OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

PLAN Survey

ROSELAWN AVE

From CLEVELAND To FAIRVIEW

Road Acc't. No. 114

Date Filed 4-7-81 File

M.L.
RC
BW
MR

PLAN SURVEY
ROSELAWN AVE
CLEVELAND AVE TO FAIRVIEW AVE

ALINEMENT 1-2

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STRUCTURES

M.L.
R.C.
B.W.
M.R.

Nov 15, 78

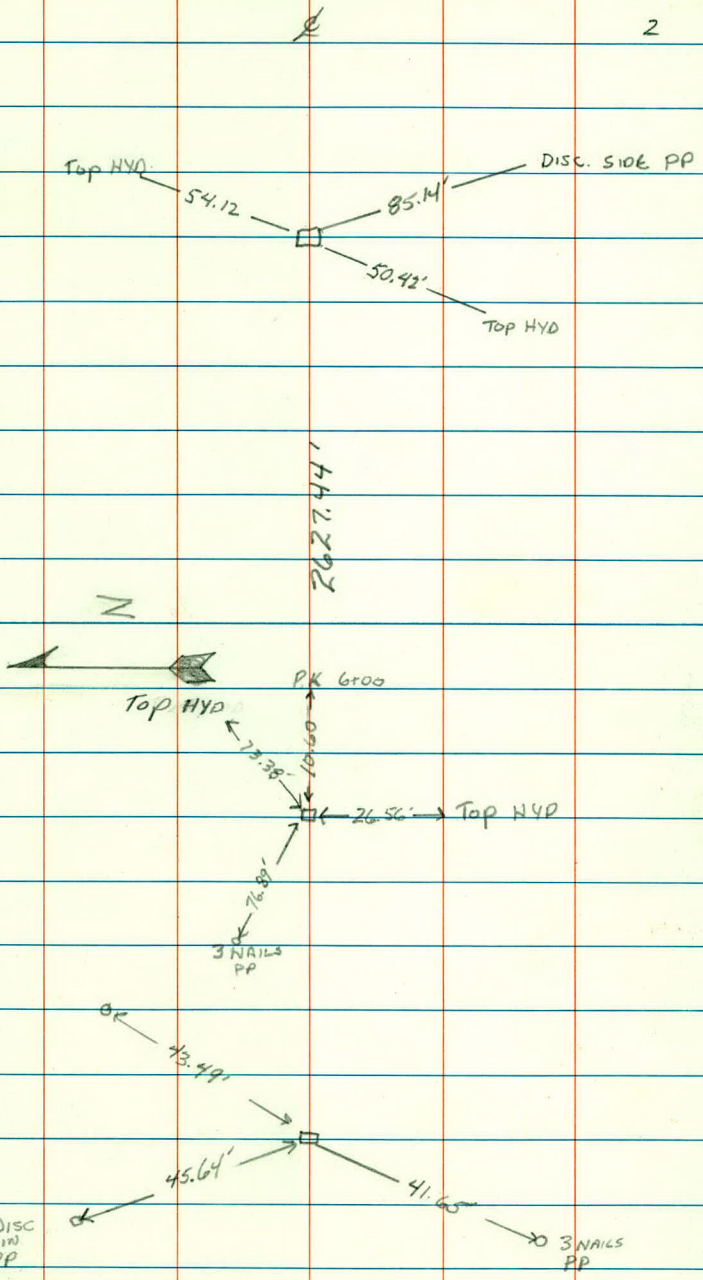
SUNNY 31° 1

ALINEMENT

ROSELAWN AVE

CLEVELAND AVE TO FAIRVIEW AVE

STA	PT.				
26+27.44	CAST IRON MONUMENT	FAIRVIEW + ROSELAWN			
5+89.40	P.O.L.				
0+00	CAST IRON MONUMENT	CLEVE. + ROSELAWN			


℄
Top HYD
54.12
85.14'
DISC. SIDE PP
50.42'
Top HYD
2627.44'
N
Top HYD
PK 6+00
73.38'
10.60
26.56'
Top HYD
76.89'
3 NAILS PP
43.49'
45.64'
41.65
DISC IN PP
3 NAILS PP

M.L.
B.W
M.R.
J.T

OCT. 24, 78
SUNNY 65°

3

BENCH LEVELS

ROSELAWN AVE

FAIRVIEW TO CLEVELAND

	+	Π	−	ELEV	
BM_1	3.17	986.56			983.39
BM_2			3.98	982.58	
BM_3	2.69	986.39	2.86	983.70	
BM_4	1.74	985.84	2.29	984.10	
TP_5	5.03	986.89	3.98	981.86	
BM_6	3.22	988.67	1.44	985.45	
BM_7	5.11	993.21	0.57	988.10	
BM_8			2.05	991.16	
BM_9	1.65	992.50	2.36	990.85	
BM_{10}	0.42	989.58	3.34	989.16	
BM_{11}	5.09	989.78	4.89	984.69	
BM_{10}	3.68	992.84	0.62	989.16	
BM_9	2.41	993.25	2.00	990.84	
BM_7	2.13	990.23	5.15	988.10	
BM 6	0.11	985.59	4.75	985.48	
BM 4	2.85	986.94	1.50	984.09	
BM 12			3.27	983.67	
BM 3	1.26	984.95	3.25	983.69	
BM 2	4.57	987.18	2.34	982.61	
BM 1			3.78	983.40	983.39

MC.
BW.
MR.
J.T.

OCT 24, 78
SUNNY 65°

4

DESCRIPTION

TOP HYD. S.W. COR FAIRVIEW & ROSELAWN

TOP HYD STA 21+36 20' Rt.

TOP HYD S.W. COR. ROSELAWN & TATUM

P.K. STA 17+00

TOP HYD. S.W. COR. ROSELAWN & PRIOR AVE.

TOP HYD STA 10+85 LT 20'

TOP HYD SW COR ROSELAWN & AUTUMN

TOP HYD STA 5+89 Rt. 20'

TOP HYD STA. 3+20 Lt. 20'

TOP HYD N.W. COR ROSELAWN & CLEVELAND

TOP HYD 19+75

M.L.
R.S.
BW
MR

Nov 13, 78
Cloudy 35°

X- SECTIONS
ROSELAWN AVE
CLEVELAND AVE TO
FAIRVIEW AVE

STA	+	π	−	ELEV.	
	3.08	987.77			984.69
0-100					
✓					
0-50					
0-38			9.54	978.23	
0-31	DITCH	TO THE	SOUTH		
0-22					

ML
RC
BW
MR

LT ℄ RT NOV 13, 78.

18

Top HYD N.W. COR CHEVE + ROSELAWN

85.0	83.4	81.8	81.9	82.18	81.1	80.1	80.2
2.8	4.4	6.0	5.9	5.59	6.7	7.7	7.6
43	31	25	14		19	27	33 FE

77.6	77.19
10.2	10.58
55	63 POND

77.8	83.5	82.4	82.0	82.2	82.56
10.0	4.3	5.4	5.8	5.6	5.21
54	46	31	24	15	

78.1	77.5
9.7	10.3
67	86

APRON 54 LT

82.6	82.7	82.1	82.1	82.2	82.53	82.3	81.5	81.0	80.8
5.2	5.1	5.7	5.7	5.6	5.24	5.5	6.3	6.8	7.0
100	61	57	50	30		28	37	64	100

82.70	82.2	81.6	81.7
5.07	5.6	6.2	6.1
	34	72	100

STA	+	π	−	ELEV
		987.77		
0-10			4.76	983.01
0+00		℄ CLEVELAND AVE		
↓				
0+21			4.90	982.87
0+23			5.05	982.72
0+24			6.06	981.71
0+33			5.39	982.38
0+33				
0+45			5.40	982.37

M.L.
RC
BW
MR

Nov 13, 78

19

Lt			℄			Rt		
M.H. Lt 18'								
84.04	83.73	83.40	83.13	83.02	82.90	82.73	82.58	82.33
3.73	4.04	4.37	4.64	4.75	4.87	5.04	5.19	5.44
100	75	50	22		25	50	75	100
84.25	84.57		85.06	85.48	82.14	82.16	82.17	82.20
3.52	3.20		2.71	2.29	5.63	5.61	5.60	5.57
125	150		175	200	200	175	150	125

C.B. Lt 45'

M.H. Lt 18'

M.H. Rt 58'

C.B. Lt 52'

83.6	83.1	82.6	82.5	82.75	82.2	81.8	80.2
4.2	4.7	5.2	5.3	5.02	5.6	6.0	7.6
104	82	55	22		29	60	77

C.B. Lt 22'

STA	+	π	−	ELEV
		987.77		
T.P.	7.17	990.59	4.35	983.42
0+55				
✓				
1+00				
✓				
1+50				

Nov 13, 78

M.L.
RC
BW
MR

LT					℄			RT			2Δ
P.K. @ 1+00											
88.9	87.8	86.0	82.5	82.8	82.89	82.4		82.1	82.9	81.9	81.4
1.7	2.8	4.6	8.1	7.8	7.70	8.2		8.5	7.7	8.7	9.2
100	78	38	21	15		15		25	30	34	44
									79.4	80.7	82.1
									11.2	9.9	8.5
									100	80	65
87.8	88.6	87.8	86.8	83.0	83.1	83.42	83.0	82.6	83.1	82.9	84.1
6.8	2.0	2.8	3.8	7.6	7.5	7.17	7.6	8.0	7.5	7.7	6.5
100	75	49	38	19	14		15	24	30	35	45
								78.55	80.4	83.3	84.2	84.3
								12.04	10.2	7.3	6.4	6.3
								175	160	130	100	79
								WATER				
87.5	87.4	88.2	88.8	83.7	83.8	83.99	83.7	83.3	83.7	84.9	84.9	84.9
3.1	3.2	2.4	1.8	6.9	6.8	6.60	6.9	7.3	6.9	5.7	5.7	5.7
100	83	52	29	26	14		16	24	31	48	79	100

STA	+	π	−	ELEV
		990.59		
T.P	7.61	992.05	6.15	984.44
2+00	℄ ENTRANCE Rt			
2+50				
+83			7.24	984.81
3+00				
✓				

M.L.
RC
BW
MR

Nov 13, 78

21

LT ℄ RT

P.K. @ 2+00

88.4	87.9	86.9	87.2	84.3	84.4	84.44	84.2	85.2	85.6	85.6	85.5	
3.7	4.2	5.2	4.9	7.8	7.7	7.61	7.9	6.9	6.5	6.5	6.6	
100	64	36	29	19	14		14	45	64	92	100	
91.9	90.2	88.4	87.2	87.2	84.4	84.8	84.78	84.7	84.5	86.6	85.8	85.9	85.6
0.2	1.9	3.7	4.9	4.9	7.7	7.3	7.07	7.4	7.6	5.5	6.3	6.2	6.5
100	82	62	39	28	19	14		14	20	36	44	66	92

M.H. LT 18'

87.7	88.0	85.1	85.4	85.38	85.3	85.1	85.7	86.8	86.1
4.4	4.1	7.0	6.7	6.67	6.8	7.0	6.4	5.2	6.0
51	32	19	14		14	17	28	33	44
									Bit.
89.7	91.4							86.0	86.7
2.4	0.7							6.1	5.9
74	92							93	68

STA	+	π	−	ELEV
		992.05		
3+50				
✓				
T.P.	5.57	992.20	5.42	986.63
4+00				
+50				
✓				

M.L.
RC
BW
MR

Nov 13, 78

LT					℄			RT			22
0.98	2.98	4.98	5.98	5.98	6.98	8.98	8.98	6.98	4.98	5.98	7.98
3.1	3.9	4.7	3.9	6.6	6.4	6.01	6.3	6.2	4.2	5.6	5.5
100	71	44	31	20	14		14	26	36	45	67
										BIT	
											8.98
											5.7
											92

P.K. ℄ 4+00

0.98	8.98	7.98	8.98	1.98	3.98	3.98	3.98	4.98	7.98	7.98	9.98
6.2	6.4	6.5	6.4	6.1	5.57	5.9	6.4	4.4	5.6	5.5	5.6
100	89	59	34	14		14	22	36	45	68	92
									BIT		
	7.98		7.98	7.98	4.98	6.98	5.98	2.98	5.98	8.98	9.98
	6.6	6.5	6.5	5.8	5.34	5.7	6.0	4.7	5.4	5.3	
	100	65	35	14		14	26	36	46	67	
									BIT		
											7.98
											5.5
											92

STA	+	π	−		
		992.20			
5+00					
✓					
+12			7.78	984.42	
+35		& ENT. LT (BIT)			
✓					
T.P.	4.83	995.68	1.38	990.82	990.85
+73		& ENT. RT (B.T.)			

ML
RC
BW
MR

Nov 13, 78

23

		LT			℄					
87.1	86.2	86.1	85.9	86.8	87.26	87.0	86.9	88.0	87.1	87.1
5.1 100	6.0 68	6.1 42	6.3 21	5.4 14	4.94	5.2 14	5.3 30	4.2 37	5.1 46 BH	5.1 68

87.0

5.2
92

MH. LT 20'

88.2	87.9	88.3	87.3	87.5	87.76	87.4	87.3	88.7	87.5	87.3
40 100	4.3 93	3.9 73	4.9 27	4.7 14	4.44	4.8 14	4.9 26	3.5 36	4.7 45	4.9 68

87.1

5.1
92

Top HYD 5+89 LT 27'

94.5	92.6	90.2	87.8	88.1	88.28	88.1	88.1	87.5
12. 88	3.1 63	5.5 32	7.9 20	7.6 15	7.40	7.6 13	7.6 45	8.2 92

STA	+	π	—	
		995.68		
6+00				
+			6.82	988.86
T.P	7.70	996.44	6.94	988.74
6+50				
7+28	℄ ENT. LT (BIT)			
7+36				
8+00				

ML
RC
BW
MR

Nov 14, 78

Cloudy 32° 24

95.6	94.8	92.4	88.4	88.4	88.42	88.1	88.6	89.9	90.2	89.4
0.1	0.9	3.3	7.3	7.3	7.26	7.6	7.1	5.8	5.5	6.3
82	66	36	18	14		15	27	41	58	90

M.H L 21'

P.K. & 7+00

96.2	95.7	93.8	88.9	88.61	88.5	88.8	89.8	90.5	89.9
0.2	0.7	2.6	7.5	7.83	7.9	7.6	6.6	5.9	6.5
65	51	30	14		13	24	34	50	83
92.8	92.7	91.8	89.2	88.92	88.6	88.9	92.2	92.3	92.1
3.6	3.7	4.6	7.2	7.52	7.8	7.5	4.2	4.1	4.3
74	52	36	12		12	21	33	45	68
92.6	92.7	92.4	89.1	88.96	88.7	88.8	88.7	89.0	89.1
3.8	3.7	4.0	7.3	7.48	7.7	7.6	7.7	7.4	7.3
78	52	32	12		12	19	32	53	71
90.1	89.8	88.8	88.6	89.02	88.8	89.1	89.8		
6.3	6.6	7.6	7.8	7.42	7.6	7.3	6.6		
39	30	22	13		12	32	59		

G. W.

STA	+	π	−	ELEV
		996.44		
8+51		℄ AUTUMN RT		
9+00				
9+50				
+60			10.44	986.00
+86		℄ ENT LT (BIT)		
T.P.	3.63	990.32	9.75	986.69

ML
RC
BW
MR

Nov 14, 78

LT			℄		RT		25
87.6	87.7	88.3	88.84	88.31	88.14	88.10	88.10
8.8 38	8.7 22	8.1 14	7.60	8.13 20	8.30 50	8.34 75	8.34 100
G.H.							
87.6	86.9	87.6	87.74	87.7	87.4	88.3	88.6
8.8 38	9.5 23	8.8 12	8.50	8.7 12	9.0 22	8.1 38	7.8 63
G.H.							
86.6	86.2	86.9	87.0	87.14	86.9	86.2	87.5	88.0
9.8 35	10.2 19	9.5 15	9.4 11	9.25	9.5 12	10.2 24	8.9 42	8.4 63
G.H							
M.H. 23' RT							
86.6	86.5	86.5	86.6	86.83	86.5	86.4	86.4	86.3	86.6
9.8 65	9.9 41	9.9 23	9.8 10	9.61	9.9 11	10.0 17	11.0 19	10.1 23	9.8 59
P.K. @ 10+00							

STA	+	π	−	ELEV.
		990.32		
10+04			℄ ENT RT (CONC)	
10+74	℄ ENT LT (CONC)			
11+00				
11+58			℄ ENT RT (CONC)	
11+74	℄ ENT LT (BIT)			
T.P.	3.51	989.51	4.32	986.00

