

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN

PLAN

Survey

Old Hwy. 8

From "E" To RR Bridge

Road Acc't. No. 77

File 103

Date Filed 11-24-1976

File Dr 13

62-677-06

FR
BW

April 30, 1974

1

LONG LAKE ROAD
[COUNTY ROAD No. 77]
(Old Highway No. 8)

from

Co. Rd "E" to Cemetery Road

Long Lake Road

$90^{\circ} 01' 30''$

$89^{\circ} 58' 30''$

$89^{\circ} 48' 30''$

5TH AVE. N. W.

Sta Point ΔL ΔR

P.O.T.

95+85.80 P.O.T.

 $92 + 47.32$

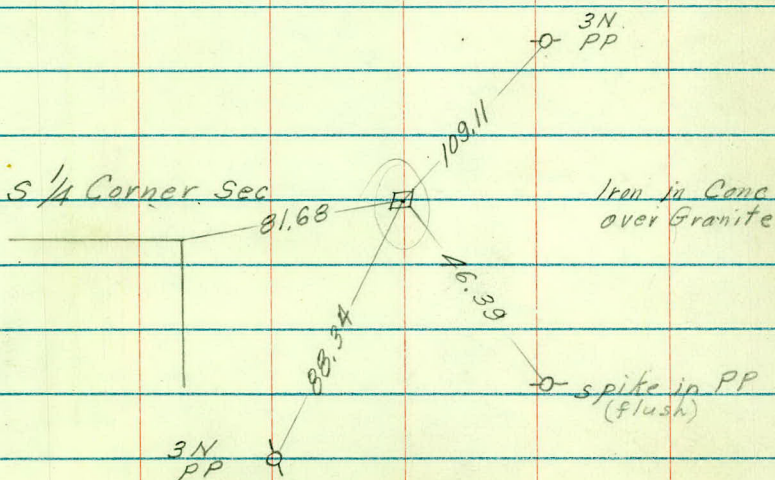
FK
BW

April 30, 1974

2

£

£ Co. Rd. "E"



Sta	Point	ΔI	ΔR
-----	-------	------------	------------

113+75.84	P.I.	0°00'30"	
-----------	------	----------	--

113+83.00	C-P.O.T.		
-----------	----------	--	--

109+72.29	C-P.O.T.		
-----------	----------	--	--

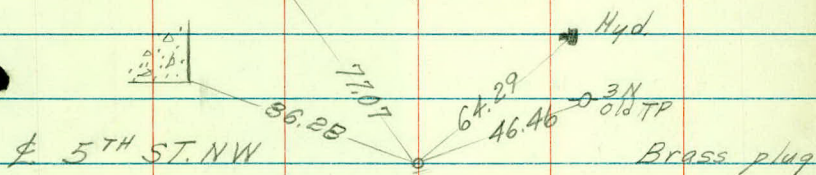
105+61.52	C-P.O.T.		
-----------	----------	--	--

104+85.31	PT	old Hwy 8	
-----------	----	-----------	--

FK
BW

April 30, 1974

3



4TH ST. N.W.

3E

1/4 1/4 Line

Sta	Point	ΔLt	ΔRt
-----	-------	-------------	-------------

~~128+45.44~~ Cal

Found Spike

128+45.18 P.I. $90^{\circ} 00' 00''$

for Curve Right
(Old Highway "B")

128+05.20 Iron Lt 33.01

95/16

127+10.04 Iron Lt 33.08

FK
KP
DS
LPD
RT
BW

April 30, 1974

4

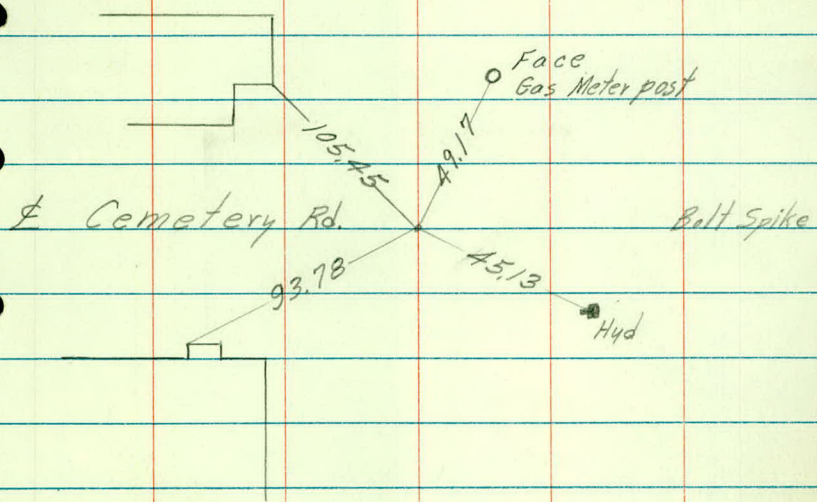
6TH ST. NW

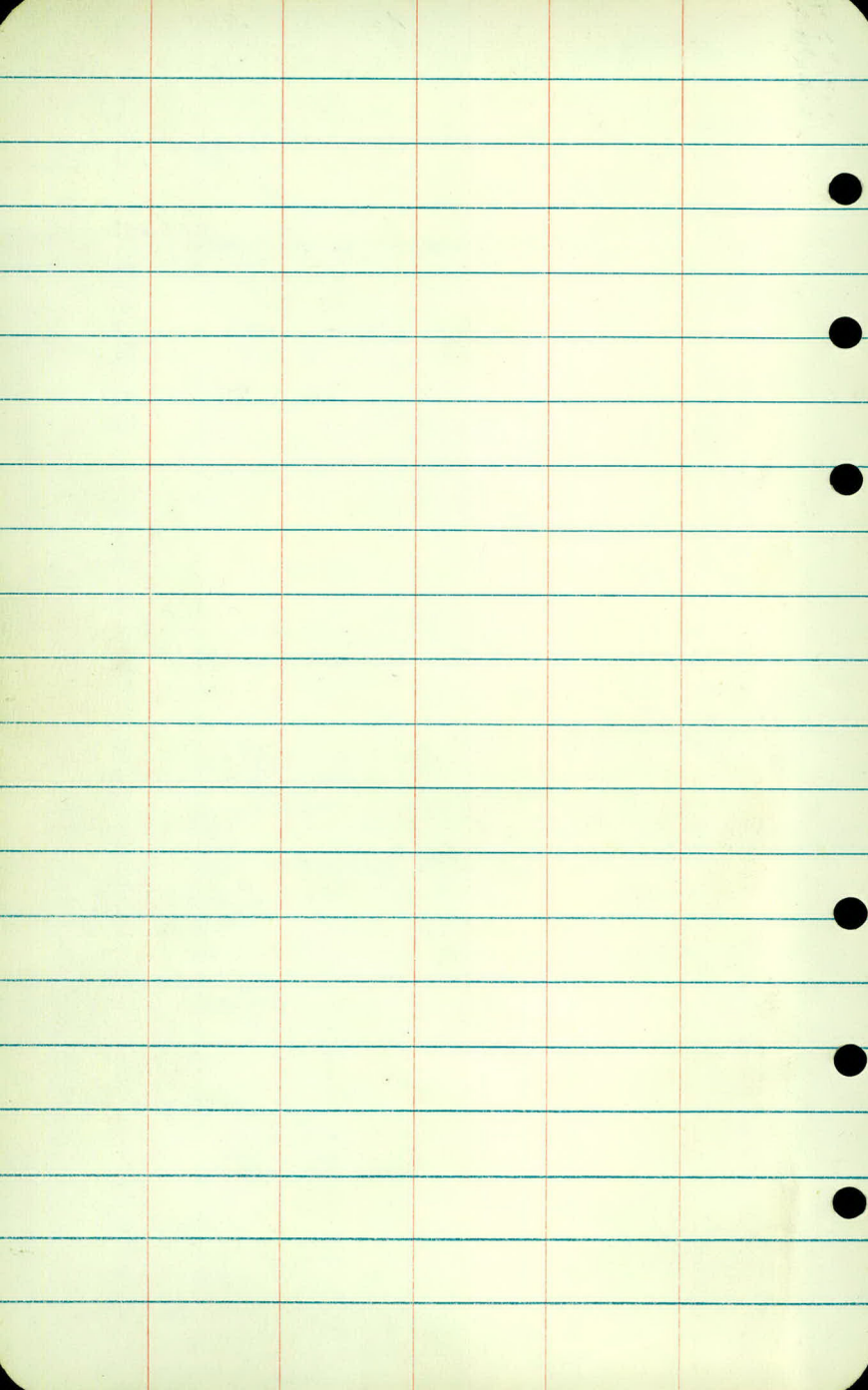
131+92.77

FX
KP
LPD
DS
RJ
BW

April 30, 1974

5





FK
DS
LPD
GA
RJ
BW

May 1, 1974

6

5TH AVE. NW.

Platted Alinement



$\frac{1}{4} \frac{1}{4}$ Cor. 7 --- 1.20' ---
1310.14 --- 1311.34 P ---

$\frac{1}{4}$ Line

$\frac{1}{4} \frac{1}{4}$ Line 100

1.20'

50+00

2 Co Rd E2

Sta Point ΔL ΔR

9+96.96 P.I.

for Old Highway B

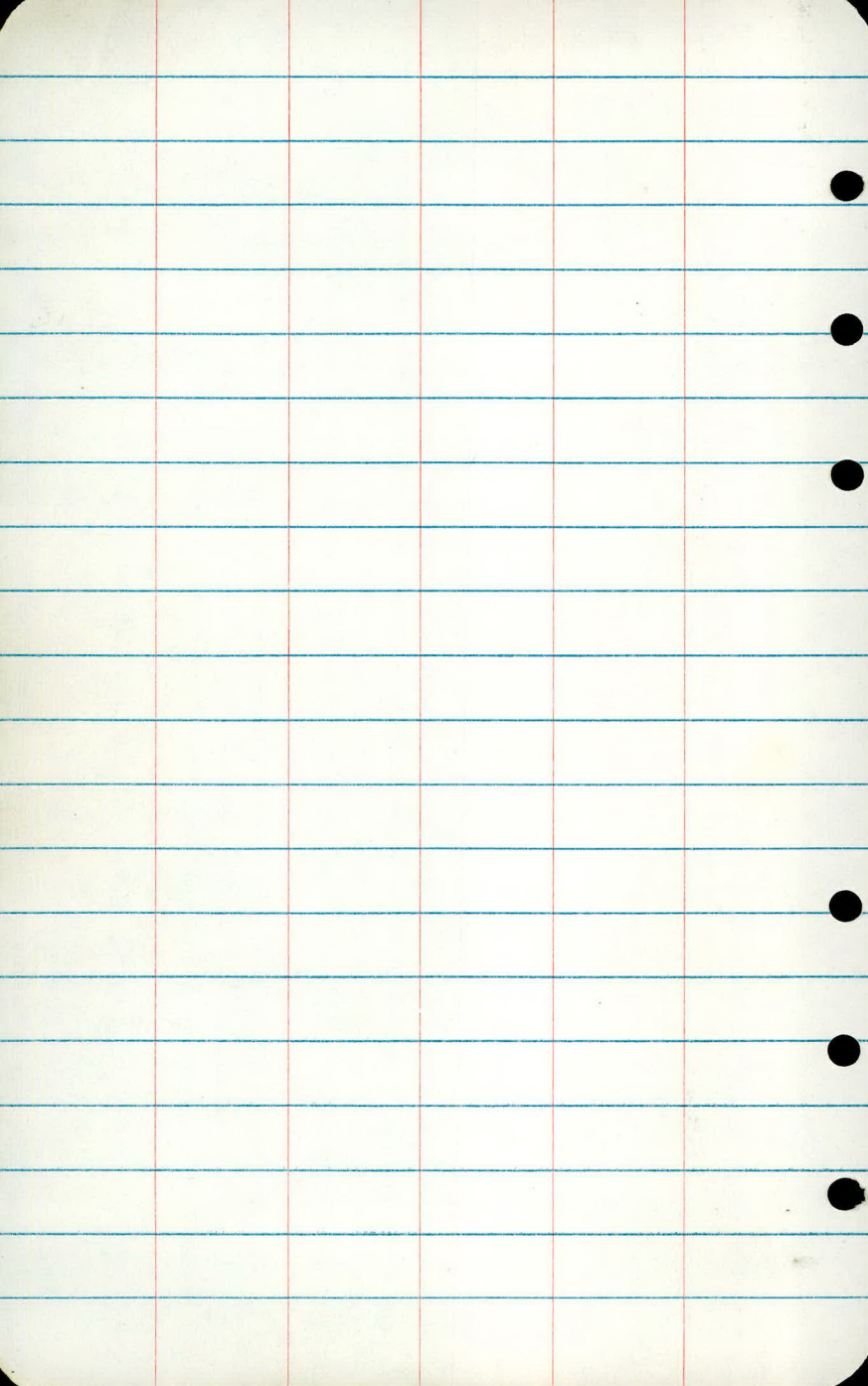
6+68.35 P.O.T

0+10.00 P.O.T.

0+00

at South side of FRONT ST

split curbs



FK
OS
LPD
RJ
GA
BW

May 1, 1974

9

OLD HIGHWAY 8

Long Lake Road to 5TH AVE. N.W.

Sta	Point	ΔL	ΔR
-----	-------	------------	------------

	+17.32 P.T.		
--	-------------	--	--

131			
-----	--	--	--

+50			
-----	--	--	--

130			
-----	--	--	--

+50			
-----	--	--	--

	$\Delta = 90^\circ$		
--	---------------------	--	--

129			
-----	--	--	--

	$\frac{1}{2}\Delta = 45^\circ$		
--	--------------------------------	--	--

+50			
-----	--	--	--

	$D = 12^\circ$ Chord		
--	----------------------	--	--

128+45.18	P.I.		
-----------	------	--	--

		90° -	
--	--	-------	--

		$T = 478.3$	
--	--	-------------	--

128			
-----	--	--	--

	$L = 750.0$		
--	-------------	--	--

+50			
-----	--	--	--

	$R = 478.4$		
--	-------------	--	--

127			
-----	--	--	--

+50			
-----	--	--	--

126			
-----	--	--	--

+50			
-----	--	--	--

125			
-----	--	--	--

+50			
-----	--	--	--

124			
-----	--	--	--

	$\frac{1}{2}$		
--	---------------	--	--

+50			
-----	--	--	--

123+67.32	P.C.		
-----------	------	--	--

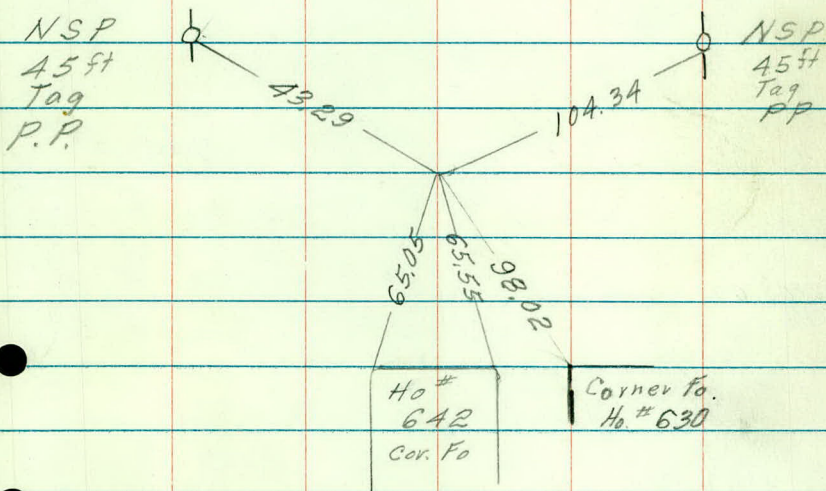
FK
GA

May 2, 1974

10

40.00

⊙ R-W
Mon.



OK

Sta	Point	ΔLt	ΔRt
-----	-------	-------------	-------------

135+86.2	P.C.		
----------	------	--	--

		Δ	
		D	
		T	
		L	
		R	

134+00.6 = 134+00.9

134+00.5

Bridge

133+00.65

11

25.94	26.12
-------	-------

25.93 26.20

Sta Point

141+51.60	P.T.	45° 04'	
+50		44° 56' 18"	
141		40° 56' 18"	
+50		36° 56' 18"	$\Delta = 90^\circ 08'$
140		32° 56' 18"	$\frac{1}{2} \Delta = 45^\circ 04'$
+50		28° 56' 18"	$D = 16^\circ 00'$ Chord
139+46.74	P.I.	90° 08'	$T = \frac{360.10}{358.47}$ old 361.3
139		24° 56' 18"	$L = 563.33$
+50		20° 56' 18"	$R = 359.3$
138		16° 56' 18"	
+50		12° 56' 18"	
137		8° 56' 18"	
+50		4° 56' 18"	
136		0° 56' 18"	
135+88.27	P.C.	0° 00'	

FK
DS
LPD
GA
RJ
BW

May 1, 1974

12

$$\begin{array}{r}
 .57.3 \\
 480 \\
 41200 \\
 7060 \quad 9.12 \\
 60 \overline{) 247200} \quad 172 \\
 \underline{720} \quad 577 \\
 72 \\
 60 \\
 120 \\
 .60 \\
 .12 \\
 72
 \end{array}$$

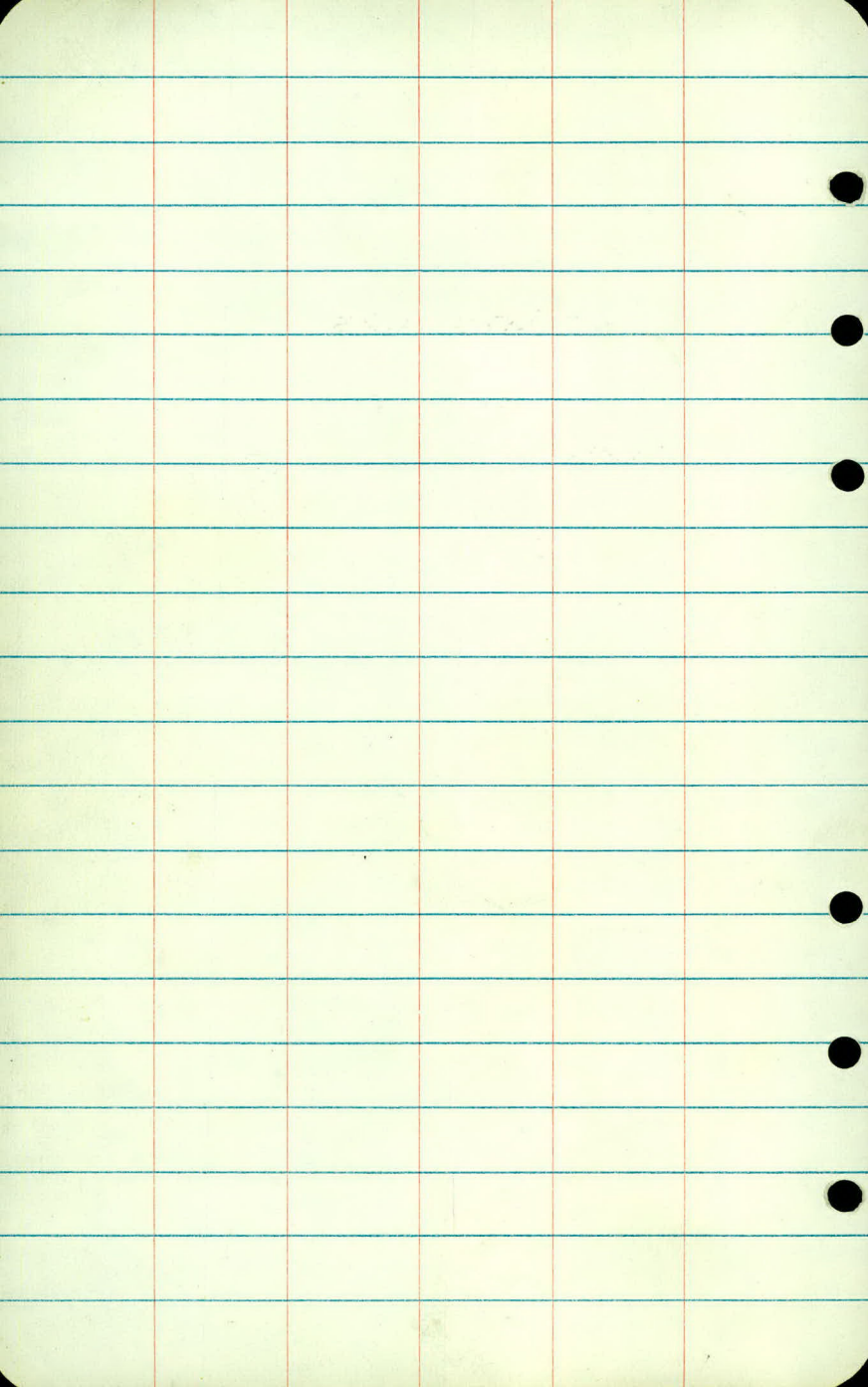
$$\begin{array}{r}
 1.5 \\
 14 \overline{) 65}
 \end{array}$$

90° 08'

$$\begin{array}{l}
 k \\
 = 9 + 96.96
 \end{array}$$

Ties Page 17

$$\begin{array}{r}
 139 + 46.74 \\
 135 + 88.27 \\
 \hline
 3 + 58.47
 \end{array}$$



OLD T.H. 8

X-1

X-SECTIONS

Long Lake Road

Co Rd "E" to Cemetery Road

Sta	+	Σ	-	F/ev.
BM	3.097	921.267		918.17
BM	1.742	919.632	3.377	917.890
BM	2.776	919.452	2.956	916.676
BM	1.260	918.537	2.175	917.277
BM			2.037	916.500
BM				914.71

101

✓

+43

✓

FK
RJ
BW

May 7, 1974
Overcast 50°

X-2

Top Hyd at Old 8 + 5th ST. N.W

Top Hyd S.E. Cor. 4th ST. N.W.

