

Dr. 8 - Bk. 154

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN

Survey

LARPENTEUR AVE

From Hamline Ave to Lexington Ave

LARPENTEUR & HAMLINE

From Revetment Work - N.E. Cor.

Road Acc't. No. 50

Date Filed 1938 & 1939

File

PLAN SURVEY

Rice St. to McManamy St.

Plat

Hamline Ave

McManamy St. Edgerton St.

PLAN SURVEY

Larper Ave.

Harling Ave to Lexington Ave.

INDEX

Align - 1

Topog - 2-6

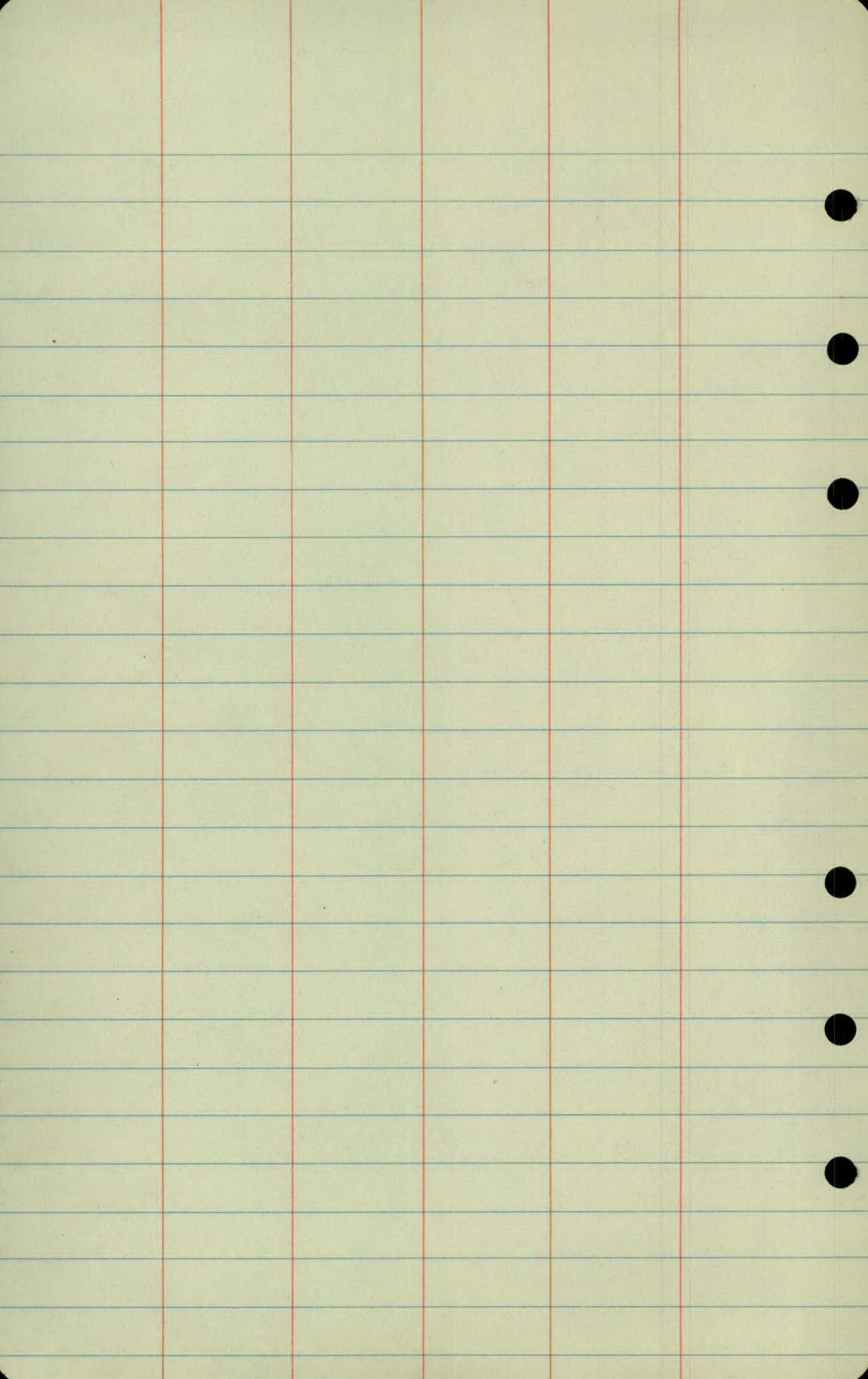
Xsections 7-12

158 106.9 = 2 Lexington Ave.

195 101.5 Ment.

131 194.8 = 2 Hamline Ave.





K.A.
L.G.
R.A.
M.C.G.

2

Topography

136

135

134

133

132

103- Edge B. Top.

+199-F.C. Cor. - 60'

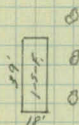
+27-3 E. Cor.
Apple Orchard - 70'

+48-S.W. Cor. Orchard - 66'

+77-15" Elm - 51'

+53-10" Elm - 50'

+53-15" Elm - 50'
+26-S.W. Cor. Ho. - 64'



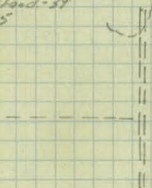
+86-S.E. Cor. Stand - 59'



+72-S.W. Cor. Rt. Beer. Stand - 39'

+58-E. End - 24' Curb - 25'

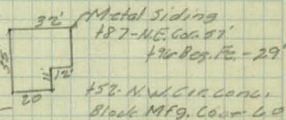
+43-W. Edge Est.



+44-P.R. - 28'
+30-End F.C. - 31'

+15-Ent
F.C. - 29'

+16-Ent
+12-P.R. - 28'



+87-Metal Siding
+87-N.E. Cor. 51'
+100-Reg. F.C. - 29'
+52-N.W. Cor. Conc.
Block Mfg. Co. - 60'

+55-P.R. - 28'

+67-End Sec. End
Curb - 10'

+70-Curb - 42'

+40-Curb - 32'
+20-Cont. Stand - 10'
+13-P.R. - 30'
+12-E. Conc. End & Curb
+11-11-34 - 39'

143

142

141

140

139

138

137

sharp work 1" thick
 2" side width
 6" curb
 60x20
 44'
 498 - P.P. - 28'
 492 - Beg. Wind. R.
 End Gurb - 33'
 458 - N.W. Cor. - 68'

Office
 76 - N.W. Cor. Sheds - 25'
 70 - End G.R. Fe. - 38'
 64 - P.P. - 27'
 45 - Beg. G.R. Fe. - 34'
 32 - Ent.
 11 - Beg. G.R. Fe. - 33'

Fe - 42'

412 - P.P. - 28'

Dump

Fe - 46'

70 - End Dump along Dump
 53 - P.P. - 28'
 Swamp
 Swamp - 60'

Fe - 48'

Fe - 50'

408 - P.P. - 28'

150

149

148

147

146

+ 87-E. End 24' x 11', 22'
Hatch wall 5' wide - 1' thick

145

144

5

II

1891

Edmund Ave

Bl. Top

6" Curb

10

6/19/15

✓ 1 Well

20'

11

24

450

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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2.4'

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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F. S. W. a / K

158

157

156

155

154

153

152

151

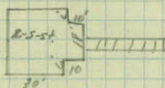
+99-End Rod-37'

+60-T.P.-22'

+67-Reg. Rod-10'

+65-18" R. Elder-36'

+08-6" Cons. Walk-22'



+92-S.W. Cor. Ho-81

+75-G.P.-23'

+98-2" M. Gate-37'

+16-End-12" (26 G.P.)-28'

+59-End Rod-36' 6"

+80-Curb-18'

+70-Rv-10-13' Curb-13'



+65-Cons. Based Pump-44'

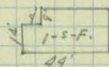
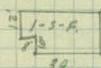
+55-Cons. Based Pump-39'

+58-M.W. Cor. Ho-60'

+29-W. Edge End-36'

+07-M.W. Cor. Ho-60'

+01-P.H.-28'



+97-62' Wood St. q.

Stone Walk-18' x 18' 29'-25'

+87-M.W. Cor. Ho-58'

+53-P.H.-28'

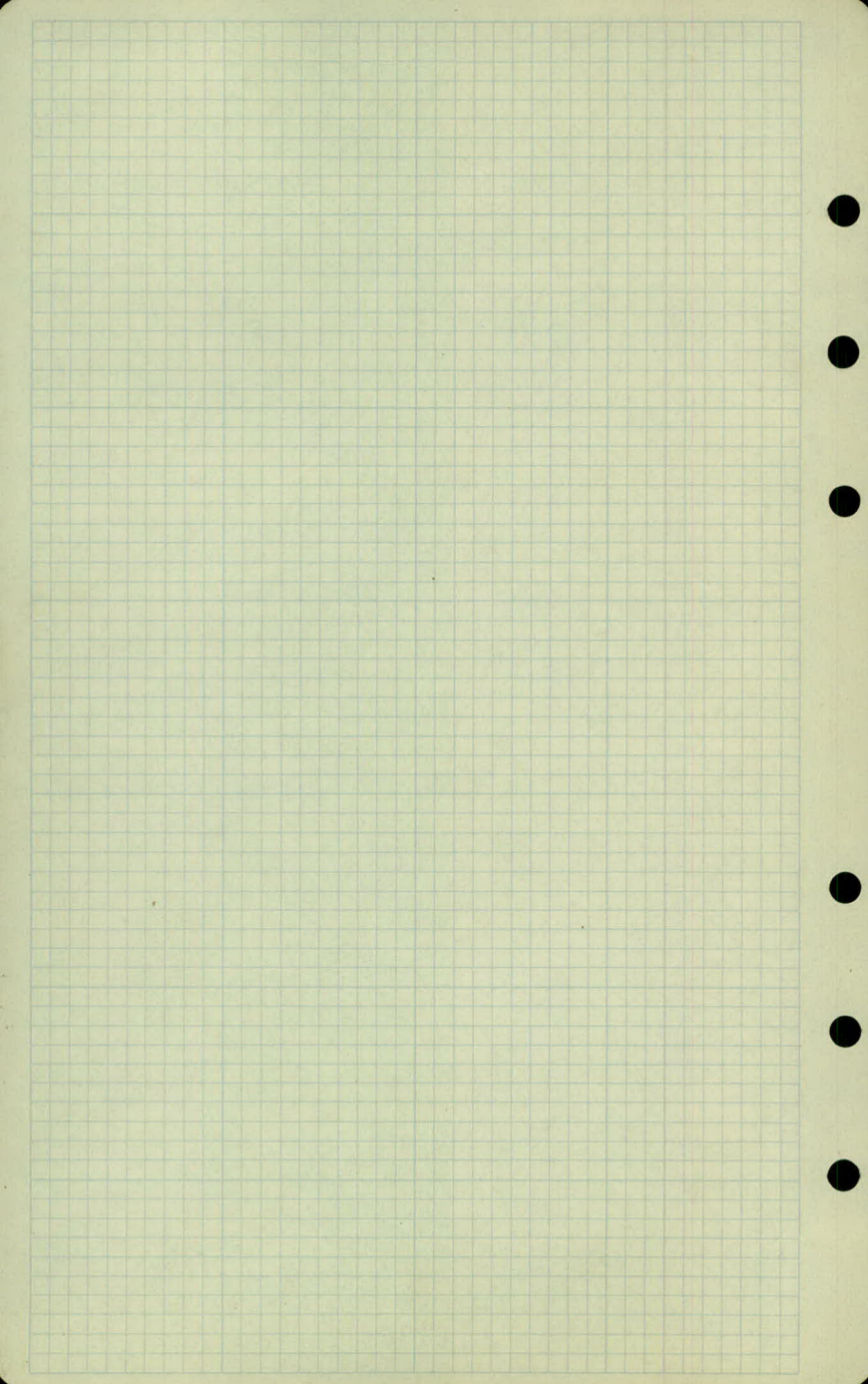
+01-P.H.-28'

+05-Hyd-19'

+43-P.H.-28'

+02-E.Rd.