MC
RC
BW
MC

Nov 14, 78

26

LT					℄			RT		
86.3	86.0	85.5	86.2	86.4	86.67	86.4		86.3	86.33	87.09
4.0	4.3	4.8	4.1	3.9	3.65	3.9		4.0	3.99	3.23
77	46	29	16	12		11		16	32 CONC	56
86.47	86.31	85.8	86.1	86.0	86.38	86.1		86.0	84.9	85.8	86.5
3.85	4.01	4.5	4.2	4.3	3.94	4.2		4.3	5.4	4.5	3.8
77	58 CONC	35	14	11		11		16	23	30	75
86.1	86.0	85.6	85.0	86.0	86.31	86.1		85.8	85.2	85.7	86.1
4.2	4.3	4.7	5.3	4.3	4.01	4.2		4.5	5.1	4.6	4.2
80	46	29	20	14		10		16	23	43	65
86.2	85.9	85.1	85.1	86.0	86.1	86.27		85.7	85.6	85.72	87.34
4.1	4.4	4.7	5.2	4.3	4.2	4.05		4.6	4.7	4.60	2.98
94	41	27	22	16	12			11	18	33	65
86.4	86.3	86.1	85.9	86.0	86.16	85.7		85.7	85.0	85.8	86.2
3.9	4.0	4.2	4.4	4.3	4.16	4.6		4.6	5.3	4.5	4.1
97	71	38	19	11		11		17	26	42	62

P.K. ℄ 12+00

STA	+	Π	−	ELEV
		989.51		
12+04			℄ ENT RT (CONC)	
12+31	℄ ENT LT (CONC)			
13+05	℄ ENT LT (DIRT)			
13+18			℄ ENT RT (CONC)	
+40			6.30	983.21
+61			6.18	983.33
+74		℄ PRIOR LT		
+75			5.94	983.57

ML
RC
BW
ML

NOV 14, 78

LT				℄			RT			27
87.3	86.9	86.0	84.7	85.5	85.95	85.4	85.4	85.2	85.13	85.69
2.2 8	2.6 61	3.5 29	4.8 21	4.0 14	3.56	4.1 10	4.1 16	4.3 25	4.38 33 CONC	3.82 57
87.25		86.66	86.20	85.4	85.65	85.0	84.9	84.6	84.6	85.4	85.5
2.26 100		2.85 49	3.31 26 CONC	4.1 14	3.86	4.5 11	4.6 17	4.9 21	4.9 26	4.1 30	4.0 61
		86.8	85.4	84.5	84.46	84.2	84.2	83.6	84.7		
		2.7 100	4.1 50	5.0 16	5.05	5.3 11	5.3 17	5.9 22	4.8 62		
86.0	84.8	84.4	83.9	86.2	84.3	84.0	83.8	84.16	84.61		
3.5 100	4.7 69	5.1 27	5.6 22	3.3 15	5.20	5.5 11	5.7 23	5.35 33 CONC	4.90 57		

C.B. LT 21'

C.B LT 44'

	83.45	83.26	83.17	83.71	83.82	83.5	83.3	82.8	83.4	84.2
	6.06 100	6.25 75	6.34 45	5.80 13	5.69	6.0 12	6.2 17	6.7 23	6.1 37	5.3 59

M.H. LT 16'

STA	+	π	−	ELEV	
		989.51			
13+88			7.23	982.28	
+88			5.92	983.59	
14+00					
14+47	℄ ENT LT (DIRT)				
	1.05	986.53	4.03	985.48	985.48 ?
+73			4.61	981.92	
15+12			3.90	982.63	
+12			℄ PRIOR RT		

ML
RC
BW
MR

Nov 14, 78

Lt ℄ Rt 28

C.B. Lt 43'

M.H. Rt 2'

83.6	83.1	83.1	83.0	83.50	83.4	82.6	83.0	83.5	83.8
5.9	6.4	6.4	6.5	6.01	6.1	6.9	6.5	6.0	5.7
86	45	23	18		14	22	30	49	68
82.7	82.7	82.6	83.2	83.22	82.9	82.3	82.3	84.0	
6.8	6.8	6.9	6.3	6.29	6.6	7.2	6.7	5.5	
100	61	26	15		13	20	28	57	

Top HYD Roadway + Prior SW Cor

C.B. Rt 23

M.H. Rt 22'

82.4	82.1	82.6	82.9	83.12	82.79	82.70	82.98	83.28
4.1	4.4	3.9	3.6	3.41	3.74	3.83	3.55	3.25
78	39	21	16		12	45	83	100

STA	+	⊼	−	ELEV
		986.53		
15+21			3.45	983.08
+50			4.81	981.72
+50				
+85	℄ ENT LT (BIT)			
+91			4.46	982.07
16+46			5.59	980.94
+49			4.51	982.02
+50				

ML
RC
BW
MR

Nov 14, 78

Lt	℄	Rt	29

M.H. Rt 1'

C.B. Rt 22'

82.8	82.3	82.4	82.7	83.10	82.8	81.7	82.4	83.4	83.8
3.7	4.2	4.1	3.8	3.43	3.7	4.8	4.1	3.1	2.7
72	45	21	16		14	22	26	53	67

83.0	82.2	81.9	82.3	82.74	82.7	82.6	81.6	82.9	84.2
3.52	4.3	4.6	4.2	3.79	3.8	3.9	4.9	3.6	2.3
79	49	30	15		13	17	20	31	57
CONC									

M.N. Lt 19'

C.B. Rt 21

M.N. Rt 2

81.6	81.2	80.7	81.2	81.6	82.00	81.8	81.4	82.3	83.2
4.9	5.3	5.8	5.3	4.9	4.53	4.7	5.1	4.2	3.3
75	57	42	21	15		14	21	33	58

STA	+	⊼	—	ELEV
		986.53		
16+92			℄ ENT RT (CONC)	
17+32	℄ ENT RT (CONC)			
+67			6.00	980.53
+68			5.38	981.15
+68			6.55	979.98
+78			5.33	981.20
+99			5.24	981.29
			5.40	981.13
+04				
T.P.	6.93	988.14	5.32	981.21
18+05				
+06			7.61	980.53
+07			℄ TATUM RT	

ML
RC
BW
MR

Nov 14, 78

LT				℄			Rt			30
82.0	81.3	80.9	81.4	81.6	81.89	82.0	82.0	82.37	83.81	84.04
4.5	5.2	5.6	5.1	4.9	4.64	4.5	4.5	4.16	2.72	2.49
70	48	34	22	16		13	21	30 Conc	53	63
	82.16	81.50	80.78	81.2	81.60	81.5	81.3	82.6	83.3	84.0
	4.37	5.03	5.75	5.3	4.93	5.0	5.2	3.9	3.2	2.5
	65	47	29 Conc	15		14	19	33	44	61

CB Rt 22'

M.H. LT 1'.

C.B. Rt 22

M.H. Rt 15'

M.H. Rt 4'

M.H LT 4'

P.K ℄ 18+00

79.80	79.97	80.09	80.74	81.21						
8.34	8.17	8.05	7.40	6.93						
100	73	48	16							
	M.H LT 21'			81.21	81.33		81.44		81.73	
				6.93	6.81		6.70		6.41	
					15		48		78	

STA	+	π	−	ELEV
		988.14		
18+06			6.85	981.29
+12			8.13	980.01
+43			8.37	979.77
+45			7.97	980.17
+50				
+68			7.26	980.88
+94			STEPS	RT
19+24	℄ ENT	LT (CONC)		

M.L.
RC
BW
MR

Nov 14, 78

LT	℄	RT	31

M.H. RT 23'

M.H. LT 51'

C.B. LT 22

C.B. RT 21

80.5	80.6	80.1	80.1	80.0	80.4	80.88	80.5	80.8	81.8	82.3	82.9
7.6	7.5	8.0	8.0	8.1	7.7	7.26	7.6	7.3	6.3	4.8	4.2
69	41	35	25	21	16		13	20	26	44	61

M.H. RT 2'

81.2	80.8	80.2	80.5	80.8	81.24	81.1	81.7	82.32	86.42	87.21
6.9	7.3	7.9	7.6	7.3	6.90	7.0	6.4	5.82	1.72	0.93
66	39	31	21	16		13	19	28	49	63
								Steps	STEPS	No.

81.48	81.16	81.19	81.0	81.2	81.64	81.4	82.1	84.9	86.5
6.66	6.98	6.95	7.1	6.9	6.50	6.7	6.0	3.2	1.6
69	48	29	20	15		13	27	45	60
		CONC							

STA	+	π	−	ELEV	
		988.14			
19+77			℄ ENT RT (DIRT)		
20+00					
+42			6.18	981.96	
T.P.	1.66	985.36	4.42	983.72	983.70
+77	℄ ENT LT (DIRT)				
21+20			℄ ENT RT (DIRT)		
+49			5.85	979.51	

ML
RC
BW
MR

Nov 14, 78

Lt				℄				Rt	32
81.5	81.4	81.3	80.7	81.3	81.90	81.8	81.8	82.4	83.1	84.4
6.6	6.7	6.8	7.4	6.8	6.24	6.3	6.3	5.7	5.0	3.7
77	59	37	21	15		13	26	43	61	87
81.6	81.7	81.4	80.6	81.4	81.96	81.8	81.8	82.5	83.3	84.2
6.5	6.4	6.7	7.5	6.7	6.18	6.3	6.3	5.6	4.8	3.9
77	61	33	22	15		13	23	34	53	75

M.H. Rt 3

Top HYD 21+36 Rt 20'

79.8	80.1	80.5	81.4	81.95	81.8	81.5	82.4	82.5	82.9
5.6	5.3	4.9	4.0	3.51	3.6	3.9	3.0	2.9	2.5
88	60	32	14		13	20	38	69	97
80.4	80.3	80.4	81.0	81.61	81.5	82.1	82.5	82.7	
5.0	5.1	5.6	4.4	3.75	3.9	3.3	2.9	2.7	
70	47	25	15		13	43	77	100	

12" CMP

STA	+	π	−	ELEV
		985.36		
21+60	℄ ENT LT (CONC)			
21+65			℄ ENT	RT (DIRT)
+72			6.18	979.18
22+06	℄ ENT LT (CONC)			
+11			5.78	979.58
+50				
+61			6.21	979.15
+65			4.89	980.47
+66			6.48	978.88
23+00				

ML
RC
BW
MR

Nov 15, 78

Sunny 28°
33

LT			℄		RT			
80.87	80.64	80.9	81.30					
4.49	4.72	4.5	4.06					
69	28 CONC	14						
			81.24	81.0	80.8	81.5		
			4.12	4.4	4.6	3.9		
				15	72	78		

12" CMP LT

79.51	79.15	80.5	80.80	80.6	79.6	80.1	81.1	82.0
5.85	6.21	4.9	4.56	4.8	5.8	5.3	4.3	3.4
75	28 CONC	15		15	22	32	72	91

M.H. LT. 22'

79.6	79.0	80.3	80.56	80.4	79.2	79.7	80.7	80.9	81.5
5.8	6.4	5.1	4.80	5.0	6.2	5.7	4.7	4.5	3.9
60	25	13		14	22	31	34	69	92

C.B. RT 21'

M.H. RT 21'

C.B. LT 21

79.6	79.1	80.4	80.80	80.7	79.7	79.7	80.5	81.0	81.6
5.8	6.3	5.0	4.56	4.7	5.7	5.7	4.9	4.4	3.8
63	24	14		14	23	31	34	58	91

STA	+	π	−	ELEV
		985.36		
23+30	℄ ENT LT (CONC)			
23+33			℄ ENT RT (CONC)	
+45			5.21	980.15
23+62	℄ ENT LT (CONC)			
23+70			℄ ENT RT (ROCK)	
T.P	4.82	987.03	3.15	982.21

ML
RC
BW
MR

Nov 15, 78

LT			℄		Rt		34
79.65	79.37	80.6	81.05				
5.71	5.94	4.9	4.31				
64	29	14					
	CONC						
			81.03	81.0	80.4	81.11	81.84
			4.33	4.4	5.0	4.25	3.52
				12	28	68	100
						CONC	

M.H. Rt 23'

80.64	80.41	81.1	81.46				
4.72	4.95	4.3	3.90				
67	28	15					
			81.65	81.5	81.3	81.8	82.5
			3.71	3.9	4.1	3.6	2.9
				14	26	60	100

P.K. @ 24+05

STA	+	π	−	ELEV
		987.03		
24+00				
24+50				
24+89	℄ ENT LT (CONC)			
25+00				
T.P.	6.66	987.62	6.07	980.96
+67	℄ ENT LT (CONC)			
+80			7.55	980.07
+83			7.93	979.69

ML
RC
BW
MR

Nov 15, 78

Lt			Lt		Rt		35
81.0	80.5	81.8	82.21	81.9	81.5	82.7	82.7	83.4
6.0	6.5	5.2	4.82	5.1	5.5	4.3	4.3	3.6
61	23	14		14	20	22	44	72
82.3	81.4	82.3	82.66	82.3	81.6	83.6	84.1	84.3
4.7	5.6	4.7	4.37	4.7	5.4	3.4	2.9	2.7
66	24	14		14	22	31	58	84
82.44	82.06	82.3	82.60	82.2	81.6	83.8	84.2	
4.59	4.97	4.7	4.43	4.8	5.4	3.2	2.8	
63	20 CONC	14		14	22	37	48 (ROCKY ATTACKED BY DOG)	
81.1	81.0	81.3	82.1	82.54	82.2	81.7	83.8	84.4
5.9	6.0	5.7	4.9	4.49	4.8	5.3	3.2	2.6
70	49	26	14		14	23	37	48
81.18	80.32	81.2	81.56	81.3	80.5	82.6	83.2	
6.44	7.30	6.4	6.06	6.3	7.1	5.0	4.4	
65	28 CONC	15		15	21	34	50	

C.B. Rt 22

C.B. Lt 22

STA	+	⊼	−	ELEV	
		987.62			
26+00					
+02			7.75	979.87	
+03			6.73	980.89	
+06			6.82	980.80	
+06			7.27	980.35	
+08			7.07	980.55	
+29		℄ FAIRVIEW AVE			
✓					
B.M			4.25	983.37	983.39

ML
RC
BW
MR

Nov 15, 78

LT			℄			Rt		36
78.0	78.7	80.2	80.6	80.96	80.7	79.9	81.2	80.2
9.6	8.9	7.4	7.0	6.66	6.9	7.7	6.4	7.4
78	44	31	20		23	46	57	100
							DR.	

12 CMP Rt 46'

M.H. Rt 2

M.H Rt 23'

C.B. Rt 44'

M.H. LT 21'

79.04	79.60	80.28	80.64	80.87	81.09	81.27	81.61	81.86
8.58	8.02	7.34	6.98	6.75	6.53	6.35	6.01	5.76
100	75	50	25		25	50	75	100
78.53	77.99	77.44	76.90		83.01	82.68	82.32	82.05
9.09	9.63	10.18	10.72		4.61	4.94	5.30	5.57
125	150	175	200		200	175	150	125

M.L.
R.C.
M.R.
J.T.