Top Hyd S.E. Cor 3rd ST N.W

Top Hyd by Horseshoe Inn

Top Hyd NW Cor 2nd ST. N.W. + Old Hwy "8"

Top Hyd NE Cor 2nd ST. N.W + Long Lake Rd

12.2	12.5	12.3	12.5	12.3	11.9	12.0	12.0
42	19	12		8	20	45	69

15.7	15.42	14.76	13.41	13.2
55	66	74	99	110

Conc →

15.45	15.7	12.1	12.3	12.4	12.1	11.87	12.0	12.0
50	39	23	12		7	18	52	60

Conc
Tell MH

14.27	13.25	12.9	10.4	10.3
65	80	89	96	100

Conc

Sta

101+75

+70

to

+88

13' Lt

6' Rt

} underground

✓

102

✓

+35

✓

FK
RJ
BW

Lt

L

May 7, 1974

Rt

X-3

1547 158 132 126 126 123 120 119 118
(38 28 21 13 7 25 46 67

Conc

→ 1428 1326 128 102 105 132 135
53 67 77 83 88 94 100

Same

May 8, 1974
Overcast 47°

1430 1544 156 133 132 129 126 120 119
(43 29 24 13 5 7 26 54

→ 1323 132 99 99 120 125
57 67 73 78 83 85

119
77

1324 1434 1543 151 145 143 138 131 121
(47 34 20 13 5 7 23 31

→ 132 096 100 118
57 65 70 77

118 119
81 58

Sta

102+70

✓

103

✓

+40 ± Ent Lt

FX
KP
DS
LPD
BW
RJ

LT

May 8, 1974

RT

X.4

12.1 12.5 14.18 15.43 15.4 15.3 15.3 12.2 11.8
(49 39 26 10 3 10 20 36

10.0 9.9 11.2
55 61 67

11.8 11.6
82 56

13.6 13.8 14.27 15.48 15.5 15.6 12.8 11.7 11.6
43 33 19 5 8 17 25 37

10.5 10.2 11.5
50 56 61

11.8 11.8
91 70

13.3 13.7 13.25 14.37 15.14 15.35 15.3 13.8 11.9
52 33 25 11 3 12 19 29

13.3 13.5
76 100

11.7 11.9
75 52

Sta

103 + 71

✓

104

✓

+ 50

105

✓

FH
 HP
 LPD
 SS
 RJ
 BW

Lt

May 8, 1974
 Lt

Rt

X-5

13.1 14.0 13.26 14.27 15.04 15.53 15.3 13.2 12.4
 41 32 23 9 7 15 23 34

conc

12.5 12.8
 61 75

12.2 12.9
 60 46
 Pls

13.6 13.8 13.9 13.26 14.74 15.53 15.6 12.5
 63 40 28 19 10 19 28

13.6
 75

12.9 12.0
 63 42

14.1 14.6 14.7 14.4 13.46 14.51 15.45 15.3 12.4 11.8 11.7
 75 58 39 25 16 12 20 30 47 68

15.7 14.3 14.8 13.72 14.46 15.20 14.9 12.8 12.2
 43 31 23 13 13.5 22 32 54

15.2 14.7
 60 75

12.0
 67

Sta

105+33

+66

± Ent Rt

106 Good for Ent Lt Profile

+50

Ent Rt

107

+50

FX
KP
LPD
PS
RJ
BW

Lt

L

May 8, 1974

BT

X-6

14.3

15.3	15.1	14.8	14.24	13.91	14.43	15.04	14.5	14.6	15.1	14.7
75	52	35	25	13.5	12	13.5	22	33	49	70

14.5	14.9	15.3	14.7	14.45	14.16	14.48	14.87	14.6	14.3	13.9
75	62	43	30	13.5	12	13.5	23	43	65	

14.3	15.0	15.0	14.62	14.32	14.51	14.76	14.7	14.8	14.68	14.65
75	50	31	13.5	12	13.5	33	40	51	61	

conc (8169)
62

?

14.1	13.9	14.4	15.3	14.73	14.44	14.52	14.58	14.6	13.8	13.4	13.1
62	44	28	23	13.5	12	13.5	21	38	55	75	

13.5	13.8	14.0	15.0	14.49	14.67	14.45	13.8	13.3	13.3	13.3
75	58	35	24	13.5	13.5	23	43	67	75	

13.1	13.1	13.7	15.1	14.51	14.69	14.50	14.2	14.0	12.8	13.2
75	61	36	25	13.5	13.5	21	28	34	45	

13.0 13.1
75 65

Sta

108 Ent Lt

+50 in Ent Rt

109

+50

✓

+61 Shoulder

FX
KP
DS
LPP
RJ
BW

May 8, 1974

11

BT

X-7

13.7 14.0 14.5 14.58 14.75 14.56 14.3 13.9 13.1 13.0 13.0
75 52 34 13.5 13.5 21 27 31 40 60

13.6 13.7 14.5 14.63 14.77 14.61 14.3 13.1 12.7 12.4 12.9
75 48 31 13.5 13.5 20 38 60 75 75

11.5 11.6 12.3 14.3 14.69 14.84 14.61 14.2 13.8 12.8 12.4 12.2
75 57 38 28 13.5 13.5 23 27 31 50 75

10.9 11.6 13.1 14.4 14.73 14.86 14.67 14.3 11.8 12.3 12.7
75 66 51 32 13.5 13.5 26 30 36 44

12.05 12.3 12.4
94 75 61
8/09

13.3 13.4 14.3 14.73 14.88 14.67 14.3 12.6 13.1
75 66 42 13.5 13.5 25 29 35

12.1 12.4
75 57

109+70 £ 3RD ST NW

✓

+ 81

110

12.5 12.8
87 75
£
Ent

+27

✓

Lt

May 8

Rt

X-8

13.7	14.2	15.02	14.66	14.86	14.64	14.2	12.5	13.1
75	52	26	135		13.5	26	29	35

TCAA
MH

13.5	13.7	14.3
100	150	200

11.9	12.3
75	56

13.3	13.8	14.3	14.70	14.92	14.71	14.4	13.2	12.3	12.0
75	65	38	13.5		13.5	21	42	61	75

12.8	13.86	13.86	13.9	14.24	14.97	14.77	14.4	13.7	12.8	12.5
61	51	42	28	13.5		13.5	22	39	56	75

Conc

12.1	11.8	12.5	14.7	14.73	14.96	14.74	14.4	13.8	13.16
75	53	32	26	13.5		13.5	20	38	43

Conc

13.27	13.16
93	60

conc

Sta

110+50

✓

111

22

✓

+22

✓

FK
LPD
KP
DS
BW
RJ

May 8, 1974

6+

RT

x-9

12.1	11.7	11.5	14.8	14.79	15.00	14.78	14.4	12.0	12.2	13.0
75	52	38	25	13.5		13.5	26	32	37	38

13.43	13.29	13.06	13.56
92	66	41	41
conc			Curb

11.7	11.9	14.8	14.86	15.05	14.83	14.1	13.51	13.16
51	37	26	13.5		13.5	29	40	59
							conc	

→ 11.9
75

13.37	13.30
95	77

11.7	12.0	14.7	14.89	15.07	14.88	14.2	13.40	13.15
53	39	27	13.5		13.5	24	41	59
							conc	

→ 12.0
75

13.38	13.28
98	77

Sta

111+50

112

+50

113

+26

Ent Rt.

+50

SD 23.5' Rt
(Deep)

915.20

+66

1

BM

917.87

917.89

FX
XP
DS
LPP
RT
BW

Lt

± May 8, 1974

RT

X-10

12.2	12.1	12.3	14.6	14.93	15.11	14.92	14.2	13.5	13.4	13.5
75	58	37	26	13.5		13.5	23	43	68	91
8169										

12.3	12.3	13.0	14.7	15.04	15.25	14.99	14.5	13.6	13.3
75	53	33	26	13.5		13.5	28	55	76

12.5	12.5	12.8	14.9	15.19	15.38	15.07	14.4	13.2	13.4	13.1	13.0
75	57	36	26	13.5		13.5	26	33	41	60	76

12.9	12.9	13.0	15.1	15.35	15.55	15.28	14.8	13.8	13.8	13.4	13.0
75	58	37	26	13.5		13.5	26	34	44	62	76

13.0	13.4	13.5	15.4	15.45	15.63	15.38	15.1	14.6	13.5	12.6	11.0
67	55	37	26	13.5		13.5	26	40	59	75	100

14.43	14.7	14.63	15.2	15.53	15.76	15.55	15.3	15.4	15.2
88	61	36	28	13.5		13.5	28	46	75
CB		CB							

Sta

113+81 $\pm$ 4TH ST NW

15.5 15.4
200 150

+93

Gutter Line

+95

W. G. V 43' Lt

114+08

UGTC 38' Lt

✓

+36

$\pm$ Ent Rt

15.9
75

+55

FK
KP
DS
LPP
BW
RJ

14

May 8, 1974

Rt

X-11

15.2	15.3	15.5	15.5	15.63	15.85	15.61	15.3	15.1	15.2	14.4
100	75	55	31	13.5		13.5	25	48	73	90
										8169

14.65	15.3	15.51	15.70	15.87	15.69	15.6	14.6	14.8	15.1	15.4
88	53	31	13.5		13.5	27	34	40	66	90
CB		MH								8169

15.9	16.2	16.3	15.6	15.78	15.95	15.73	15.6	15.7	14.5
25	58	40	33	13.5		13.5	21	28	33
Parking Lot									

15.2	15.0	15.0
79	53	35

16.1	16.4	16.6	16.0	15.84	16.05	15.88	15.6	15.2	15.2
58	42	39	29	13.5		13.5	26	50	75

16.6	17.1	16.8	16.1	15.94	16.13	15.94	15.8	14.7	15.4
41	41	40	28	13.5		13.5	28	33	36
Curb									

16.4	16.0
58	75

15.4	15.2
81	62

Sta

115

✓

+50 Ent Rt

116

+09 C.B. 30' Lt

915.80

+33 Ent Rt + Lt

+59

FD
KD
PS
LPP
RJ
BW

21

2

May 8, 1974

RT X-12

16.7 16.6 17.1 16.2 16.06 16.21 16.07 15.9 14.8 15.2 15.5
60 42 41 28 13.5 13.5 25 30 34 39

Curb

16.5
75

17.12 16.4 16.0 15.2
Walk 75 64 40
104

16.6 16.7 16.6 17.1 16.4 16.15 16.29 16.12 16.0 15.4 16.1 16.8
75 58 42 41 28 13.5 13.5 22 37 63 87

17.0 16.9 16.9 17.4 16.4 16.18 16.35 16.21 15.8 15.2 15.9 16.4
75 61 43 42 27 13.5 13.5 29 36 56 79

17.1 16.8 16.5 16.24 16.41 16.27 16.0 15.8 16.1 16.80
75 55 35 13.5 13.5 23 44 74 74
Walk

17.1 17.0 16.7 16.24 16.37 16.18 16.3 16.7 14.4
75 53 33 13.5 13.5 22 23 29

16.66
78
Gara 90 73 56 34
f/oor

Sta

11721

39

78

+21 Ent R + Lt

+59

18.48
100

✓

+28

✓

FA
LPD
KP
DS
RJ
BW

Lt

May 8, 1974
£

Rt

X-13

12.5	17.3	12.1	16.20	16.36	16.22	16.1	16.0	16.0	15.8
75	60	38	13.5		13.5	25	46	69	82

17.6	17.2	16.5	16.20	16.45	16.29	16.1	16.1	16.6	16.6
75	58	38	13.5		13.5	26	45	69	72

Bldg

18.18	17.68	17.22	16.6	16.22	16.34	16.17	16.2	16.5	16.2
85	63	41	32	13.5		13.5	21	21	32
Conc							C	C	

16.8	16.4	16.0	15.8
73	69	51	6
Bldg			33

17.66	17.08	16.4	16.18	16.32	16.15	16.1	16.5	16.1	15.7
63	41	31	13.5		13.5	21	22	31	32
Conc						C	C	C	G

18.22	18.41
86	100

16.74	16.37	15.9
80	70	52

Sta

118

+17 Ent Rt & Lt

+54 Gutter Line

+57 Rt 29' MH

915.57

✓

+76 $\pm$ 5TH ST NVD

+98 Gutter Line

119+06 36 Rt top MH

915.52

Lt

May 8, 1974

RT

X-14

17.5	16.9	16.2	16.16	16.31	16.11	15.9	15.4	15.4	15.6
75	55	35	13.5		13.5	23	37	49	72
									Bldg

17.2	16.6	16.1	16.12	16.26	16.08	15.8	15.1	14.5	14.0
75	55	35	13.5		13.5	26	45	66	90

16.27	15.84	15.18	16.06	16.18	16.02	15.5	15.55	15.04
C	G	31	13.5		13.5	29	42	
43		CB					C	G

15.95	16.05	16.01		14.99	14.48	15.40	14.80
G	C	G		C	G	51	CB
66		75		75		C	51

17.3	16.8	16.3	16.1	16.00	16.17	15.98	15.7	15.3	14.4	13.0
150	100	57	35	13.5		13.5	30	52	100	150

16.24	15.83	15.64	15.95	16.12	15.94	15.00	15.50	14.67	15.15
C	G	31	13.5		13.5	G	C	G	C
42		CB				43		66	

15.95	16.06	16.00	16.14		14.91	14.41
G	C	G	Ent		C	G
66		75			76	

Sta

119+42 Ent Lt

+70 MH 23' Lt TCAA 6.05

+88

120

+50

+80 CB 14.5' Lt

121

+50

KP
 DS
 LPO
 RJ
 BW

Lt

L

May 8, 1974

Rt

X-15

16.97	16.80	16.72	16.3	15.84	16.04	15.79	15.9	15.0	15.7	16.2
79	56	41	29	135		13.5	24	29	46	64

Conc

17.01	16.82	16.71	15.9	15.62	15.89	15.55	15.7	15.8	15.6	15.8
79	56	41	29	135		13.5	24	33	49	75

Conc

17.0	16.7	16.1	15.65	15.89	15.61	15.7	15.7	15.7	15.8
75	54	35	13.5		13.5	24	39	59	75

16.4	16.1	15.9	15.45	15.80	15.47	15.6	15.6	15.9	16.1
75	51	32	13.5		13.5	24	37	62	75

16.6	16.1	15.5	15.18	15.60	15.26	15.5	16.0	16.3
75	55	35	13.5		13.5	28	52	75

16.6	16.1	15.7	15.28	15.52	15.26	15.1	15.3	15.3
75	56	32	13.5		13.5	25	50	69

Sta

122

✓

+50

✓

+84

123

FA
KP
DS
LPP
RJ
BW

Lt.

L

May 8, 1974

8+

X-16

16.61 16.44 15.9 15.40 15.45 15.32 15.50 15.6 14.6
75 62 35 135 13 14 23 26

Conc

15.4 15.7 15.4 13.3
72 53 42 33

16.2 16.0 15.51 15.28 15.05 15.28 15.4 13.8
57 37 13.5 13 14 23 29

15.48 15.40 15.31 15.4
99 81 62 43

Conc

17.41 17.0 16.4 15.9 15.60 15.21 14.84 15.10 14.8 14.8 15.2
Wglt 75 58 37 135 13 14 25 47 72
82

17.38 16.9 16.5 16.0 15.67 15.19 14.70 14.97 14.7 14.4
Wglt 75 60 38 135 13 14 24 40
82

14.4 14.3
75 62

123+18

64

✓

+64

BM

Top Hyd NW
918.05 Cor 6th St NW

124

32

52

✓

+32

FK
HP
DS
LPP
RJ
BW

1t.

May 8, 1974

Rt

x-17

16.9 16.3 15.73 15.68 15.14 14.53 14.87 15.0 13.3
69 43 30 13.5 13 14 22 27
SD

Track

14.8 14.5 14.6 14.6
75 67 47 32

17.99 17.4 17.0 16.1 15.86 15.05 14.15 14.2 14.3 14.4 14.4
80 75 64 38 13.5 14 27 46 67 75
Walk

17.1 16.4 15.6 15.97 15.10 13.92 14.11 14.4 12.1
75 51 32 12 16 17 25 33

14.4 14.3 15.1 15.2 14.0
75 57 54 49 37

6.1 16.73 16.4 16.00 15.33 13.64 14.2 12.3 14.6
35 35 25 9 20 29 36 51
G C

16.60 16.91 17.16 17.27
46 56 69 76
conc

14.3 14.0
75 58

Sta

124+52

+56

MH 54' Rt

9/4.04

✓

+69

MH 21' Lt

9/5.99

125

✓

+19

Gutter Line Lt

Lt

L

Rt

X-18

16.16 16.72 16.1 15.96 15.53 13.60 13.9 13.8
 33 33 24 5 24 47 75
 G C

16.60 16.81 17.23
 45 55 75

16.8 16.3 16.76 16.0 15.7 15.9 15.74 13.51 13.6 12.8
 60 32 32 26 24 5 33 45 51
 Curb

16.9
 76

13.5 13.2
 75 57

16.30 15.86 15.6 15.8 15.69 13.40 13.7 12.4
 C G 26 12 41 53 56
 43

16.17 16.28 16.35 16.80
 G C G C
 66 85

13.2 13.0
 75 64

Sta

125+33 Profile

✓

+48 Gutter Line

1674 1633
C G
82

(918.05)

+73

126

+34 Wall Lt.