+10-P.H.-28'



K.A.
L.P.
M.J.G

7

X Sections

Sta	+	A	-	Elev
B.M.	4.42	999.76		945.34

132				45.2
-----	--	--	--	------

+56				43.0
-----	--	--	--	------

+59				42.7
-----	--	--	--	------

133				40.7
-----	--	--	--	------

+50				38.1
-----	--	--	--	------

I.P.	1.45	937.89	18.32	936.44
------	------	--------	-------	--------

134				35.7
-----	--	--	--	------

+50				33.2
-----	--	--	--	------

135				30.7
-----	--	--	--	------

+50				28.1
-----	--	--	--	------

+92				26.0
-----	--	--	--	------

I.P.	0.70	926.12	12.97	925.42
------	------	--------	-------	--------

136	+50			23.3
-----	-----	--	--	------

Lt.

L

Rt.

Tope Mont Large Hamline Ave.

$$\frac{96}{60} \quad \frac{479}{488}$$

$$\frac{27}{60} \quad \frac{30}{35} \quad \frac{59}{25} \quad \frac{709}{10} \quad \frac{478}{10}$$

$$\frac{26}{60} \quad \frac{32}{34} \quad \frac{90}{20} \quad \frac{74}{25} \quad \frac{90}{24} \quad \frac{69}{19} \quad \frac{724}{10} \quad \frac{702}{10}$$

$$\frac{15}{60} \quad \frac{18}{35} \quad \frac{39}{25} \quad \frac{39}{22} \quad \frac{99}{21} \quad \frac{928}{10} \quad \frac{909}{10}$$

$$\frac{0.2}{60} \quad \frac{0.5}{39} \quad \frac{125}{23} \quad \frac{125}{22} \quad \frac{120}{21} \quad \frac{1197}{10} \quad \frac{1165}{10}$$

$$\frac{27}{24} \quad \frac{29}{10} \quad \frac{216}{10}$$

$$\frac{67}{25} \quad \frac{67}{22} \quad \frac{30}{21} \quad \frac{487}{10} \quad \frac{467}{10}$$

$$\frac{87}{27} \quad \frac{87}{23} \quad \frac{16}{21} \quad \frac{741}{10} \quad \frac{723}{10}$$

$$\frac{103}{24} \quad \frac{103}{22} \quad \frac{98}{21} \quad \frac{773}{10} \quad \frac{779}{10}$$

$$\frac{130}{24} \quad \frac{130}{22} \quad \frac{129}{21} \quad \frac{1202}{10} \quad \frac{1189}{10}$$

$$\frac{59}{28} \quad \frac{59}{25} \quad \frac{38}{22} \quad \frac{312}{10} \quad \frac{283}{10}$$

Sta	+	X	-	Elev
		926.12		
137				20.7
+23				19.6
B.M.			5.50	920.62
B.M.	6.60	951.94		945.94
134				35.7
+50				33.2
133				30.7
+50				28.1
+92				26.0
136	+50			23.3
T.P.	1.02	957.52	18.94	938.50
T.P.	2.50	928.64	13.38	926.14
B.M.	0.96	921.58	2.03	920.61
T.P.	1.52	909.78	13.11	908.46

41

4

21

$$\frac{16}{60} \quad \frac{11}{40} \quad \frac{70}{31} \quad \frac{70}{25} \quad \frac{59}{22} \quad \frac{569}{10} \quad \frac{539}{10}$$

$$\frac{106}{60} \quad \frac{76}{38} \quad \frac{78}{32} \quad \frac{81}{24} \quad \frac{71}{21} \quad \frac{6.75}{10} \quad \frac{655}{10}$$

#2

Top Rev. Lago + Hamilton Ave.

$$\frac{29}{100} \quad \frac{22}{60} \quad \frac{29}{42}$$

16.2

$$\frac{31}{100} \quad \frac{25}{60} \quad \frac{29}{47}$$

18.7

$$\frac{38}{100} \quad \frac{33}{70} \quad \frac{32}{50}$$

21.2

$$\frac{51}{100} \quad \frac{51}{75} \quad \frac{45}{50}$$

23.8

$$\frac{75}{100} \quad \frac{67}{75} \quad \frac{61}{55}$$

25.9

$$\frac{208}{100} \quad \frac{172}{75} \quad \frac{134}{52}$$

28.6

#2

Sta	T	A	-	Elev
		709.78		
141				04.4
	+30			03.9
142				04.1
	+05			04.1
	+50			04.4
143				05.1
	+50			06.3
	+92			07.2
144				07.5
T.P.	198	915.20	2.56	907.22
	+4			07.9
	+25			08.1

LH

L

LH

$$\begin{array}{r} 535 \\ \hline 10 \end{array} \quad \begin{array}{r} 569 \\ \hline 23 \end{array} \quad \begin{array}{r} 59 \\ \hline 26 \end{array} \quad \begin{array}{r} 76 \\ \hline 30 \end{array} \quad \begin{array}{r} 76 \\ \hline 32 \end{array} \quad \begin{array}{r} 58 \\ \hline 50 \end{array} \quad \begin{array}{r} 68 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 585 \\ \hline 10 \end{array} \quad \begin{array}{r} 607 \\ \hline 23 \end{array} \quad \begin{array}{r} 66 \\ \hline 27 \end{array} \quad \begin{array}{r} 75 \\ \hline 31 \end{array} \quad \begin{array}{r} 75 \\ \hline 33 \end{array} \quad \begin{array}{r} 66 \\ \hline 40 \end{array} \quad \begin{array}{r} 73 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 571 \\ \hline 10 \end{array} \quad \begin{array}{r} 602 \\ \hline 26 \end{array} \quad \begin{array}{r} 60 \\ \hline 26 \end{array} \quad \begin{array}{r} 78 \\ \hline 30 \end{array} \quad \begin{array}{r} 78 \\ \hline 33 \end{array} \quad \begin{array}{r} 60 \\ \hline 41 \end{array} \quad \begin{array}{r} 67 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 548 \\ \hline 10 \end{array} \quad \begin{array}{r} 596 \\ \hline 21 \end{array} \quad \begin{array}{r} 54 \\ \hline 40 \end{array} \quad \begin{array}{r} 62 \\ \hline 60 \end{array} \quad \begin{array}{r} 67 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 539 \\ \hline 10 \end{array} \quad \begin{array}{r} 565 \\ \hline 27 \end{array} \quad \begin{array}{r} 57 \\ \hline 60 \end{array} \quad \begin{array}{r} 64 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 467 \\ \hline 10 \end{array} \quad \begin{array}{r} 490 \\ \hline 23 \end{array} \quad \begin{array}{r} 45 \\ \hline 60 \end{array} \quad \begin{array}{r} 54 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 481 \\ \hline 10 \end{array} \quad \begin{array}{r} 380 \\ \hline 50 \end{array} \quad \begin{array}{r} 40 \\ \hline 53 \end{array} \quad \begin{array}{r} 34 \\ \hline 60 \end{array} \quad \begin{array}{r} 30 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 254 \\ \hline 10 \end{array} \quad \begin{array}{r} 271 \\ \hline 20 \end{array} \quad \begin{array}{r} 23 \\ \hline 39 \end{array} \quad \begin{array}{r} 21 \\ \hline 60 \end{array} \quad \begin{array}{r} 16 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 233 \\ \hline 10 \end{array} \quad \begin{array}{r} 258 \\ \hline 19 \end{array} \quad \begin{array}{r} 23 \\ \hline 25 \end{array} \quad \begin{array}{r} 163 \\ \hline 28 \end{array} \quad \begin{array}{r} 163 \\ \hline 33 \end{array} \quad \begin{array}{r} 106 \\ \hline 33 \end{array} \quad \begin{array}{r} 10 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 183 \\ \hline 10 \end{array} \quad \begin{array}{r} 765 \\ \hline 20 \end{array} \quad \begin{array}{r} 74 \\ \hline 24 \end{array} \quad \begin{array}{r} 74 \\ \hline 29 \end{array} \quad \begin{array}{r} 688 \\ \hline 33 \end{array} \quad \begin{array}{r} 68 \\ \hline 33 \end{array} \quad \begin{array}{r} 60 \\ \hline 60 \end{array} \quad \begin{array}{r} 56 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 711 \\ \hline 10 \end{array} \quad \begin{array}{r} 731 \\ \hline 24 \end{array} \quad \begin{array}{r} 74 \\ \hline 27 \end{array} \quad \begin{array}{r} 687 \\ \hline 33 \end{array} \quad \begin{array}{r} 65 \\ \hline 33 \end{array} \quad \begin{array}{r} 25 \\ \hline 38 \end{array} \quad \begin{array}{r} 02 \\ \hline 40 \end{array} \quad \begin{array}{r} 00 \\ \hline 40 \end{array}$$

Sta	+	X	-	Elev
		915.20		
144	+60			09.0
145				10.0
	+01.5			10.0
T.P.	9.73	920.70	4.23	910.97
+11	Prop Line			10.3
		$\frac{+2.4}{Hyd}$	→ 5.37	915.33
+27	Gutter Line			10.7
+22	R. Fernwood Ave.			11.1
+55	Gutter Line			11.4
+71	Prop Line			11.8
+82				12.1
+82				12.1
146				12.5
T.P.	9.73	922.22	8.41	912.29

lt

2

rt

Curb S.W. Wall

$$\begin{array}{r} 624 \\ \hline 10 \end{array} \quad \begin{array}{r} 656 \\ \hline 20 \end{array} \quad \begin{array}{r} 71 \\ \hline 22 \end{array} \quad \begin{array}{r} 69 \\ \hline 24 \end{array} \quad \begin{array}{r} 620 \\ \hline 24 \end{array} \quad \begin{array}{r} 55 \\ \hline 24 \end{array} \quad \begin{array}{r} 532 \\ \hline 33 \end{array} \quad \begin{array}{r} 23 \\ \hline 33 \end{array} \quad \begin{array}{r} 00 \\ \hline 37 \end{array} \quad \begin{array}{r} 00 \\ \hline 40 \end{array}$$

Curb

Curb S.W. Wall

$$\begin{array}{r} 525 \\ \hline 10 \end{array} \quad \begin{array}{r} 546 \\ \hline 16 \end{array} \quad \begin{array}{r} 54 \\ \hline 20 \end{array} \quad \begin{array}{r} 70 \\ \hline 20 \end{array} \quad \begin{array}{r} 917 \\ \hline 21 \end{array} \quad \begin{array}{r} 70 \\ \hline 23 \end{array} \quad \begin{array}{r} 502 \\ \hline 24 \end{array} \quad \begin{array}{r} 427 \\ \hline 33 \end{array} \quad \begin{array}{r} 387 \\ \hline 33 \end{array} \quad \begin{array}{r} 237 \\ \hline 37 \end{array} \quad \begin{array}{r} 03 \\ \hline 40 \end{array}$$