OCT 26, 78
SUNNY 61°

5

TOPOGRAPHY

ROSELAWN AVE

FAIRVIEW TO CLEVELAND

LT RT

+50 +50 2" BIRCH 31 +50 FE 31

+44 PP 29

+43 (8) 6" PINE 55

+32 4" PINE 37

+23 4" PINE 37

+15 END WOODS 33-62

/+00 RO 14 RO 15 +00 FEN 32

+54 ER 15 +54 ER 16

+50

+48 WOODED AREA ← 31 +45 C.B. 22

+33 S.D. 52 +28 PP 35 +23 POR 26 +29 WSO 59 +33 COR FEN 32 →

+21 C.B. 45 +23 M.H. 18 +27 POR 31 +24 M.H. 58

+13 BR 56 +20 BR 43

+00 & CAR

0+00

-10 M.H. 18 -21 ER 48

-28 PP 38 -29 H40 43 -15 ER 48

-38 APRON 54 -38 POR 25 -25 POR 28 -25 PP 34

-40 BUSH 39-59 -40 END POND 63 -40 BR 20 -34 COR FEN 34

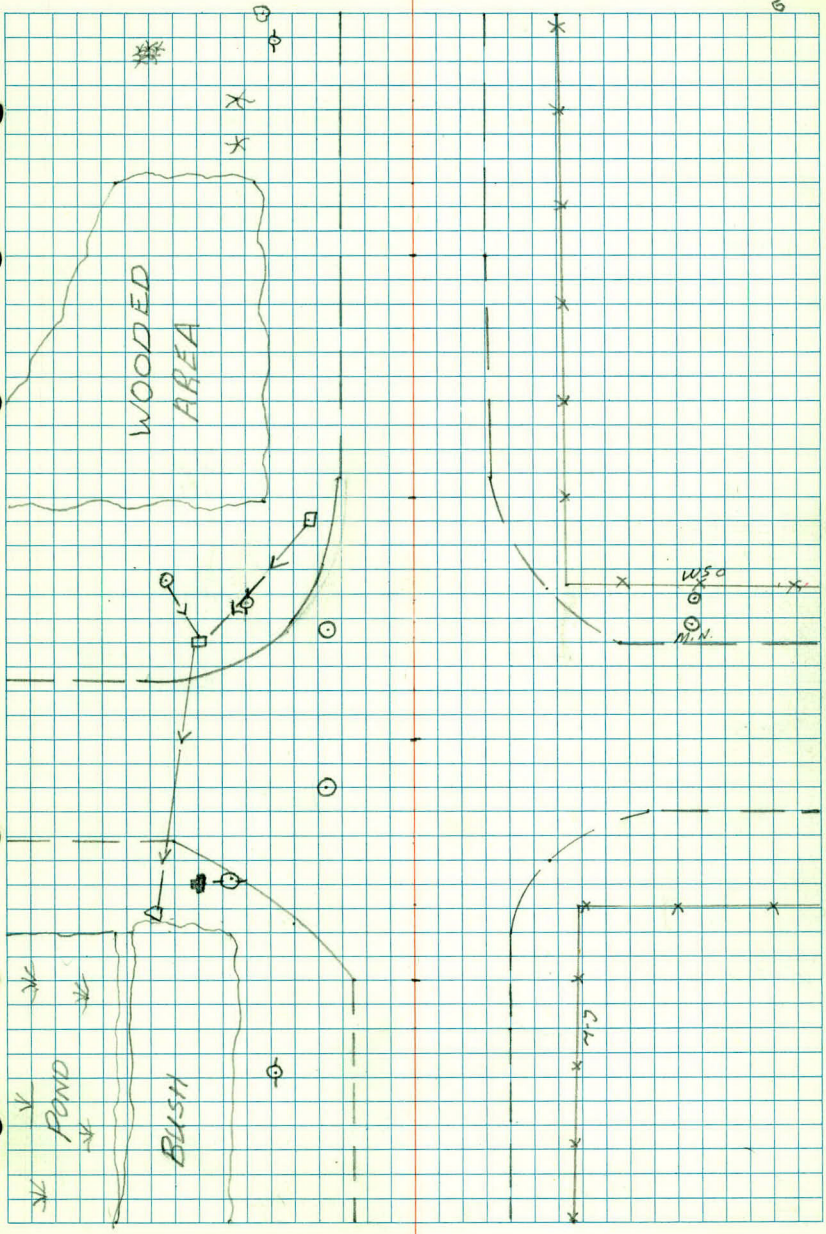
0-50 -50 BR 13

-69 PP 28

0-100 -100 POND 63 -100 BUSH 39-63 RORO 13 20 -100 FEN 33

M.L.
R.C.
M.R.
J.T.

Oct 26, 78
SUNNY 71°



LT | RT

4+00

RD 14 | ℄ RD 15

+06 PARKING LOT 44-94

+97 END BUSH ← 30

+83 POST 96

+64 BEG BUSH ← 28

+55 8" TWIN MAPLE 53

+59 POST 96

+50

+39 POST 96

+32 8" PINE 66

+32 STUMP 40

+32 2" MAPLE 76

+29 PP 28

+23 HYD 26

+18 ROW PINES ← 36

+19 POST 96

+00 2" PINE 40

+00 OLTUS 61

+00 PARKING LOT 44-94

3+00

+96 4" MAPLE 35

+95 2" LOCUST 54

+91 2" PINE 41

RD 14 | RD

+90 TWIN 2" LOCUST 66

+86 TWIN 2" LOCUST 47

+84 2" PINE 41

+92 POST 96

+83 M.H. 18

+76 3" MAPLE 47

+76 2" PINE 41

+70 3" MAPLE 35

+67 2" PINE 41

+61 2" PINE 64

+61 2" PINE 41

+60 3" PINE 35

+65 4" LOCUST 48

+55 2" PINE 63

+50 2" PINE 54

+55 2" PINE 41

+69 1" MAPLE 26

+68 POST 96

+50

+48 6" PINE 41

+43 2" PINE 41

+41 3" PINE 63

+49 6" ELM 33

+35 2" PINE 55

+35 4" PINE 41

+28 3" LOCUST 46

+32 2" MAPLE 35

+48 POST 96

+23 2" MAPLE 35

+20 2" PINE 41

+27 2" PINE 41

+16 TWIN 3" LOCUST 48

+24 POST 96

+12 3" PINE 42

+09 3" MAPLE 35

+08 3" LOCUST 56

+21 BR 44

+21 ER 13

+15 POR 33

2+00

+00 2" MAPLE 50

+00 3" PINE 41

RD 15 | RD 14

+96 2" MAPLE 35

+94 3" PINE 54

+94 4" PINE 45

+91 SW COR PARKING LOT 94

+90 POST 96

+86 POST 82

+85 POST 72

+85 POST 77

+80 ER 24

+83 POST 56

+79 POST 34

+78 3" MAPLE 59

+78 3" PINE 47

+78 8" PINE 37

+70 POR 18

+71 3" MAPLE 57

+71 2" PINE 34

+60 BR 16

+67 2" PINE 40

+58 4" PINE 28

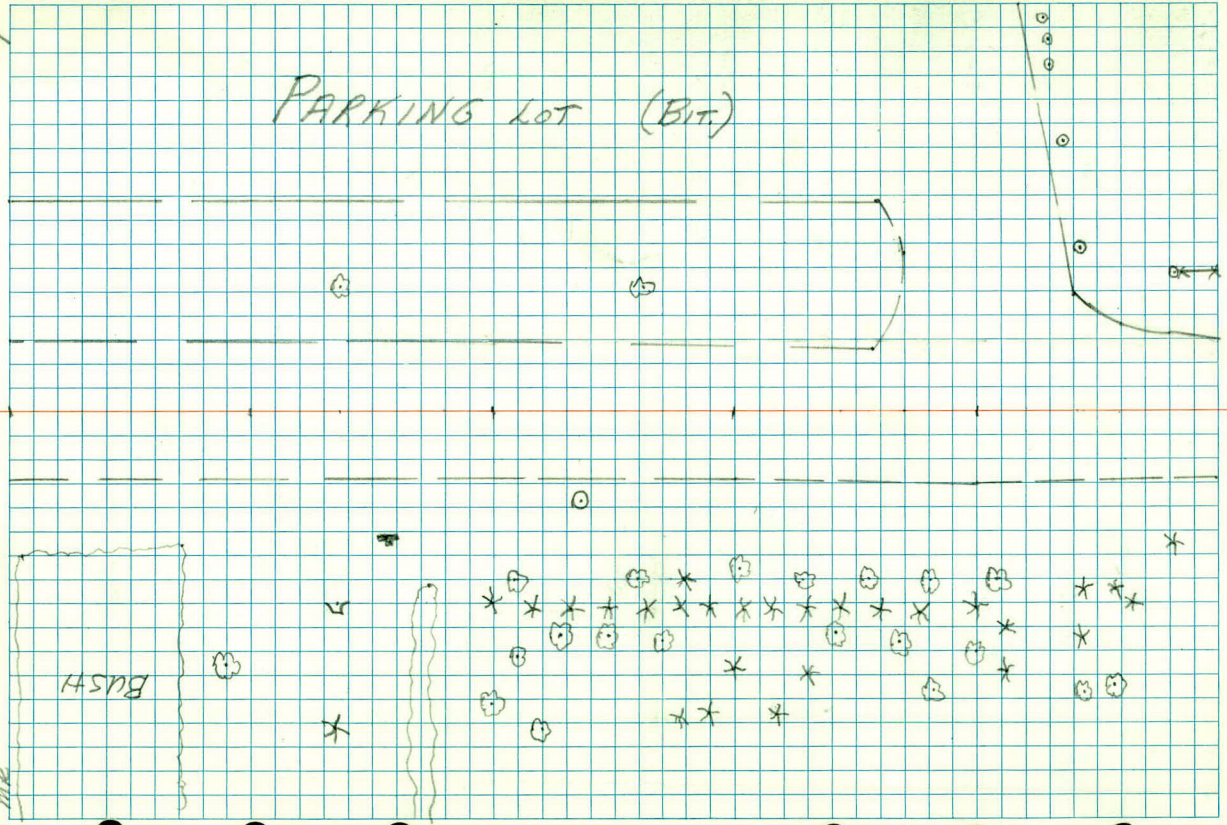
+59 POST 29

+57 END FEN 29

1+50

Nov 1, 78
Cloudy 50°

PARKING LOT (BIT)



M.L.
R.C.
BJP
MP

LT ℄ RT

+50 PP 28

FE 33

+43 10" MAPLE 46'

+39 12" PINE 38

+28 SE COR OF HO. 94'

+30 16" ELM 43

+17 MH 21

+20 YARD LIGHT 61

+07 ER 19'

+14 10" MAPLE 46

6+00

+01 COR FE 33-53

+01 BG PLAYGROUND

RO 14

RO 12

+83 BR 33'

+89 PBR 22'

+89 HYD 27'

+89 16" ELM 63'

+80 Phone Booth 66

+72 COR OF FE 100'

+64 POST 96

+72 COR OF PARKING LOT 95

+68 16" ELM 42

+77 COR OF HO SW 2077 95

+62 ER 31'

+62 PARKING LOT 45-95'

+51 12" PINE 36

+53 12" PINE 57

+58 PBR 19'

+50

+45 END 12" RCP 20'

+47 ROW OF HIKES 28-74'

+35 @ DRIVE 16'

+23 BEGIN 12" RCP 20'

+44 POST 96

+49 BR 15'

+17 PP (LIGHT) 28

+16 12" PINE 40

+18 POST 96

+12 MH 20

+12 1" TREE 30

+04 12" PINE 49'

+08 12" PINE 33

5+00

+00 STUMP 36'

+00 PARKING LOT 45-95

RO 13

RO 14

+90 18" ELM 54

+90 18" ELM 78

+98 POST 96

+78 ROW OF PINES ← 38

+70 2" ELM 41

+75 POST 96

+62 END WOODS 70

+51 WSO 12

+54 POST 96

+50

+33 BG WOODS 73

+23 3" MAPLE 29

+25 POST 96

+03 TWIN 2" ELMS 30

+06 POST 96

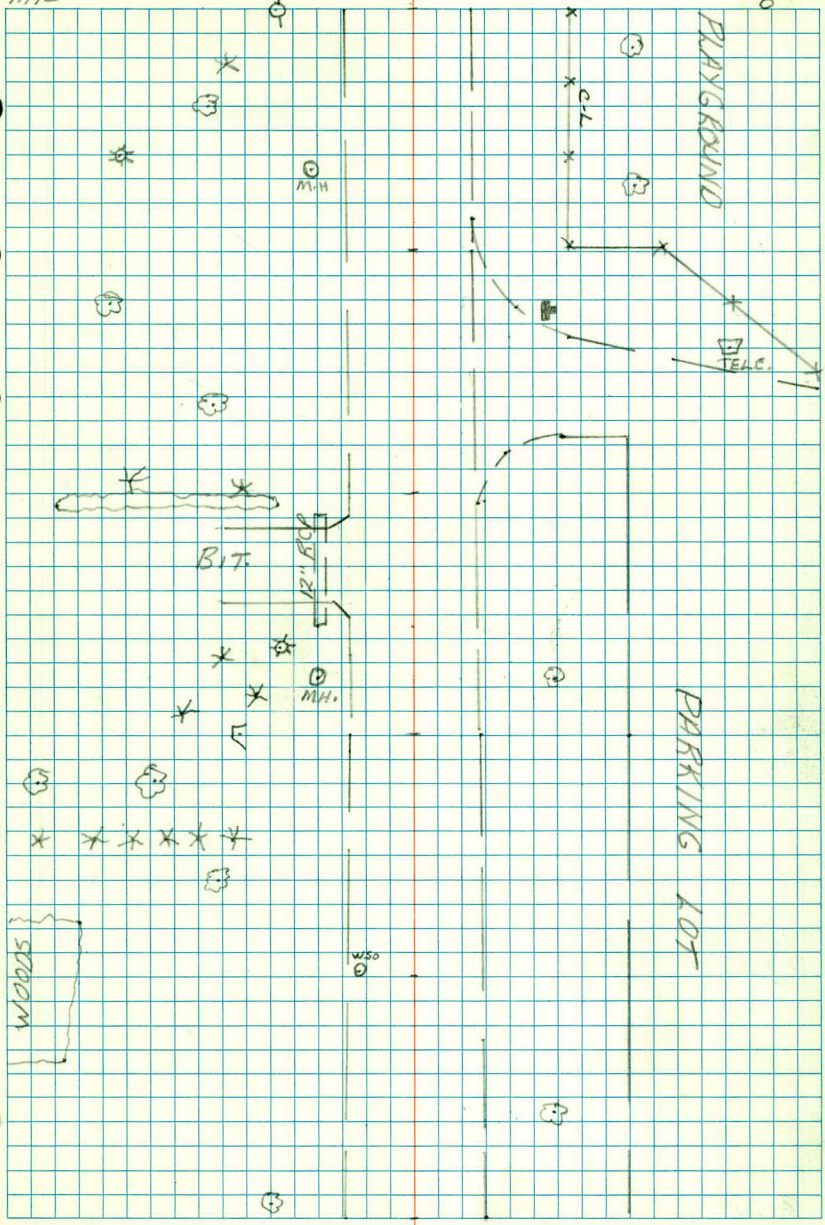
4+00

RO 14

RO 15

M.L.
BW
RC
MR

LT ℄ RT NOV 1, 78



LT ℄ RT

9+00 PP 28' GRN HO. 39' RO 14 RO 12

+90 10" ELM 32' +95 2" MAPLE 52'

+86 ER 13'

+75 10" ASH 58' +82 16" ELM 32'

+72 POR 25'

+68 BR 36'

+50 ℄ AUTUMN ST

+29 POR 20 +30 HYD 37' +35 ER 29'

+23 PP LIGHT 23' +23 16" MAPLE 61'

+20 END HEDGE 33' +21 Wood FC 33' →

+17 BR 12'

+09 14" MAPLE 39'

8+00 GRN. HO. 39' RO 12 RO 12 +99 12" MAPLE 56 +90 N.E COR HO. 62'

+87 16" MAPLE 36'

+70 PP 28

+67 S.W COR GRN HO. 39' +67 N.W COR HO. 63'

+50

+46 BUSHES 32'

+25 2" PINE 58' +25 2" PINE 47' +25 2" PINE 53'

+25 2" PINE 41'

+20 2025 SE COR. HO. 52' +28 BR ℄ DRIVE 12' +21 COR FE 33 → +21 END BUSHES 33 → +22 BG HEDGE 34

+14 26" ELM 27'

7+00 RO 13 RO 13 +00 FE 33

+97 24" ELM 29' +97 # 2025 SW COR OF HO. 52' +96 BG Brush 34 → +91 STEPS 22-32

+71 18" ELM 45 +71 6" MAPLE 62

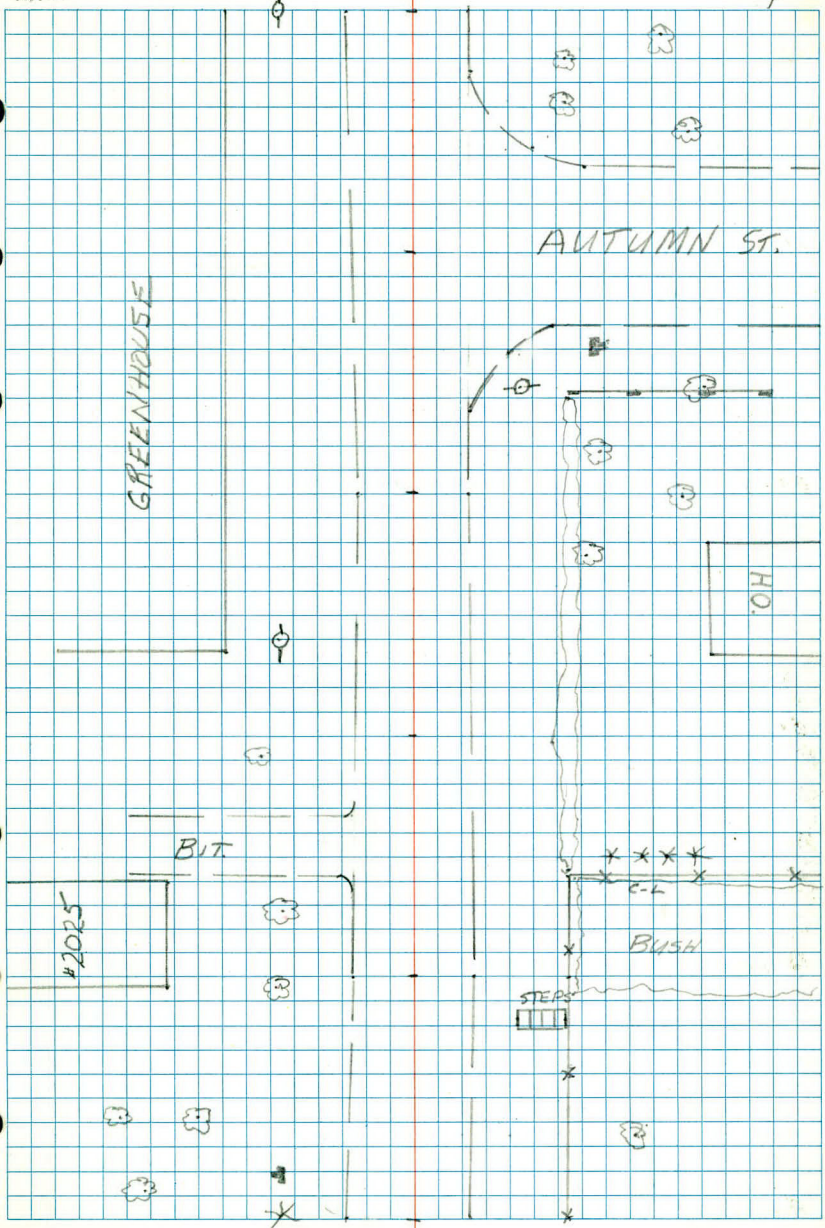
+67 10" MAPLE 46'

+56 4" ELM 56' +58 HYD 28'

6+50 +51 12" PINE 28 RO 14 RO 12

ML
RC
BW
MR

LT ℄ RT NOV 1, 78



LT ℄ RT

+50

+42 2" MAPLE 48

+18 2" MAPLE 48

+39 SW 43-47

+34 S.W. 4' 64

+24 4" MAPLE 36

+68 NW COR HO 64 /1958

+13 SW COR HO. 99

+10 10" PINE 71 RD 15

RD 11

11+00

+88 12" PINE 52

+88 10" PINE 22

+82 HYD 28

+81 12" CMP 23

+79 SE COR HO. 98'

+74 ℄ CONC. DR. 12' 59-98'

+94 12 ELM 43'

+90 16" ELM 34'

+90 12" ELM 56'

+82 12" ASH 35'

+63 12" CMP 23'

+60 PP 28'

+58 16" PINE 44'

+56 24" ELM 70'

+71 10" ASH 41'

+61 24" ELM 30'

+51 16" ELM 27

+54 N.E. COR HO. 63' #1966

+50

+15 SW COR HO 98' #1965

+14 STP 70

+13 16" PINE 42'

+06 16" PINE 83'

+32 COR S.W 45-57

+36 END SHRUBS 41-54

+12 BG SHRUBS 41

+18 60" ELM 27' A

+04 ℄ CONC. DR. 9' 33-

+09 4' S.W. 43-47

10+00

RD 14

RD 12

+97 HEDGE 32 ← BIT.