FK
DS
KP
LPD
RJ
BW

1+

May 8, 1974

Rt

X-19

16.8 16.5 16.2 15.29 15.7 15.66 13.39 13.7 12.0
100 78 53 25 15 43 54 60
MH Conc

132 131
75 65

16.58 16.15 16.33 15.93 15.2 15.4 15.61 13.31 13.5 13.3
C G C G 22 26 52 68 75
65 42

FK
RJ
BW

May 9, 1974

18.6 18.0 17.1 15.8 14.9 14.9 14.7 15.56 13.22 13.2
72 60 40 20 17 16 33 67 78
Conc.

18.8 17.0 15.2 14.8 14.6 14.3 15.6 15.43 13.11
63 39 21 17 16 26 46 77
Apt Blog Conc

14.2 16.9 14.2 15.3 13.9 14.2 13.6 14.6 15.5 15.33
B T B 32 17 16 24 50 66
46 32 T

12.8 14.4
13 B

14.74
95

Sta

126+63

+82 Edge Parking Lt

127

+27 ~~E~~ End - S. Edge Conc

+50

BM

913.42

128

FK
RJ
BW

Lt

May 9, 1974

Rt.

X-20

14.1 14.0 13.8 13.4 13.8 13.2 14.3 14.4 15.3 15.2
75 57 34 17 16 24 46 66 75

14.3 14.0 13.8 13.5 13.1 13.4 12.9 13.2 13.5 14.5 14.8
75 62 51 35 18 15 32 50 66 75

12.4 12.6 12.5 12.7 13.1 12.7 12.7 13.5 14.0 14.2
75 54 36 18 15 30 52 67 75

12.67 12.45 12.18 12.2 12.6 12.3 12.5 13.4 13.8 13.4
75 51 33 18 16 34 39 56 75
Conc.

12.70 12.2 11.7 12.1 11.9 12.6 11.5 11.2 10.4
53 31 18 16 21 36 52 75

Top S.E. Corner 1st Stop Front No. 630 Long Lake Rd.

10.9 11.1 10.7 11.2 11.0 11.2 11.3 11.6 11.7 09.6 07.8
58 45 30 18 18 14 15 18 28 41

10.5
75

06.9 07.0
75 58

Sta

128+17 $\pm$ Ent Lt

✓

+50

✓

+76 $\pm$ Ent Lt

FK
RJ
BW

11.

May 9, 1974
£

RH. X-21

10.3 10.5 11.0 10.8 11.0 11.0 11.3 11.4 09.1
56 38 20 18 14 15 17 26

→ 10.2
75

06.9 07.2 07.6
75 57 41

09.2 10.1 10.6 10.4 10.5 10.4 10.8 10.7 07.9
27 24 19 18 14 15 17 24

→ 09.8 09.8 09.8
41 53 64
House

06.8 07.1 07.3
75 56 43

09.3 09.5 10.2 10.1 10.1 09.7 10.0 09.9 07.1
40 30 17 16 15 15 18 28

→ 09.4 09.2
57 75

06.7 07.0 06.9
75 59 45

Sta

129

+37 $\pm E_n + L_4$

+ 67

✓

BM

910.01

FK
RJ
BW

14

May 9, 1974
L

Rt

X-22

08.5 09.7 09.8 09.6 09.8 09.3 09.6 07.7 06.6
(30 21 18 17 15 16 26 39)

→ 09.1 09.42 09.5 06.5 06.7
43 55 64 75 56
Ho

09.2 09.0 09.3 09.1 09.3 08.9 09.2 09.0 06.4
(44 29 18 17 15 16 19 28)

→ 09.2 09.2 06.0 06.4 06.5
57 75 75 57 43

07.5 08.70 09.1 08.9 09.0 08.6 08.9 08.6 07.2
27 22 16 15 15 16 20 24
MH
TCAA

08.6 09.4 09.50² Ho 06.1 06.3 06.5
33 44 54 62 75 57 42

Sta

130

School Ent. Rt.



FH
RJ
BW

14

May 9, 1974

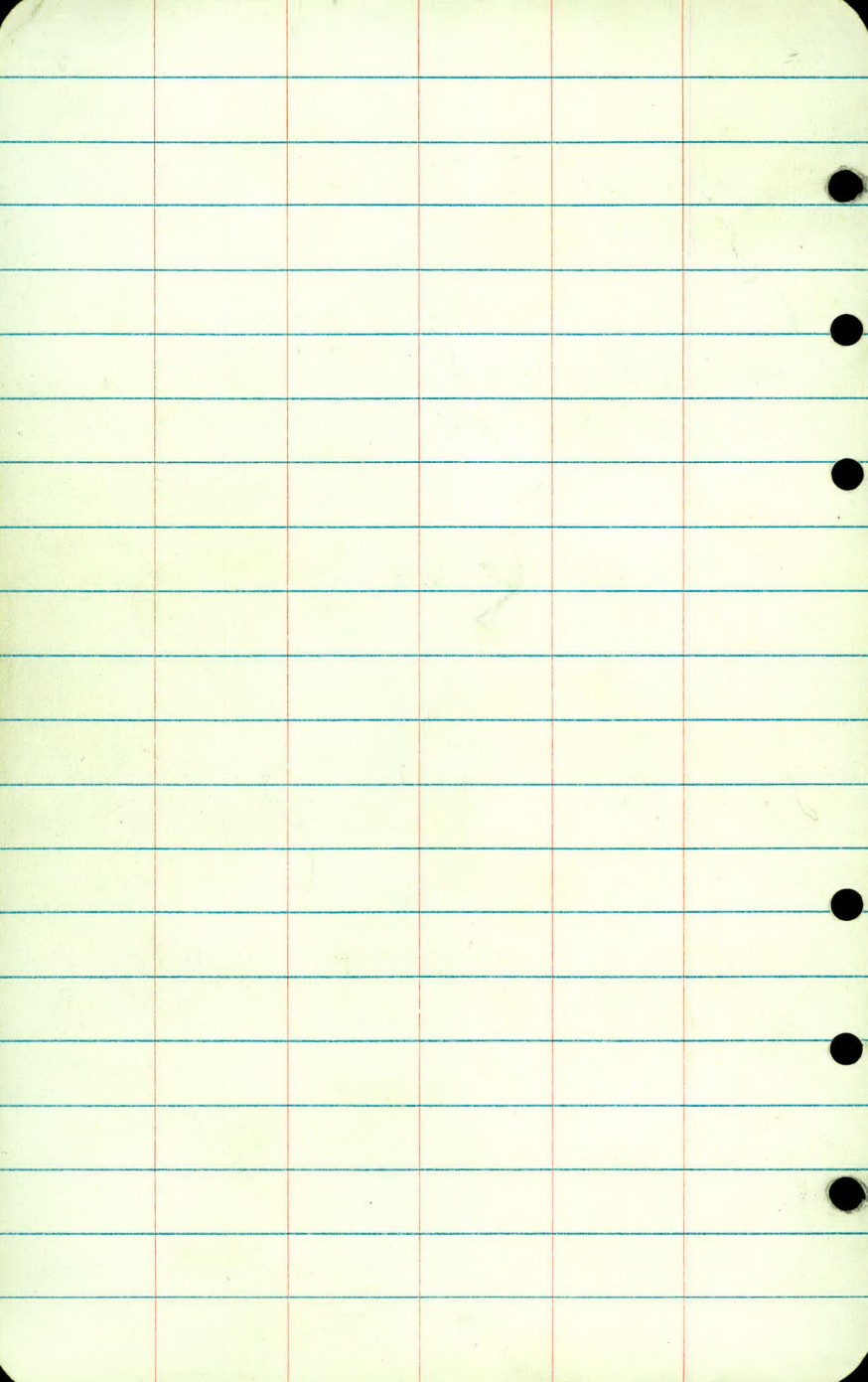
Rt

X-23

07.3 08.6 08.4 08.6 07.9 06.9 06.4
25 16 15 20 35 53

→ 07.9 08.1 08.0 08.0
32 44 54 72

06.4
75



FK
DS
LPD
RJ
BW

May 10, 1974

X-24

OLD HIGHWAY 8

Long Lake Road to 5TH

X-Sections

911.27 Top NW Cor Top Step H_o[#] 675
old Highway 8

Sta

BM

918.05

125+50

78

✓

+78 $\pm$ Ent Rt

126

✓

+50

FK
DS
LPD
RJ
BW

May 10, 1974

27

Rt. X-25

Top Hyd N.W. Corner 6TH ST. NW & Long Lake Rd

15.2 15.62 14.57 13.35 13.6 13.7 12.1
29 13.5 15.5 17 28 32

13.3 13.3 13.1
64 50 36

14.6 14.4 15.53 14.44 13.26 13.52 13.3 13.2
52 37 13.5 15 16 35 52

14.0 15.0 15.3 15.41 14.38 13.18 13.37 13.1 12.0
47 42 25 13.5 15 16 27 32

13.2 13.2 13.2
68 53 35

13.8 14.8 15.4 15.37 14.20 13.01 13.24 13.3 11.6
60 41 24 13.5 15 16 26 30

→ 13.9
70

12.8 13.4 12.8
66 52 36

Sta

127

✓

+50

✓

BM

917.30

128

✓

FK
DS
LPD
RJ
BW

LT

May 10, 1974

RH

X-26

144 150 142 1530 14.22 12.98 13.20 13.1 11.8
63 48 39 13.5 15 16 27 31

12.9 12.2
75 91
Fe

12.0 12.7 13.4 12.6
75 58 41 36

10.7 12.3 16.3 15.44 14.37 13.16 13.40 13.5
43 37 27 13.5 15 16 25

10.3
54

12.4 12.7 12.6 11.8
75 55 36 32

Spike in PP by duck

09.1 11.5 16.5 15.97 14.87 13.68 13.86 14.1 12.2
39 36 26 13.5 15 16 25 33

07.7
54
Fe

12.2 12.7 12.6
75 62 40

Sta

128+50 Ent Rt

✓

129

✓

BM

918.75

+50

✓

DS
LPD
RJ
BW

Lt

May 10, 1974 Rt
Windy Drizzle 50° X-27

10.6 14.2 17.7 16.75 15.63 14.47 14.67 13.8 13.3
38 32 25 13.5 15 16 36 54

08.6 07.7
44 54
Fe

12.6
75

10.4 13.8 18.7 17.85 16.77 15.58 15.80 15.5 13.8
43 35 26 13.5 15 16 25 32

08.8

12.2 13.0 13.4 14.4
75 63 46 37

Fe spike in PP across from Pet Hospital Sign

11.5 18.1 19.9 19.18 18.17 17.02 17.15 17.0 15.8
42 31 26 13.5 15 16 24 27

09.7
55
FE

12.6 12.8 12.9 15.4
75 63 46 36

Sta

130

✓

+ 50

BM

922.21

LA
DS
RJ
BW

Lt

£

May 10, 1974

Rt

X-28

12.0	19.8	21.9	20.96	19.84	18.62	18.9	16.6	14.3
44	31	25	13.5		16	22	32	44

→ 10.2
56
FE

12.3	12.4
64	53

15.2	16.6	22.5	22.69	21.72	20.61	20.82	21.4	17.0
59	44	31	13.5		15	14	23	34

125	12.4	13.8
66	52	48

Spike in Civil Defense Siren pole

STA + π - ELEV

BM 7.84 930.05

922.21

130+61

✓

+83

✓

131+00

✓

KP
LPD
GA
BW

LT

14 MAY 1974
E Cloudy RT

SPIKE IN CIVIL DEFENCE SIREN POLE

19.6	21.0	22.1	23.15	22.17	21.07	21.25	21.0	16.6
10.5	9.1	7.9	6.90	7.88	8.98	8.80	9.1	13.5
76	56	28	13.5		15 G	16 TC	24	37

12.6	12.4
17.4	17.6
69	54

19.4	21.2	22.8	24.00	23.07	22.09	22.29	22.0	15.4
11.6	8.8	7.3	6.05	6.98	8.01	7.81	8.1	14.7
82	60	35	13.5		15 G	16 TC	24	46

12.0	12.2
18.0	17.8
72	57

15.4	17.6	23.4	24.2	24.58	23.79	22.79	23.02	22.4	16.0
14.7	12.5	6.7	5.8	5.47	6.31	7.26	7.03	7.6	14.0
78	50	35	25	13.5		15 G	16 TC	23	43

11.8	12.4
18.3	17.7
83	60

STA

+

π

-

ELEV.

930.05

131+50

✓

132+00

✓

+50

✓

LT

14 MAY 1974
RT

16.4	16.9	26.2	27.0	26.4	26.0	25.0	25.5	25.0	17.0
13.6	13.6	3.8	3.1	3.7	4.3	5.1	4.6	5.1	13.1
62	53	33	17	16		15	16	21	46
		TC		G		G	TC		

12.9

14.3

17.2

15.8

68

71

17.1	18.9	27.6	28.6	28.0	27.6	27.1	27.6	27.1	18.9
------	------	------	------	------	------	------	------	------	------

13.0	11.7	2.3	1.5	2.1	2.3	3.0	2.5	3.0	11.2
------	------	-----	-----	-----	-----	-----	-----	-----	------

58	48	31	20	19		18	19	23	46
		TC		G		G	TC		

12.7

17.1

17.4

13.0

74

75

15.1	28.7	29.6	29.0	29.2	28.5	29.0	28.7	19.7
------	------	------	------	------	------	------	------	------

15.0	1.4	0.5	1.1	0.9	1.6	1.1	1.4	10.4
------	-----	-----	-----	-----	-----	-----	-----	------

57	31	24	23		22	23	28	52
		TC	G		G	TC		

12.7

19.0

17.4

11.1

89

74

STA	+	$\overline{\Delta}$	-	ELEV.
-----	---	---------------------	---	-------

		930,05		
--	--	--------	--	--

133+00				
--------	--	--	--	--

✓				
---	--	--	--	--

TP	2.78	932,48	0.35	929,70
----	------	--------	------	--------

134+00				
--------	--	--	--	--

✓				
---	--	--	--	--

+50				
-----	--	--	--	--

LT

14 MAY 1974
RT

13.6	14.2	29.2	30.0	29.2	29.8	29.4	29.8	29.6	21.6
16.5	15.8	0.9	0.1	0.8	0.3	0.7	0.2	0.4	8.5
80	61	35	27	26		26	27	31	49
			TC	G		G	TC		

20.8

9.2

72

STA 133400

23.9	29.2	30.3	29.5	29.9	29.5	30.3	29.3	29.4
8.6	3.3	2.2	3.0	2.6	3.0	2.2	3.2	8.1
46	34	27	26		26	27	35	61
		TC	G		G	TC		

21.8

10.7

75

23.2

9.3

73

19.7	21.4	29.4	29.6	29.1	29.5	29.3	29.8	29.9	25.4	29.4
12.8	11.1	3.1	2.9	3.4	3.0	3.2	2.7	2.6	7.1	8.1
74	46	27	23	22		22	23	30	55	75
			TC	G		G	TC			

STA	+	π	-	ELEV.
-----	---	---	---	-------

		932.48		
--	--	--------	--	--

135+00				
--------	--	--	--	--

✓				
---	--	--	--	--

+50				
-----	--	--	--	--

✓				
---	--	--	--	--

136+00				
--------	--	--	--	--

✓				
---	--	--	--	--

TP				
----	--	--	--	--

		7.39	925.09	
--	--	------	--------	--

BM				
----	--	--	--	--

1.90	929.87	4.51	927.97	
------	--------	------	--------	--

LT

14 MAY 1974

RT

22.62

27.58

28.48

27.98

28.48

28.68

29.28

29.18

25.48

9.86

4.9

4.0

4.5

4.0

3.8

3.2

3.3

7.0

45
TOP WALL

26

19
TC18
G18
G19
TC

24

51

20.28

20.28

24.88

12.2

12.2

7.6

46

47

75

BOTTOM WALL GA

20.34

26.18

26.18

25.88

26.68

27.08

27.68

27.78

25.48

12.14

6.3

6.0

6.6

5.8

5.4

4.8

4.7

7.0

50
conc.

21

15
TC14
G14
G15
TC

27

51

20.32

20.38

25.08

12.16

12.1

7.4

65

68

75

conc.

HO

20.18

20.58

23.38

24.33

23.78

24.68

25.38

26.08

26.48

25.68

25.28

12.01/1.9

9.1

8.15

8.7

7.8

7.1

6.4

6.0

6.8

7.2

60

50

29

17
TC16
G13
G14
TC

27

53

75

SPIKE IN Triple BE SE Cor Bridge

TOP HYD. RT STA 136+35

STA + π - ELEV.

929.87

136+29 = $\angle$ 6TH AVE NW

✓

+83 = $\angle$ ENT. RT

✓

137+00

✓

LT

15 MAY 1974
RT

19.2	20.0	21.3	22.7	23.7	24.6	25.1	25.7	25.8
10.7	9.9	8.6	7.2	6.2	5.3	4.8	4.2	4.1
100	83	47	17		13.5	14	39	59
					6	TC		

17.4
12.5
150

25.6
4.3
75

21.9	21.1	21.14	20.68	21.7	22.50	23.08	24.3
8.0	8.8	8.73	9.19	8.2	7.37	6.79	5.6
38	31	20	19		12	18	45
		TC	G		conc.	conc.	

22.2
7.7
57
HO

25.6
4.3
75

25.3
4.6
66

22.0	22.8	22.50	22.1	21.0	21.7	22.18	24.1	25.67
7.9	9.3	9.37	9.8	8.9	8.2	7.69	5.8	4.20
41	29	18	17		14	15	40	67
		TC	G		G	TC		TC

22.1
7.8
52
HO

25.6
4.3
76

25.2
4.7
68
G

STA + π - ELEV.

929.87

137+50 = ϕ ENT RT

✓

+72 = ϕ ENT. RT

✓

138+00

✓

LT £ 15 MAY 1974 RT

2.5 8.4 37	18.7 11.2 29	18.2 11.45 20 TC	18.0 11.9 19 G	19.2 10.7	19.2 9.95 12 Conc.	20.33 9.54 18 Conc.	21.2 7.1 3
2.4 8.5 62	2.5 8.4 75					2.5 4.4 75	2.6 5.3 58

2.9 9.0 40	17.9 12.0 32	17.64 12.23 22 TC	17.2 12.7 21 G	18.3 11.6	18.63 11.24 10 Conc.	19.61 10.36 16 Conc.	21.2 8.7 61	21.0 8.9 75	2.3 4.6 75	2.3 5.54 64 MH	2.3 6.6 51
------------------	--------------------	----------------------------	-------------------------	--------------	-------------------------------	-------------------------------	-------------------	-------------------	------------------	-------------------------	------------------

19.8 10.1 52	17.5 12.4 44	16.58 13.29 19 TC	16.1 13.8 18 G	17.0 12.9	17.1 12.8 15 G	17.50 12.37 16 TC	18.8 11.1 22	
9.3 10.6 75					22.3 7.6 75	21.6 8.3 60	20.8 9.1 36	19.1 10.8 30

STA	+	π	-	ELEV.
-----	---	-------	---	-------

		929.87		
--	--	--------	--	--

138+50				
--------	--	--	--	--

✓				
---	--	--	--	--

		14.0		
--	--	------	--	--

139+00				
--------	--	--	--	--

✓				
---	--	--	--	--

TP	5.80	917.51	18.16	911.71
----	------	--------	-------	--------

+33				
-----	--	--	--	--

		4.93	12.58	
--	--	------	-------	--

LT

15 MAY 1974
RT

14.34	14.0	14.94	15.44	15.47	15.54	15.14
15.53	15.9	14.93	14.43	14.40	14.33	14.73
16	15	2	1		4	5
TC	G	G			TC	G

13.9	16.1	16.4	16.9	19.1	19.0	16.6	16.00	15.56	14.56
16.0	13.8	13.5	13.0	10.8	10.9	13.3	14.87	15.31	
34	40	58	75	61	48	32	26	25	
				Ho			TC	G	

12.47	12.63	12.09	13.07	13.16	13.37	13.48	13.0
17.4	17.24	17.8	16.8	16.21	16.5	16.39	16.9
37	19	18	1	TC	16	32	33
	TC	G	G			TC	G

13.5	12.9	14.4	15.2	15.1	13.38	12.9
16.4	17.0	15.5	14.7	14.8	16.49	17.0
45	65	75	75	58	49	48
					TC	G

FLCB 16.0 RT STA 138+19

TOP MH 18.0 RT

STA	+	π	-	ELEV.
		917.51		
139+33			5.91	911.60
+50				
✓				
✓				
TP	1.56	916.24	2.83	914.68
BM	4.93	916.20	4.93	911.31 (911.27)
TP				
TP	6.63	921.27	1.56	914.64

LT

15 MAY 1974 RT

TOP MH 23.0 LT

10.1	10.5	11.24	10.8	11.3	11.4	11.86	11.8	11.72
6.8	7.0	6.27	6.7	6.2	6.1	5.65	5.7	5.79
60	44	19	18		1	2	14	23
		TC	G		G	TC		TC

10.7
6.8
75

11.2	11.61	11.68	11.1	11.2
6.3	5.90	5.88	6.4	6.3
57	56	45	44	24
G	TC	TC	G	G

11.71	12.11
5.8	5.40
73	74
G	TC

SW COR LOWER STEP HO# 651
5TH AVE N.W.

