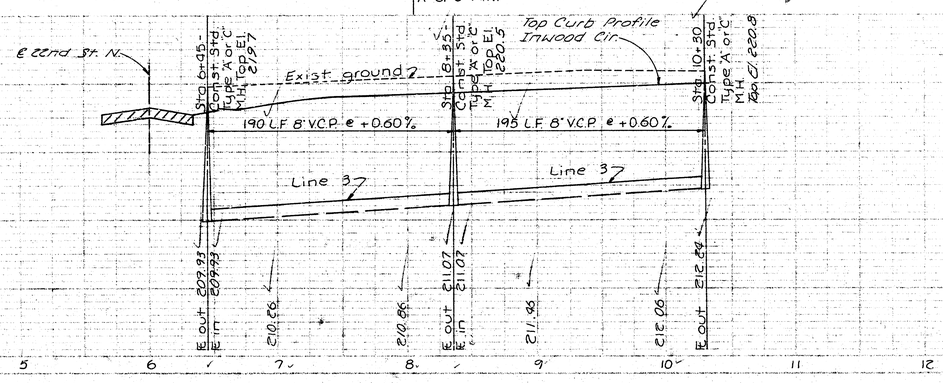






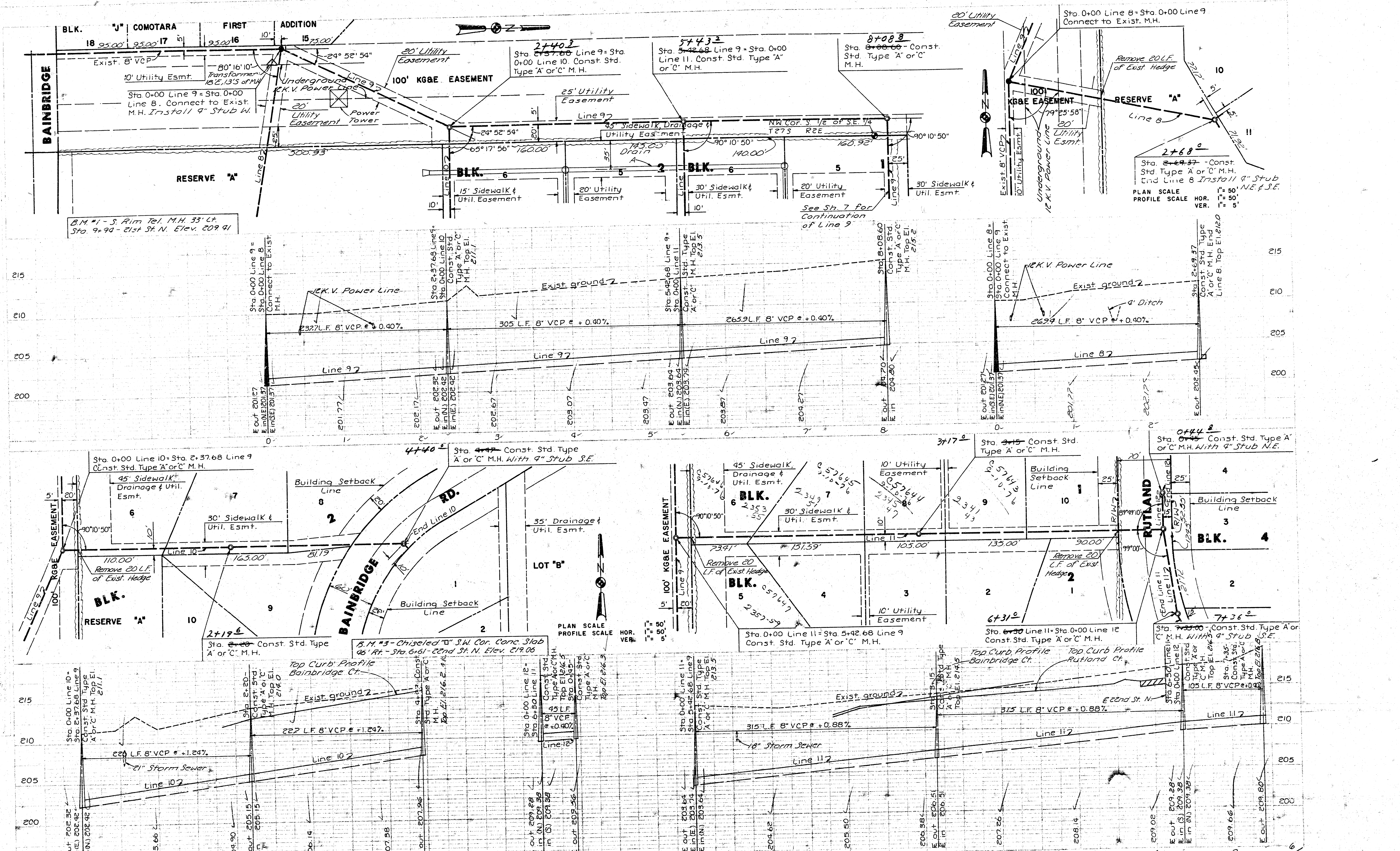
LAT. 8, MAIN 6, S.S. NO. 23 4/11
PROJ. NO. DBKL 576008
SHEET 4 OF 10 LINE NO. 2, 3, 7