+86 ℄ DRIVE 16'

+76 S.E COR GRN HO. 38'

+96 8" ASH 34'

+96 10" ASH 27'

+92 STUMP 40'

+81 12" ASH 37'

+98 NW COR HO. 63' #1966

+60 MH 23

+69 10" APPLE 53'

+50

+47 12" ELM TWN. 32

+34 NE COR HO 63'

+37 16" ELM 50'

+24 COR GRN HO. 37-39

+12 NW COR HO. 63'

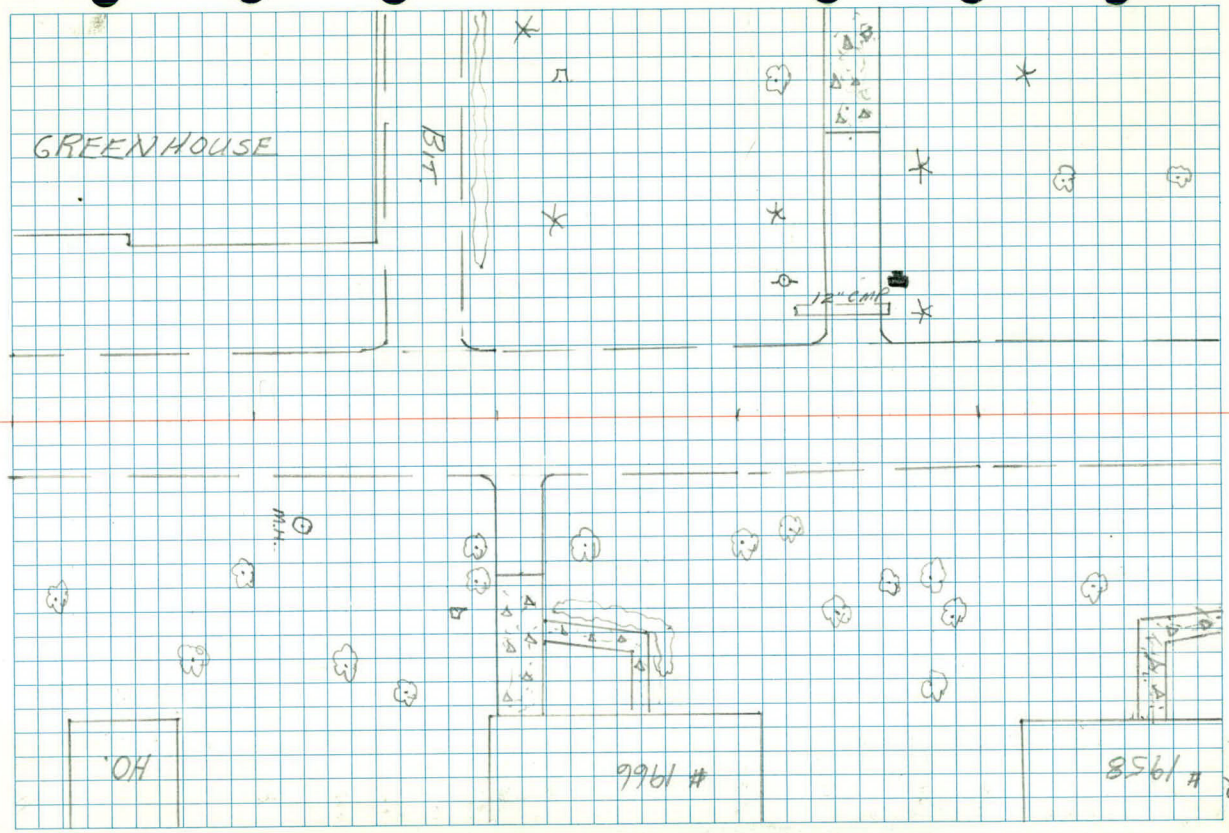
+21 12" ELM 50'

+08 24" ELM 37'

9+00

RD 14

RD 12



M.L.
BW
MR
LT
RT
NOV 6 78
SUNNY 50°
10

LT

RS

℄

14+00

+96 COR FE ← 31 — RO 5 — RO 11

+97 10" ELM 30

+88 M.H. 2

+88 4" MAPLE 54

+92 POR 31

+92 GSO 31

+83 COR HEDGE 32-40

+88 S.D. 43

+88 BR 36

+76 4" PINE 52

+71 NE COR HO 63 — 1938

+75 M.H. 16

+61 S.D. 44

+61 ER 35

+56 POR 25

+58 TWIN 12" ELM 42

+50

+49 PP 28

+49 GSO 14

+46 S.W 64

+47 ROW TREES (12) ← 38

+40 BR 16

+40 C.B. 21

+30 ENOTE 28

+27 STUMP 78

+27 10" APPLE 59

+27 10" APPLE 38

+27 S.W. 43-47

+39 F.P. 35

+15 12" CMP 19

+15 12" OAK 88

+15 SCRUB 54

+18 ℄ CONC DR 17' 35

+08 NW COR HO 64 — 1938

+13 2" MAPLE 27

+13 COR WOOD FE 25-37

+05 ℄ DIRT DR 10'

+03 8" PINE 62

13+00

RO 16 — RO 11

+94 BEG 12" CMP 19

+94 SE COR HO 105

+86 18" ASH 32

+48 8" MAPLE 44

+87 16" APPLE 35

+75 END HEDGE 34

+78 SCRUB 29

+78 SCRUB 37

+78 6" PINE 56

+62 TWIN 4" ELM 30

+68 STUMP 43

+67 SCRUB 28

+58 NE COR HO 64 — 1948

+59 SW COR HO 105

+57 20" ELM 71

+55 18" OAK 31

+58 2" PINE 49

+50

+45 14" APPLE 36

+45 BEG HEDGE ← 34 END

+42 END WOOD FE 91

+43 PP 30

+48 2" PINE 29

+46 TWIN 6" BIRCH

+41 END SCRUBS 44 26

+20 WOOD FE 91 BEG

+37 BEG WOOD FE 91

+39 END 12" CMP 20

+31 ℄ CONC DR 11' 28

+23 END HEDGE 33

+29 2" PINE 41

+29 SW 45-64

+18 12" CMP 20

+22 SE COR HO 100 — 1951

+17 RUSS. 12" OLIVE 41

+18 2" ASH 31

+18 BEG SCRUBS 25

+18 TRI 10" BIRCH 40

+00 WOOD FE 91

+13 SW 45-50

+04 ℄ CONC DR 18' 31

12+00

RO 15 — RO 11

+91 6" MAPLE 85

+88 SW COR HO 99 — 1951

+91 6" PINE 56

+90 12" MAPLE 44

+91 NW COR HO 64 — 1948

+84 BEG HEDGE 33-86

+84 PP 30

+74 ℄ BIT. DR 10'

+64 10" MAPLE 71

+65 SE COR HO 98 — 1957

+62 10" PINE 49

+62 10" PINE 42

+57 12" ELM 58

+52 14" PINE 74

+58 ℄ BIT DR 12'

+63 NE COR HO 64 — 1958

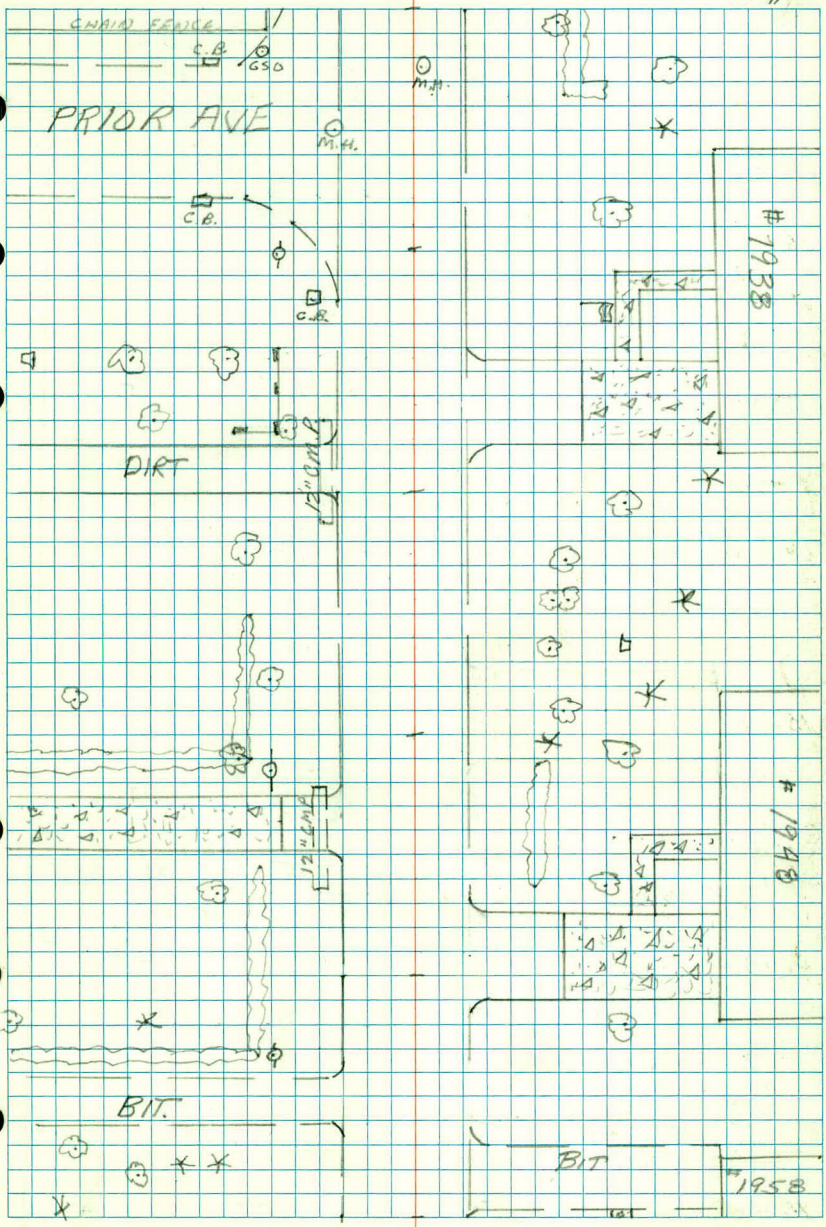
11+50

RO 15 — RO 11

+52 SW END 41-45

M.L.
B.W.
M.R

LT ℄ RT Nov 6, 78



LT

+50

+50 BEG FE 75

+50 BUSH 31

+43 PP 28

+38 HEDGE ← 32

+21 24" WILLOW 56

+12 10" MAPLE 67

+08 SCRUB 35

16+00

+96 SE COR HO 77 (1911)

+91 M.H. 19

RD 15

RD 14

+85 ℄ BIT DR. 17'

+63 SCRUB 34

+60 8" PINE 47

+50

+30 SW COR HO 77 (1911)

+25 4" ASH 53

+28 ARC LIGHT 28

+09 4" OLIVE 28

+06 12" PINE 65

+06 8" PINE 42

15+00

+00 8" PINE 34

RD 15

+99 SE COR HO 100 (1927)

+95 END FE 30

+57 24" ELM 84 (1927)

+65 4" OLIVE 34

+57 SW COR HO 99

+58 12" OAK 44

+55 BEG FE 30

+50

+47 ℄ DIRT DR 9'

+38 END FE 29

+35 6" OLIVE 26

+24 TWIN OLIVE 28

+11 ER 15

+06 18" WILLOW 29

14+00

RT

+49 M.H. 2

+45 8" C.W.

+31 SCRUB 23

+25 SCRUB 23

+21 BUSH 23

+14 BUSH 23

+46 C.B. 21

+45 10" C.W. 35

+39 HEDGE 24

+22 12" ELM 45

+21 10" ELM 33

+45 PP 53

+73 10" C.W. 52

+14 2" ASH 35

+10 BUSH 23

+09 12" ASH 35

+05 END HEDGE 59

+01 NE COR HO 63

+00 TRI. 8" BIRCH 29

+82 1" PINE 29

+70 24" ELM 30

+72 NW COR HO 63

+66 BEG HEDGE 59

+63 STUMP 47

+63 2" PINE 49

+55 SPILLWAY 15-22

+55 4" BIRCH 28

+50 C.B. 22

+42 ER 15

+42 SCRUB 34

+30 POR 25

+26 BR 43

+21 M.H. 1

+12 M.H. 22

+94 N4D 40

+95 POR 20

+98 ER 31

+88 12" ELM 36

+88 12" ELM 42

+84 BR 14

+72 14" ELM 30

+73 C.B. 23

+67 SPILLWAY 14-22

+65 END HEDGE 33

+55 12" ELM 53

+50 10" ASH 42

+52 NE COR HO 62

+39 16" ELM 27

+30 12" ELM 57

+28 12" ELM 42

+27 12" ELM 30

+22 12" ELM 40

+25 12" ELM 57

+21 NW COR HO 62

RD 11

M.L.
R.C
B.W
M.R.