Curb S.W. Wall

$$\begin{array}{r} 523 \\ \hline 10 \end{array} \quad \begin{array}{r} 541 \\ \hline 10 \end{array} \quad \begin{array}{r} 51 \\ \hline 24 \end{array} \quad \begin{array}{r} 413 \\ \hline 24 \end{array} \quad \begin{array}{r} 305 \\ \hline 33 \end{array} \quad \begin{array}{r} 212 \\ \hline 33 \end{array} \quad \begin{array}{r} 03 \\ \hline 37 \end{array} \quad \begin{array}{r} 103 \\ \hline 60 \end{array}$$

Curb S.W.

$$\begin{array}{r} 1045 \\ \hline 10 \end{array} \quad \begin{array}{r} 1067 \\ \hline 24 \end{array} \quad \begin{array}{r} 100 \\ \hline 24 \end{array} \quad \begin{array}{r} 919 \\ \hline 24 \end{array} \quad \begin{array}{r} 670 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 110 \\ \hline 10 \end{array} \quad \begin{array}{r} 1025 \\ \hline 10 \end{array} \quad \begin{array}{r} 97 \\ \hline 22 \end{array} \quad \begin{array}{r} 91 \\ \hline 23 \end{array} \quad \begin{array}{r} 76 \\ \hline 23 \end{array}$$

$$\begin{array}{r} 923 \\ \hline 10 \end{array} \quad \begin{array}{r} 982 \\ \hline 10 \end{array} \quad \begin{array}{r} 83 \\ \hline 41 \end{array} \quad \begin{array}{r} 71 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 981 \\ \hline 10 \end{array} \quad \begin{array}{r} 95 \\ \hline 10 \end{array} \quad \begin{array}{r} 87 \\ \hline 36 \end{array} \quad \begin{array}{r} 78 \\ \hline 60 \end{array}$$

S.W.

$$\begin{array}{r} 892 \\ \hline 10 \end{array} \quad \begin{array}{r} 921 \\ \hline 10 \end{array} \quad \begin{array}{r} 823 \\ \hline 37 \end{array} \quad \begin{array}{r} 659 \\ \hline 60 \end{array}$$

8.6

$$\begin{array}{r} 593 \\ \hline 10 \end{array} \quad \begin{array}{r} 89 \\ \hline 17 \end{array} \quad \begin{array}{r} 764 \\ \hline 24 \end{array} \quad \begin{array}{r} 92 \\ \hline 24 \end{array} \quad \begin{array}{r} 51 \\ \hline 35 \end{array} \quad \begin{array}{r} 28 \\ \hline 60 \end{array}$$

8.6

$$\begin{array}{r} 114 \\ \hline 20 \end{array} \quad \begin{array}{r} 12.55 \\ \hline 21 \end{array} \quad \begin{array}{r} 114 \\ \hline 23 \end{array}$$

08.15

$$\begin{array}{r} 818 \\ \hline 10 \end{array} \quad \begin{array}{r} 849 \\ \hline 20 \end{array} \quad \begin{array}{r} 28 \\ \hline 23 \end{array} \quad \begin{array}{r} 102 \\ \hline 23 \end{array} \quad \begin{array}{r} 102 \\ \hline 25 \end{array} \quad \begin{array}{r} 35 \\ \hline 33 \end{array} \quad \begin{array}{r} 18 \\ \hline 38 \end{array}$$

Sta

+

A

-

Elev.

922.22

146 +50

14.0

147

15.5

+50

16.5

148

17.1

+50

18.1

149

19.2

T.P.

2.67

913.65

11.25

910.98

T.P.

9.20

913.97

7.58

909.07

T.P.

11.02

928.26

1.73

912.24

B.M.

2.67

920.57

920.02

Lt

2

12t.

$$\frac{52.0}{10} \quad \frac{89.6}{19} \quad \frac{88}{23} \quad \frac{10.7}{25} \quad \frac{10.9}{35} \quad \frac{2.0}{60}$$

$$\frac{6.78}{10} \quad \frac{6.9}{11} \quad \frac{7.1}{24} \quad \frac{9.0}{25} \quad \frac{9.0}{35} \quad \frac{0.1}{60} \quad \frac{10.7}{60}$$

$$\frac{57.9}{10} \quad \frac{59.2}{21} \quad \frac{6.2}{23} \quad \frac{7.7}{25} \quad \frac{7.7}{33} \quad \frac{0.8}{60} \quad \frac{0.5}{60}$$

$$\frac{50.8}{10} \quad \frac{52.8}{20} \quad \frac{5.4}{23} \quad \frac{6.8}{25} \quad \frac{6.8}{33} \quad \frac{0.9}{60} \quad \frac{0.0}{60}$$

$$\frac{41.5}{10} \quad \frac{43.3}{20} \quad \frac{4.5}{23} \quad \frac{6.1}{25} \quad \frac{6.1}{27} \quad \frac{1.7}{33} \quad \frac{1.5}{60}$$

$$\frac{50.7}{10} \quad \frac{33.1}{21} \quad \frac{3.3}{25} \quad \frac{5.2}{30} \quad \frac{5.2}{34} \quad \frac{2.3}{60} \quad \frac{2.0}{60}$$

H₂

1200

900

400
900

$$\begin{array}{r} 27 \overline{) 1300} \quad 4 \\ \underline{135} \end{array}$$

3

900

41

$$\begin{array}{r} 4.5 \\ 300 \\ \hline 1350.0 \end{array}$$

$$\begin{array}{r} 1800 \\ 133 \\ \hline 5400 \\ 5900 \\ \hline 59400 \end{array}$$

$$\begin{array}{r} 1350 \\ 594 \\ \hline 27 \overline{) 1944} \quad 72 \\ \underline{189} \\ 54 \end{array}$$

60

staking

Larp. Av. Ditch

2. pages

Sta.	+	-	10' Lt. Grade.
B.M.	1.53	996.87	(995.34)
132	+59		4.35
133			6.43
	+50		9.0
I.P.	4.15	999.64	11.38 925.49
134			4.15
	+50		6.60
135			9.15
I.P.	4.16	992.10	11.70 927.94
	+50		4.16
136			6.62
I.P.	0.63	919.52	12.21 918.89
I.P.	6.42	912.17	12.77 905.75
B.M.			2.20 907.97

Lt.
Gr. Rod. 2735'

Top Mont. Lerpentuse + Hamline Aves.

2.85

4.93

7.5

2.65

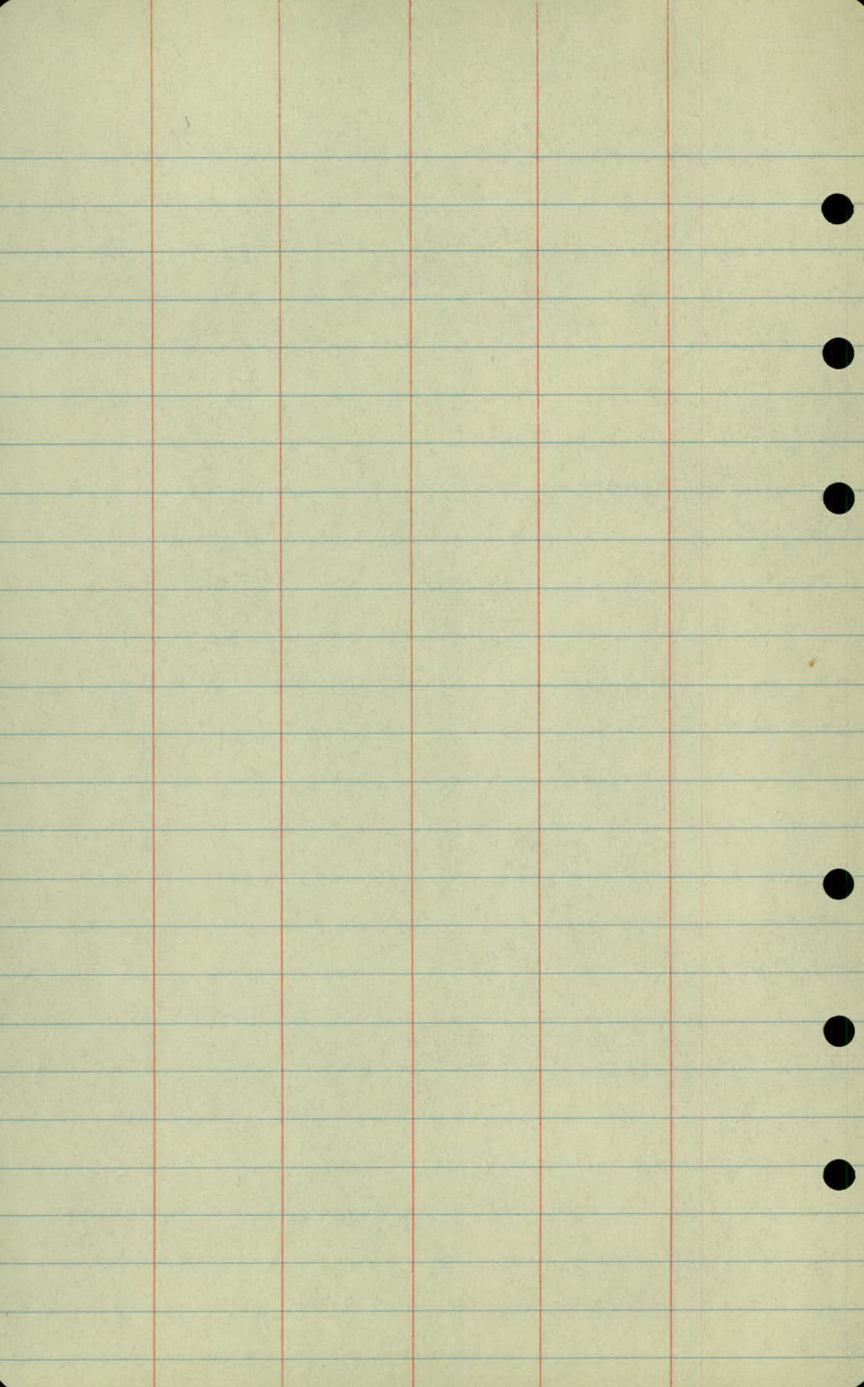
5.10

7.68

2.66

5.12

Top Mont. Lerp + Fernwood.



1
Staking

Laurel Ave Nitch at Fernwood.

18

2 Pages

Sta.	+	-	Ditch Grade
B.M.	405	914.02	909.97

143			909.1
-----	--	--	-------

+50			05.3
-----	--	--	------

144			06.5
-----	--	--	------

+50			07.15
-----	--	--	-------

145			07.8
-----	--	--	------

Cor. Red.

Top Mont. large Fernwood.