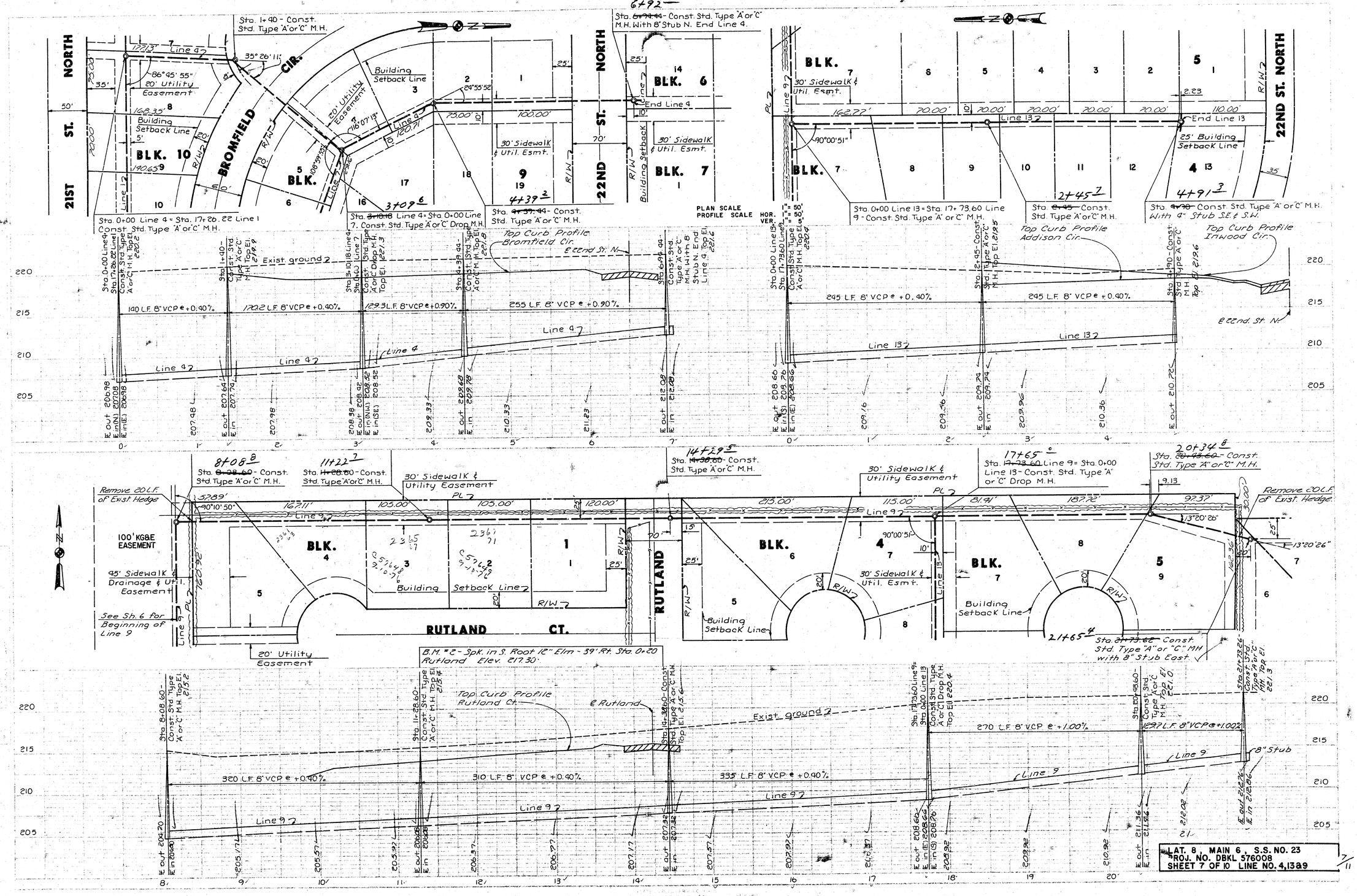


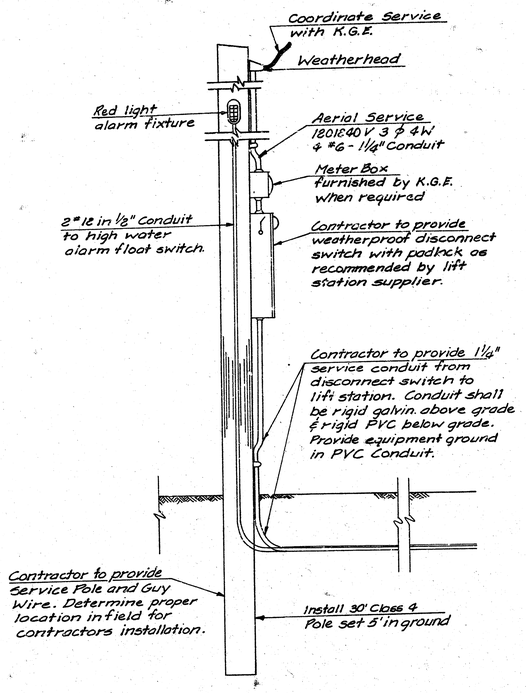
LAT. 8, MAIN 6, S.S. NO. 23
PROJ. NO. DBKL 576008
SHEET 5 OF 10 LINE NO. 3