TOP NW COR TOP STEP HO# 675
OLD 5TH #8.

SW COR LOWER STEP HO# 651

STA	+	π	-	ELEV
-----	---	-------	---	------

		921.27		
--	--	--------	--	--

TP	1.55	922.20	0.62	920.65
----	------	--------	------	--------

TP	0.31	910.31	12.20	910.00
----	------	--------	-------	--------

BM	3.39	910.31	3.39	906.92
----	------	--------	------	--------

TP	12.30	922.30	0.31	910.00
----	-------	--------	------	--------

TP	1.00	921.65	1.65	920.65
----	------	--------	------	--------

TP			6.99	914.66
----	--	--	------	--------

BM	3.77	910.69		
----	------	--------	--	--

				906.92
--	--	--	--	--------

0+00

+10 = ~~E~~ CO. RD E2

+23 = SHOULDER RT.

LT

15 MAY 1974
RT

TOP HYD. NE. COR 6TH ST NW & 5TH AVE NW

TOP HYD. LT STA 3+40 5TH AVE NW

TOP HYD NW COR Co. Rd. E2 & 5TH AVE NW

TOP HYD. LT STA 3+40 5TH AVE NW

TOP HYD NE COR 6TH ST & 5TH AVE NW

SW COR LOWER STEP HO^H 651

TOP HYD. NW COR E2 & 5TH AVE NW

4.6	4.3	3.6	3.6	3.0	2.8	2.2	2.2
6.1	6.4	7.1	7.1	7.7	8.9	9.5	10.5
70	48	21		27	72	100	150
BLDG,							

4.5	4.3	4.2	3.2	3.6	2.6	1.8
6.2	6.4	6.5	7.4	7.1	8.05	8.9
70	46	23	17		39	75
BLDG,			MH		MH	

4.6	3.8	3.1	3.6	3.0	1.9	1.5
6.1	6.9	7.0	7.1	7.7	8.8	9.2
70	44	20		22	53	75
BLDG,						

STA + π - ELEV.

910.69

0+34

1+00

+50

2+00

+50 = ϕ ENT. LT.

+67 = ϕ ENT. RT.

LT

16 MAY 1974
RT

6.2	6.4	7.0	7.2	7.7	8.9	11.12	10.4
70	46	20		20	31	65	85
BLDG				FL 32" SPAN			

6.2	6.5	7.1	6.7	7.2	7.9	9.5	10.2	10.7
55	39	21		14	21	34	56	75
BLDG				SCP				

6.1	6.4	6.4	6.8	6.4	6.5	7.0	8.8	9.6
62	44	32	21		13	30	36	75
BLDG								

5.40	5.39	5.77	6.2	6.0	6.3	7.0	9.4	8.3	9.6
45	36	27	22		13	18	27	35	75
conc. conc. conc.									

5.4	5.4	5.6	5.44	5.2	5.7	6.3	7.4	7.8	8.1
75	54	22	17		13	19	23	52	75
MH									

4.7	5.3	5.2	5.4	4.8	5.2	7.5	7.8
56	43	25	22		13	44	75
BLDG							

STA + π - ELEV.

910.69

3+00 = $\nless$ ENT. LT.

+58

+85 = ENT. LT.

4+00

BM 12.11 922.11 0.68 910.01 (910.00)

+21 = ENT. LT

LT

16 MAY 1974

RT

5.4	5.2	6.0	5.5	5.0	2.0	1.0	2.3
5.3	5.5	4.7	4.2	4.9	7.9	8.9	8.4
75	43	20		13	30	50	75

1.3	6.1	1.6	1.2	1.6	1.0	3.1	2.3
3.4	4.0	3.1	3.5	3.1	3.7	7.6	8.4
75	42	27	22		17	33	75

8.0	1.1	8.0	8.2	1.6	8.5	8.3	8.6
2.7	3.0	2.7	2.5	3.1	2.2	1.4	1.1
75	46	21		13	20	41	59 HO

10.1	10.5	8.2	8.4	8.6	8.0	9.0	10.3	10.5
0.0	0.2	2.5	2.3	2.1	2.7	1.7	0.4	0.2
75	51	25	21		13	20	42	59 HO

TOP HYD. LT STA 3+40

12.90	10.04	9.0	9.0	8.8	9.5	10.4	10.6
9.21	12.07	13.1	13.1	13.3	12.6	11.7	11.5
70	32	21		14	18	41	61 HO

STA	+	π	-	ELEV.
-----	---	-------	---	-------

		922.11		
--	--	--------	--	--

4+50				
------	--	--	--	--

5+00				
------	--	--	--	--

+10	=	ϕ ENT.	RT.	
-----	---	-------------	-----	--

+20				
-----	--	--	--	--

+38				
-----	--	--	--	--

+51	=	STEPS	LT.	
-----	---	-------	-----	--

LT

16 MAY 1974

RT

14.3	13.3	10.6	9.6	9.9	9.5	10.2	11.1	11.4
7.8	8.8	11.5	12.5	12.2	12.6	11.9	11.0	10.7
64	37	26	21		13	18	40	61
HO								HO

16.9	15.0	11.66	11.6	11.4	12.1	13.5
5.2	7.1	10.45	10.5	10.7	10.0	8.6
75	39	21		15	28	64
		MH				HO

18.0	17.4	15.6	11.5	11.9	11.8	12.23	12.90	13.6
4.1	4.7	6.5	10.6	10.2	10.3	9.88	9.21	8.40
75	52	35	20		15	28	46	60
						conc.	conc.	GT

18.9	18.2	17.0	12.0	12.2	11.9	12.7	13.2	13.5
3.2	3.9	5.1	10.1	9.9	10.2	9.4	8.9	8.6
64	49	36	20		15	37	54	66

19.8	18.6	12.5	12.8	12.6	13.6	15.3
2.3	3.5	9.6	9.3	9.5	8.5	6.8
54	37	20		17	25	65
HO						

20.04	19.01	13.15	13.0	13.3	13.0	16.0	17.6	17.9
2.07	3.10	8.96	9.1	8.8	9.1	6.1	4.5	4.2
48	35	24	17		16	28	51	75
conc.	conc.	conc.						

STA + π - ELEV.

922.11

5+75

6+00

BM 6.28 926.93 1.45 920.66 (920.65)

6+36

+47 = S. EDGE SIDEWALK RT

+58 = S. EDGE 6TH ST. NW

LT

16 MAY 1974

RT

21.0	20.5	15.9	13.7	14.1	13.9	16.2	20.1	20.5
1.1	1.6	6.2	8.4	8.0	8.2	3.9	2.0	1.6
75	37	26	17		17	29	38	66
								HO

22.1	21.9	16.2	14.4	15.1	15.0	19.1	21.1	21.3
0.0	0.2	5.9	7.7	7.0	7.1	3.0	1.0	0.8
75	37	26	17		16	28	37	66
								HO

TOP HYD. N.E COR 6TH ST. N.W.E 5TH AVE. NW

2.4	3.4	16.5	15.8	16.6	16.4	2.1	2.4
3.1	3.5	10.4	11.1	10.3	10.5	4.8	4.5
75	48	24	17		17	36	75

20.5	19.2	17.5	15.5	16.5	17.0	12.0	17.34	17.77
6.4	7.7	9.4	10.4	9.9	9.9	9.9	9.59	9.16
75	52	28	19		21	35	SW	75
								SW

20.6	17.2	17.2	17.3	17.39	17.77	17.96
6.3	8.3	9.7	9.6	9.54	9.16	8.97
75	50	20		26	53	77
				conc.	conc.	conc.

STA + π - ELEV.

926.93

6+68 = $\neq$ 6TH ST. NW .

+78 = N. EDGE 6TH ST NW

+86

7+00

TP 11.05 927.18 10.80 916.13

7+21 = STEPS LT

LT

16 MAY 1974
RT

20.1	19.1	18.0	17.44	17.45	17.64	17.93	18.27
6.2	7.2	8.9	9.49	9.48	9.29	9.00	8.66
75	57	22	9		29	63	100

20.6	19.5	18.1	17.33	17.48	17.50	17.76	17.90
6.3	7.4	8.8	9.60	9.45	9.43	9.17	9.03
75	55	34	9		26	56	75

20.6	19.2	18.1	17.24	17.38	17.16	18.0	18.6
6.3	7.7	8.8	9.69	9.55	9.77	8.9	8.3
75	54	32	9		28	42	75

14.0	16.0	15.6	17.9	17.07	17.14	17.00	18.1	20.2	21.7
2.9	0.9	1.3	9.0	9.86	9.79	9.93	8.8	6.7	5.2
70	58	39	20	9		17	27	40	61

STA 8+00

25.98	25.93	25.83	17.69	16.89	16.96	16.97	18.2	19.3	21.3
1.20	1.25	1.35	9.50	10.29	10.22	10.21	9.0	7.9	5.9
52	48	42	22	10		11	22	29	37

BLDG.

STA + π - ELEV.

927.18

7+50

8+00

+17 = ENT. RT

+50

9+00 = SIDEWALK RT

+37 = ENT. RT

LT

20 MAY 1974

RT

26.7	25.94	21.6	17.7	16.72	16.67	16.69	17.8	19.0	22.4	23.9
0.5	1.24	5.6	9.5	10.46	10.51	10.49	9.4	8.2	4.8	3.34
71	43	29	20	9		10	18	25	32	48
BLDG SW										

26.1	24.9	21.0	20.1	17.8	17.7	16.15	16.13	16.14	17.8	24.0	23.3	22.4
1.1	2.3	6.2	6.47	9.4	9.5	11.03	11.05	11.04	9.4	3.2	3.9	4.8
75	36	25	21	20	16	9		11	22	39	58	75
WALL												

25.7	25.0	20.7	20.54	17.6	17.5	15.94	15.90	15.91	16.59	19.51	17.02	21.6
5.22	6.5	6.64	9.6	9.7	11.24	11.28	11.27	10.59	7.67	10.16	5.55	
03	34	24	21	20	15	9		11	32	32	75	75
WALL TOPWALL TOPWALL												

25.7	25.1	20.2	20.2	17.3	17.2	15.50	15.44	15.42	17.0	17.4
1.5	2.1	7.0	6.98	9.9	10.0	11.68	11.74	11.76	10.2	9.8
02	35	24	21	20	15	9		11	22	48
WALL HO										

25.5	24.2	20.1	19.46	16.5	16.4	14.78	14.77	14.71	15.73	16.08	16.5
1.7	3.0	7.1	7.72	10.7	10.8	12.40	12.41	12.47	11.45	11.10	10.7
75	35	25	21	20	16	9		11	24	41	44
WALL SW SW HO											

25.5	24.1	19.5	18.87	15.9	15.8	14.22	14.31	14.25	14.7	15.6	15.6
1.7	3.1	7.7	8.31	11.3	11.4	12.96	12.87	12.93	12.5	11.6	11.6
68	36	25	21	20	16	9		12	26	48	75

STA + K - ELEV

927.18

9+45

+53 = STEPS LT.

+80

+90 = ENT RT.

10+00

BM 4.72 919.38 12.54 914.64 914.66

LT

E

20 MAY 1974

RT

24.98	23.58	19.18	18.74	15.68	15.58	14.08	14.18	14.08	14.88	13.38	12.98	12.88
2.2	3.6	8.0	8.44	11.5	11.6	13.1	13.0	13.1	12.3	13.8	14.2	14.
54	35	25	20	19	15	11		12	23	37	56	66
HO			WALL									

24.88	24.69	23.59	15.99	15.48	13.98	14.08	13.98	14.68	13.48	12.98	12.68
2.3	2.49	3.59	11.19	11.7	13.2	13.1	13.2	12.5	13.7	14.2	14.5
56	53	36	22	17	13		14	22	31	48	71
HO											

19.28	24.51	19.08	22.45	16.07	15.58	13.98	13.58	13.78	13.58	14.05	14.18	13.28	12.88
7.9	5.67	8.1	4.73	9.11	11.6	13.2	13.6	13.4	13.6	13.13	13.0	13.9	14.3
53	53	33	33	21	21	16	15		16	17	22	27	75
GROUND	WALL	GROUND	WALL	WALL	GROUND	TC	G		G	TC			

14.48	17.78	15.58	13.83	13.38	13.68	13.47	13.98	13.18	12.78
7.7	9.4	11.6	13.35	13.8	13.5	13.71	13.20	14.0	14.4
58	27	21	15	14		16	20	35	75
FE			TC	G		conc.	conc.		

19.28	17.68	13.66	13.28	13.68	13.28	13.74	14.08	13.68	13.58
7.9	9.5	13.52	13.9	13.5	13.9	13.44	13.1	13.5	13.6
60	27	15	14		17	18	31	52	75
	FE	TC	G		G	TC			

SW COR LOWER STEP HO# 651

STA + π - ELEV

919.38

10422 = $\neq$ STEPS LT.

+44 = ENT RT

+74

+90

7.25 9/2.13

11406 = ENT, RT.

+50

LT

Z

20 MAY 1974

RT

18.72

17.49

13.29

12.88

13.18

12.88

13.37

13.78

0.66 1.89

6.09 6.5

6.2

6.5

6.01

5.6

50 31

17 16

18

19

50

HO

TC G

G

TC

HO

18.28

16.88

17.05

12.58

12.78

13.17

13.18

13.17

12.78

12.67

13.14

13.58

1.1 2.56 3.36 6.8

6.6 6.21

6.2

6.21

6.6

6.71

6.24

5.8

47 29 21 20

4 3

4

5

21

25

52

TC

G

G

TC

TC

G

Conc.

Conc.

16.08

14.08

12.78

12.38

12.28

12.71

12.38

12.71

12.18

12.08

12.47

13.38

3.3 5.3 6.60 7.0

7.1 6.67

7.0

6.67

7.2

7.3

6.91

6.0

75 34 28 27

12 11

8

9

23

24

75

TC

G

G

TC

TC

G

G

TC

TOP CB 35.0 LT.

13.28

12.28

11.98

12.41

12.38

12.19

11.68

11.62

12.02

13.36

6.1

7.1

7.4

6.97

7.0

7.19

7.7

7.76

7.36

6.02

75

44

17

16

9

10

25

29

43

G

TC

TC

11.68

11.18

10.88

11.34

11.08

10.68

10.68

10.68

11.15

11.27

12.38

12.38

7.70 8.2

8.5

8.04

8.30

8.7

8.7

8.7

8.23

8.11

7.0

7.0

39 38 23 22

6 5

25

26

31

39

45

TC G

G

TC

TC

G

TC

SW

HO

STA	+	π	-	ELEV.
-----	---	-------	---	-------

		919.38		
--	--	--------	--	--

11+79	= ENT. RT.			
-------	------------	--	--	--

12+00				
-------	--	--	--	--

+24	= ENT. RT.			
-----	------------	--	--	--

+50				
-----	--	--	--	--

+97	= CB RT.	11.35	908.03	
-----	----------	-------	--------	--

+99	= CB RT.	11.27	908.11	
-----	----------	-------	--------	--

BM	1.07	912.34	8.07	911.31	911.27
----	------	--------	------	--------	--------

LT

Z

20 MAY 1974

RT.

11.35	10.92	10.32	10.95	10.67	10.28	10.28	10.33	10.84	11.38
8.03	8.46	9.06	8.43	8.71	9.1	9.1	9.05	8.54	8.0
48	46	23	22	6	5		25	32	62
TC	G	CB	TC	TC	G		conc	conc	

10.18	11.28	10.08	10.55	10.34	9.98	9.98	9.88	10.26	10.41	10.78
9.2	8.1	9.3	8.83	9.04	9.4	9.4	9.5	9.12	8.97	8.6
55	35	20	19	6	5		25	26	31	45
G		G	TC	TC	G		G	TC	SW	HO

9.48	9.63	10.08	10.08	9.65	9.68	9.48	9.89	10.28
9.9	9.7	9.30	9.30	9.73	9.7	9.90	9.49	9.1
44	12	10	6	4		25	31	49
G	G	TC	TC	G		conc.	conc.	

8.88	9.00	9.08	8.88	9.38	9.56	9.38
10.5	10.3	10.3	10.5	10.00	9.82	10.0
34	12		25	26	32	45
G			G	TC	SW	HO

TOP CB 24' LT.

TOP CB 24' RT.

TOP NW COR TOP STEP #675

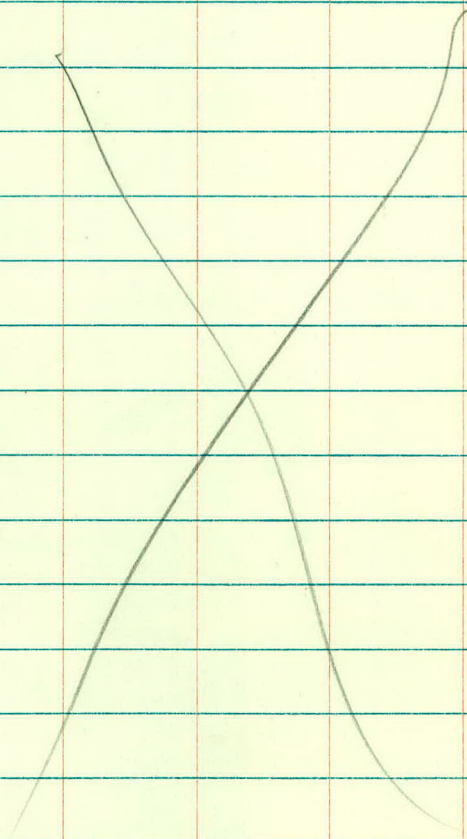
STA

+

π

-

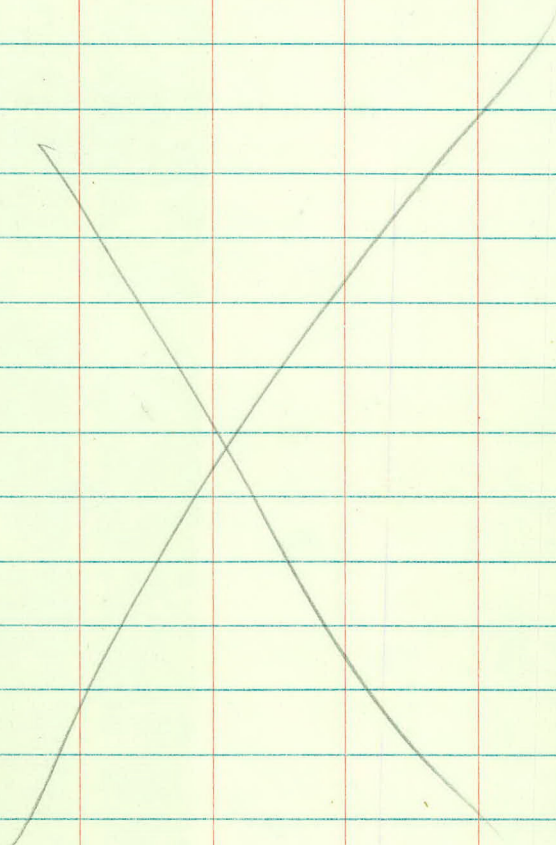
ELEV.