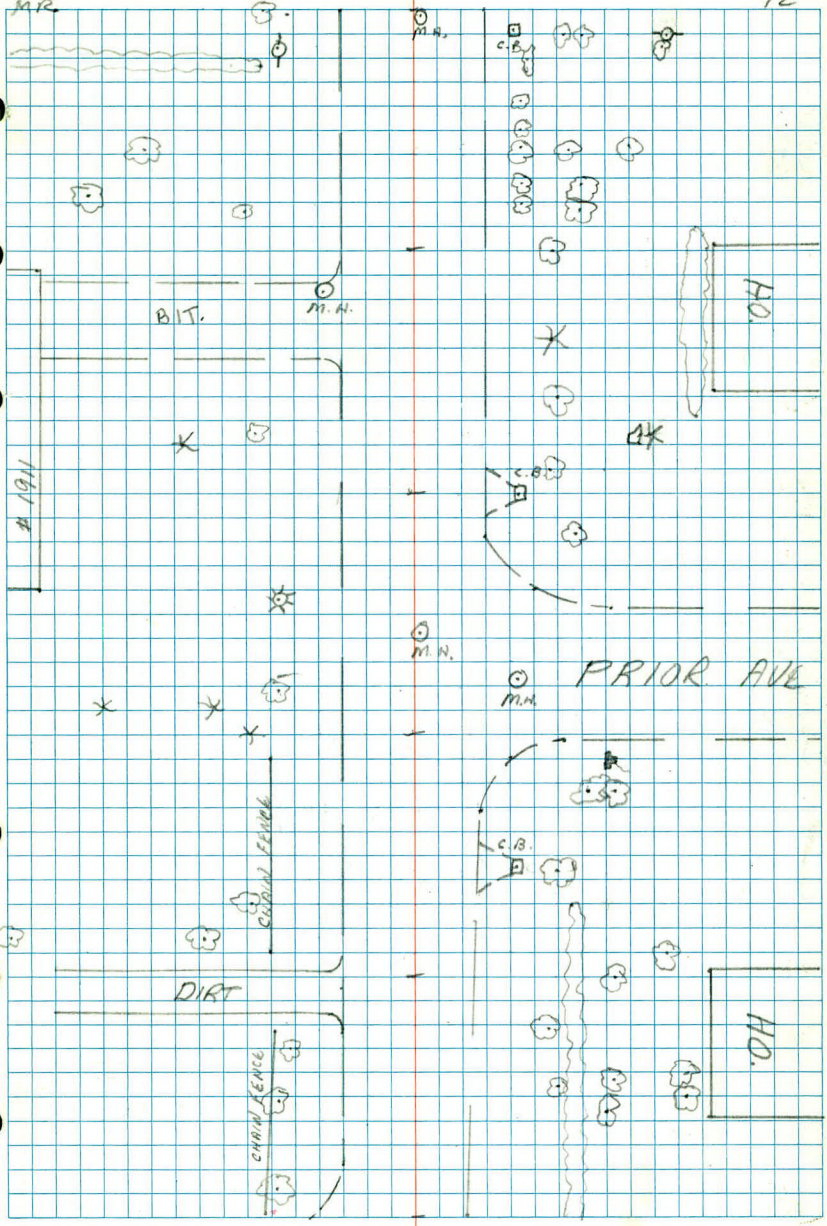
LT

℄

RT

Nov 9, 78
Sunny 55°

12



LT ℄ RT

19+00 RO RO 15 15

+98 HEDGE 27-36

+94 STEPS 26-64

+90 HEDGE 27-36

+78 S.W. 65-73

+68 M.H. 2

+81 5" MAPLE 47

1889 +68 SW COR HO 73

+52 10" PINE 68

+59 1" MAPLE 25

1888 +62 NW COR HO 64

+50

+47 ARCH 28

+45 ER 16

+39 ER 15

+37 SPILLWAY 15-21

+45 END HEDGE 27

+32 COR HEDGE 27-92

+45 C.B. 21

+43 C.B. 22

+34 6" MAPLE 54

+26 POR 22

+39 8" MAPLE 75

+39 10" ELM 52

+27 POR 32

+35 HEDGE ←35

+22 BR 35

+21 BR 56

+20 GSO 33

+12 M.H. 51

+06 M.H. 21

+04 M.H. 7

+06 MH 23

18+00 RO RO

+99 M.H. 4

+93 ER 32

+89 ER 36

+87 POR 22

+87 HYD 37

+84 POR 25

+78 HEDGE 38-46

+80 BR 13

+78 M.H. 15

+78 8" PINE 32

+73 QUAD 18" WILLOW 66

+70 BR 15

+69 BUSH 30

+76 GSO 14

+71 10" PINE 32

+68 C.B. 21

+68 M.H. 2

+62 BUSH 30

+61 SPILLWAY 13-21

+61 8" PINE 60

+67 C.B. 21

1920 +53 NE COR HO 65

+64 SPILLWAY 15-21

+52 1" PINE 31

+50

1901 +43 SE COR HO 76

+43 ROW SHRUBS 31-61

+26 SW 52-65

+23 END S.W. 63

+32 ℄ CONC OR 16' 27

+25 4" MAPLE 42

+20 COR SHRUBS 31-61

+11 8" MAPLE 34

+09 6" PINE 32

+04 BUSH 49

+00 BEG SHRUBS 61

+01 S.W. 63

+01 END 12" CMP 18

+03 YARD LT 35

17+00 RO RO 15 13

+01 S.W. 52-57

+94 2" PINE 32

+92 ℄ CONC OR 16' 29

+88 1" MAPLE 47

+80 12" CMP 18

1920 +80 NW COR HO 65

1901 +75 COR HO 76

+75 END FE 76

+78 TRIG 6" ELM 31

+78 8" PINE 48

+67 TWIN 24" WILLOW 38

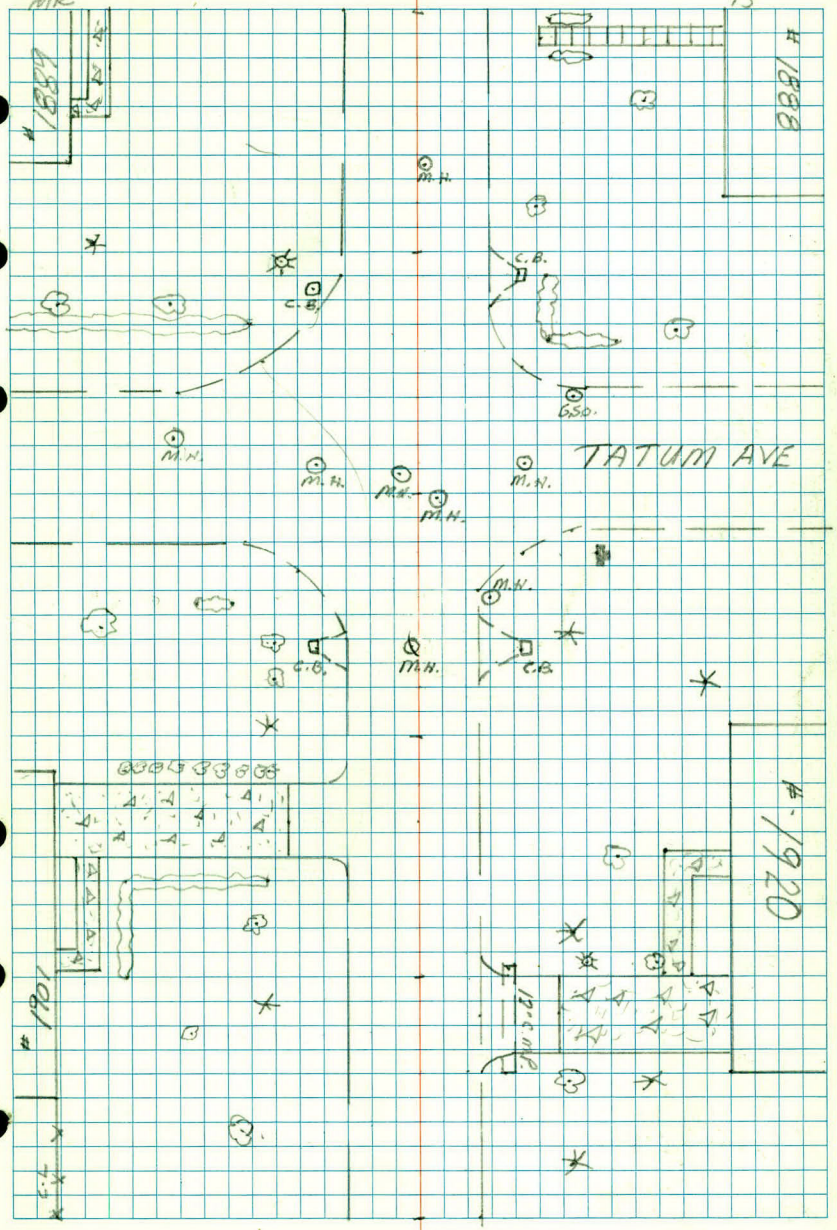
+62 3" PINE 32

16+50

M.L.
R.C.
B.W.
MR.

Nov 9. 78

13



LT RT

+50

+49 12" CMP 24

+46 YARO LT 40

+34 HO 25

+34 8" ELM 33

+43 SHRUB 62

+39 8" WALNUT 54

+23 6" MAPLE 39

+30 12" ELM 51

+30 18" ELM 80

+29 PP 77

1865

+16 SW COR NO 83

+19 4" MAPLE 67

+20 ℄ DIRT DR 10'

1870

+05 NE COR NO 140

+09 BUSH 67

+00 4" APPLE 59

+03 TRI 2" MAPLE 34

21+00

+92 HEDGE

RO RO 15 14

+99 STUMP 35

+97 STUMP 58

+96 3" PINE 32

+89 BUSH 26

+96 18" ELM 77

+87 2" MAPLE 63

+87 LOGS FE 26-29

+79 STUMP 35

+73 ELM 23

+73 NE COR NO 140

+87 24" ELM 52

+85 3" MAPLE 52

+77 ℄ DIRT DR 12'

+65 6" ELM 38

+69 24" ELM 37

+68 WOOD FE 25-29

+67 COR HEDGE 26

+60 2" PINE 44

+50 HEDGE 48

+51 6" ELM 41

+56 2" PINE 72

+52 4" MAPLE 53

+50

+43 END HEDGE 35

+42 ELM 9

+43 10" ELM 51

+46 BUSH 36

+44 12" ELM 63

1875

+41 SE COR NO 95

+40 4" MAPLE 37

1880

+37 NE COR NO 106

+30 2" ASH 35

+32 BEG HEDGE 35

+18 SW COR NO 95

1875

+19 16" BOXELDER 69

+05 END HEDGE 37

+07 28" BOXELDER 37

20+00

+97 6" MAPLE 56

RO RO 15 14

+95 18" ELM 32

+85 4" PINE 35

+80 2" ASH 44

+77 ℄ DIR DR 10' WOOD FE 33-41

+70 PP 28

+67 HYD 27

+66 END HED 32

+93 4" ASH 42

+88 BEG HED 36

+93 24" ELM 79

+64 TRI 8" MAPLE 38

+65 TWIN 6" ELM 43

+65 8" ELM 55

+65 6" ELM 59

+63 END HEDGE 31

1880

+80 NW COR NO 106

+72 PP 28

+71 COR HED 32

+56 4" PINE 48

+50

+48 BEG HEDGE 31

1889

+34 SE COR NO 73

+37 8" MAPLE 62

+36 6" PINE 37

+36 4" MAPLE 26

+35 2" PINE 58

+32 BEG HED. 32

+24 ℄ CONC DR 10' 38

+17 NE COR NO 66

+17 S.W. 65-69

+13 BUSH 37

19+00

RO RO 15 14

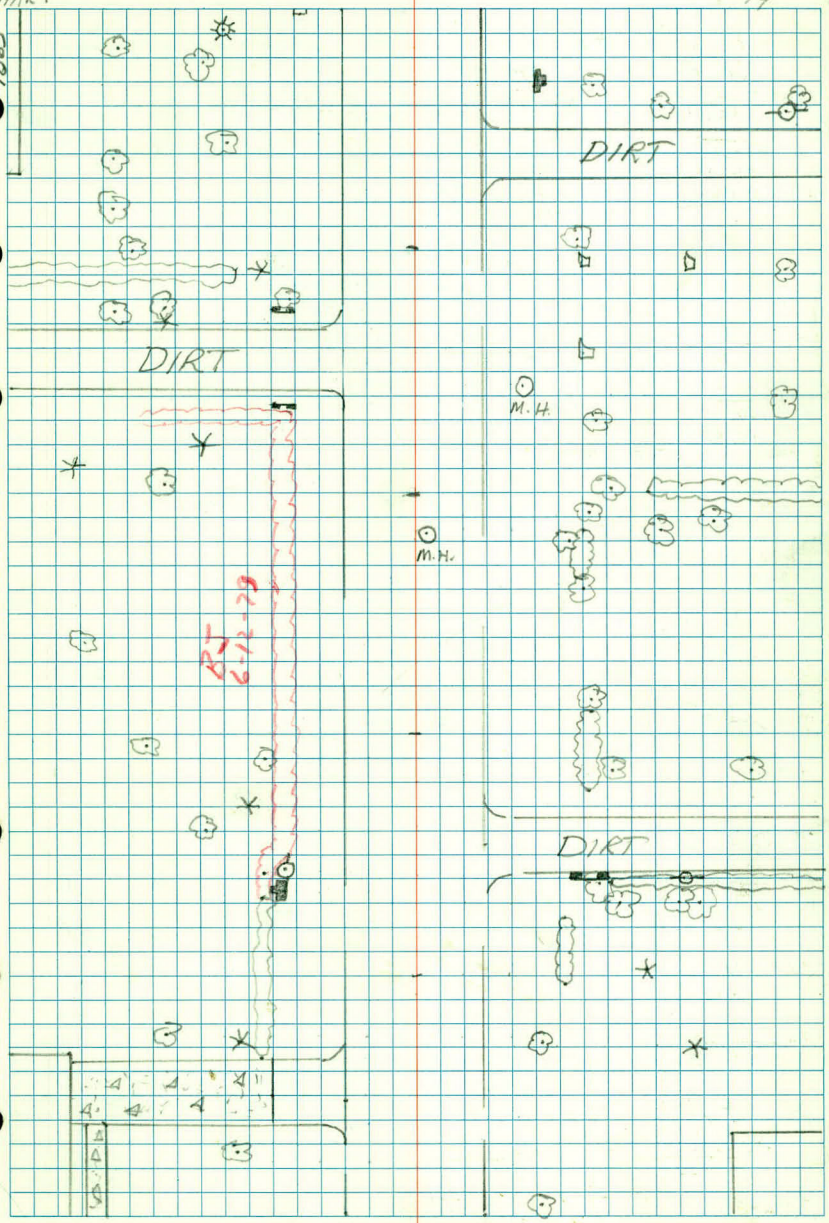
+03 MAPLE 4" 26

M.L.
R.C
B.W.
M.R.

LT ℄ RT

Nov 9, 78

14



LT RT

24+00 RO 15 RO 14

+95 END SW 64-68 | +99 18" MAPLE 34 | +79 20" ELM 34 | +90 YARD LT 89 | +94 14" ELM 52

+75 S.W. 62-68 | +76 BEG. SHRUBS | +84 S.W. 5' 86

+71 S.W. 4' 55-66 | +75 BUSH 43 | +70 ℄ ROCK DR 11' 50 | +66 N.W. COR NO #1840 130

#1843 | +62 ℄ CONC + BIT DR 19' (9) 28 | +62 10" PINE 46 | +62 10" PINE 65

+61 SE COR NO 73 | +58 END HEDGE 37

+50 | +48 PP 28 | +54 BUSH 65

+44 HEDGE 48 | +45 NO CONC (9) 37 | +46 12" APPLE 54

#1851 +31 SE COR NO 74 | +36 ℄ BIT DR 19' 28 | +45 MH. 23 | +40 BEG HEDGE 37 | +45 2" PINE 73

+20 S.W. 64-68 | +33 ℄ CONC DR 12' 67 | +39 NE COR NO #1850 130

+15 SHRUB 59 | +14 YARDLT 59 | +13 BUSH 58 | +26 END HEDGE 37

23+00 RO 15 RO 14

+78 SW COR NO #1851 72 | +99 S.W. 63-72 | +95 10" MAPLE 97 | +08 12 MAPLE 62

+72 PINE 12" 61 | +75 14" MAPLE 35

+64 SPILLWAY 15-21 | +66 C.B. 21 | +71 18" ASH 64

+58 12" PINE 66 | +58 12" PINE 45 | +65 M.H. 3 | +68 NW COR NO #1850 130

#1857 +53 SE COR NO 72 | +61 C.B. 21

+50 | +57 SPILLWAY 15-21

+35 S.W. 62-73 | +47 COR HEDGE 36-47

+11 S.W. 62-66

+12 12" CMP 26 | +19 20" MAPLE 34 | +06 ℄ CONC DR 9' 27 | +37 18" MAPLE 69

+11 M.H. 22 | #1857 +00 SW COR NO 73 | +10 20" MAPLE 90 | #1860 +19 NE COR NO 124

22+00 RO 13 RO 15

+96 YARD LT 44 | +92 12" CMP 26

+92 1" MAPLE 58 | +92 TRI 8" BIRCH 35 | +82 PP 27

+77 8" PINE 47 | +74 YARD LT 40 | +74 3" ASH 46

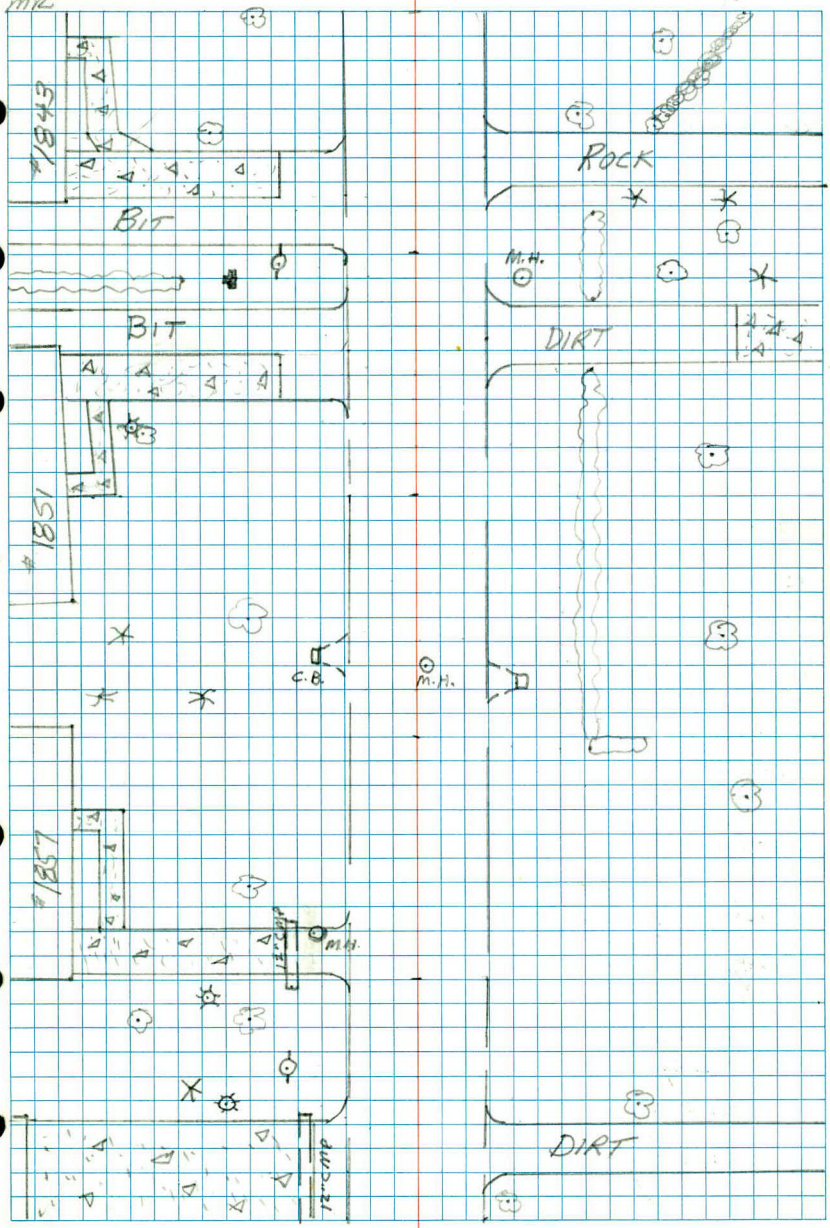
BEGS +72 SE COR NO 82 | +72 12" CMP 24 | +65 ℄ DIRT DR 10' | 1860 +56 NW COR NO 124

21+50 | +60 ℄ CONC DR 22' 27 | RO 15 RO 14 | +54 BUSH 19

M.L.
B.W
R.C
MR

Nov 9, 78

15



LT ℄ RT

+50

+27.44 MON.