5/11

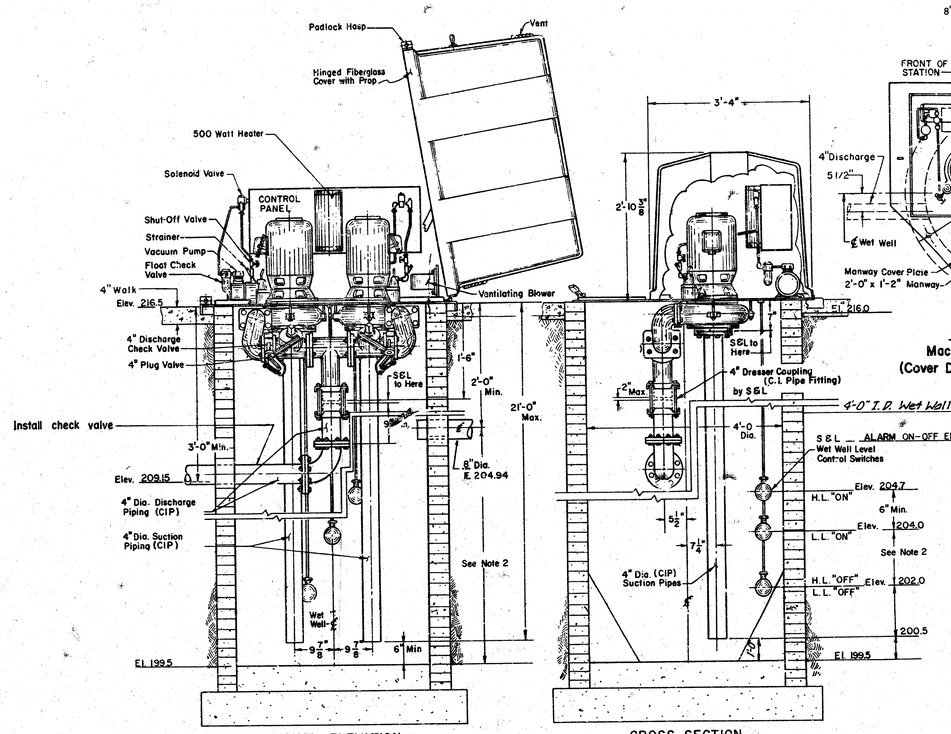


LAT. 8, MAIN 6, S.S. NO. 23
PROJ. NO. DBKL 576008
SHEET 6 OF 10 LINE NO. 8, 9, 10, 11 & 12


NORTH
21ST ST.
BROMFIELD CIR.
BLK. 10
BLK. 5
BLK. 6
BLK. 7
22ND ST. NORTH
Sta. 1+90 - Const. Std. Type 'A' or 'C' M.H.
Sta. 0+00 Line 4 = Sta. 17+26.22 Line 1 Const. Std. Type 'A' or 'C' M.H.
Sta. 3+10.18 Line 4 = Sta. 0+00 Line 7. Const. Std. Type 'A' or 'C' Drop M.H.
Sta. 4+39.44 - Const. Std. Type 'A' or 'C' M.H.
Sta. 6+94.44 - Const. Std. Type 'A' or 'C' M.H. With 8" Stub N. End Line 4.
Sta. 0+00 Line 13 = Sta. 17+73.60 Line 9 - Const. Std. Type 'A' or 'C' M.H.
Sta. 2+45 - Const. Std. Type 'A' or 'C' M.H.
Sta. 4+90 - Const Std. Type 'A' or 'C' M.H. With 4" Stub S.E. & S.W.
PLAN SCALE 1" = 50'
PROFILE SCALE HOR. 1" = 50'
VER. 1" = 5'
Top Curb Profile Bromfield Cir.
Top Curb Profile Addison Cir.
Top Curb Profile Inwood Cir.
Exist ground
Line 4
Line 7
Line 13
190 L.F. 8" VCP @ +0.90%
172.2 L.F. 8" VCP @ +0.40%
129.3 L.F. 8" VCP @ +0.90%
255 L.F. 8" VCP @ +0.90%
295 L.F. 8" VCP @ +0.40%
295 L.F. 8" VCP @ +0.40%
Remove 20 L.F. of Exist. Hedge
100' KG&E EASEMENT
45' Sidewalk & Drainage & Util. Easement
See Sh. 6 for Beginning of Line 9
20' Utility Easement
RUTLAND CT.
RUTLAND
B.M. "C" - Spk. in S. Root 12" Elm - 39' Rt. Sta. 0+20 Rutland Elev. 217.30
Sta. 8+08.60 - Const. Std. Type 'A' or 'C' M.H.
Sta. 11+28.60 - Const. Std. Type 'A' or 'C' M.H.