9.92

6.72

$$\frac{822}{+0.5} / 6'055502$$

7.52

$$\frac{602}{+1.5}$$

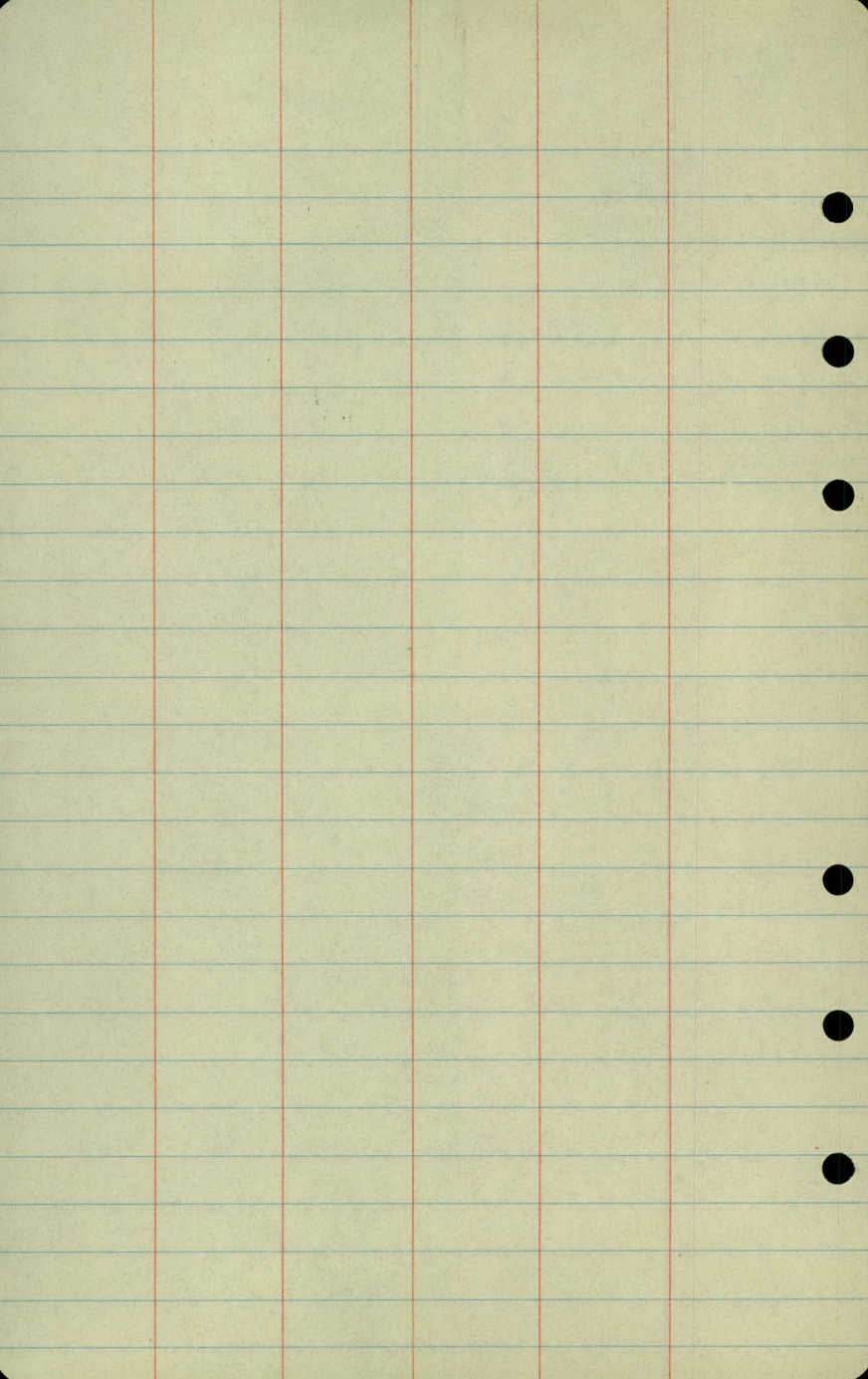
6.87

$$\frac{4.97}{+2.5} / 6'055504$$

6.22

$$\frac{272}{+1.5} / 6'055504$$

Calc 7.04



PLAN SURVEY

N. W. Corner

Hamlin & Carpenter Ave.

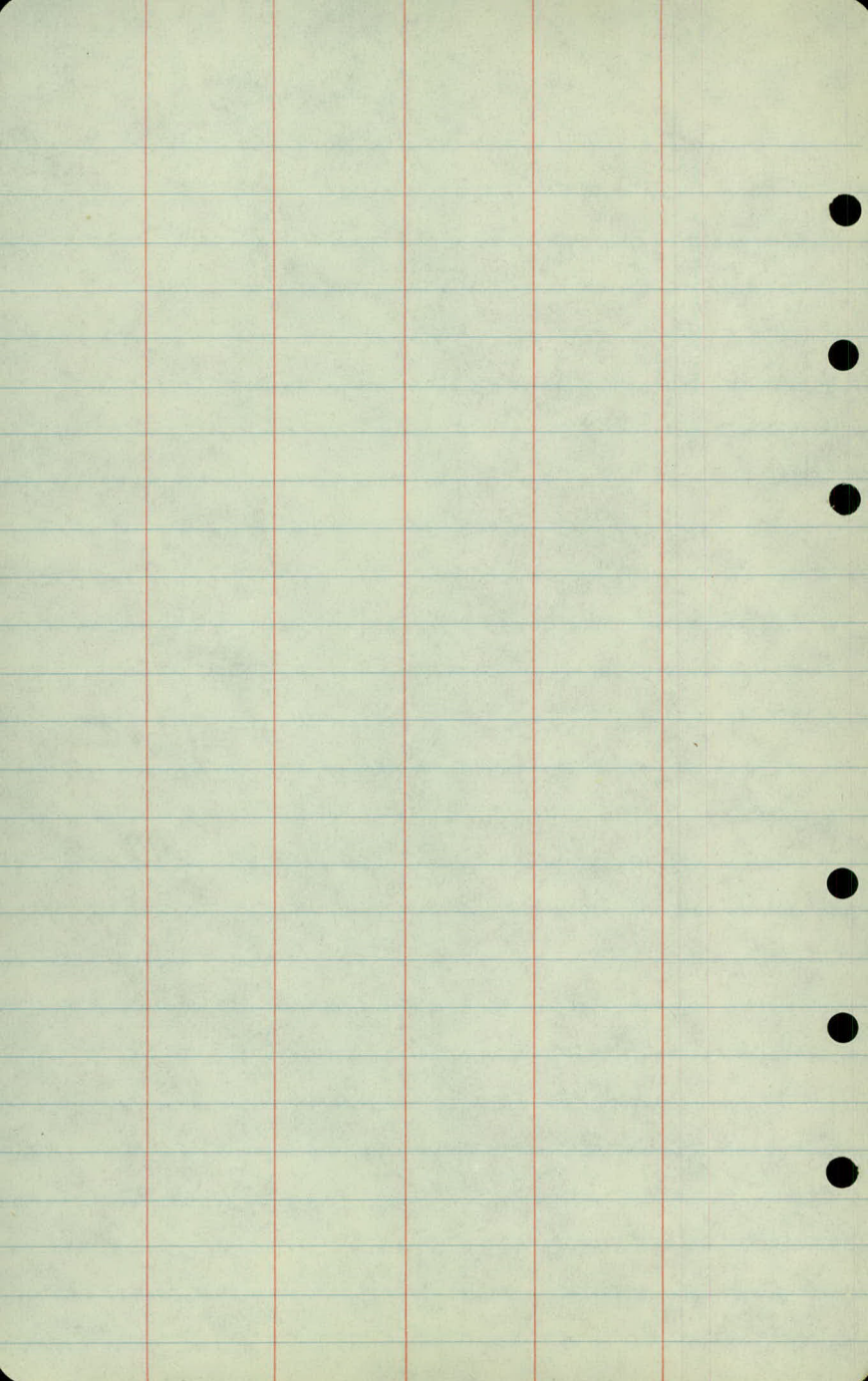
worked up
oct 4-1939
wpB

INDEX

Flight

Topog. 1-2

X Sections 3-5



1

Topography

3 Gutter - 28'-12' ^{22' 12" WJB}

+40 - Range Fig. -
+34 - End 2" Pipe - 32'

2 Gutter - 28'-22'

+80 - 12" Elm - 50'

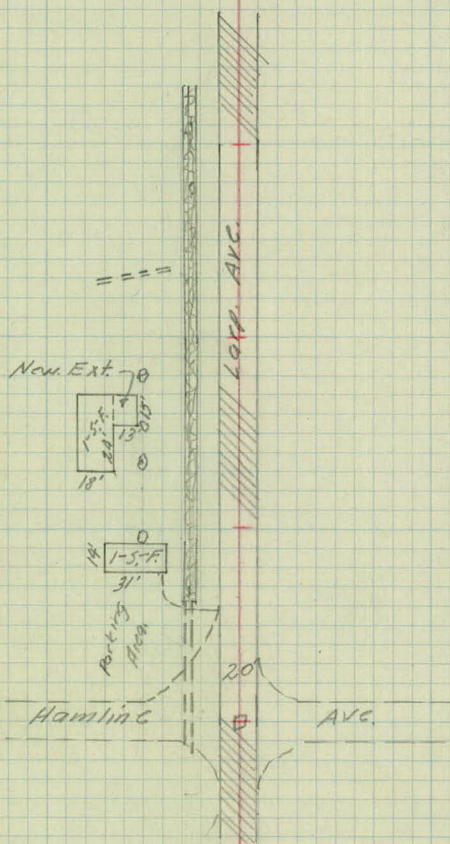
+57 - 12" Elm - 50'
+36 - 10" Elm - 50'
+30 - S.W. Cor Ho - 45'

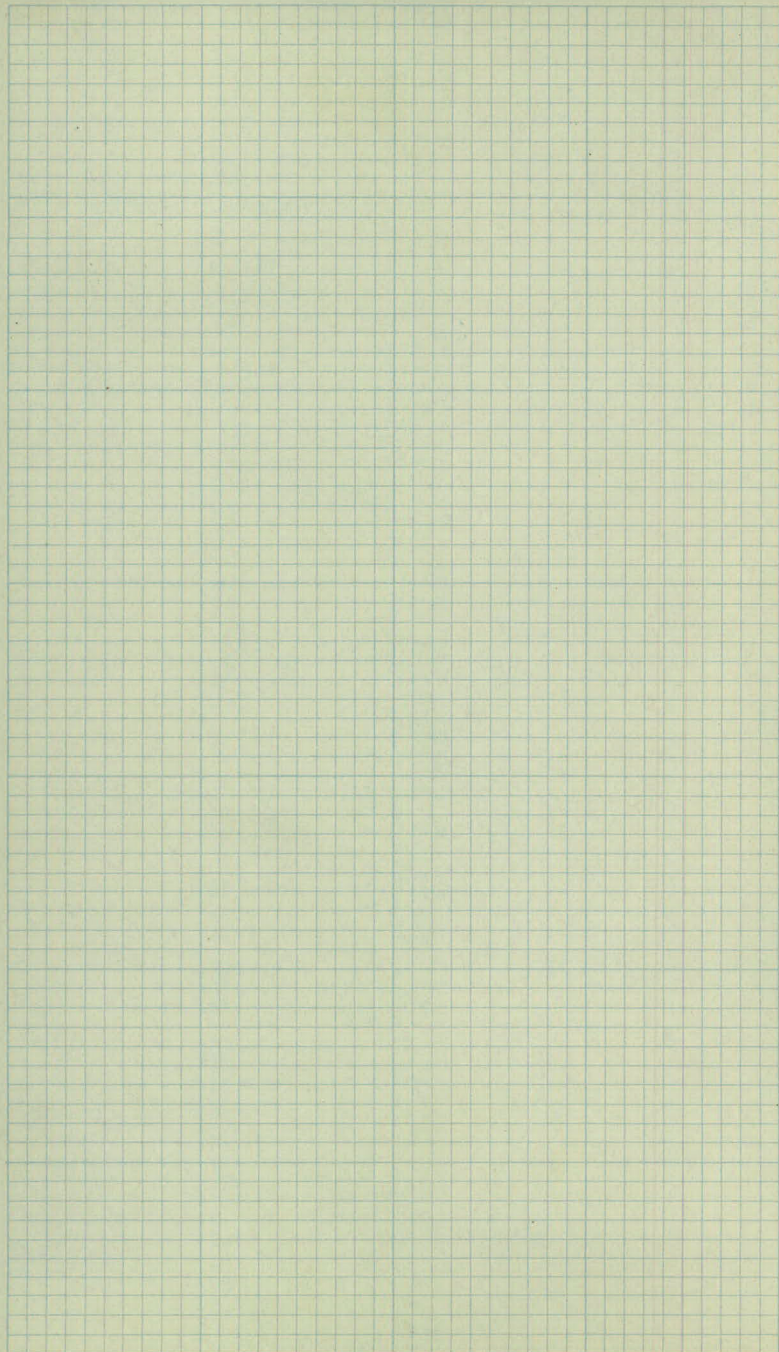
1 Gutter - 28'-22'
+95 - 15" Elm - 50'

+77 - S.W. Cor. Roof Beam Stand. - 39'

+63 - W. End 24" L.M. - 25'
Top Wall - 27'

0100





X sections

Hamline & Larp.