LT

$\frac{1}{2}$

RT



STA + π - ELEV.

912.34

13+00

+13 = Curb RT

+28 = E 7TH ST. NW.

+39 = Curb RT

+84 = ENT. RT & LT

14+00 = ENT RT & LT

LT

20 MAY 1974

RT

1.9A

8.2A

8.50

8.0A

8.2A

8.0A

8.60

8.7A

9.23

4.4

4.1

3.8

4.3

4.1

4.3

3.74

3.55

3.11

75

47

26

25

25

26

52

75

75

TC

G

G

TC

SW

SW

SW

1.6A

8.20

1.6A

1.7A

1.9A

1.8A

1.75

8.21

8.3A

8.70

4.7

4.14

4.65

4.6

4.4

4.5

4.59

4.07

4.0

3.64

75

39

39

23

24

38

38

75

75

75

75

TC

CB

TC

G

TC

G

TC

G

TC

G

TC

G

TC

8.3A

8.1A

8.1A

1.7A

1.4A

1.7A

1.5A

8.4A

9.2A

10.2A

9.2A

10.2A

9.2A

10.2A

9.2A

10.2A

4.0

4.2

4.2

4.6

4.9

4.6

4.8

3.90

3.1

2.1

150

100

70

40

24

24

24

57

100

150

MH

MH

MH

MH

MH

MH

MH

1.6A

1.5A

1.2A

1.5A

1.4A

1.5A

8.19

8.39

4.7

4.8

5.1

4.8

4.9

4.80

4.15

3.95

75

59

24

24

40

40

75

CB

TC

6.1A

6.5A

1.02

6.61

6.8A

6.5A

1.10

1.9A

6.2

5.8

5.32

5.73

5.5

5.8

5.24

4.4

75

53

31

24

24

30

75

6.9A

6.1A

6.80

6.3A

6.5A

6.3A

6.8A

1.5A

6.4

6.2

5.54

6.00

5.8

6.0

5.50

4.8

75

57

31

24

24

30

75

STA + π - ELEV.

912.34

14+50

+76 = ENT LT & RT

15+00

+50 = ENT RT

+64 = ENT LT

BM

1.06

911.28

911.27

LT

20 MAY 1974
RT

1.8A	2.3A	4.2A	6.01	6.91	6.9A	6.7A	6.1A	5.86	6.02	7.00
10.5	10.0	8.1	6.33	6.43	6.9	6.6	6.9	6.48	6.32	5.34
75	61	49	30	25	24		24	25	30	75
			SW	TC	G		G	TC	SW	CONC

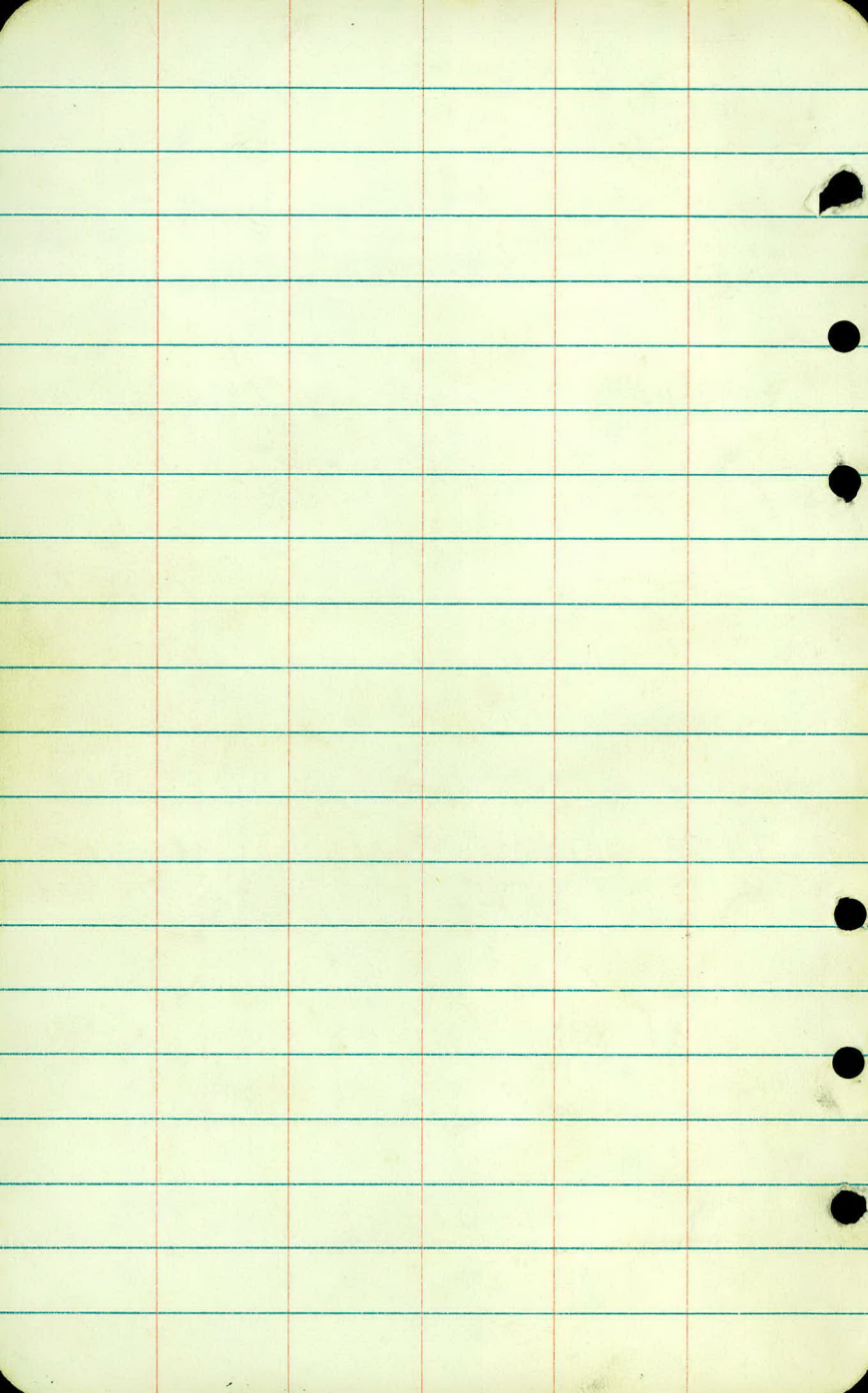
2.1A	3.1A	5.26	6.07	6.3A	6.18	5.56	6.7A
10.2	9.2	7.08	7.27	7.0	7.16	6.78	5.6
75	57	31	24		24	30	75

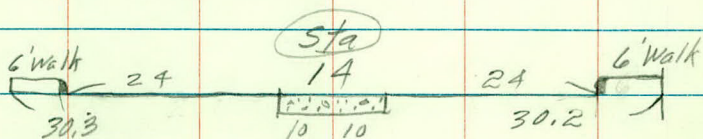
2.3A	3.7A	6.0A	5.1A	4.5A	4.8A	4.6A	5.07	5.15	5.9A
10.0	8.6	7.30	7.23	7.8	7.5	7.7	7.27	7.19	6.4
75	60	31	25	24		24	25	30	60
		SW	TC			G	TC	SW	BUDG

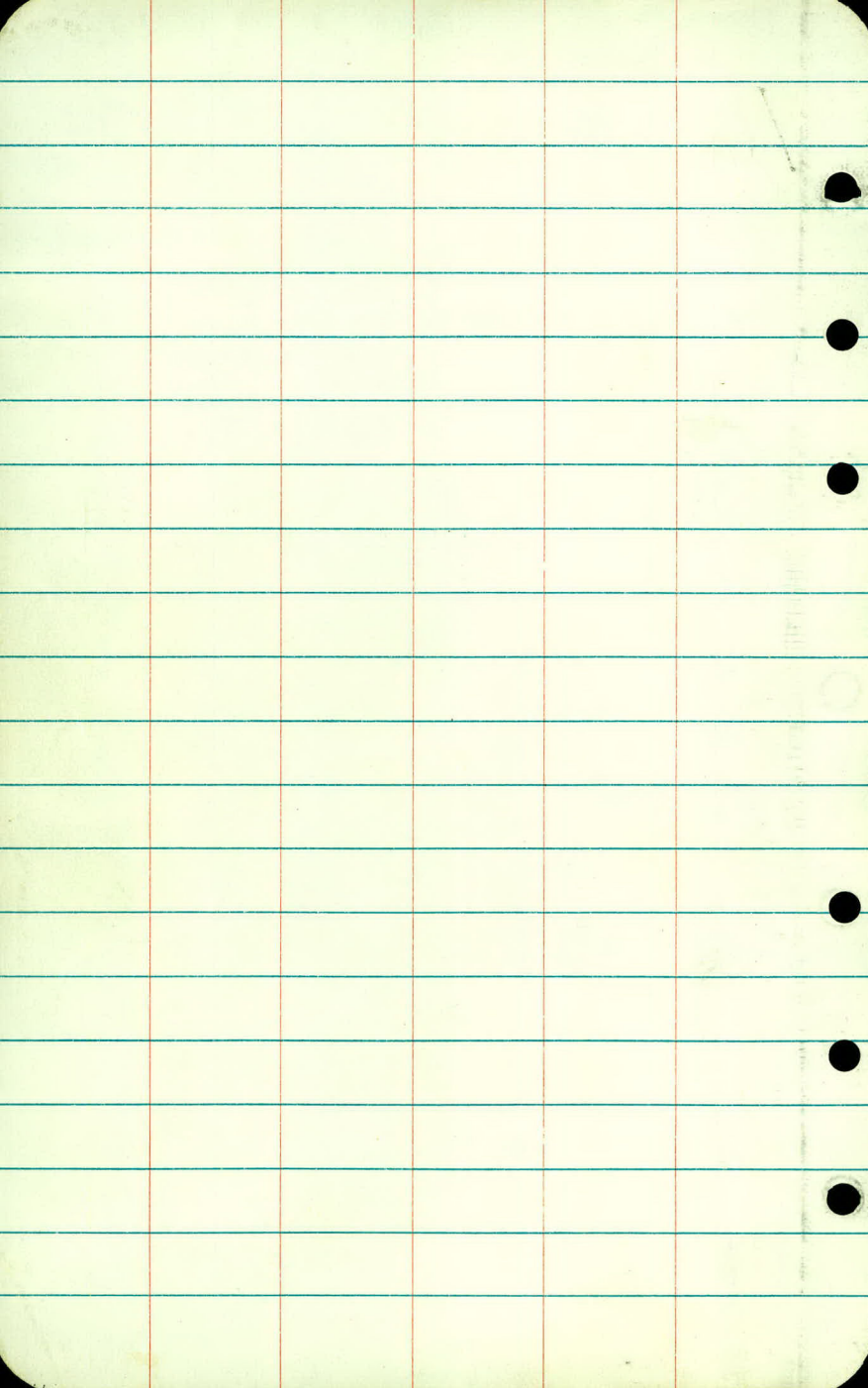
5.0A	4.9A	4.3A	4.27	3.8A	4.0A	3.89	4.31	6.0A
7.3	7.4	7.95	8.07	8.5	8.3	8.45	8.03	6.3
75	55	31	25	24		24	30	62
		SW	TC	G				

4.2A	4.03	3.51	3.8A	3.5A	3.9A	4.06	5.9A
8.1	8.31	8.83	8.5	8.8	8.40	8.28	6.4
75	31	24		24	24	30	70
					TC	SW	

TOP NW COR TOP STEP HO[±] 675







TOPOGRAPHY

&

ELEVATIONS

OLD HWY 8

RR BRIDGE TO 7th ST. NW
(Br. 4533)

+50

LT

⊕

RT

$\overline{WS}$
+91 43

$\overline{HYD}$
+37 37
 $\overline{WS}$
+36 36

136

+50

135

+50

134+00

W.S
R.J

LT

£

RT

9-25-75

2

139+00

LT

£

RT

✓
+85 $\frac{\text{ARCH POLE}}{18}$

+50

138+00

✓
+73 $\frac{\text{ARCH POLE}}{18}$

✓
+59 $\frac{\text{MH}}{69}$

+50

137

136+50

W.S
R.T

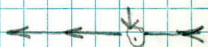
LT

E

RT

9-25-75

3



SAN MH
11.8' DEEP
BLOCK CONST
9" CASTING
NO RINGS

+50

LT

E

RT

$$\begin{array}{r} \checkmark \\ +32 \frac{WS}{11} \\ \checkmark \\ +31 \frac{MH}{61} \end{array}$$

$$\checkmark \frac{WS}{40} +25$$

$$\checkmark \frac{CB}{41} +39$$

$$\checkmark \frac{CB}{42} +17$$

$$\checkmark \frac{CB}{27} +98$$

141

$$\checkmark \frac{CB}{36} +06$$

$$\checkmark \frac{MH}{20} +99$$

$$\checkmark \frac{CB}{20} +90$$

+50

$$\checkmark \frac{WS}{58} +38$$

$$\checkmark \frac{WS}{57} +16$$

140

$$\checkmark \frac{WS}{67} +95$$

$$\checkmark \frac{CB}{20} +80$$

+50

$$\checkmark \frac{CB}{91} +50$$

$$\checkmark \frac{MH}{23} +34$$

$$\checkmark \frac{CB}{16} +18$$

139

$$\checkmark \frac{MH}{19} +34$$

$$\checkmark \frac{CB}{64} +03$$

W.S
RJ

LT

E

RT

9-25-75

4

MH 16+651 →

5.1' DEEP

8

17' 12" RCP

9

8' x 12" RCP

4.2' DEEP
1 CONE

47' x 12"

10

6.5' DEEP
1 CONE

24' x 12" RCP

12

5.0' DEEP
1 CONE

13

15" RCP

1 SAGE RINGS

22' x 12"

6.0' DEEP

1 CONE

12" RCP

12" FROM E 7.5'
12" FROM S 5.5'
12" FROM W 6.0'
18" FROM S 7.5'
18" TO N 9.5'

MH

BLOCK E CONE
1 RING
CASTING
11" CASTING

12" FROM SOUTH 6' DOWN
18" FROM EAST 9' DOWN
18" GOING OUT 9.5' DOWN

100' RCP

3

18" RCP

GB

4.5' DEEP
CONE

NO RINGS
9" CASTING

CB

5' DEEP
CONE
11" CASTING

6

OCD

5.0' DEEP
CONE
10" CASTING

MH

BLOCK E CONE
10" CASTING

47' x 12"

4

9' x 12"

12" FROM SE 6'
12" FROM E 7'
12" FROM NE 7.5'
18" TO N 9.5'

57'

12" RCP

2

CB

4.5' DEEP
CONE
10" CASTING
VORLINGS

STA	+	Σ	-	ELEV
BM	1.35	916.01		914.66
CB#1			4.26	911.75
CB#2			3.89	912.12
MH#3			4.45	911.56
MH#4			3.47	912.54
CB#5			4.92	911.09
CB#6			5.66	910.35
CB#7			7.94	908.07
CB#8			8.23	907.78
MH#9			8.08	907.93
CB#10			7.90	908.11
CB#11			8.13	907.88
CB#12			8.40	907.61
MH#13			7.43	908.58
			4.74	911.27
				911.27

W.S
G.A
R.J

9-26-75
CLEAR 48°

5

SW COR LOWER STEP HO# 651

THE NUMBERING OF THE
CATCH BASINS AND MANHOLES WAS
DETERMINED IN THE FIELD. THE KEY TO
THE SYSTEM -- LOCATION WITH RESPECT
TO CENTERLINE -- IS LOCATED ON PAGE 4
OF THESE NOTES. NO'S ARE IN RED PENCIL

WILLIAM J. SKALLY

NW COR TOP STEP HO# 675

W.S
G.A
R.T

NUMBER TWO ON YOUR LIST
WAS SOMEWHAT TAXING BUT WE
ACCOMPLISHED WHAT YOU WANTED

6th AVE NW STA. 136+30.3

7th ST NW STA. 141+23.1

STA 13+27.0

GA
RJ
BW

11-12-75
Partly cloudy 32°

OLD T.H. # 8

X - SECTIONS

137+00 → 139+33

4 PAGES

STA

+

Δ

-

Elev

0.26

928.23

927.97

137+00

+50

+81

ALLEY

3.86

138

GA
RJ
BW

11-13-75 2

LT

E

RT

TOP

HVD

STA

136 + 35

RT

19.83

20.73

21.83

22.37

22.63

22.83

25.52

25.03

8.4

7.5

6.4

5.86

5.6

4.4

2.71

3.2

34

20

4

3

5.6

20

46

47

17.83

18.83

20.03

20.43

22.33

24.33

25.93

25.93

10.4

9.4

8.2

7.8

5.9

3.9

2.3

2.3

55

39

23

17

5.9

20

46

60

17.83

18.13

19.22

21.33

22.83

24.43

25.53

26.03

10.9

10.1

9.01

8.9

5.4

3.8

2.7

2.2

58

38

33

14

5.4

20

44

64

MH

17.28

19.13

20.93

21.63

22.53

23.63

25.95

26.10

curb

conc

conc

conc

10.95

9.1

7.13

6.6

5.7

4.6

2.78

2.13

50

35

29

11

14

19

23

STA

+

K

-

ELEV

928.23

138+50

TP

3.26

922.18

9.31

918.92

139

+20

+24

TOP WALL Pt

GA
RJ
BW

11-13-75 3

LT

£

R

14.89	17.03	17.43	18.93	20.23	21.13	25.11	29.83
curb						WALL	
13.34	11.2	10.8	9.3	8.0	7.1	3.12	3.4
71	61	41	20		18	19	29

COR CONC WALL

12.88	13.78	16.08	18.18	19.08	19.68	24.51
curb						WALL
9.80	8.4	6.1	4.0	3.1	2.5	-2.33
85	81	51	25		17	18

12.89	14.38	17.18	17.27	17.58	17.68	17.88	19.60	19.98
curb			SW CONC				WALL	
9.34	7.8	5.0	4.91	4.6	4.5	4.3	2.58	2.7
66	56	47	26	16		17	18	35