Sta. 14+38.60 - Const. Std. Type 'A' or 'C' M.H.
Sta. 17+73.60 Line 9 = Sta. 0+00 Line 13 - Const. Std. Type 'A' or 'C' Drop M.H.
Sta. 20+34.60 - Const. Std. Type 'A' or 'C' M.H.
320 L.F. 8" VCP @ +0.40%
310 L.F. 8" VCP @ +0.40%
335 L.F. 8" VCP @ +0.40%
270 L.F. 8" VCP @ +1.00%
237 L.F. 8" VCP @ +1.00%
Sta. 21+73.66 - Const. Std. Type "A" or "C" MH with 8" Stub East.
8" Stub
Line 9
Line 9.7
LAT. 8 , MAIN 6 , S.S. NO. 23
PROJ. NO. DBKL 576008
SHEET 7 OF 10 LINE NO. 4,13&9
7/11



SERVICE POLE



PLAN VIEW
Machinery Chamber
(Cover Deleted For Clarity)

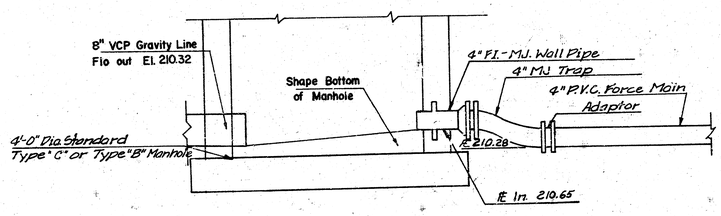
SECTIONAL ELEVATION

CROSS SECTION

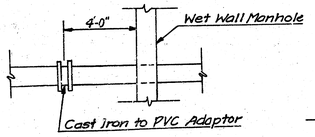
SMITH & LOVELESS LIFT STATION

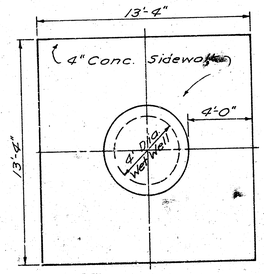
LIFT STATION DETAILS

Smith & Loveless Pump
4BE or 4BBB Pump
Impellor 54L22 -
875 RPM - 1.5 H.P.
100 GPM 10.6' Head

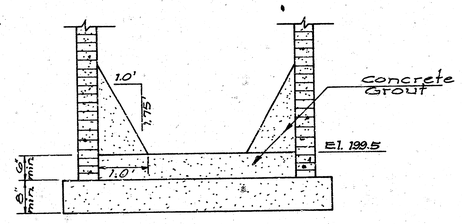


STANDARD MANHOLE WITH FORCE MAIN CONNECTION





PLAN-4" PERIMETER SIDEWALK



WET WELL BASE DETAIL
3/4" = 1'-0"

General Notes

1. Use brick manhole Type "B" for wet well.
2. Contractor to furnish padlock for Lift Station.
3. Lift Station to be furnished with power failure & high water alarm, to be connected to City of Wichita Alarm System at Maintenance Substation.
4. Lift Station to be furnished with Running Meters.

DESIGN	LAT. 8, MAIN 6, S.S.NO. 23
DR. BY	PROJ. NO. DBKL 576008
CK. BY	LIFT STATION DETAILS
DATE	
JOB NO.	