+17 ER 48

+08 M.H 21

+00 POR 22

+15 ER 44

+15 ℄ DR 59

+06 CB 44

+06 M.H 23

+03 M.H 2

+02 12" CMP 46-72

+00 POR 21

26+00

+82 10" PINE 58

+88 B.R 15

+83 C.B. 22

RD RD

+82 12" PINE 52

+82 8" PINE 46

+82 12" PINE 41

+87 BR 14

+91 HYD 36

+77 YARD LT 44

+79 BUSH 31

+75 SPILLWAY 14-22

+80 C.B 22

+82

+73 SE COR NO 73

+67 ℄ CONC DR 9" 28

+72 12" PINE 40

+62 S.W 64-68

+59 BUSH 50

+58 BUSH 31

+51 4" MAPLE 35

+50

+38 BEG S.W 64-73

+43 NE COR NO 48

1829

+20 SW COR NO 73

+32 16" MAPLE 34

+15 10" PINE 32

+08 BUSH 39

+11 12" PINE 30

+04 PP 27

+13 NW COR NO 48

+06 END HEDGE 35

+02 TRI 8" BIRCH 49

+00 SHRUB 25

RD 15 RD 14

25+00

1837

+95 SE COR NO 73

+97 YARD LT 43

+84 8" MAPLE 51

+89 ℄ CONC DR 10" 19

+84 END S.W 63-67

+79 BUSH 27

+73 5" OLIVE 33

+77 10" PINE 45

+64 BEG S.W. 63-73

+52 18" MAPLE 35

+50

+41 SW COR NO 1837 73

+29 8" ASH 52

+21 BUSH 46

+31 COR HEDGE 33 →

+23 8" PINE 33

1843

+12 SE COR NO 73

+09 BUSH 33

+11 BUSH 33

+00 COR SHRUBS 69-90

+07 COR NO 130 1840

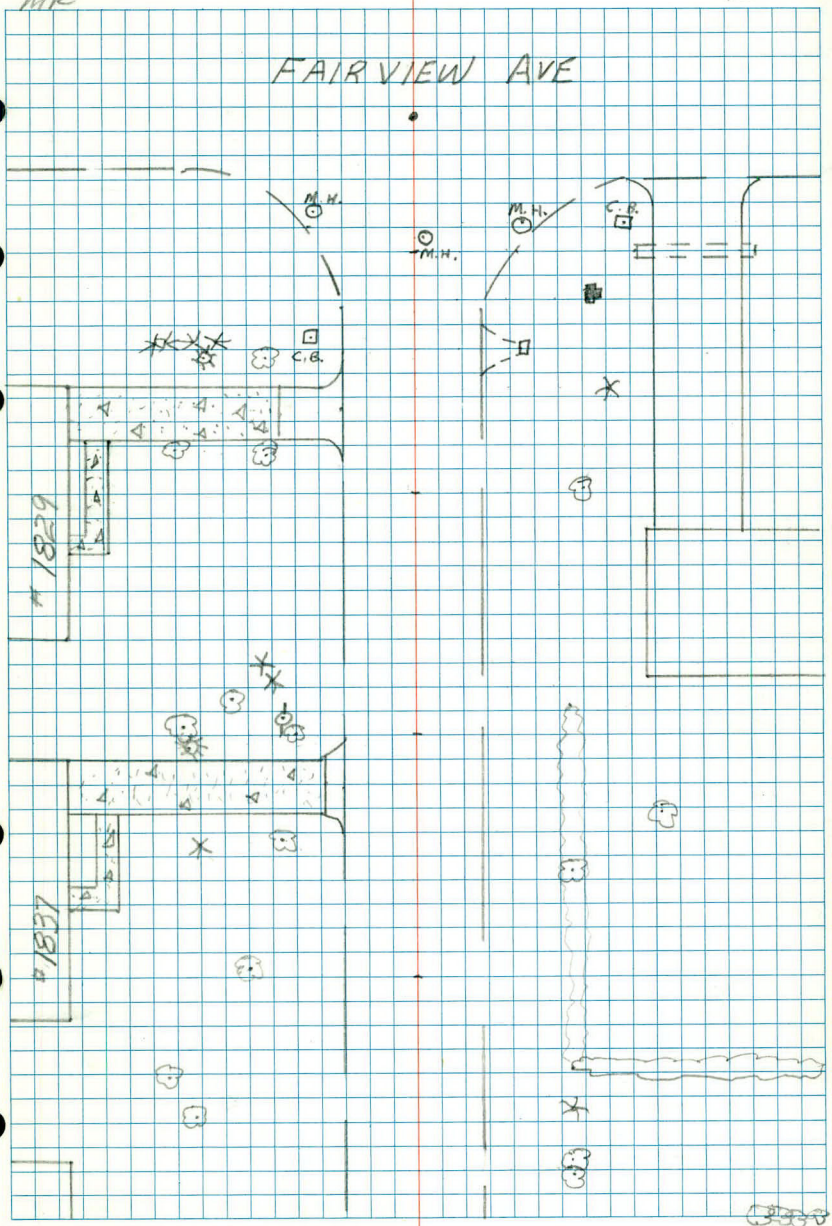
24+00

RD 15 RD 14

M.L.
R.C.
B.W.
M.R.

Nov 9, 78

16



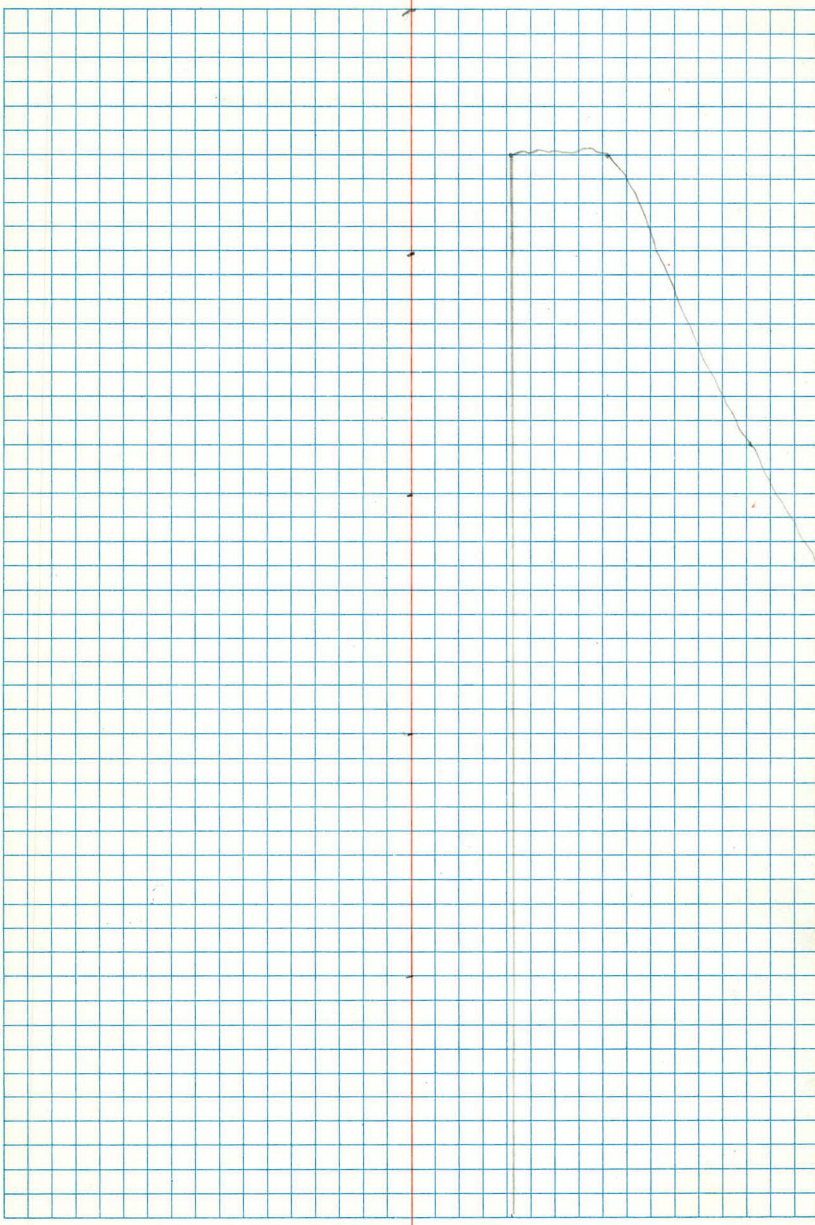
M.L.
DS
BW
MR

MAR 21, 19

Pond Topo

Cleveland + Roseland

	LT		RT	
3+00		C.L. MONUMENT ☐ ℄ ROSELAWN		
			+20 END POND 21-41	
2+00				
			+57 POND 21-71	
+50				
1+00			+00 POND 21-110	
			+72 POND 21-124	
+50				
			+27 POND 21-124	
0+00			+00 DITCH 21-31	+00 POND 93-124



STA	+	π	−	ELEV	
BM	4.82	989.51		984.69	
			9.80	979.71	
BM			0.35	989.16	989.16

N.W. CORNER ROSELAWN + CLEVELAND

POND ELEV

TOP HYD 3+20 LT 20'

ML
MR
LR
SI
FD

JUNE 21, 79
CLOUDY 70°

Topography
0+50 To 1+25

LT RT

+50

+25 2" PINE 37 ✓ +31 5" PINE 37

+07 8" PINE 45 ✓

1+00

+99 3" PINE 41 ✓

+94 BUSH 37 ✓

+86 6" PINE 36 ✓

+72 BUSH 37 ✓

+78 3" PINE 43

+80 2" PINE 38 ✓

+72 3" R.O. 33 ✓ +64 3" R.O. 31 ✓

+62 2" PINE 41 ✓

+59 BUSH 41 ✓

+55 3 R.O. 33

+50 3" R.O. 47 ✓

+50 3" TWIN R.O. 40 ✓

+50

0+00


bush
bush
Bush

MARCH

1

Manhole ELEV

Roselawn Ave

Cleveland Ave to Fairview Ave

Sta	+	π	−	ELEV	
B.M.	1.28	992.44			991.16
10+00 MH			6.51	985.93	
B.M.			4.37	988.07	988.10

Top Hyd Autumn & Roselawn
Lt 20'

Top Hyd 10+85 Lt.

8

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER		
SANITARY		TELEPHONE	✓	OTHER		

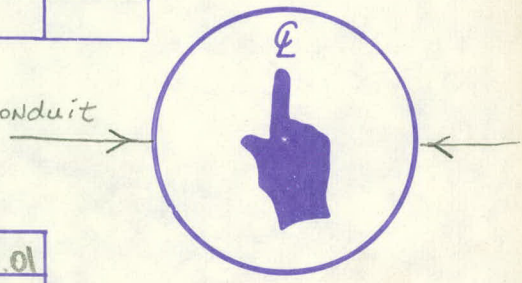
STATION	LEFT	RIGHT	SIZE	
0-10	18'			13" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		VAULT Rectangular 3'x10'
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS				

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	7.37	37
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	983.01
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

M

STRUCTURAL DATA

TYPE

STORM	✓	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

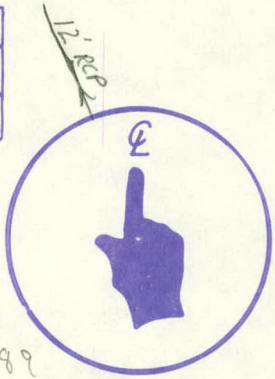
STATION	LEFT	RIGHT	SIZE	5" INCH CASTING
0+21	45			

TYPE OF CONST.		COMMENTS
BLOCK		C.B.
BRICK		
SECTIONAL	✓	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				4" ADJUSTMENT MORTOR
BRICK				
CONC. RINGS				

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	2.70	ELEV.
	2.66	980.19
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	2	66
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	982.87	982.89
FINAL ELEVATION		
DIFFERENCES		

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER			
SANITARY	✓	TELEPHONE		OTHER			

STATION	LEFT	RIGHT	SIZE	
0+23	18			13" INCH CASTING

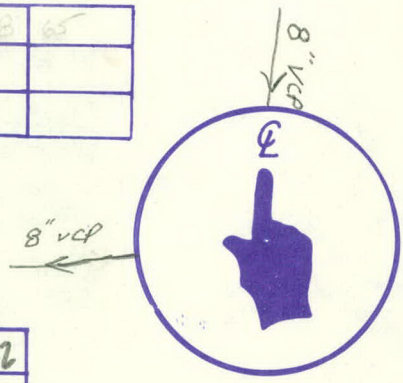
TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	✓

COMMENTS

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	3	.68	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	8.65	974.07
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	8.65	
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	982.72
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

R

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER	
SANITARY		TELEPHONE		OTHER	GAS

STATION	LEFT	RIGHT	SIZE	
0+24		58		7" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		6'x6' VAULT
BRICK	✓	Brick CONST
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				7" MEXICAN HAT
BRICK	✓		5"	
CONC. RINGS				

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	8.	973.71
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW

DESIGN

ELEVATION – TOP	981.71
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

B

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER		
SANITARY		TELEPHONE		OTHER		

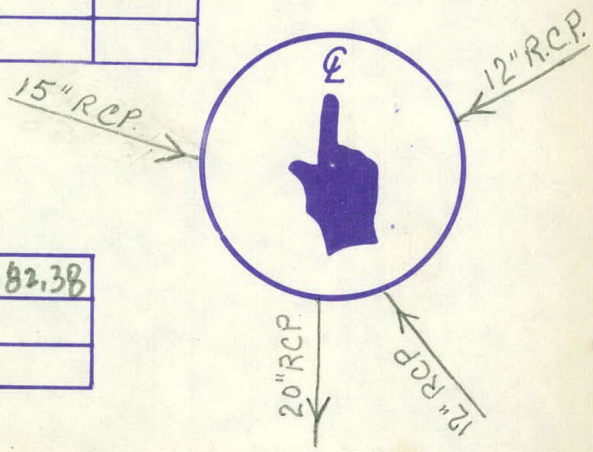
STATION	LEFT	RIGHT	SIZE	
0+33	52'			7" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		S.D. 6" MEXICAN HAT BLOCK CONST.
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	3	24"	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	3.66	918.72
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	2.95	
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	982.38
FINAL ELEVATION	
DIFFERENCES	
ADJUST	
RECONSTRUCT	

m

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER		
SANITARY		TELEPHONE		OTHER		

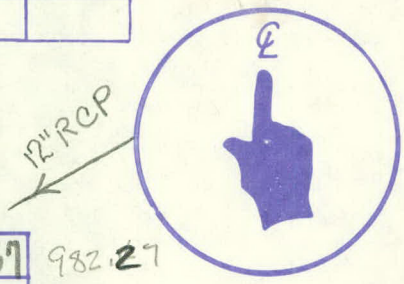
STATION	LEFT	RIGHT	SIZE	
0+45	22			5" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		C.B.
BRICK		
SECTIONAL	✓	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS				

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	2.70	ELEV. 979.67
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	2.70	70
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	982.37	982.27
FINAL ELEVATION		
DIFFERENCES		

ADJUST

RECONSTRUCT

B

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER		
SANITARY	X	TELEPHONE		OTHER		

STATION	LEFT	RIGHT	SIZE	
2+83	18			11" INCH CASTING

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	✓

COMMENTS

4.5'
1.5'

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				ECCENTRIC
CONC. RINGS	✓	6	18"	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	8.55	976.26
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	8.	55
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW

DESIGN

ELEVATION – TOP	984.81
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

M

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER			
SANITARY	X	TELEPHONE		OTHER			

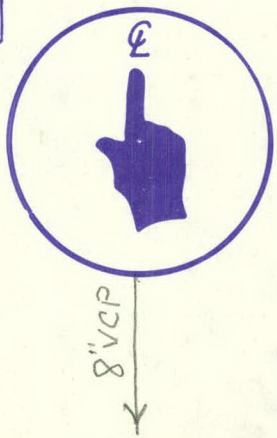
STATION	LEFT	RIGHT	SIZE	
5+12	20			11" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		4.4' / 1.8'
BRICK		
SECTIONAL	✓	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				ECCENTRIC
CONC. RINGS	✓	2	5"	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	8.30	30
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	984.42
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER		
SANITARY	✓	TELEPHONE		OTHER		

STATION	LEFT	RIGHT	SIZE	
6+17	21			9" INCH CASTING

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	✓

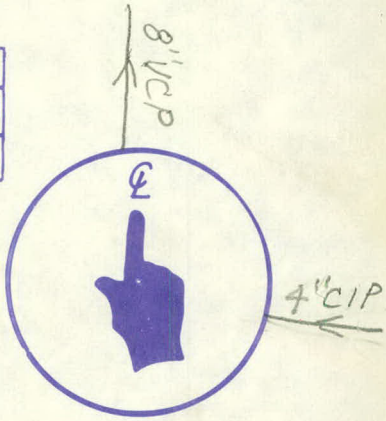
COMMENTS

ecc.