15.38	16.08	18.22	18.46
		WALL	WALL
6.8	6.1	3.96	3.72
	17	18	37

Sta

+

K

-

ELEV

922.18

139+27

+33

Cutter Rt : 4T

BM

7.52

914.66

914.68

GA
RJ
BW

11-13-75

4

LT

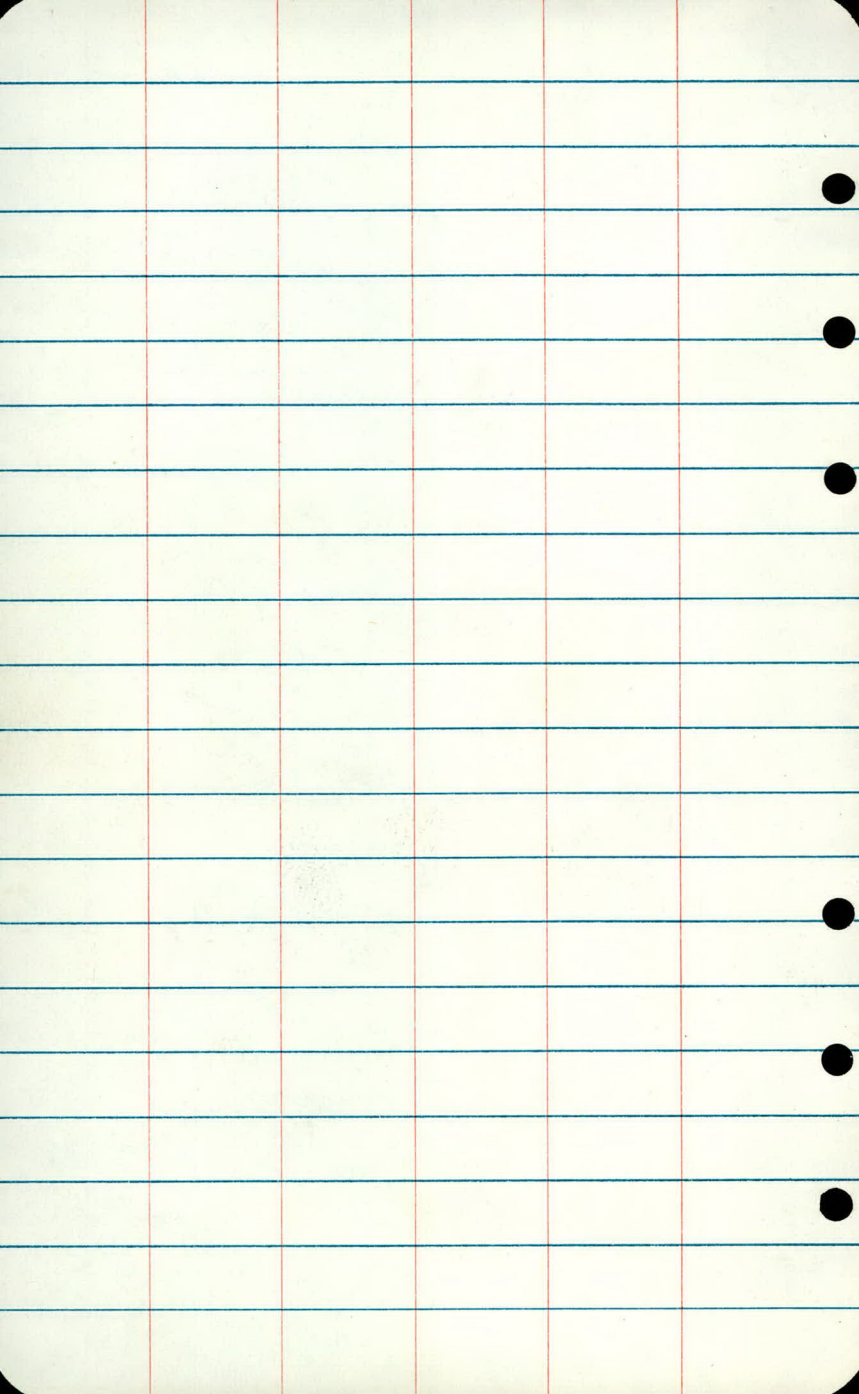
✓

RT

TC	13.00	13.98	14.44	14.58	14.88	15.18	15.48
	9.18	8.2	7.74	7.6	7.3	6.7	6.7
	46	38	26	18		17	34

12.48	12.78	13.08	13.28	13.58	13.88	13.98
9.7	9.4	9.1	8.9	8.6	8.3	8.2
54	31	16		16	30	47

DW COR LOWER STEP Ho # 651



GA
RJ
BW

11-12-75
CLOUDY 32°

OLD T.H. # 8

62-677-07

TOPOGRAPHY

STA 136+50 TO 139+50

3 PAGES

139

curb
85

Lt

E

✓ WALL
17

RT

✓ +94 40" CTN WOOD
56✓ +95 Triple 4" Fruit Tree
2✓ +94 NE COR HO
32

150

✓ NW COR HO
+47 32✓ +50 WALL
19✓ 28" ELM
+26 37✓ +25 36" ELM
25✓ +15 NE COR BLDG
23

138

✓ +93 PP
22curb
50✓ NW COR Bldg
+92 23✓ +91 PP
42✓ +92 COR CONC WALL
19-23✓ +86 MH
20✓ Be CONC ENT
+62 29✓ END CONC ENT
+78 38✓ E CONC ENT
+55 25

150

curb
58curb
24✓ Be CONC ENT
+34 16✓ +11 curb
45✓ +01 curb
5✓ NW
cor bldg
+01 17

137

curb
36curb
4✓ +82 curb
46

✓ +87 BIT ENT

✓ +77 Be curb
9

136+50

curb
25curb
8

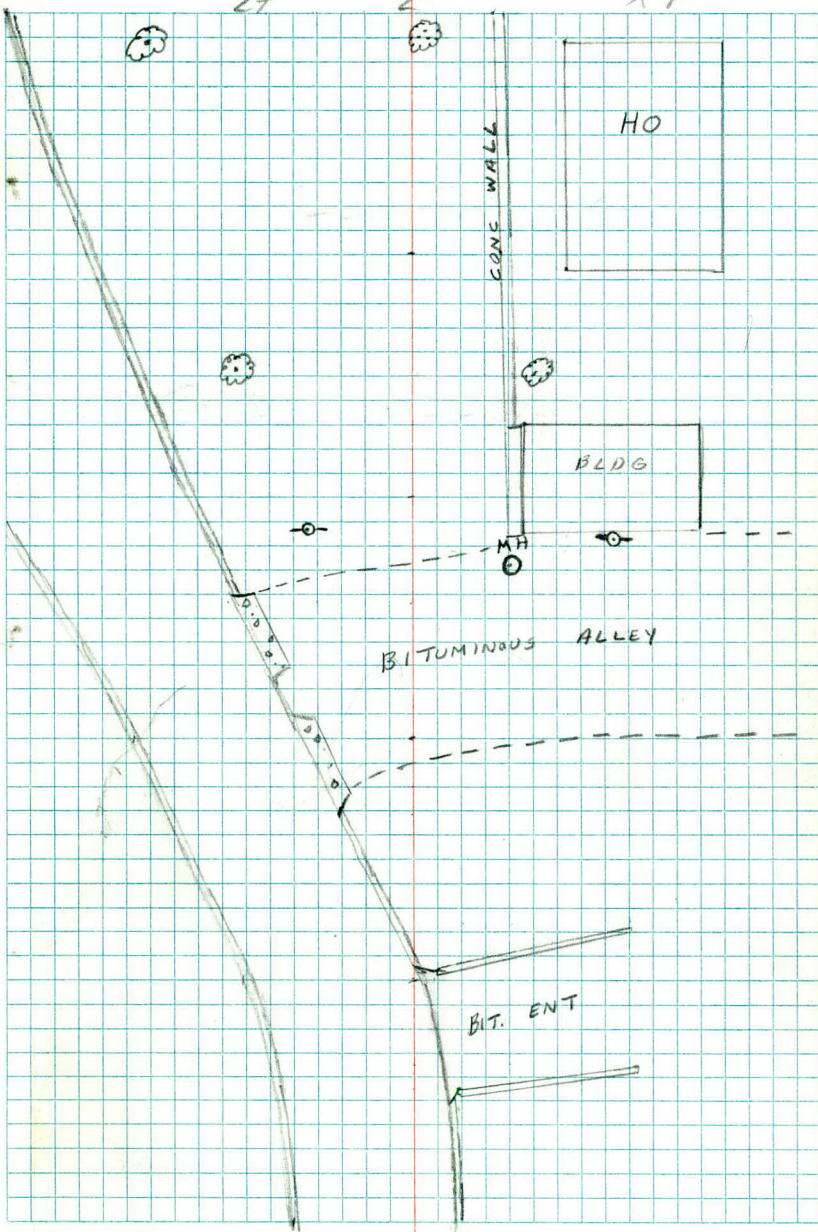
GA
RT
BW

11-12-75 2

LT

φ

RT



+50

✓ END CONC Steps

+26 23-27

✓ Be CONC Steps

+18 23-27

✓ +05 Be SW

23-27

139+00

✓ +33 CURB
RT & LT

✓ +27 COR WALL
17

✓ +05 9" PINE
36

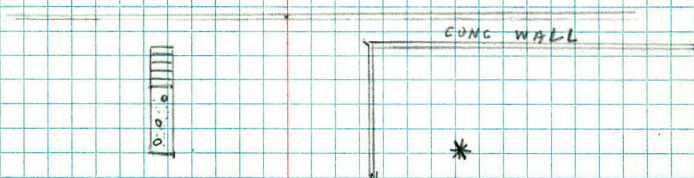
GA
RJ
BW

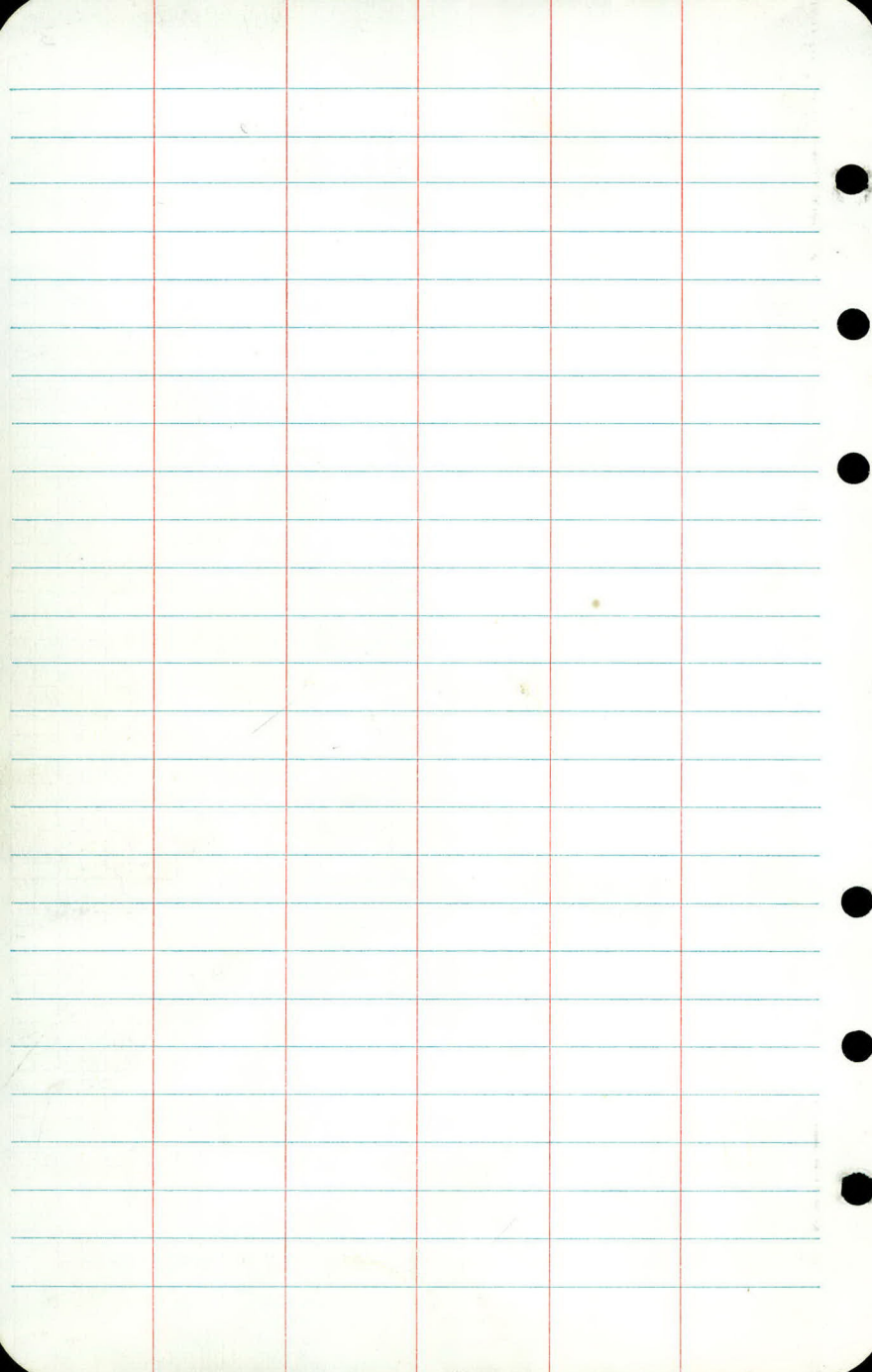
11-12-75 3

LT

£

RT





KP
GA
RJ

18 FEB 1976 1.
CLOUDY 40°

62-677-07 CTB

TOPOGRAPHY

+50 LT

£

RT

+34 8" ELM

49 +11 15" ELM
45

138+00

+50

+44 8" APPLE
40

137+00

+00 30" ELM
36

+50

136+00

18 FEB 1976

2.