VAN DOREN-HAZARD-STALLINGS
ARCHITECTS-ENGINEERS • • WICHITA, KANSAS

SHEET 8 OF 10

SHT. 9 OF 10

SEWER APPURTENANCES

ADOPTED AS STANDARD DESIGN

BY

ENGINEERING DIVISION

CITY OF WICHITA, KANSAS

R. W. LINN CITY ENGINEER

1964

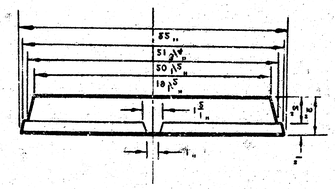
DETAILS OF

MANHOLES

MANHOLES SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD OF THE CONCRETE USED FOR MORTAR IN STANDARD MANHOLES AND DROP MANHOLES, RECARDLESS OF DIAMETER, SHALL BE BID AT ONE PRICE AS SINGLE OR DOUBLE OUTSIDE DROP MANHOLES. ALL MANHOLES WITH TYPES LABELED OTHERWISE SPECIFIED ON PLAN, ALL M.H.'S WITH PIPES 54" & SMALLER SHALL BE 4'-0" DIA. THAT 54" SHALL BE 5' DIAMETER UNLESS WITH PIPES 54" & SMALLER SHALL BE 4'-0" DIA.

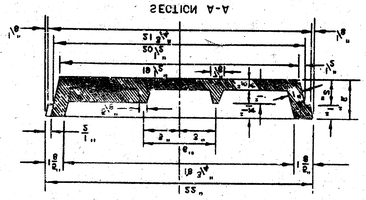
MANHOLE COVER

SIDE VIEW



MANHOLE COVER

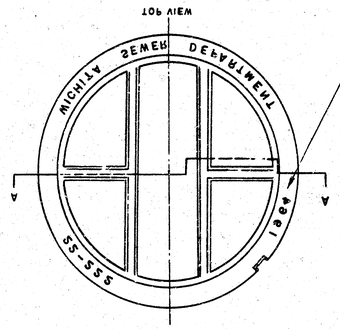
SECTION A-A



MANHOLE COVER

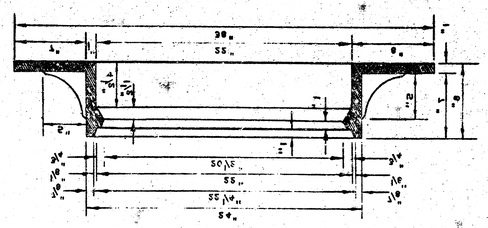
WEIGHT 110 lbs.

TOP VIEW



MANHOLE RING

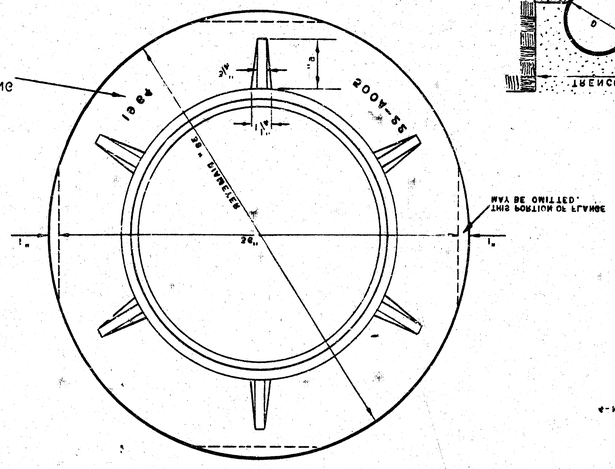
SECTION



MANHOLE RING

WEIGHT 225 lbs.

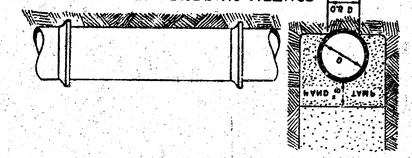
TOP VIEW



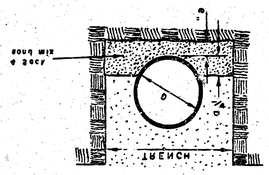
MANHOLE RING AND THE INNER FACE AND SEAT OF OUTSIDE CIRCUMFERENCE OF COVER MUST BE MACHINE FIT.