Sta	+	Σ	-	Elev
B.M.	469	949.98		745.34
0	+00			45.34
	+40			44.03
	+62			42.91
	+63			42.86
1				40.91
	+50			38.41
I.P.	3.09	939.94 939.95	13.13	936.85 936.86
2				35.94
	+50			33.53
3				30.93
I.P.	11.16	750.47 950.48	0.63	939.31 939.32
1	+50			38.41
2				36.94

Lt.

t

Top Meat Hamline + Loop Ave

$$\frac{45}{60} \quad \frac{450}{10} \quad \frac{469}{10}$$

$$\frac{42}{60} \quad \frac{45}{14} \quad \frac{60}{24} \quad \frac{620}{10} \quad \frac{595}{10} \quad 6.0$$

$$\frac{30}{60} \quad \frac{31}{34} \quad \frac{62}{28} \quad \frac{65}{21} \quad \frac{730}{10} \quad \frac{707}{10} \quad 7.1$$

$$\frac{30}{60} \quad \frac{30}{39} \quad \frac{735}{276} \quad \frac{760}{240} \quad \frac{818}{221} \quad \frac{77}{20} \quad \frac{74}{10} \quad \frac{712}{10} \quad 7.1$$

$$\frac{19}{60} \quad \frac{21}{34} \quad \frac{802}{277} \quad \frac{1049}{248} \quad \frac{1005}{223} \quad \frac{94}{19} \quad \frac{926}{10} \quad \frac{907}{10} \quad 9.1$$

Cont. $\frac{1045}{280} \quad \frac{1290}{250} \quad \frac{1255}{220} \quad \frac{122}{20} \quad \frac{1182}{10} \quad \frac{1157}{10} \quad 11.6$

Cont. $\frac{255}{284} \quad \frac{513}{248} \quad \frac{496}{284} \quad \frac{91}{20} \quad \frac{918}{10} \quad \frac{400}{10}$

Cont. $\frac{493}{288} \quad \frac{765}{247} \quad \frac{726}{225} \quad \frac{66}{20} \quad \frac{466}{70} \quad \frac{641}{10}$

Cont. $\frac{788}{283} \quad \frac{1033}{250} \quad \frac{993}{223} \quad \frac{94}{19} \quad \frac{919}{10} \quad \frac{901}{10}$

$$\frac{12}{60} \quad \frac{12}{37} \quad (12.07)$$

$$\frac{0.5}{60} \quad \frac{10}{70} \quad (14.54)$$

sta.

+

x

-

Elev.

750.48

2 124

4.05

46.42

+50

33.57

3

B.M.

5.13

30.93

745.34 ✓

745.35

(945.34) ✓

41.

4

Elcy End Pipe

$$\frac{0.6}{60}$$

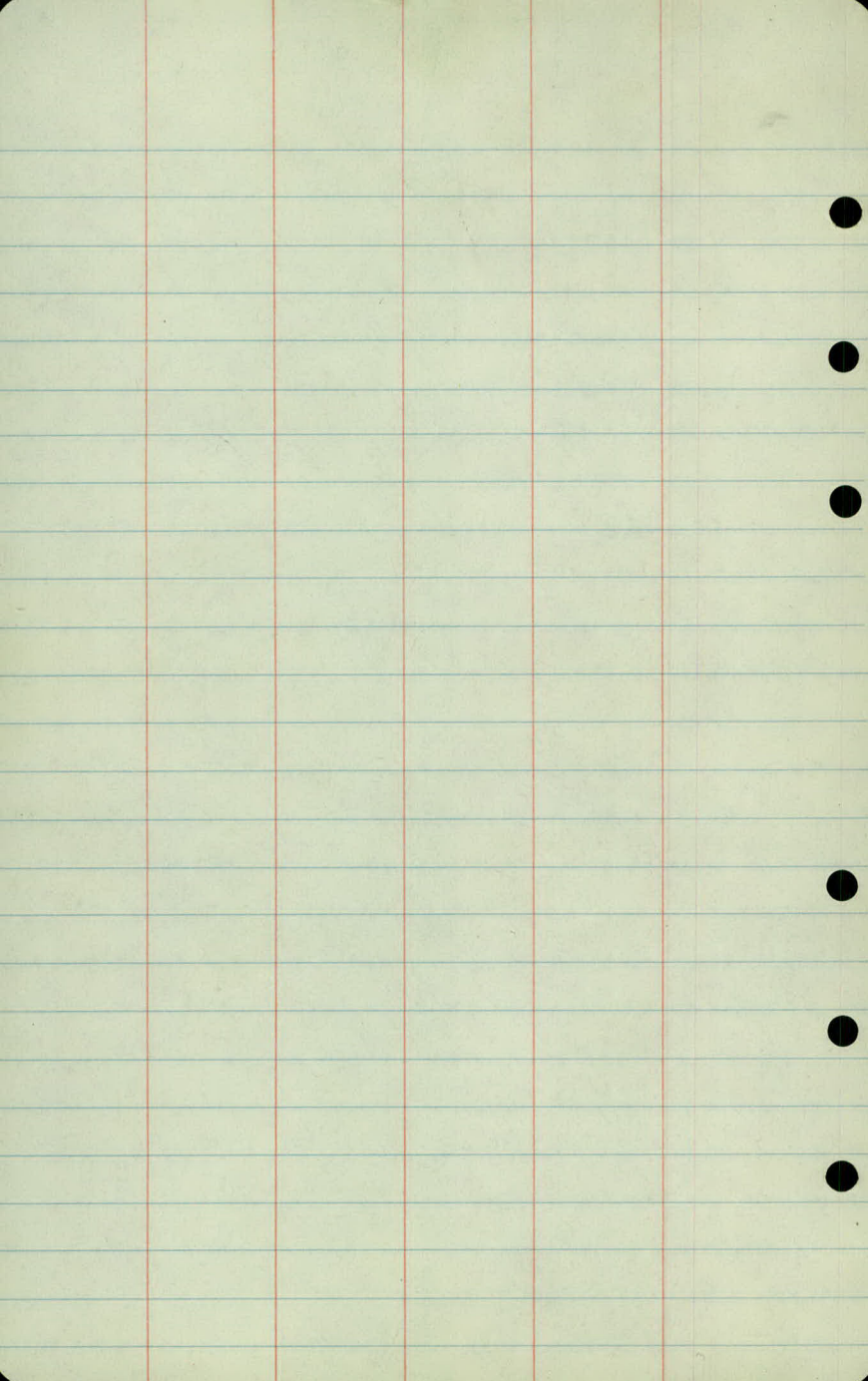
$$\frac{0.8}{46}$$

(16.96)

$$\frac{16}{60} \quad \frac{17}{51}$$

(19.56)

Top Meat Handling Sharp Ave.



X sections

Larpentour Ave

Sta

to 131+96.10

(Hamline Ave

Sta	+	π	-	Elev
BM	4.83	949.81 849.81	7.83	944.98 <u>844.98</u>
130+00				45.56
+42				45.49
+50				45.44
+60				45.40
+67				45.38
131				45.28
+50				45.12

3-2-49
AK MB
GB BC
AM

5

L+

E

R+

Top of Mont. Homeline of Larpentur,

5.2 6.1 6.0 4.2 4.32 4.25 4.38 4.7 6.3 6.3 5.1
48 44 29 20 10 10 25 30 43 50

duplicate

4.32 4.56 4.8 6.0 6.6 6.6 6.2 6.0
10 20 28 37 43 45 50

5.0 6.3 6.3 4.5 4.46 4.37 4.59 5.0 5.8 5.8
48 43 28 19 10 10 29 50

↓

duplicate

4.41 4.63 5.1 5.8
10 30 50

duplicate

4.43 4.64 4.9 6.6 6.6 5.9
10 22 27 42 50

↓

5.5 6.2 6.3 4.6 4.62 4.53 4.72 4.8 5.3 6.6 6.7 6.7
50 46 28 19 10 10 20 23 27 37 44 5.8
50

5.4 6.3 6.4 4.8 4.77 4.80 4.8 6.5 6.7 6.6 5.8
50 45 29 19 10 10 21 28 37 43 50

Sta + π - Elev.

949.81

+65

45.07

L+

L

R+

$$\begin{array}{r} 42.62 \\ 7.19 \\ \hline 35.5 \end{array}$$

$$\begin{array}{r} 48 \\ 23 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 4.82 \\ 10 \\ \hline \end{array}$$