LT

RT

13

14

15

16

141+00

LT

E

RT

+96 36" 0

+93 36" 0 39

65

+50

Brush
32-50

140+00

Brush
34-50

+94

6-6" Willows
34

+50

Brush
36-NW

139+00

Brush
37-NW

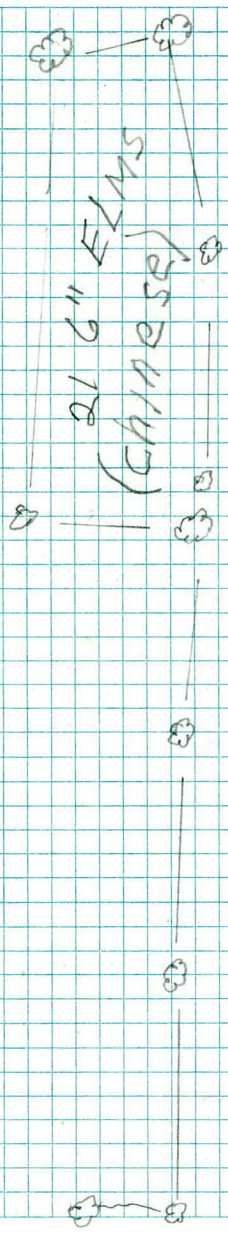
138+50

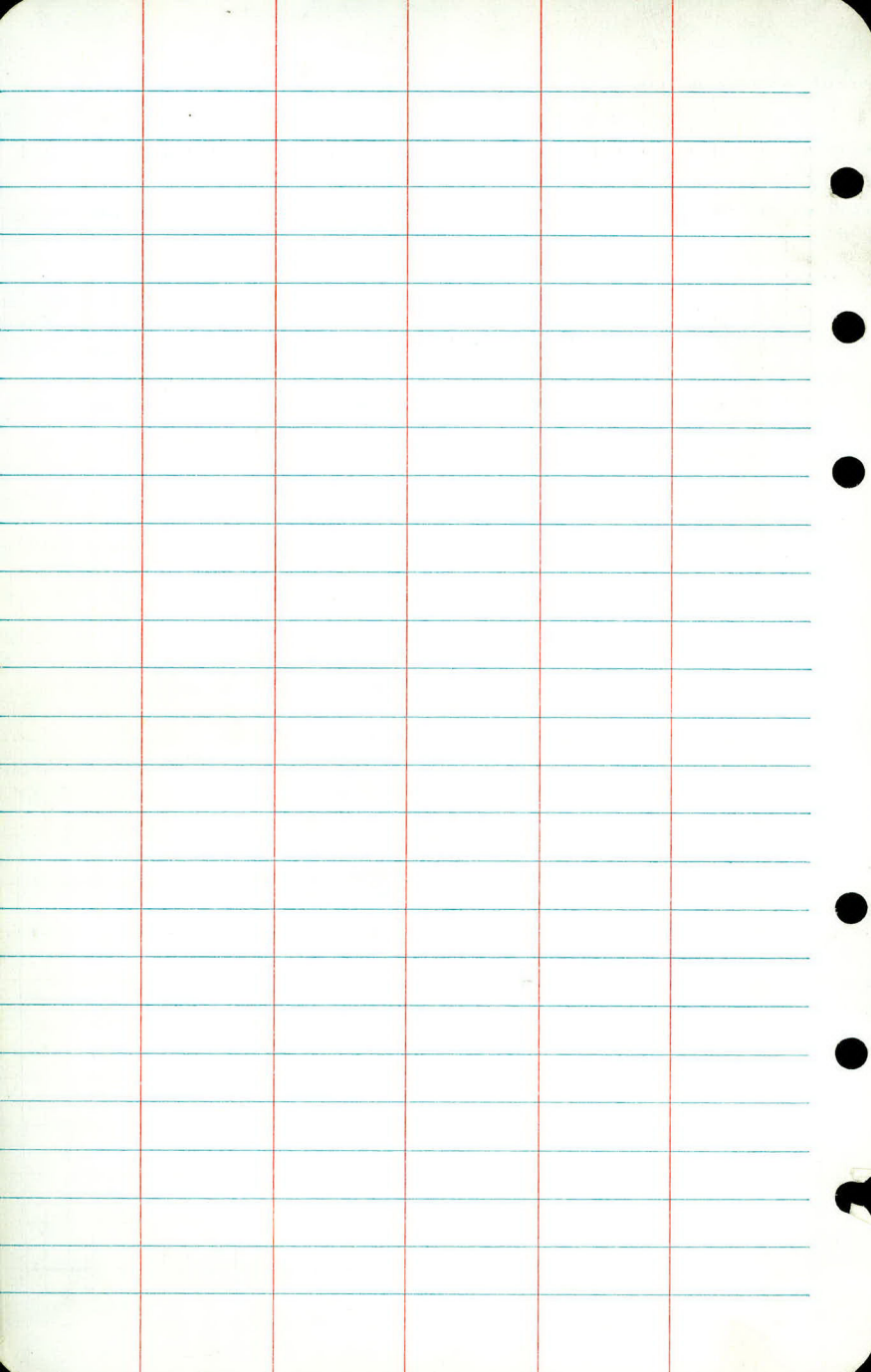
Begin Brush
39-59

18 FEB 1976 3.

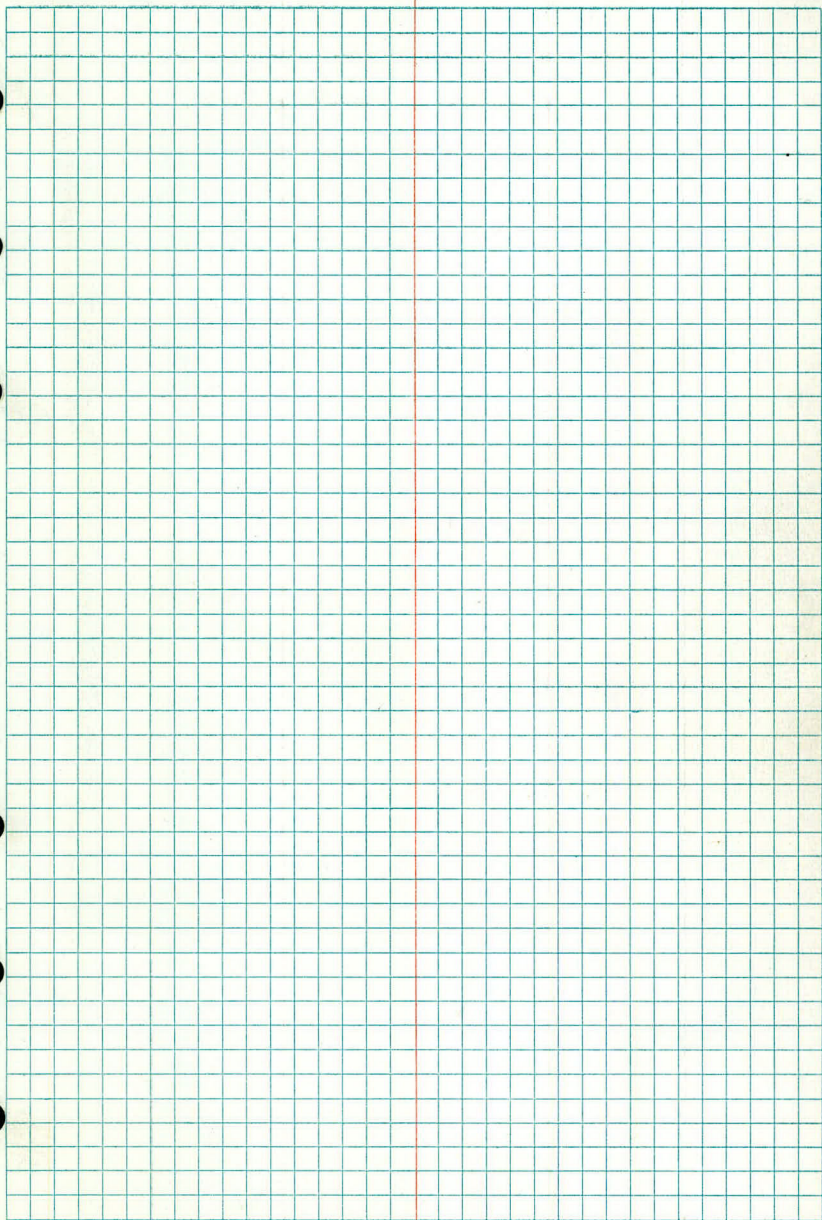
LT

RT





T-1



105

✓ +73 ^{MH} 31 TCAAP

✓ +22 ^{FdCr} 39

104

✓ ^{LP} 35

✓ +53 ^{NE 18" CM} 40

✓ +52 ^{S.E New Fe} 42

✓ +22 ^{SE 18" CM} 47

✓ +20 ^{E Fe} 56

✓ +19 ^{E Row 18" LP} 59

103

✓ ^{Row 18" LP Fe} 66 62

✓ +62 ^{Begin Row 2" LP} 35

107

106

✓
$$\begin{array}{r} 2''LP \\ +28 \quad 42 \end{array}$$

✓
$$\begin{array}{r} +24 \quad \text{End Row } 2''LP \\ 36 \end{array}$$

105

T-3

23

23

110

$$\begin{array}{r} +51 \frac{20^{\circ}0}{57} \end{array}$$

$$\begin{array}{r} +44 \frac{4^{\circ}P}{63} \end{array}$$

$$\begin{array}{r} +33 \frac{4^{\circ}P}{58} \end{array}$$

$$\begin{array}{r} +24 \frac{6^{\circ}Elm}{49} \end{array}$$

$$\begin{array}{r} +30 \frac{4^{\circ}P}{56} \end{array}$$

$$\begin{array}{r} +14 \frac{8^{\circ}G.Ash}{49} \end{array}$$

109

$$\begin{array}{r} +02 \frac{6^{\circ}Elm}{44} \end{array}$$

$$\begin{array}{r} +81 \frac{5^{\circ}P}{40} \end{array}$$

$$\begin{array}{r} +87 \frac{5^{\circ}P}{40} \end{array}$$

$$\begin{array}{r} +75 \frac{5^{\circ}P}{40} \end{array}$$

$$\begin{array}{r} +57 \frac{4^{\circ}P}{42} \end{array}$$

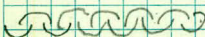
$$\begin{array}{r} +68 \frac{4^{\circ}P}{41} \end{array}$$

$$\begin{array}{r} +49 \frac{20^{\circ}0}{53} \end{array}$$

$$\begin{array}{r} +25 \frac{3^{\circ}P}{46} \end{array}$$

$$\begin{array}{r} +12 \frac{L. Jac Hedge}{43} \end{array}$$

108



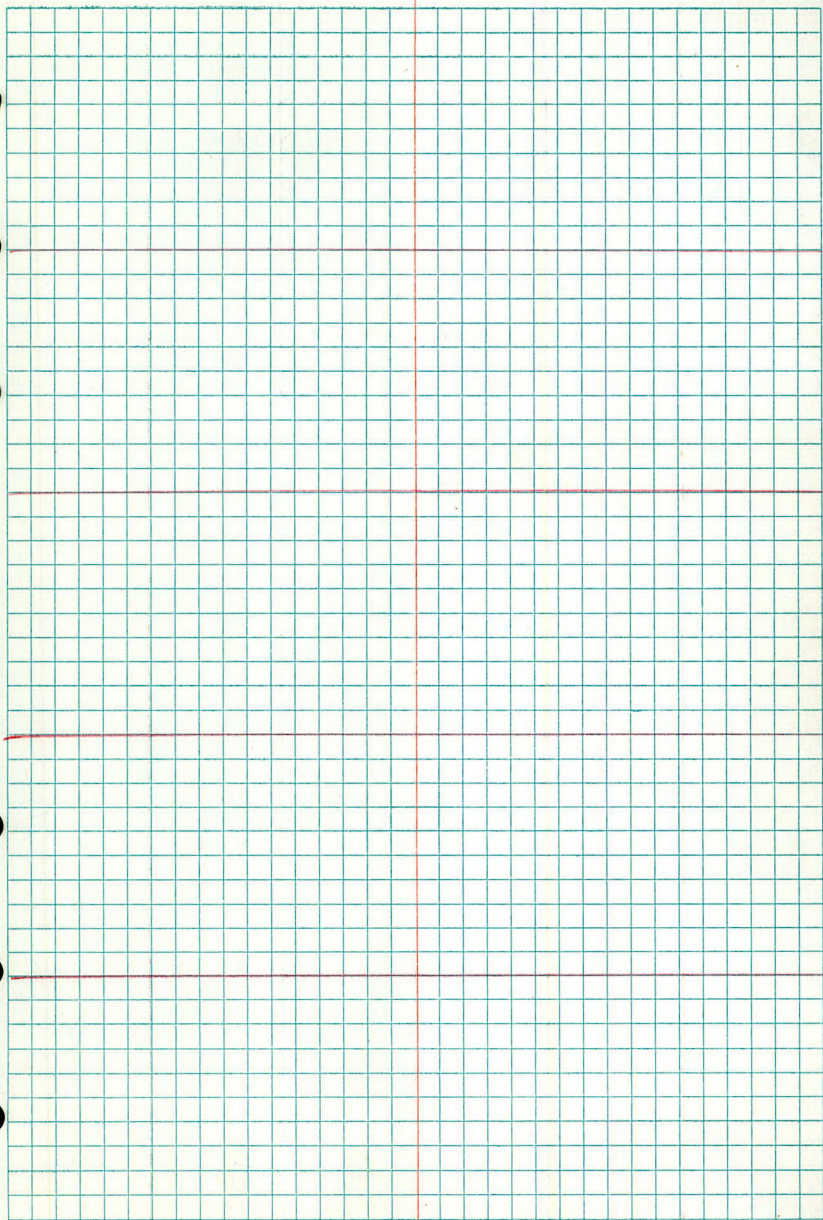
112

Row Trees
51

111

110

T-5



115

$$\checkmark +153 \frac{NE_{Culv}}{34}$$

$$\checkmark +12 \frac{SE_{Culv}}{33}$$

114

$$\checkmark +81 \frac{NE_{Culv}}{35}$$

$$\checkmark +55 \frac{SE_{Culv}}{35}$$

$$\checkmark +50 \frac{SD}{24}$$

$$\checkmark +40 \frac{NE_{Culv}}{36}$$

113

$$\checkmark +05 \frac{SE_{Culvert}}{33}$$

T-6

40' CM
E - - - - -

26' CM
Barred
E - - - - -

0

35' CM
E - - - - -

117

$$\checkmark +00 \frac{NE Culv}{31}$$

$$\checkmark +72 \frac{SE Culv}{31}$$

$$\checkmark +30 \frac{\pm Ent Culv}{31} \quad 22' Buried$$

116

$$\checkmark +59 \frac{NE Culvert}{34}$$

$$\checkmark +20 \frac{SE Culvert}{33}$$

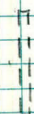
115

T-7

28'± CM



22'± CM



40'± CM



120

+06 $\frac{MH}{36}$

119

+57 $\frac{MH}{29}$

+54 $\frac{CB}{51}$

118

T-8

V

V

2" Casting
Mex. Hat
Conc. Block

12" SCP

10" Casting
8 Adj. Rings
Mex. Hat
12" SCP

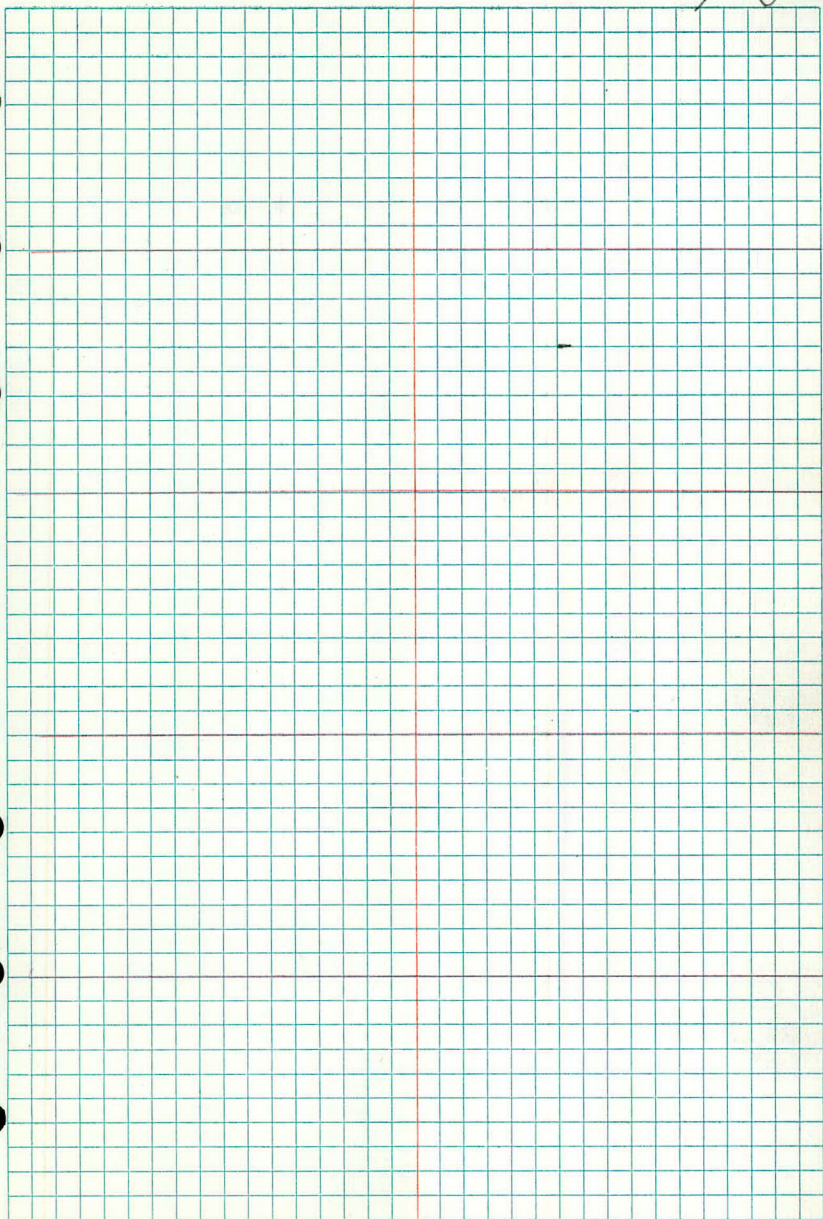
122

+80 NE 15" CM
31

121

120

T-9



125

$$\checkmark +72 \frac{N.E. Culv}{45}$$

$$\checkmark +49 \frac{SE Culv}{39}$$

124

$$\checkmark +81 \frac{NE Culv}{32}$$

$$\checkmark +76 \frac{NE Culvert}{31}$$

↓

$$\checkmark +45 \frac{SE Culv}{29}$$

$$\checkmark +17 \frac{SP}{30}$$

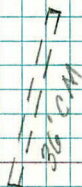
123

$$\checkmark +05 \frac{NE Culv}{29}$$

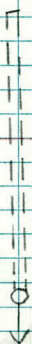
Tangent Line

T-10

26' CM
Barriol



40



127

126

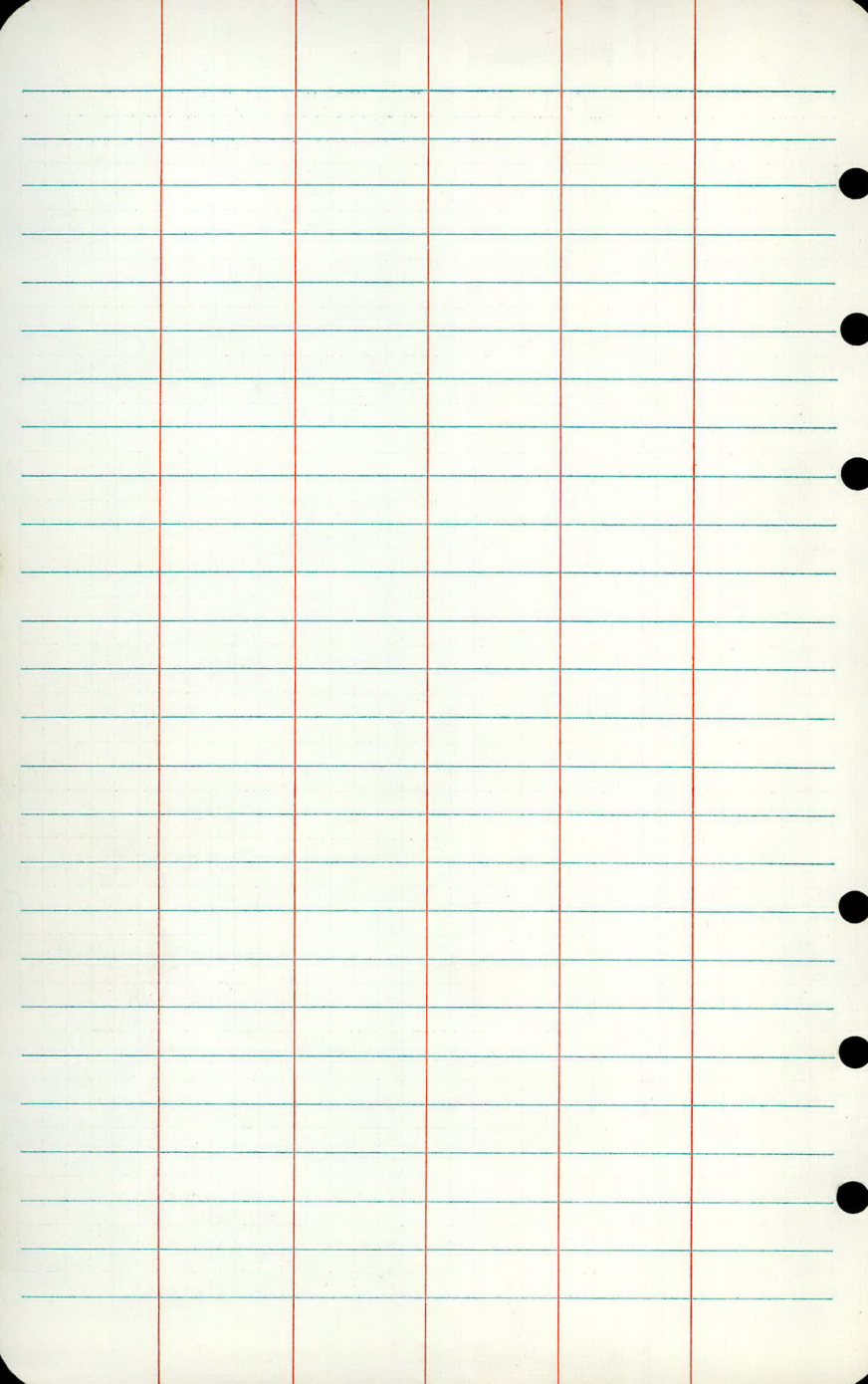
✓ +69 $\frac{NE Culv}{81}$

✓ +38 $\frac{S.E Culv}{65}$

125

T-11

ADICM
E-11



FK
BW

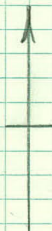
May 15, 1974

145+08.82

1/4 Cor. Mon.

CEMETERY RD.

N



LONG LAKE ROAD

SCHOOL

127+38.77

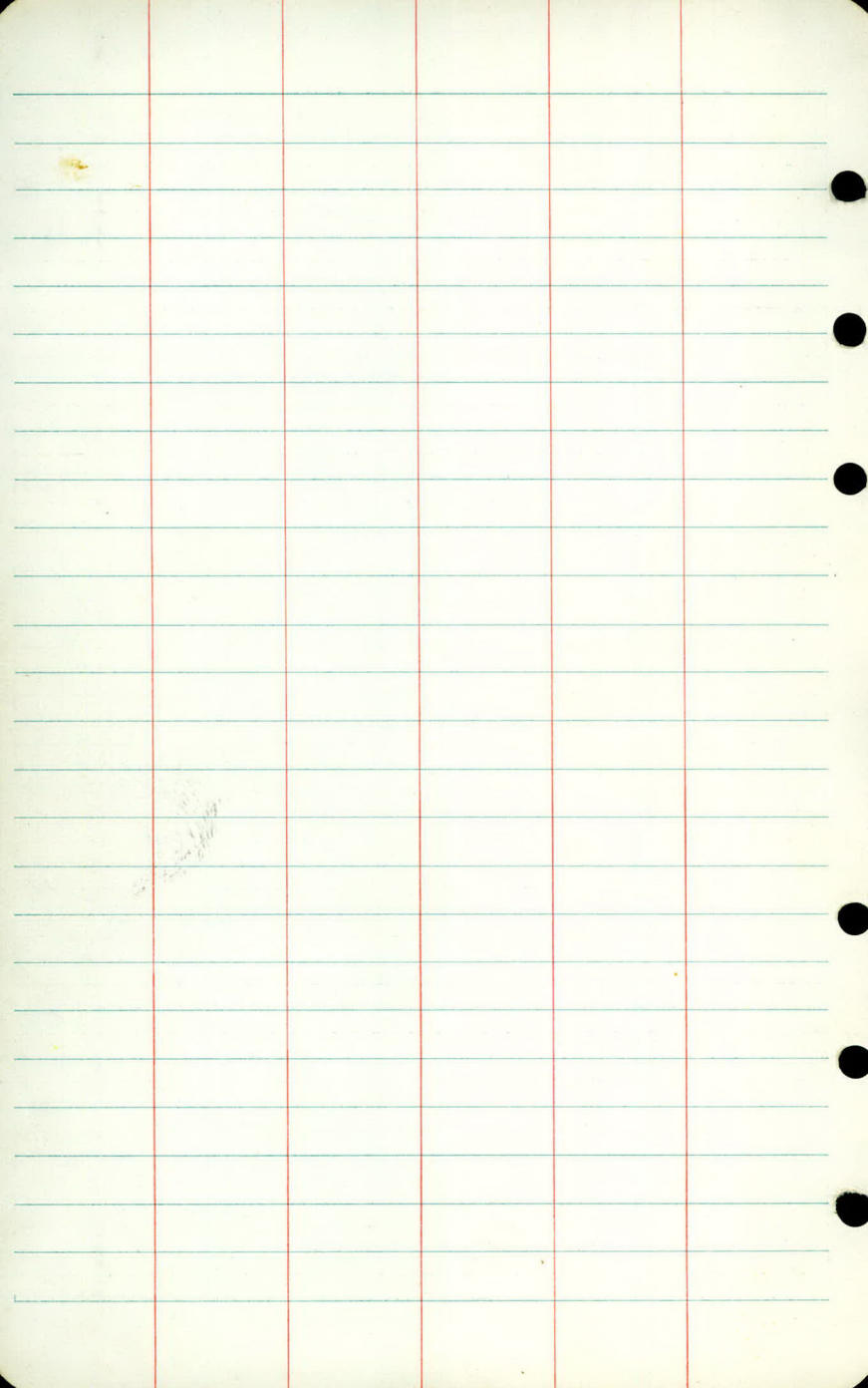
33'