ORDINARY BEDDING METHOD

FOR REINFORCED CONCRETE PIPE

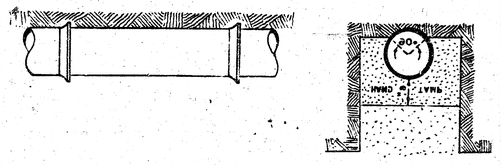


DETAIL OF CONCRETE CRADLE



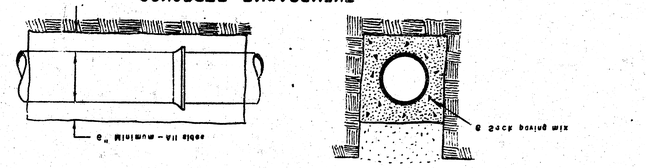
ORDINARY BEDDING METHOD

FOR CI/A PIPE



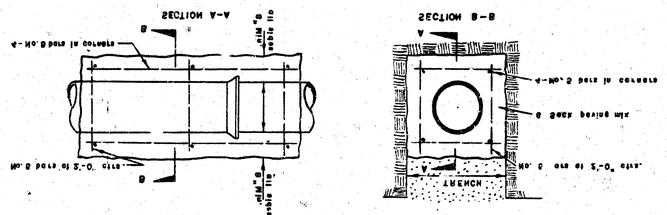
CONCRETE ENCASEMENT

FOR COVER



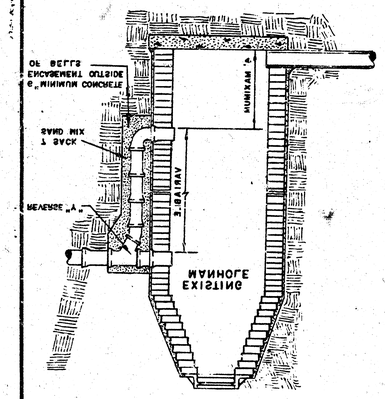
REINFORCED CONCRETE ENCASEMENT

FOR STRENGTH



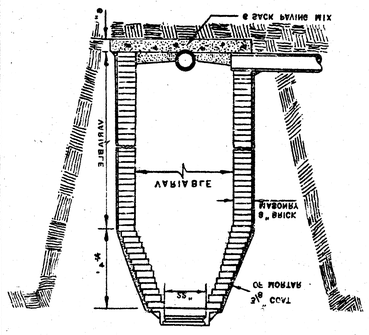
DETAIL OF DROP STACK

FOR EXISTING MANHOLES IN GROUND WATER

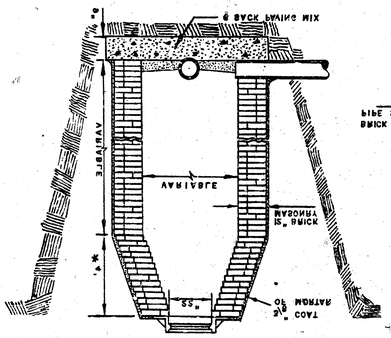


* DRAW = 6, ON 2, DIA. M.H.

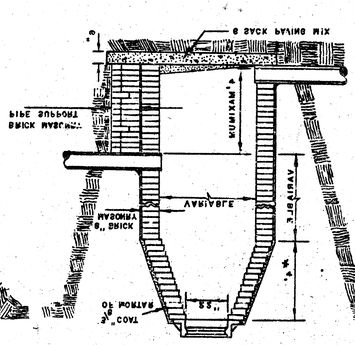
STANDARD MANHOLE TYPE "A"



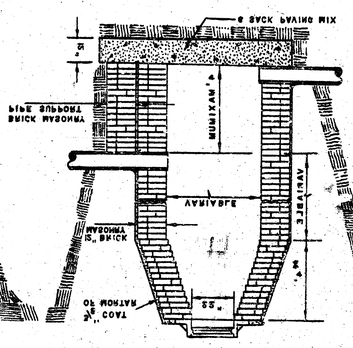
STANDARD MANHOLE TYPE "B"



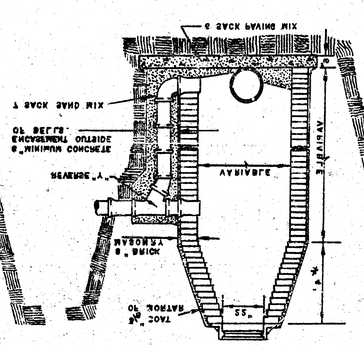
DROP MANHOLE TYPE "A"



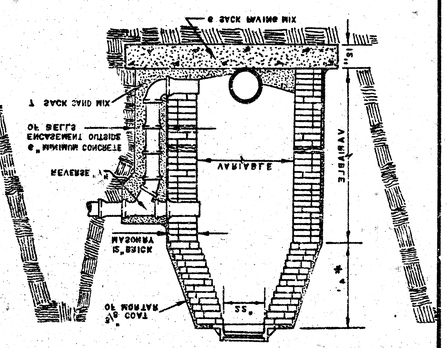
DROP MANHOLE TYPE "B"



OUTSIDE DROP MANHOLE TYPE "A"



OUTSIDE DROP MANHOLE TYPE "B"