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS				

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	7.7	ELEV. 981.16
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	988.86
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

m

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER			
SANITARY	X	TELEPHONE		OTHER			

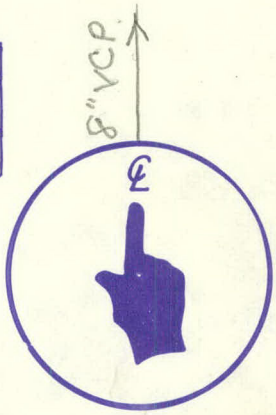
STATION	LEFT	RIGHT	SIZE	
9+60		23		7" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		
BRICK		
SECTIONAL		4.3' / 3.2'

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	2	4"	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	9.20	976.80
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	9.	20
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	986.00
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

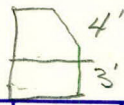
STRUCTURAL DATA

TYPE M4

STORM		ELECTRIC		WATER	
SANITARY	X	TELEPHONE		OTHER	

STATION	LEFT	RIGHT	SIZE	
10+00	20'		9	INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		
BRICK		
SECTIONAL	X	

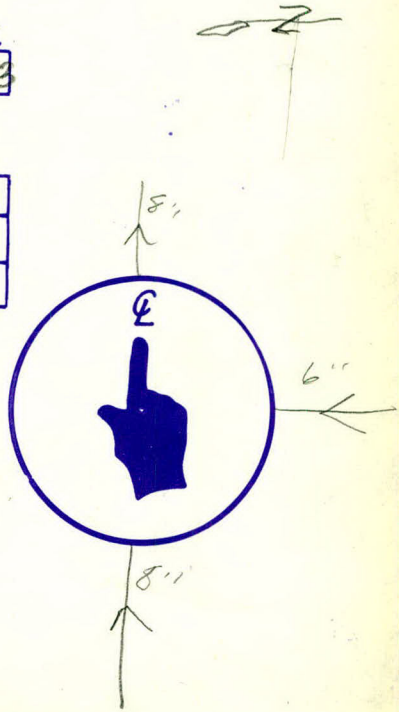


Eccentric Cone

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS		0		None

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	8.5	997.43
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	6.9	
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	985.93
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

R

STRUCTURAL DATA

TYPE

STORM	✓	ELECTRIC		WATER	
SANITARY		TELEPHONE		OTHER	

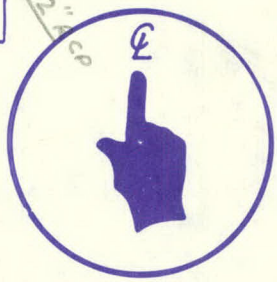
STATION	LEFT	RIGHT	SIZE	7" INCH CASTING
13+40	21			

TYPE OF CONST.		COMMENTS
BLOCK		C.B.
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	12	2.3"	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	4.8	978.41
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	4'	8'
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	983.21
FINAL ELEVATION	
DIFFERENCES	
ADJUST	
RECONSTRUCT	

13

STRUCTURAL DATA

TYPE

STORM	✓	ELECTRIC		WATER		
SANITARY		TELEPHONE		OTHER		

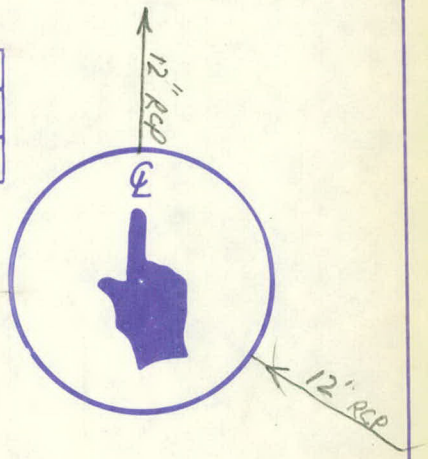
STATION	LEFT	RIGHT	SIZE	
13+61	44			11" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		C.B.
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	—	10	1.8'	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	4.8	978.53
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	4	7
ETC.	4	8
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	983.33
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

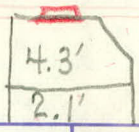
TYPE

STORM		ELECTRIC		WATER		
SANITARY	✓	TELEPHONE		OTHER		

STATION	LEFT	RIGHT	SIZE	
13+75	16			7" INCH CASTING

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	✓

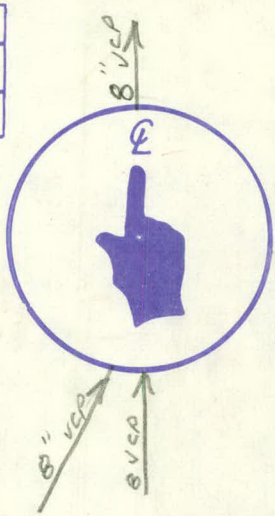
COMMENTS



ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	9	2.0'	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	9.88	973.69
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	8.	45
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	983.57
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER	
SANITARY		TELEPHONE		OTHER	

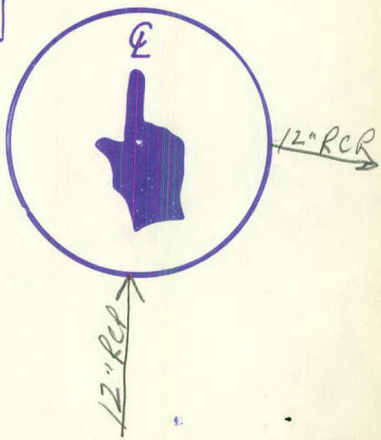
STATION	LEFT	RIGHT	SIZE	
13+88	43'			11' INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	X	C.B
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	4			

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	4.9	977.58
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		4.6
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	982.28
FINAL ELEVATION	
DIFFERENCES	
ADJUST	
RECONSTRUCT	

R

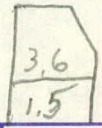
STRUCTURAL DATA

TYPE

STORM	✓	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

STATION	LEFT	RIGHT	SIZE	
13+88		Z		11" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		
BRICK		
SECTIONAL	✓	

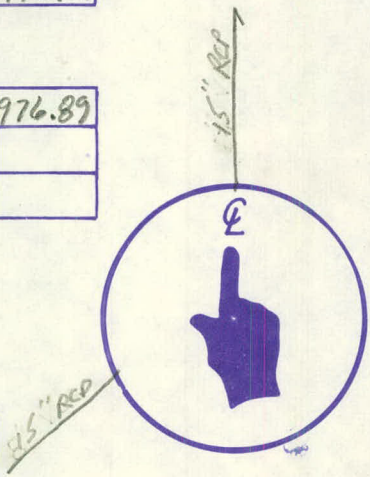


ECC.

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	4	1'	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	7.0	976.59
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	6.2	976.89
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN	
ELEVATION – TOP	983.59
FINAL ELEVATION	
DIFFERENCES	
ADJUST	
RECONSTRUCT	

STRUCTURAL DATA

TYPE

STORM	✓	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

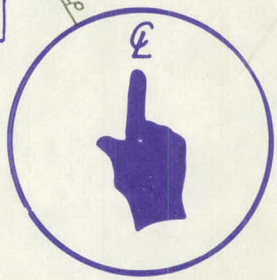
STATION	LEFT	RIGHT	SIZE	
14+73		23		11" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS		9	1.9	

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	4.45	ELEV. 977.47
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	981.92
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

B

STRUCTURAL DATA

TYPE

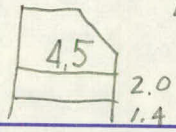
STORM		ELECTRIC		WATER	✓
SANITARY	✓	TELEPHONE		OTHER	

STATION	LEFT	RIGHT	SIZE	
15+12		22		9 INCH CASTING

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	✓

COMMENTS

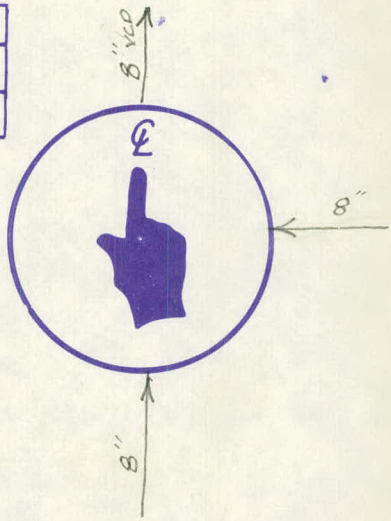
ECC



ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	5	1.0	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	10.25	972.38
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	10.02	
ETC.	10.20	
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	982.63
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

m

STRUCTURAL DATA

TYPE

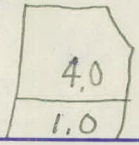
STORM	✓	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

STATION	LEFT	RIGHT	SIZE	
15+21		/		11 INCH CASTING

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	✓

COMMENTS

ECC.

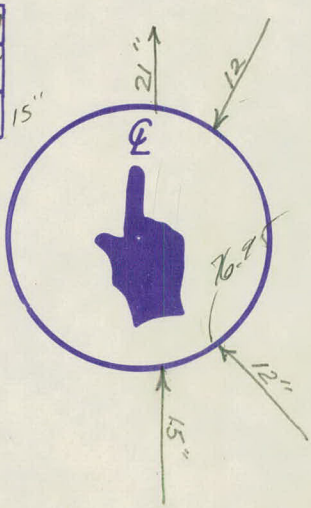


ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	8	1.5	73 27 38

2.59

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	8.20	974.88 21"
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	5.61	977.47
ETC.	6.13	976.95
INV.	7.59	975.49 15"

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	983.08
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

R

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

STATION	LEFT	RIGHT	SIZE	11" INCH CASTING
15+50		22		

TYPE OF CONST.		COMMENTS
BLOCK		C.B
BRICK		
SECTIONAL	✓	2.1

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	4"	0.9	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	3.80	977.92
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	3.80	
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW

DESIGN

ELEVATION – TOP	981.72
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER			
SANITARY	✓	TELEPHONE		OTHER			

STATION	LEFT	RIGHT	SIZE	9" INCH CASTING
15+91	19			

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	✓

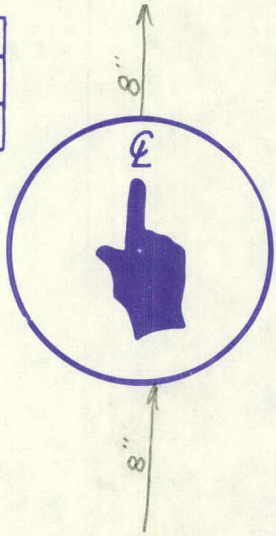
COMMENTS

ECC

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	1	2"	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	9.1	972.97
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	9.1	
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	982.07
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

B

STRUCTURAL DATA

TYPE

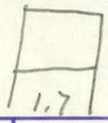
STORM	✓	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

STATION	LEFT	RIGHT	SIZE	
16+46		21		7" INCH CASTING

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	✓

C.B

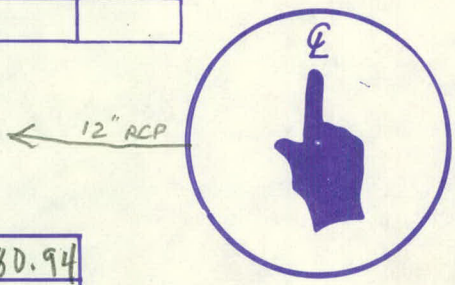
COMMENTS



ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	8	1.9'	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	4.43	976.51
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	980.94
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

M

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

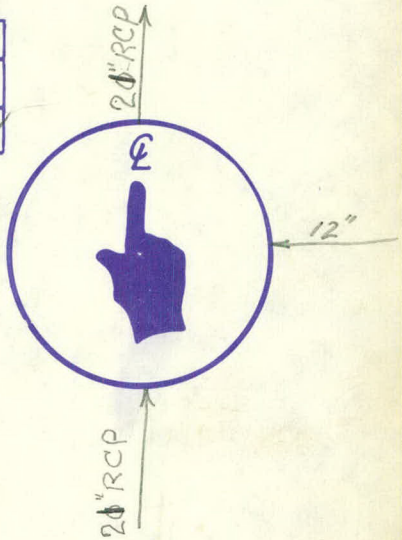
STATION	LEFT	RIGHT	SIZE	
16+49		Z		11" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		
BRICK		
SECTIONAL	✓	7.86' ECC.

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	2	4"	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	7.41	974.61
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	5.55	976.47
ETC.		
INV.	7.50	974.52

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	982.02
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM	✓	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

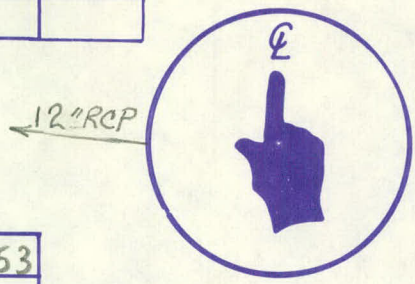
STATION	LEFT	RIGHT	SIZE	
17+67		21'		11" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		CB
BRICK		RINGS
SECTIONAL	✓	1.8

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	6	1.3	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	4.10	976.43
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	4.16	
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	980.53
FINAL ELEVATION	
DIFFERENCES	
ADJUST	
RECONSTRUCT	

STRUCTURAL DATA

TYPE

STORM	✓	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

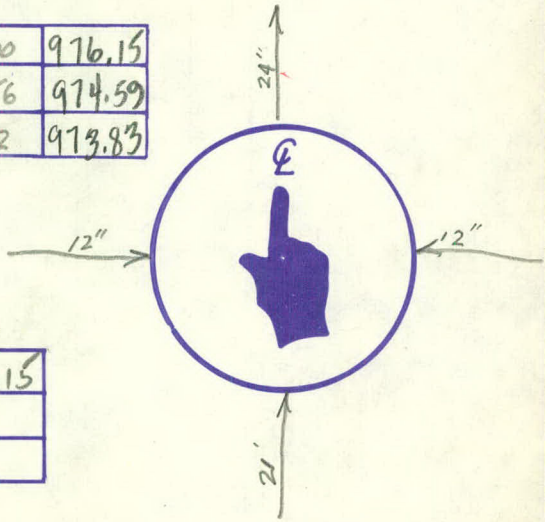
STATION	LEFT	RIGHT	SIZE	
17+68	2'			11' INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	✓	
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	4	.8	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	7.34	973.81
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	5.00	976.15
ETC.	6.56	974.59
INV.	7.32	973.83

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	981.15
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM	✓	ELECTRIC		WATER		
SANITARY		TELEPHONE		OTHER		

STATION	LEFT	RIGHT	SIZE
17+68	21'		11" INCH CASTING

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	✓

COMMENTS

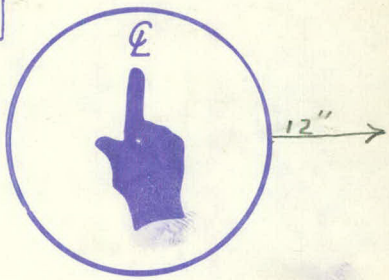
C.B.