$$4.74$$

$$\begin{array}{r} 427 \\ 10 \\ \hline \end{array}$$

$$\begin{array}{r} 5.0 \\ 20 \\ \hline \end{array}$$

$$\begin{array}{r} 5.0 \\ 29 \\ \hline \end{array}$$

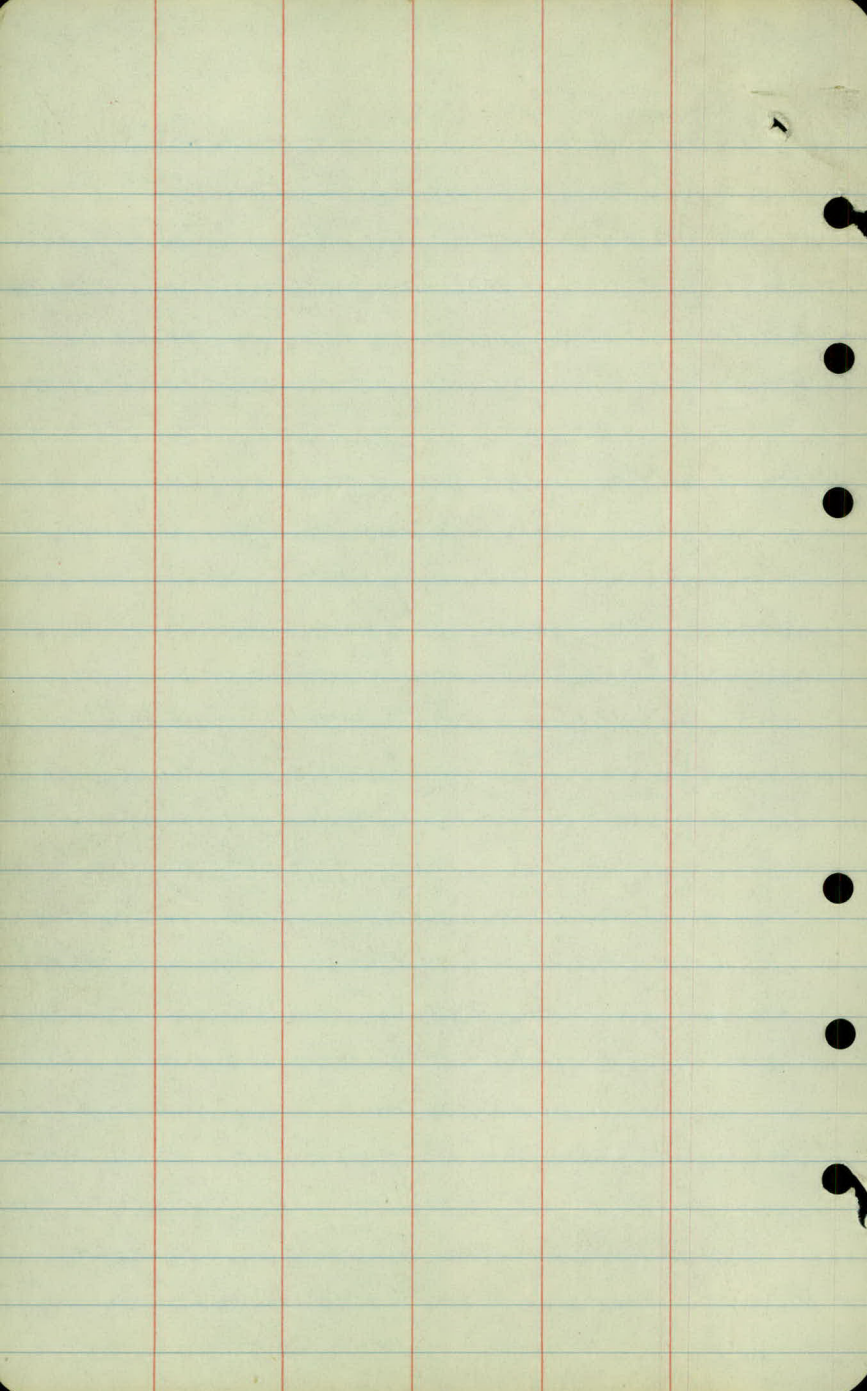
$$\begin{array}{r} 4.3 \\ 38 \\ \hline \end{array}$$

$$\begin{array}{r} 4.2 \\ 45 \\ \hline \end{array}$$

$$\begin{array}{r} 4.8 \\ 50 \\ \hline \end{array}$$

24" culvert

$$\begin{array}{r} 49.81 \\ - 7.19 \\ \hline 42.62 \end{array}$$



10/8/51

AM
L.C.
M.B.

PROFILE - LEVELS
LARPENTAUR - AVE
STA 234+00 TO - RICE - ST

Reid, 10-8-51

Drawn up

10-9-51

Preliminary
Survey

Do not file with reg. notes
until survey is completed
R.B.

S. END
44.9
851.0

STA	+	π	-	ELEV
B.M	13.27	851.57		844.30

233 + 00				49.6
----------	--	--	--	------

234 + 00				50.9
----------	--	--	--	------

235				49.2
-----	--	--	--	------

236				46.0
-----	--	--	--	------

237				45.5
-----	--	--	--	------

238				45.1
-----	--	--	--	------

239				44.6
-----	--	--	--	------

T.P	5.40	854.78	8.19	849.38
-----	------	--------	------	--------

240				44.4
-----	--	--	--	------

241				44.6
-----	--	--	--	------

242				44.9
-----	--	--	--	------

✓

LT

¢

F.L. No-End

CONC. X DRAIN

3/4 20

¢ 45.11

8.0

4.5/PUSH

6.7

2.0/PUSH

48.9

8.4

4.3/PUSH

44.9

11.6

5.1/PUSH

40.9

12.1

4.5/PUSH

41.0

844.37

12.5

18.0/PUSH

27.1

10/8
W.S. 13.2

13.0

24.0/PUSH

20.6

10.4

10.2

20.0/PUSH

24.6

9.9

STA + π - ELEV

854.78

243+00 45.3

244 45.1

245 45.3

246 45.4

247 45.0

248 45.2

T.P 13.67 859.22 9.23 845.55

249 46.2

250 44.6

251 52.8

T.P 13.16 872.10 0.28 858.94

252 65.1

252+70 approx E MARION 67.2

L7

8

9.5

$$\frac{20.0}{\text{PUSH}}$$

25.3

9.7

9.5

$$8.0 / \text{PUSH}$$

37.3

9.4

9.8

$$13.0 / \text{PUSH}$$

32.0

9.6

13.0

$$8.0 / \text{PUSH}$$

38.2

14.6

$$7.0 / \text{PUSH}$$

37.6

6.4

7.0

4.9

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

253+00		872.10		69.8
T.P.	12.62	884.35	0.37	871.73

253+40				82.7
T.P.	10.50	894.23	0.62	883.73

254				88.7
-----	--	--	--	------

255				88.0
-----	--	--	--	------

+58				88.9
-----	--	--	--	------

256	+	WOODBRIDGE		81.9
-----	---	------------	--	------

257				90.7
-----	--	--	--	------

258				84.4
T.P.	5.36	888.73	10.86	883.37

259				79.3
-----	--	--	--	------

+33	+	ALBEMARLE		78.2
-----	---	-----------	--	------

260				83.8
-----	--	--	--	------

LT

¢

RT

2.3

1.7

5.5

6.2

5.3

12.3

3.5

9.8

9.4

10.5

-4.9

$\frac{4.0}{15.6}$ 78.6
 75

STA + π - ELEV

888.73

260+50

81.0

261

68.1

262

64.9

R.A.
263+10 $\neq$ Rice st.

262+61 B.M. $\neq$ RICE

865.6

(864.96)

T.P. 170 872.27 13.14 875.59

B.M.

4.00 873.29

(872.83)

LT

4

RT

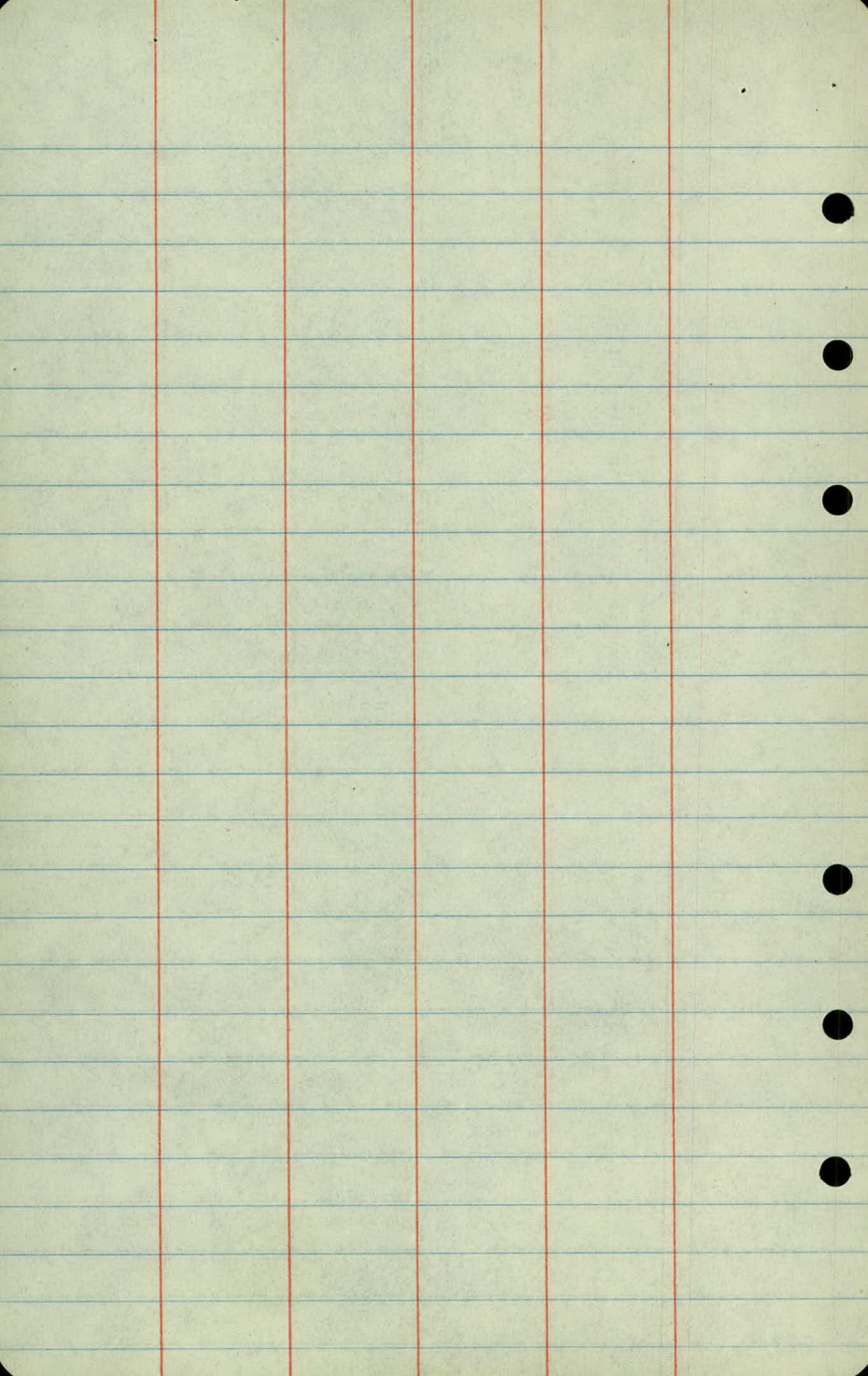
7.7

70.6

23.8

23.1

U.S.G.S #8 RICE + WHEELLOCK



LT

4

RT

Larpenneur Ave

Sta 237+00 to 249+00

Test Borings & Soundings

	Pages	
Soundings	1 to 2	10-15.51
Borings	3	HAW
		AM
		M.B

Using 20# Hammer

Soundings

Sta 237

0' to 4'	2 Blows per Ft
4' to 8'	4 " per Ft
8' to 12'	4 Blows per Ft
12' to 13'	7 " per Ft
13' to 14'	16 " per Ft

Sta 239	0' to 4'	1 1/2 Blows per Ft
	4' to 8'	1 " per Ft
	8' to 12'	3 Blows per Ft
	12' to 13'	6 " " "
	13' to 14'	7 " " "
	14' to 15'	7 "
	15' to 16'	8 " "

Sta 241	0' to 4'	2 Blows per Ft
	4' to 8'	1 " per Ft
	8' to 12'	4' " per Ft
	12' to 13'	7 " per Ft
	13' to 14'	10 " per Ft

Soundings

Sta 243

0' to 4'	2 1/2	Blows per Ft
4 to 8'	2 1/2	" " Ft
8 to 12'	5	" " Ft
12 to 13'	7	" " Ft
13 to 14'	9	" " Ft

Sta 245

0 to 4	1 1/2	Blows per Ft
4 to 6	15	" per Ft
6 to 7	12	" per Ft
7 to 8	15	" per Ft
13 to 16		