DETAILS OF SEWER APPURTENANCES

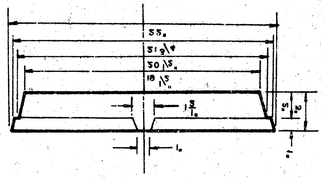
ADOPTED AS STANDARD DESIGN BY CITY OF WICHITA, KANSAS ENGINEERING DIVISION

R. W. LINN CITY ENGINEER

DATE

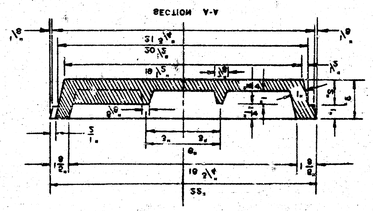
MANHOLE COVER

SIDE VIEW



MANHOLE COVER

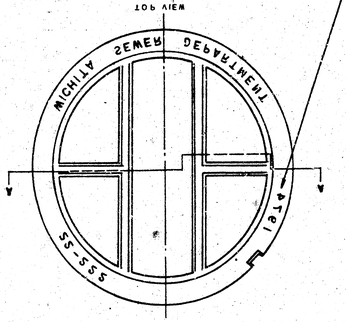
SECTION A-A



WEIGHT 110 LBS.

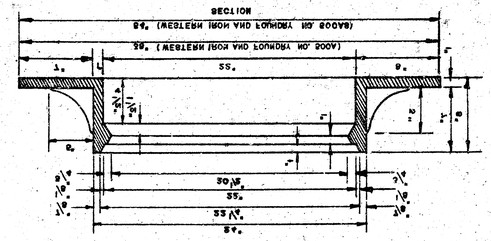
MANHOLE COVER

TOP VIEW



MANHOLE RING

SECTION

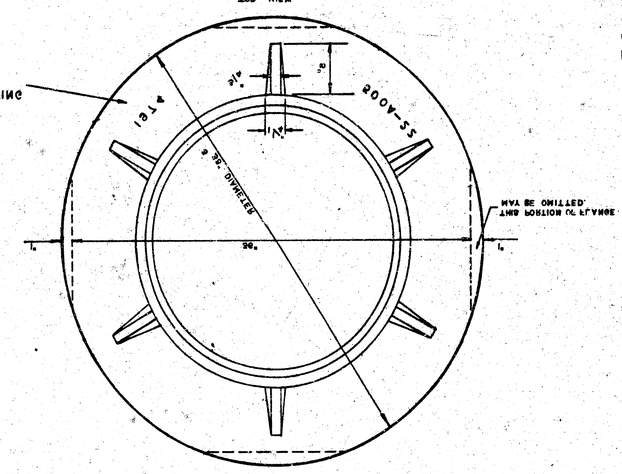


WEIGHT SOLID RING NO 2002
WEIGHT GROOVED RING NO 2002A

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

MANHOLE RING

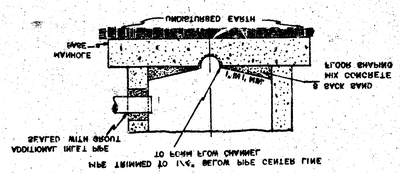
TOP VIEW



MAY BE OMITTED.
AND PORTION OF FLANGE
IS MADE
AWAY CASTING

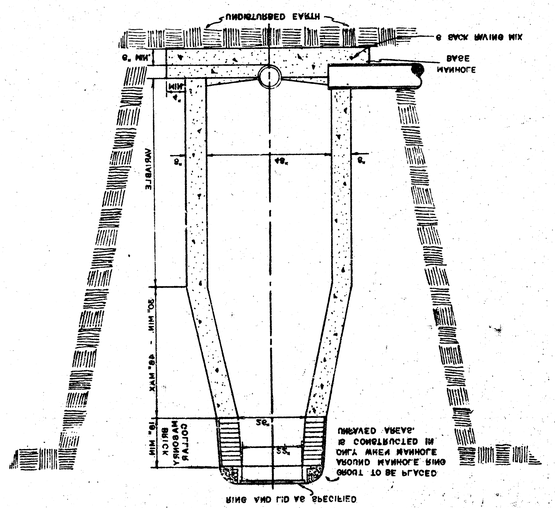
NOTE: OPENING FOR INLET PIPE
CUT IN MANHOLE WALL AND PIPE
GROUTED IN PLACE WITH NON-
SHRINKING GROUT. EXTERIOR
SEAL OF COMPLETED CONNECTION TO
BE COATING.