RINGS 1.5

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	11	2.4	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	5.20	974.78
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	5.20	
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN	
ELEVATION – TOP	979.98
FINAL ELEVATION	
DIFFERENCES	
ADJUST	
RECONSTRUCT	

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER	GAS		

STATION	LEFT	RIGHT	SIZE	
17+78		15'		9" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	x	
BRICK		8" MEXICAN HAT
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS				

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	8.5	972.7
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	8.5	
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW

DESIGN

ELEVATION – TOP	981.20
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE NSP. Co.

STORM		ELECTRIC	✓	WATER	
SANITARY		TELEPHONE		OTHER	

STATION	LEFT	RIGHT	SIZE	
17+99		4'		13" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		6'×6' VAULT
BRICK	✓	
SECTIONAL	✓	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK	✓	2	.40	
CONC. RINGS				10" MEXICAN HAT

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	8.7'	972.59
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW

DESIGN

ELEVATION – TOP	981.29
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER	
SANITARY		TELEPHONE		OTHER	

STATION	LEFT	RIGHT	SIZE	
18+04	4'			9" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	X	ECC
BRICK		
SECTIONAL	X	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	2			

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	1.4	913.73
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	1.3	913.83
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW

DESIGN	
ELEVATION – TOP	981.13
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER			
SANITARY	X	TELEPHONE		OTHER			

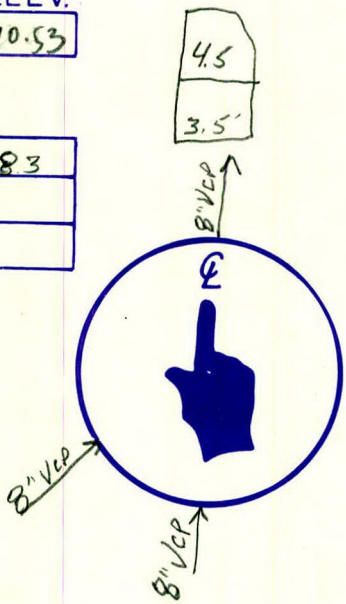
STATION	LEFT	RIGHT	SIZE	
18+06	21"			9" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		ECC
BRICK		
SECTIONAL	X	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	4			

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	10.0	970.53
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		83
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	980.53
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER			
SANITARY	X	TELEPHONE		OTHER			

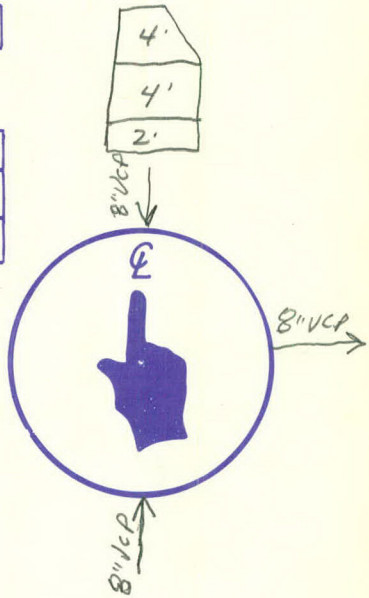
STATION	LEFT	RIGHT	SIZE	
18+06		23		9" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		ECC CONC
BRICK		
SECTIONAL	X	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	3			

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	11.7	969.59
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	981.29
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

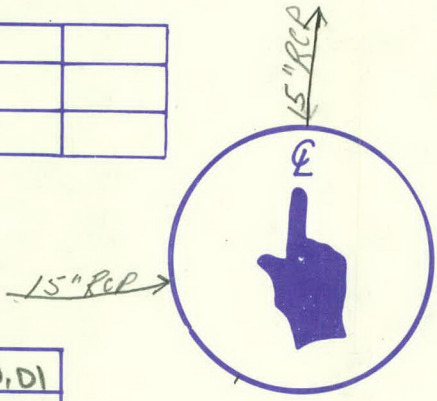
STATION	LEFT	RIGHT	SIZE	
18+12	51'			11" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	X	1' MEXICAN
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	4			

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	5.15	ELEV. 974.86
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	980.01
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER		
SANITARY		TELEPHONE		OTHER		

STATION	LEFT	RIGHT	SIZE	
18+43	22			11 INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	X	C.B
BRICK		
SECTIONAL	X	2' CONC CONE

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	—			

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	5.15	974.62
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW

DESIGN

ELEVATION – TOP	979.77
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

Good Friday

7.4.71

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

STATION	LEFT	RIGHT	SIZE	
18+45		21		11" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	X	C.B
BRICK		
SECTIONAL	X	1.5' CONE

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	—			

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	5.0	975.17
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW

DESIGN

ELEVATION – TOP	980.17
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER		
SANITARY		TELEPHONE		OTHER		

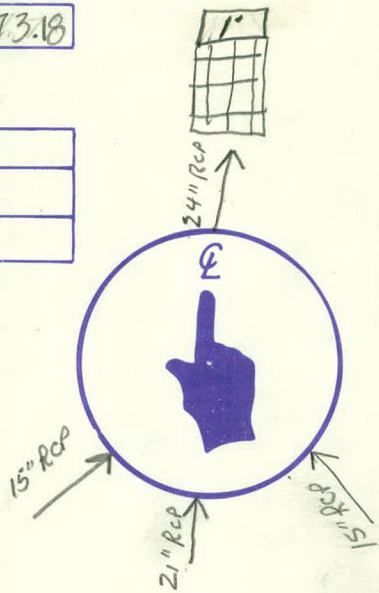
STATION	LEFT	RIGHT	SIZE	
18+68		2'		INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	X	MEXICAN HAT
BRICK		
SECTIONAL	X	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	3			

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	7.7	973.18
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	980.88
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM	✓	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

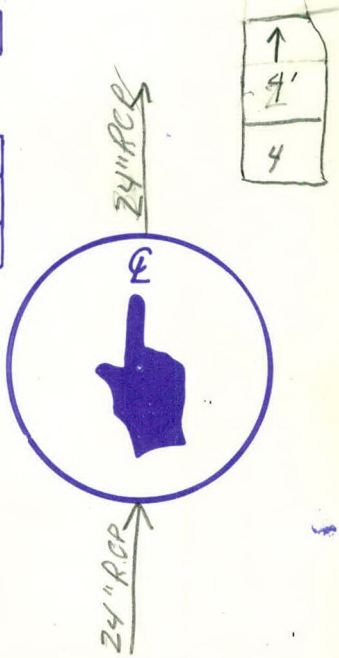
STATION	LEFT	RIGHT	SIZE	
20+42		3		9' INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		ECCEN. CONE
BRICK		
SECTIONAL	X	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	7			

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING		
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	9.6	972.36
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	981.96
FINAL ELEVATION	
DIFFERENCES	
ADJUST	
RECONSTRUCT	

STRUCTURAL DATA
TYPE MH

STORM		ELECTRIC		WATER	
SANITARY	X	TELEPHONE		OTHER	

STATION	LEFT	RIGHT	SIZE
20+73		23'	9" INCH CASTING

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	✓

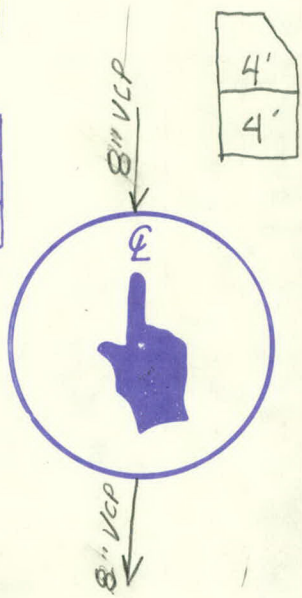
COMMENTS

ECCEN. CONE

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	7			

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	10.5	970.83
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	10.5	10.5
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	981.33
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

983.70
3.10
986.80

986.80
5.47
981.33

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER		
SANITARY	X	TELEPHONE		OTHER		

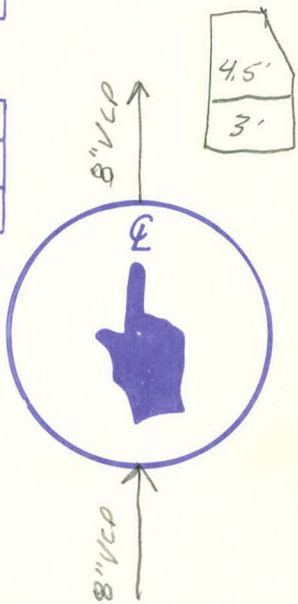
STATION	LEFT	RIGHT	SIZE	
22+11	22'-			9' INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		Ecc. Cone
BRICK		
SECTIONAL	X	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	6			

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING		ELEV.
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	10.22	969.36
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	979.58
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

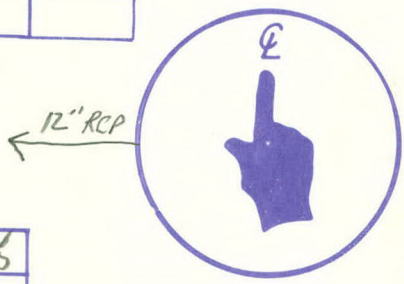
STATION	LEFT	RIGHT	SIZE	
72+61		21		11" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	X	C.B.
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK	X			
BRICK				
CONC. RINGS				

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	4.1	ELEV. 975.05
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	979.15
FINAL ELEVATION	
DIFFERENCES	
ADJUST	
RECONSTRUCT	

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER	
SANITARY		TELEPHONE		OTHER	

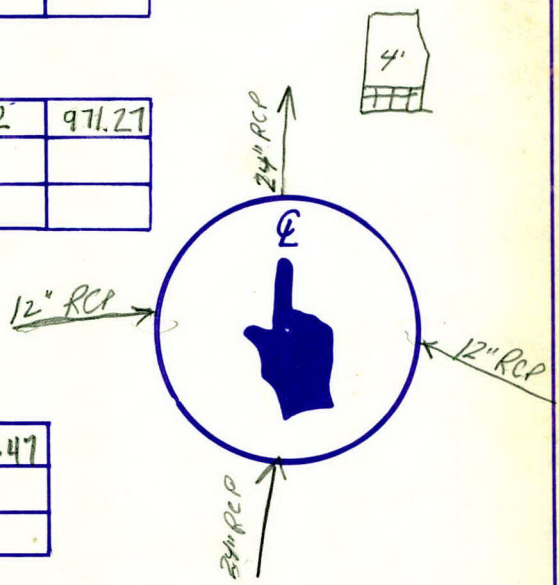
STATION	LEFT	RIGHT	SIZE	
22+65		2		11" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		ECC. CONE
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	5			

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING		
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	9.2'	971.27
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	980.47
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM	X	ELECTRIC		WATER	
SANITARY		TELEPHONE		OTHER	

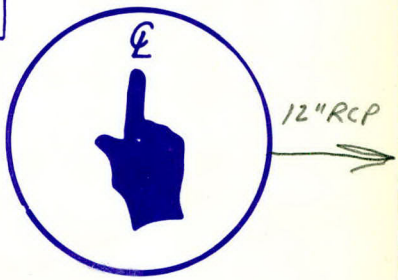
STATION	LEFT	RIGHT	SIZE	
22+66	21			11" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	X	C.B.
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK	X			
BRICK				
CONC. RINGS				

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	4.7	974.18
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	978.88
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER	
SANITARY	X	TELEPHONE		OTHER	

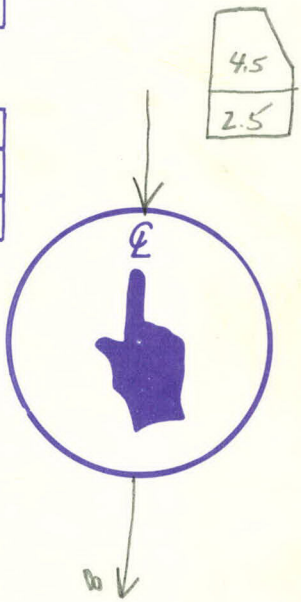
STATION	LEFT	RIGHT	SIZE	
23+45		23		9 INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		ECC. CONE
BRICK		
SECTIONAL	X	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	—			

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	8.2	971.95
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	980.15
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE

CE STORM	✓	ELECTRIC		WATER		
SANITARY		TELEPHONE		OTHER		

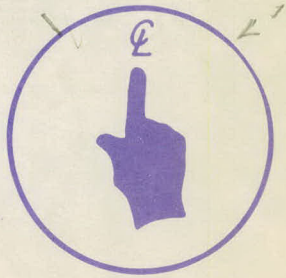
STATION	RIGHT	LEFT	SIZE	
0-48	22		11	INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	✓	1½' cone on top
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	2	.35'	

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	5.2	974.81
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	5.2	
ETC.		
ETC.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	980.01
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

W.J.S. 1976

STRUCTURAL DATA

TYPE

STORM	✓	ELECTRIC		WATER			
SANITARY		TELEPHONE		OTHER			

STATION	RIGHT	LEFT	SIZE	
0 - 44		21	11	INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		Poured Concrete bottom
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				Bottom 1½ is pre-cast
BRICK				
CONC. RINGS	✓	10±	2.2	

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	5' 974.63
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	
ETC.	
ETC.	
SIZES OF ALL PIPES AND DIRECTION OF FLOW	

DESIGN

ELEVATION - TOP	979.63
FINAL ELEVATION	
DIFFERENCES	
ADJUST	
RECONSTRUCT	

WJS 1976

STRUCTURAL DATA

TYPE

STORM	✓	ELECTRIC		WATER		
SANITARY		TELEPHONE		OTHER		

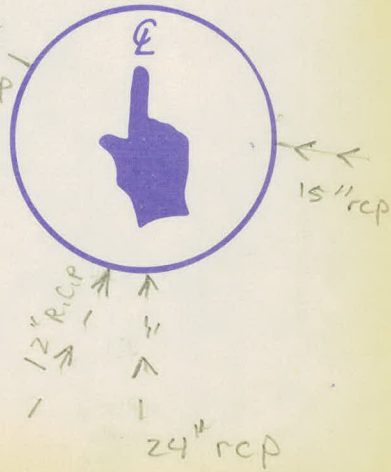
STATION	RIGHT	LEFT	SIZE	
0 - 24	2		11	INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		precast sectional
BRICK		
SECTIONAL	✓	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	3	.60	

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	11.3	969.60
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	6.4	to 12"
ETC.	6.4	to 15"
ETC.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION - TOP	980.90
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

WJS 1976

STRUCTURAL DATA

TYPE

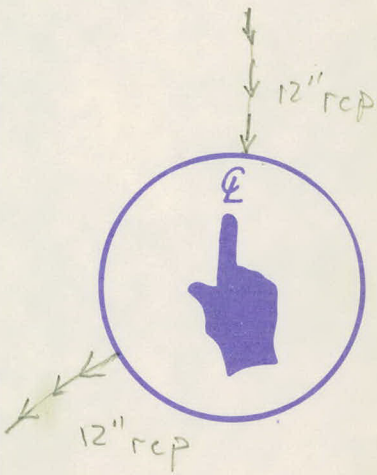
STORM	✓	ELECTRIC		WATER		
SANITARY		TELEPHONE		OTHER		

STATION	RIGHT	LEFT	SIZE	
0-21	45		11	INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	✓	Bottom
BRICK		1½' precast top w/4rings
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	4	.80	

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	5.1 975.25
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	
ETC.	
ETC.	
SIZES OF ALL PIPES AND DIRECTION OF FLOW	



DESIGN

ELEVATION – TOP	980.35
FINAL ELEVATION	
DIFFERENCES	
ADJUST	
RECONSTRUCT	

STRUCTURAL DATA

TYPE MH

STORM		ELECTRIC		WATER		
SANITARY	✓	TELEPHONE		OTHER		

STATION	RIGHT	LEFT	SIZE	
0-20	24'		9	INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		precast
BRICK		4' cone, (2) 15" sections
SECTIONAL	✓	3' bottom section

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	4	.75	

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	12.55
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	
ETC.	
ETC.	

968.08

SIZES OF ALL PIPES AND DIRECTION OF FLOW

8" day

8" day

DESIGN

ELEVATION – TOP	980.63
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

W.J.S. 1876

STRUCTURAL DATA

TYPE

STORM		ELECTRIC		WATER			
SANITARY	✓	TELEPHONE		OTHER			

STATION	RIGHT	LEFT	SIZE	
0-19		21	9	INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK		Precast
BRICK		
SECTIONAL	✓	

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	✓	4	.75	

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	12.52 968.06 / 7.5 973.08
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING	
ETC.	
ETC.	
SIZES OF ALL PIPES AND DIRECTION OF FLOW	8" clay ← ← ←
DESIGN	
ELEVATION – TOP	980.58
FINAL ELEVATION	
DIFFERENCES	
ADJUST	
RECONSTRUCT	

ok

↑ 8" clay

W.J.S. 1976