Sta 247

0' to 4	1	Blows per Ft
4 to 5	2	" per Ft
5 to 6	2	" " Ft
6 to 7	2	" "
7 to 8	2	" per Ft
8 to 10	6	" per Ft
11 to 12	17	per Ft

Sta 249

0' to 4'

6 Blows per Ft

4 to 6'

7 " per Ft

6 to 7'

10 " " Ft

7 to 8'

18 " per Ft

Borings

83

237+00

0' to 16'

Peat

✓

16 to

Blue Wet Clay

Sta 240+00

0' to 16'

Peat

16 to

Clayey Matl

Sta 243+00

0' to 16'

Peat

16 to

Clayey Matl

Sta 246+00

0' to 12'

Peat

12 to

Sandy Matl

Sta 249

0' to 5'

Peat

5 to 6

Sandy Matl White Lake Sand

Sta

237

Lt 50'

Feet

Blows

Material

0-1

2

1-2

2

2-3

2

3-4

2

4-5

 $2\frac{1}{2}$

5-6

 $2\frac{1}{2}$

6-7

 $2\frac{1}{2}$

7-8

 $2\frac{1}{2}$

8-9

6

9-10

7

10-11

8

11-12

8

12-13

11

13-14

11

✓

Sta

237

Rt 56'

Date 10-17
51Cloudy
Cold

Blows

0-1

4

1-2

4

2-3

4

3-4

4

4-5

6

5-6

6

6-7

8

7-8

9

8-9

9-10

10-11

11-12

✓

Sta

239

Lt 50'

Feet

Blows

Matl

0-1

1 $\frac{1}{2}$

1-2

1 $\frac{1}{2}$

3-4

1 $\frac{1}{2}$

4-5

1 $\frac{1}{2}$

5-6

1

6-7

1

7-8

1

8-9

1

9-10

3

10-11

3

11-12

3

12-13

5

13-14

5

14-15

6

15-16

7

16-17

8

17-18

8

18-19

9

19-20

10

✓

Sta 239

Rt 50'

Feet

Blows

Matl

0-1

2

1-2

2

2-3

2

3-4

2

4-5

3

5-6

2

6-7

4

7-8

5

8-9

7

9-10

7

10-11

8

11-12

9

12-13

10

✓

Sta 241

Lt 50

Feet	Blows
0-1	1
1-2	1
2-3	1
3-4	✓
4-5	1
5-6	1
6-7	1
7-8	1
8-9	4
9-10	3
10-11	6
11-12	7
12-13	10
13-14	11
14-15	
15-16	
16-17	

✓

Sta 241

Rt 50

Feet

Blows

Material

0-1

 $1\frac{1}{2}$

1-2

 $1\frac{1}{2}$

2-3

 $1\frac{1}{2}$

3-4

 $1\frac{1}{2}$

4-5

1

5-6

1

6-7

1

7-8

1

8-9

2

9-10

4

10-11

5

11-12

4

12-13

5

13-14

9

14-15

9

15-16

10

16-17

10

✓

Sta 243

Lt 50'

Feet	Blows	Matl
0-1	1	
1-2	1	
2-3	1	
3-4	1	
4-5	1	
5-6	1	
6-7	1	
7-8	1	
8-9	4	
9-10	5	
10-11	6	
11-12	7	
12-13	7	
13-14	7	
14-15	6	
15-16	6	
16-17	8	
17-18	11	
18-19	30	
19-20		

✓

Sta 243

Rt 50'

Feet	Blows	Matl
0-1	1	
1-2	1	
2-3	1	
3-4	1	
4-5	3	
5-6	3	
6-7	3	
7-8	3	
8-9	6	
9-10	6	
10-11	7	
11-12	7	
12-13	9	
13-14	11	
14-15	11	
15-16	11	

✓

Sta 245

Lt 50

Feet

Blows

Matl

0-1

$\frac{1}{2}$

1-2

$\frac{1}{2}$

2-3

$\frac{1}{2}$

3-4

$\frac{1}{2}$

4-5

8

5-6

17

6-7

24

7-8

8-9

9-10

10-11

11-12

12-13

13-14

14-15

15-16

✓

Sta 245

Rt 50

Feet

Blows

Matl

0-1

 $1\frac{1}{2}$

1-2

 $1\frac{1}{2}$

2-3

 $1\frac{1}{2}$

3-4

 $1\frac{1}{2}$

4-5

8

5-6

10

6-7

13

7-8

8-9

9-10

10-11

11-12

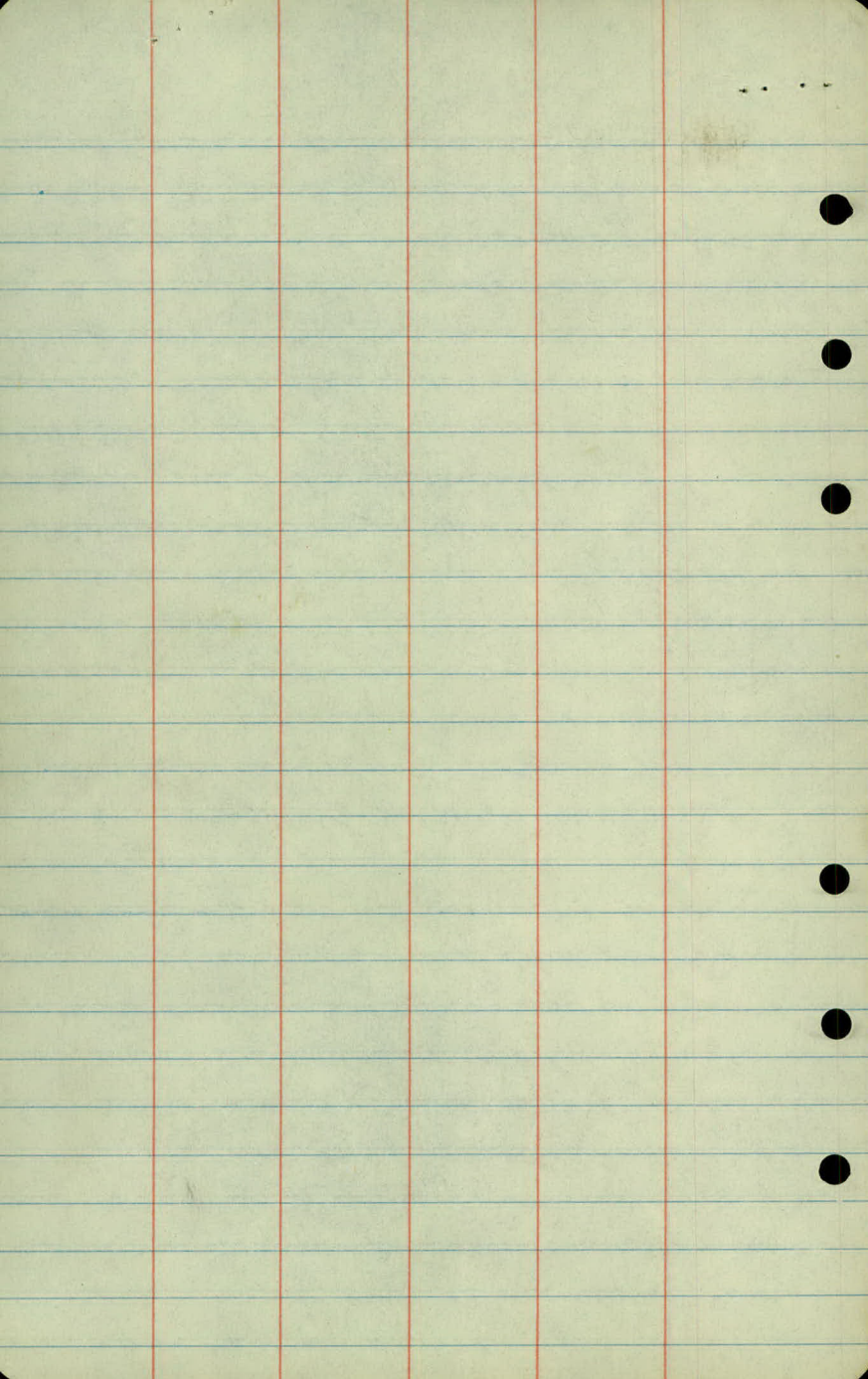
12-12

13-14

14-15

15-16

✓



Plan SURVEY

LARPENTEUR AVE.

RICE St. to McMenemy St.

Alignment - page

Topography - "

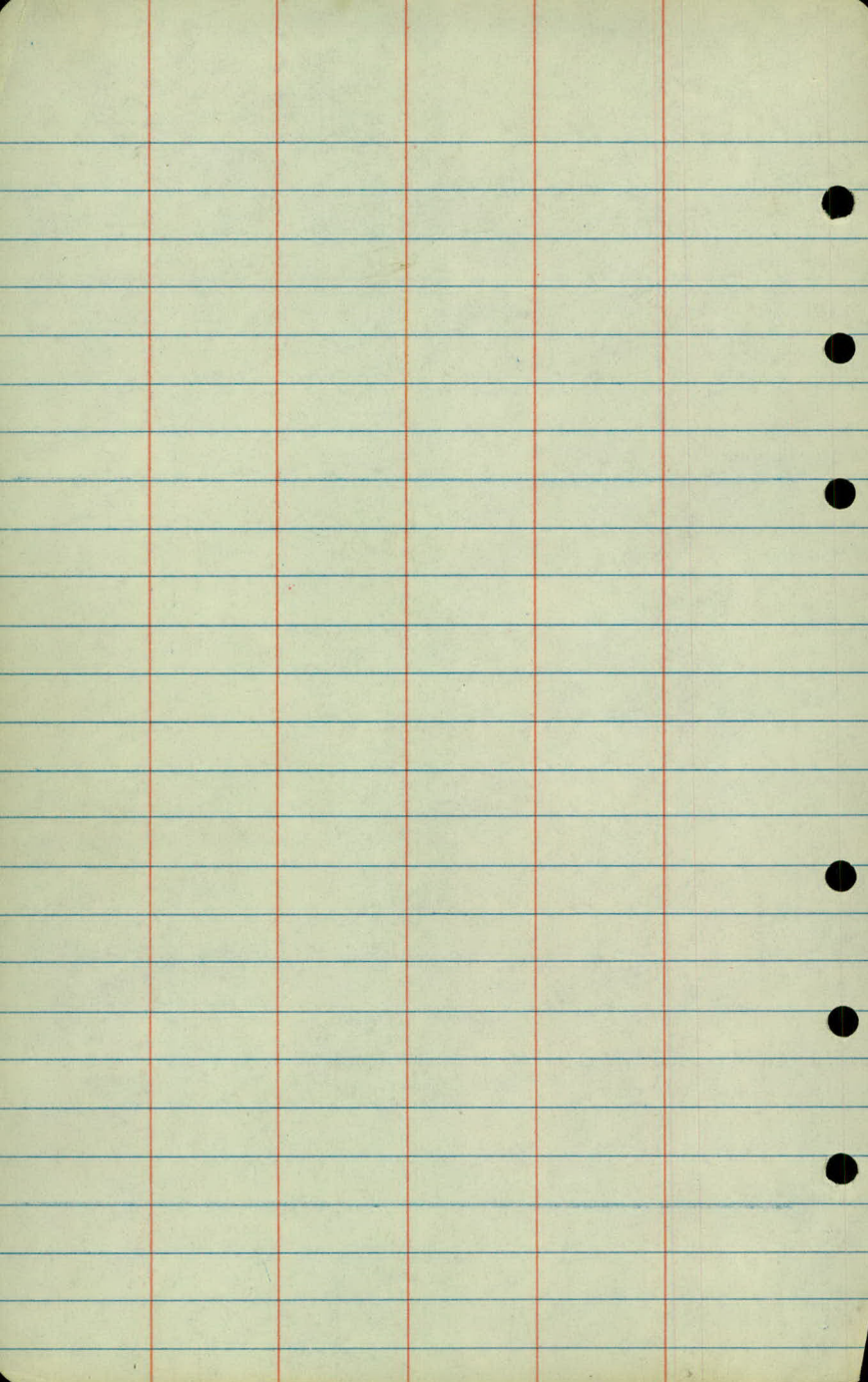
Bench Levels - "

X-Sections - "

Nov. 1949

11/23/49
PM

GB
AM
MB
BC



1

Alignment

11-8-49

54 Pt Alt Art

2109.43 Pot ϕ Beaumont

17+68.85 Pot Traveled ϕ Abel

17+76.9 Pot ϕ Abel

14+44.42 Pot ϕ Gurney

10+18.55 ϕ Sylvan St

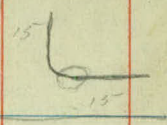
5+56.73 Pot ϕ Track Minn St. Paul & Sault Ste Marie

5+65.65 Pot ϕ Park

0+00 PI Mont. ϕ Rice St

81.0
56.5
2.5

38
18.5
20.5



2

Record

Cor. Found.