SECTIONAL ELEVATION-INVERT



CRETE BANDS.)
BECOME NECESSARY DUE TO THE CON-
WHICH MAY BE NECESSARY WILL NOT
OF THE MANHOLE TOP ELEVATION
IS OBVIOUS THAT SUCH ADJUSTMENT
EAS AND IN LOCATIONS WHERE IT
FORMATION OF HARDSCRABBLE SPLINE
DETERIORATION OF CONCRETE DUE TO
ONLY ON SEWERS NOT SUBJECT TO
MANHOLES MAY BE CONSTRUCTED
CAST IN PLACE CONCRETE
SAND MIX CONCRETE
HYDRAULIC EFFICIENCY USING 6 SACK
SHALL BE RAISED TO INCREASE
THE FLOORS OF ALL MANHOLES
54" SHALL BE 72" DIAMETER
WITH PIPE SIZES LARGER THAN
INDICATED OTHERWISE. MANHOLES
DIAMETERS MUST BE 4'-7" UNLESS
DIAMETER INDICATED. ALL MANHOLE
DROP MANHOLES FOR THE TYPE AND
SHALL BE BID AS STANDARD OUTSIDE
OUTSIDE DROP MANHOLES TYPE "C"
INDICATED.
HOLES FOR THE TYPE AND DIAMETER
"C" SHALL BE BID AS STANDARD MAN-
AND STANDARD DROP MANHOLES TYPE
STANDARD MANHOLES TYPE "C"
PER CUBIC YARD.
TION SHALL CONTAIN 6 SACKS OF CEMENT
MORTAR USED IN MASONRY CONSTRUC-

GENERAL NOTES



STANDARD MANHOLE, TYPE "C"

DROP MANHOLE, TYPE "C"

OUTSIDE DROP MANHOLE, TYPE "C"

RETAINING WALL DETAIL

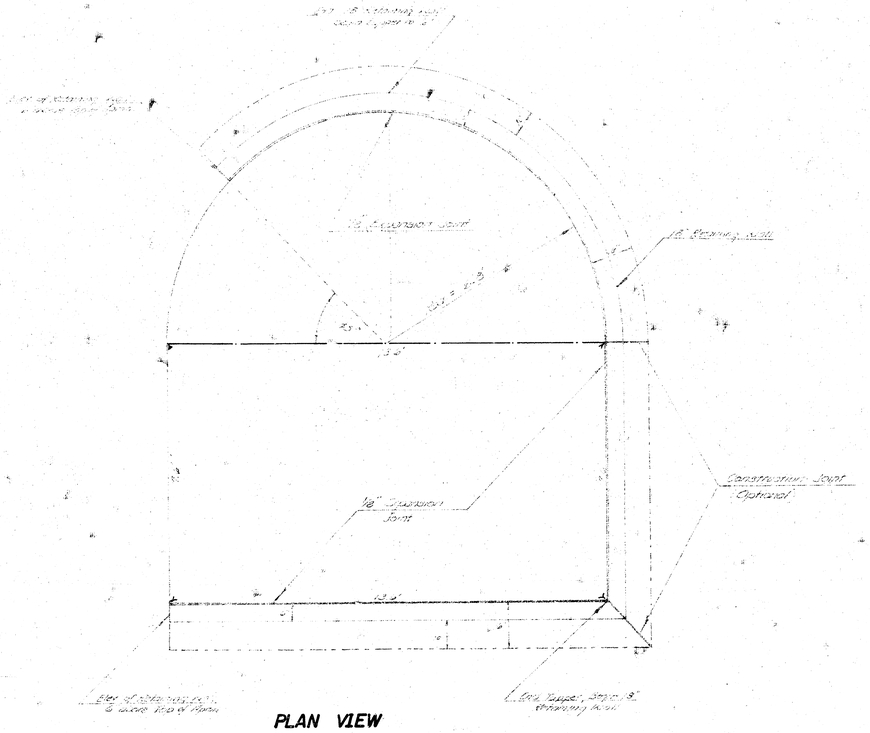
FOR

LIFT STATION at LATERAL 8, MAIN 6, SANITARY SEWER NO. 23

CITY of WICHITA, KANSAS

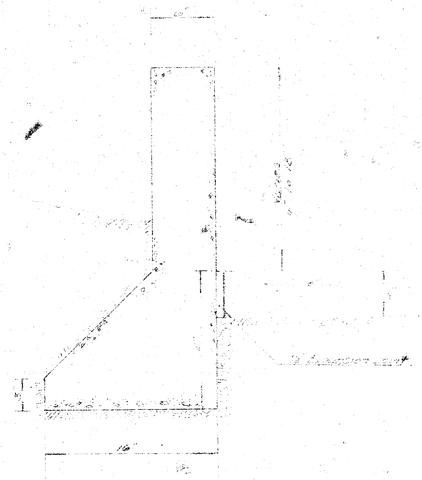
R. W. LINN ——— CITY ENGINEER

PROJECT NUMBER : DBKL576008



PLAN VIEW

SCALE 1" = 2'



SIDE VIEW

Scale 1" = 0.5'

2.5 Cubic Yards of Concrete