89° 14'

spike

5'

21



KP
LPD
GA

12 JUNE 1974 1,

8TH AVE NW
STH8 TO CEMETARY RD
TOPOGRAPHY

Also Known as
LONG LAKE ROAD

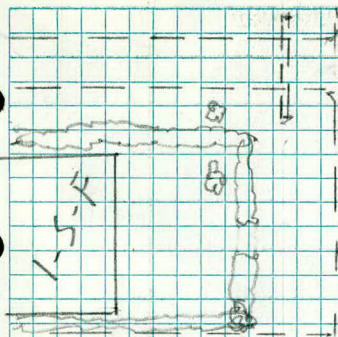
+50	LT	SE Cor Ho	RD	RT
+49	12" CM	63	17 15	
	26			
+38	10' ENT	+28	12" CM	
+23	HEDGE	+29	4" Birch	
	34-W		42	
+15	4" M	+20	NE Cor Ho	
	42		63	
129+00		+87	SE Cor Ho	RD
			63	
+84	HEDGE	+85	20" ELM	
	33-W		41	+79 PP
+77	10' ENT	+67	HEDGE	28
			42-W	
+66	22" ELM	+60	NE Cor Ho	
	32		63	
	+51	STP		
+50		43	RD	
+28	SE Cor Ho	+41	1" M	
	64		18 14	
+27	LITE		40	
	40		+28 Bush	
+17	10' BT. ENT		32	
	+05	24" COTT		
		46		
128+00			RD	
			18 14	
+75	Bush			
	60			
	+70	NE Cor Ho		
		63		
+50			RD	
+37	SE Cor Ho		18 15	
	63			
	+31	1/2 CONC. 8' ENT	+43	ER
			16	+45 PP
+21	1/2 9' ENT			28
				+40 FE
	+09	FE		32-E
		33-W		
127+00			+25	PP
			36	
				PP
				76

12 JUNE 1974 2.

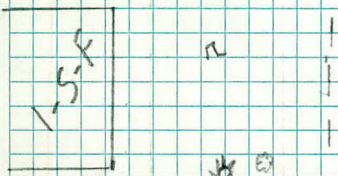
LT

£

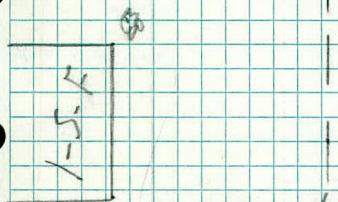
Rt



HEDGE



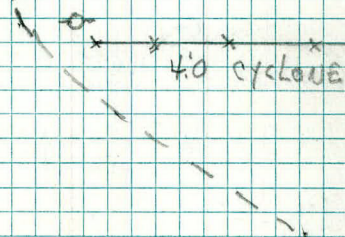
BT



GRAVEL

GRAVEL

4.0 cyclone



+50 RD
15

+50 7" BE
34
+40 & 10.0 ENT. 46 FE Cor RD
34-W 22

+26 HEDGE +36 NE Cor Ho +30 PP
28-56 63 27

+18 SE Cor Ho
62 +09 12" ELM

130+00 37 RD \$ 21.0 ENT.
15 15

+94 6-8" BE +94 PARKING LOT
42 17-E

+87 NE Cor Ho
63

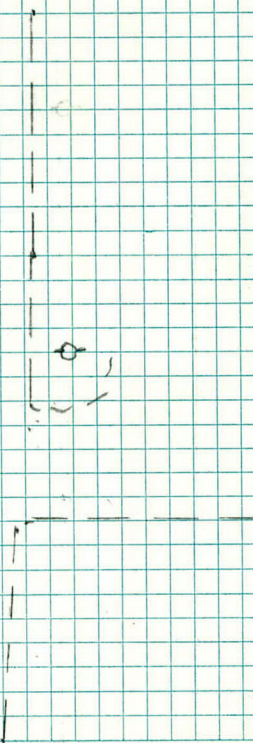
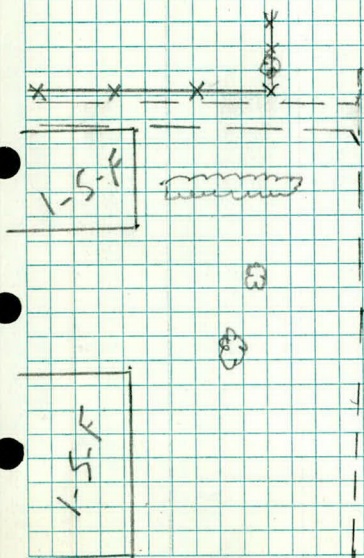
129+50 SE Cor Ho RD
63 17 15

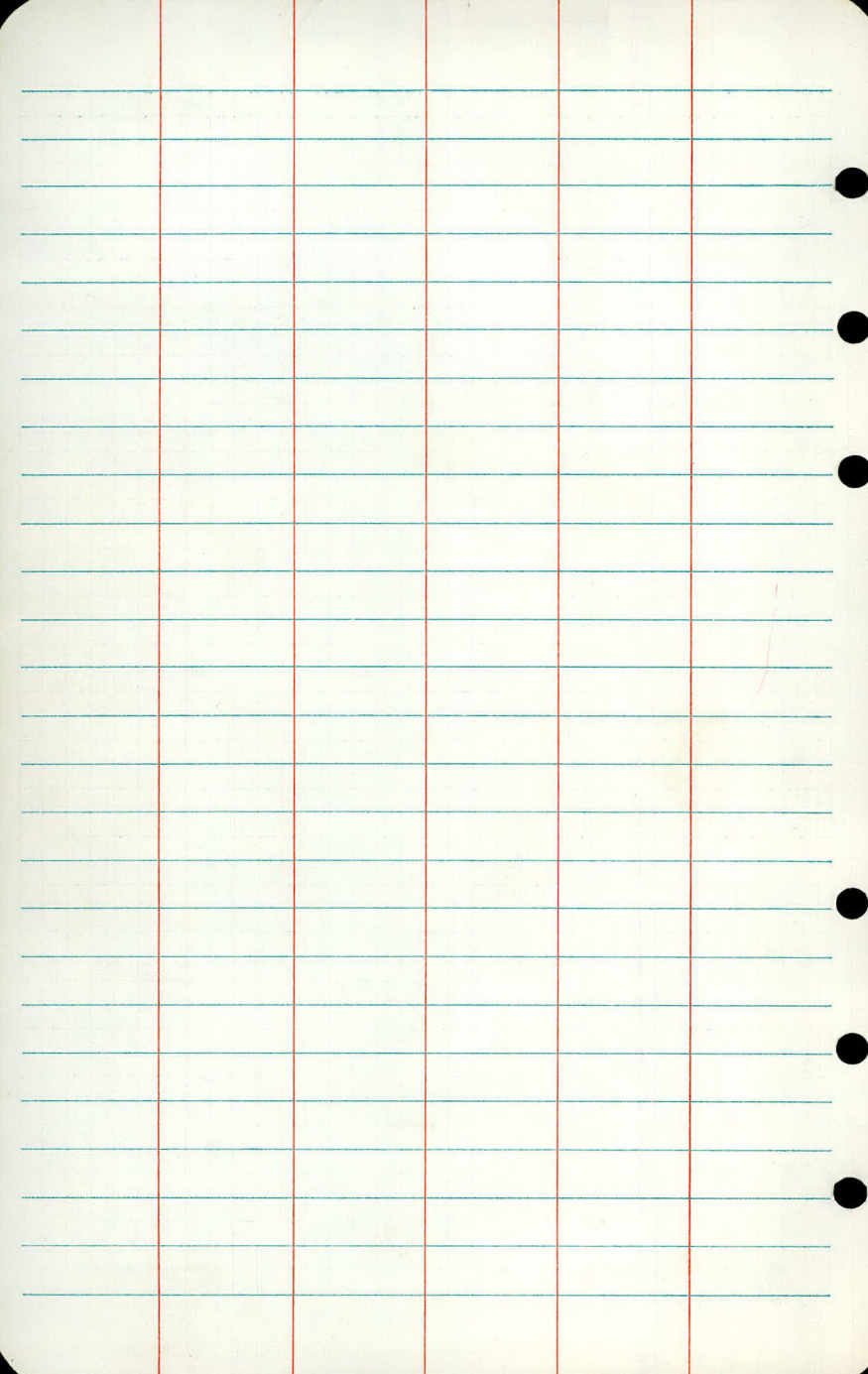
12 June 1974 3.

LT

E

RT





Entrance Rt

Rt Sta 131+37

Sta	+	π	-	Elev
-----	---	-------	---	------

BM	2.83	925.04		922.21
----	------	--------	--	--------

0+00	$\pm$		+0.2	925.24
------	-------	--	------	--------

0+40				
------	--	--	--	--

+66				
-----	--	--	--	--

TP	1.57	916.78	9.83	915.21	Guy Wire
----	------	--------	------	--------	----------

+50				
-----	--	--	--	--

+82	So.	Line House		
-----	-----	------------	--	--

BM			+0.55	917.33	Spike in P.P. where Duck was
----	--	--	-------	--------	------------------------------------

FK
RG

July 15, 1974

LT

£

RT

2

Spike in Civil Defence Siren Pole Lt 131

20.14

18.74

18.14

17.74

17.34

17.44

16.74

16.94

49 6.3 6.9 7.3 7.7 7.60 8.3 8.1
50 31 16 16 21 38 50

R-W
Man

17.14

16.64

15.04

14.04

12.44

12.04

12.14

7.9 8.4 10.0 11.0 12.6 13.0 12.9
50 29 15 19 38 50

15.78

16.38

14.78

12.68

12.08

11.88

11.68

12.38

12.78

1.0 0.4 2.0 4.1 4.7 4.9 5.1 4.4 4.0
36 50 28 16 18 29 36 50

15.78

15.18

12.38

11.88

11.78

10.58

10.98

11.38

1.0 1.6 4.4 4.9 5.0 6.2 5.8 5.4
47 35 31 11 19 30 50

HQ Elev.

14.28

14.68

13.28

11.88

11.68

11.18

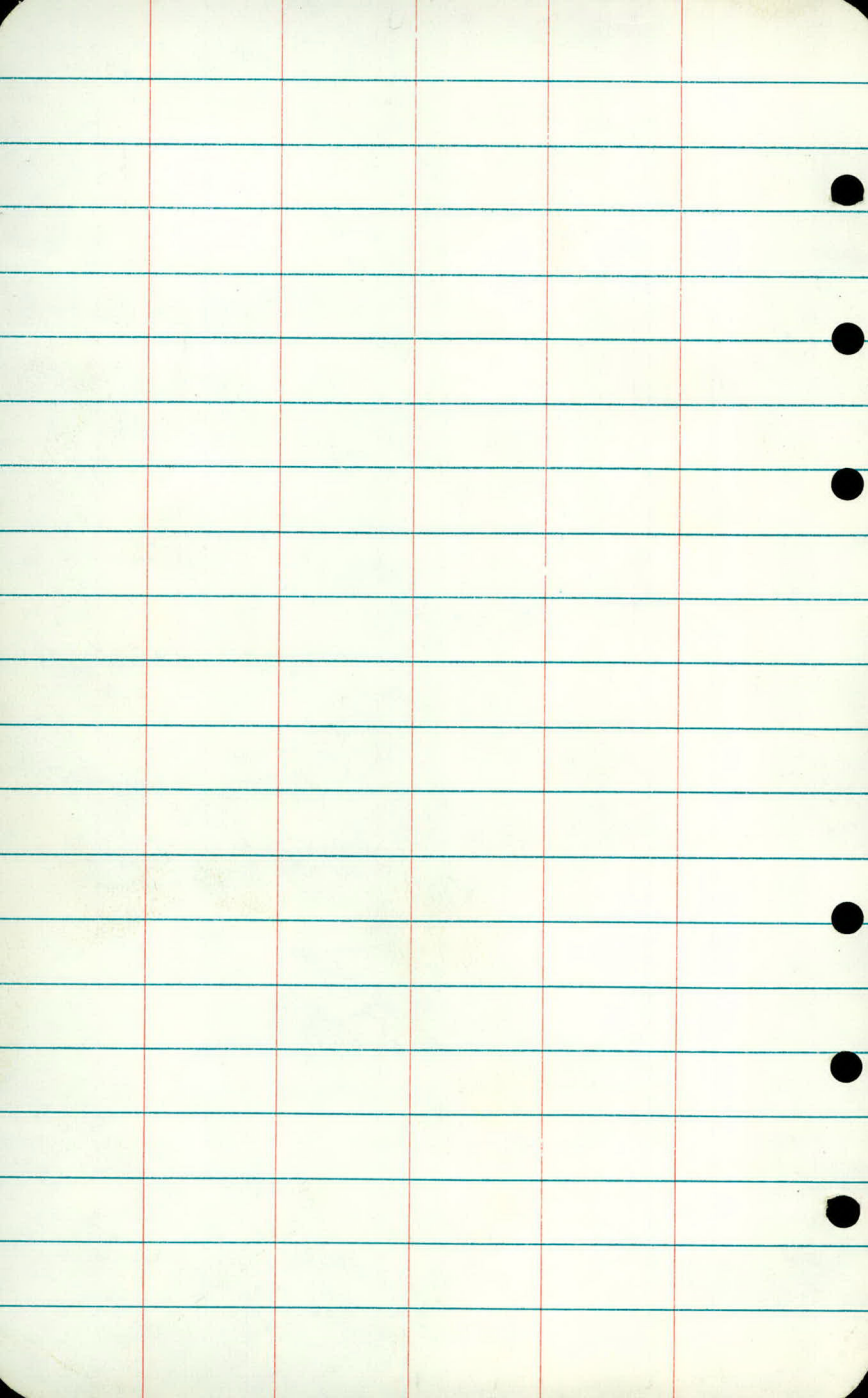
11.18

11.18

11.28

25 2.1 3.5 4.9 5.1 5.6 5.6 5.6 5.5
41 33 22 21 12 14 30 50

110

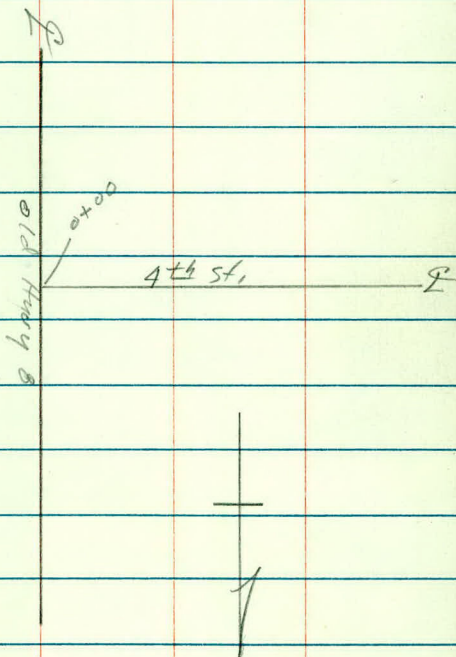


RG
LPD
CG
CG

July 31, 1975
Hazy 85°

62-677-06

4th St. Profile



Sta	+	π	-	Elv.
-----	---	-------	---	------

BM	1.56			917.36
----	------	--	--	--------

1.56			3.22	
------	--	--	------	--

0+55	from E to west		3.22	
------	----------------	--	------	--

1.56			3.22	
------	--	--	------	--

+89				
-----	--	--	--	--

1+00				
------	--	--	--	--

+20				
-----	--	--	--	--

				Ent Rt
--	--	--	--	--------

Top Hyd. by Dairy Queen (RT. Sta. 114 old 8)

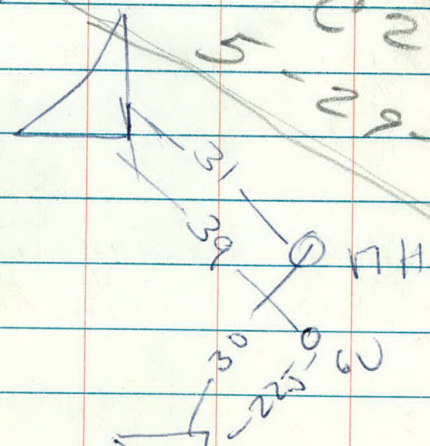
(South)	4.39	3.42	3.70	3.16
12			12 NORTH	T.C

6.62	6.62	4.92	3.68	7.25	7.25	3.88
FL	FL	12		12	FL	TOP EAST
12" RCP	12" RCP	S.D.		S.D.	12 RCP	to south
WEED Flows E.	SO. END					

4.34	3.63	4.07	3.52
12		12	12
		BC	TC

4.16	3.59	4.00	3.44	3.17
12		12	27	40

~~Can Rd Road~~
5-22-23



39th

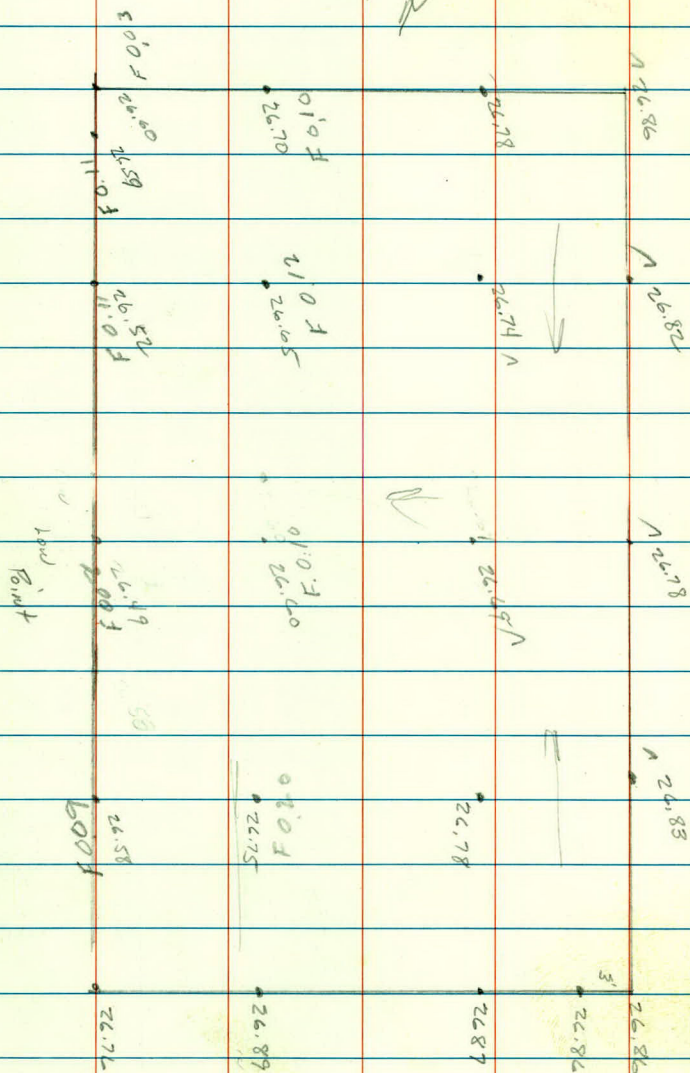
330-6549

Bekquist REFRIGERATION

PARKING AREA

PROPOSED PARKING AREA

BERQUIST REFRIG



Existing

BERQUIST REF.
Oct 1, 1976