82.25

nail

Record

34
16

Cor. Ho.

Record

Record

Meas.

See Station Notes
for Direction of track

Record

Cor. Turn

90.25
52.09

PP

52.71

40.01

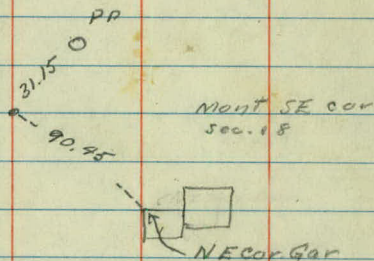
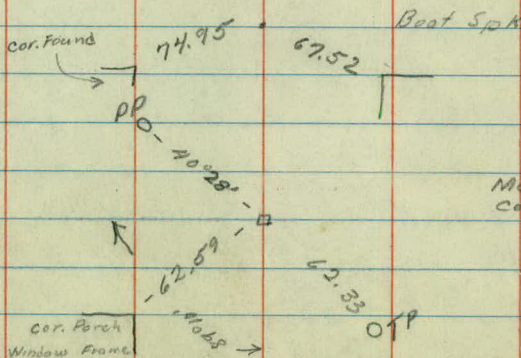
Sta Pt. Δ Lt Δ Rt

50 + 69.⁴⁰ P.O.T. = ϕ McMenemy

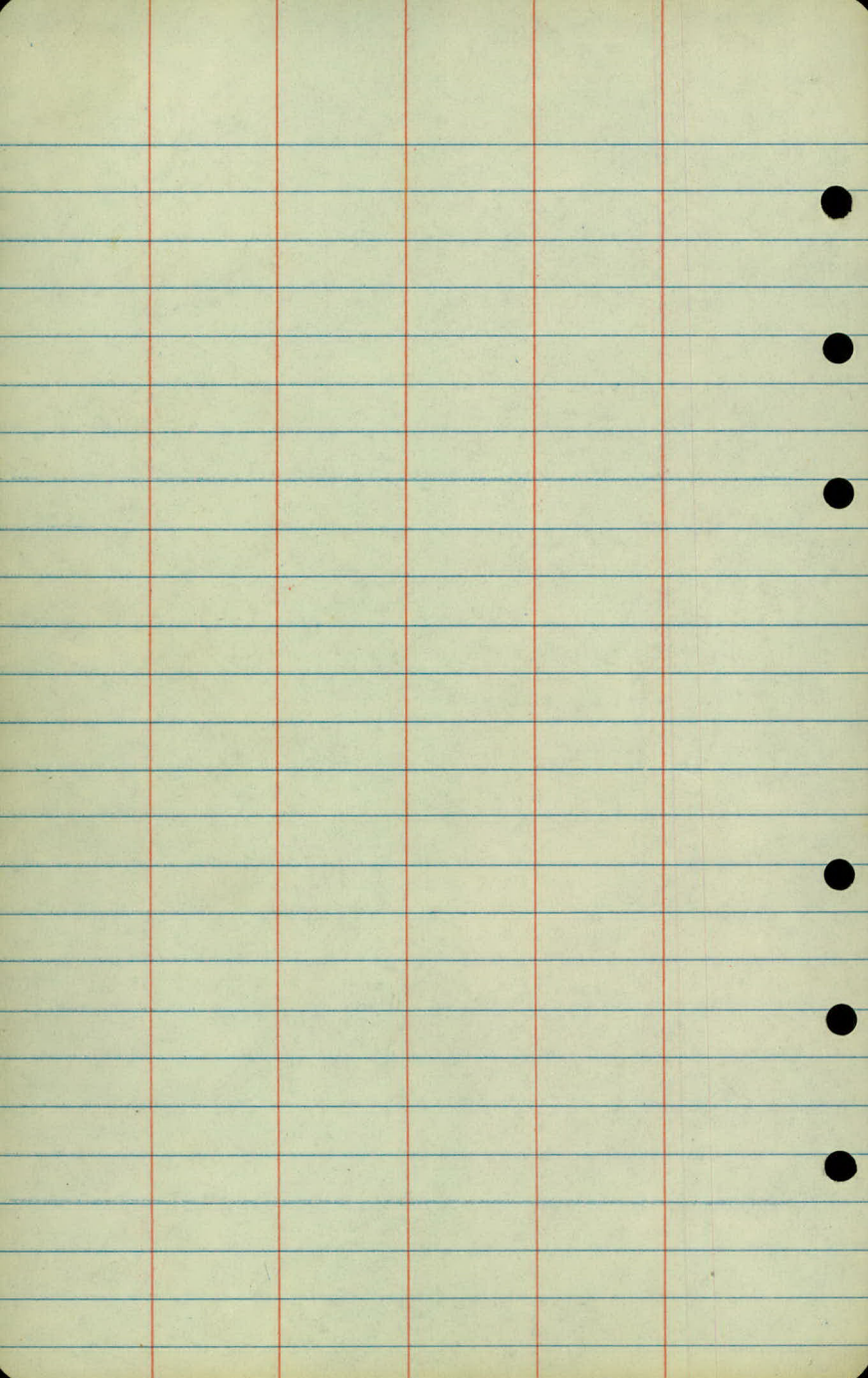
25 + 83.⁴⁸ P.O.T.

24 + 42.¹⁰ P.I. ϕ Jackson St

Meas.

r
Meas

Meas.



11-10-49

4

Topography

Larpenteur Ave

12 8

- +79 3 BE (12") - 415
- +54 20" oak 44
- +54 Group 5" BE - 34
- +54 Twin 6" oak - 33
- +50 3" BE - 33
- +43 30" oak - 48
- +34 Twin Scrub Oak - 39

- +87-PP-18'
- +51 Fences join 38'
- +51 20" oak 2 in Fe - 25
- +33 16' Ent
- +21 2 B Walk 26'
- +34 2 in Fe - 25 § 32
- Fe 29, Fe 33
- +99 4' Walk 25.8'
- +85 NW Cor Ho 55'
- +69 PP 18

- +48 end Bot. Rd. R - 20
- +48 end Top Rd Pap - 30
- +48 2.100 Bush - 32
- +43 Cor Ho - 60'
- +33 15" BE - 48'
- +17 SW Cor Ho 60
- +13 15" BE - 48
- +10 2" shnd - 32

Wall - 80, Bot wall - 22

10.5 10.5 Fe 26, Fe 30

- +82 2" Pine - 37
- +73 Top Rd Pap - 30
- +69 Bot. Rd Pap - 37
- +60 12" x 18 Cm - 19'
- +52 Row 8" Elm - 39'
- +52 Beg Hedge N - 39'
- +48 R Tie to Cmc. Ent.

- +48 R
- +36 PP - 19

3

11 11

- +73 2 Drive
- +73 2 CMC in 12" x 20 - 14'
- +66 Fe Cor 29.2
- +68 W Shutoff 22.8
- +46 2" Pine 52'
- +41 Fe Cor 29.2
- +08 PP - 19'

1

10 10

- +70 2 Ent Drive
- +59 4" BE - 36
- +57 PP - 43'
- +43.5 Cor Bldg - 29.8
- +18 2 13' Gan. Ent - 29.8
- +16 2 Cmc. Ent. Slab 26
- +09 end cmc. S. 33.5

- +70 Group C - 10" Pap - 52
- +58 Group 5 - 8" Pap - 45
- +30 Stump - 36'
- +37 Group 5" BE 46'

Bldg 29.8, Cmc. S. 29.6 10.5 12.0

- +54 Cor Cmc. Slab - 23.7
- +54 Cor Bldg 8 Cor Cmc. Slab - 29.9
- +48.5 G.V. (w/ 6.7. M.H. (w/ 17.)) - 17.
- +38.4 end R - 14.2
- +27.5 M.H. M.H.D. - 29.7
- +25.5 G.V. Top - 7.8
- +23 Beg R - 29.7

- +80 PP - 23'
- +38.4 end R - 16
- +23 Beg R - 29.2

0+00

- 23.3 beg curb Rd - 15'
- 28.4 end curb Rd - 10.

- 23.3 Beg Rd - 16.5
- 28.4 end Rd - 11.5

- 24.7 PP - 31, Hyd 54'

- 23 open B.C.B. 31'

-25.7 edge Bldg Top

ditch

Brick Handwall

+99 36" CM X 62' 35.5"

+96 36" CI - 35.5

+99 36" CM - 26.5

+96 36" CI pipe X 60' - 24.5

G.M. per K.A. 6/24/50

+65 Lt. P. - 20

+69 to +79 - Hedge - 34

+82 - 10" oak - 35



5 strand Barb W

Woods
Pasture

+32 W. Shutoff - 21



+89 15" Ash - 46

+80 X Fe 50. - 29

+78 Row 4" BES - 45



4" WW Fe

+96 Cor Ho - 59.5

+92 Fe Cor - 25

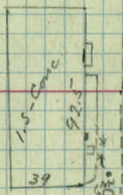
+96 " " - 27

+56 W. Shutoff 13.5

#69 Base ent 24.8

+72.5 2 3/4" step - 26

+77 2 coal State 28.4



Hwy Sec. Tie

Rice St

5' curb Radius

12 13 9 Shrub 35
 +72 Hedge 5 - 28
 +61 ctr. 10' Drive
 +59 & 15" X 20' Cm 15
 +51" Pine - 36
 +17 Pop - 34
 +02 PP - 18

11 12 11
 +69 Iron " - 30.7 (w. M. Mark)
 +68 G Valve 16.7
 +68 G Valve 7.7
 +49^{10'} Pop - 42
 +39 G Valve 14.4
 +34 Stamp - 40
 +31 Stamp - 33

+75 20" Pop - 35

+43 12" Pop - 36

10 13 9
 +97 & 15' cinder Road
 +69 Fe Cor 30
 +67 20" Elm - 32
 +48 Hand - 20
 +41 15" ash - 32
 +10 15" Ash - 32
 9 Fe 30

+95 & 10' Trail

+67 PP - 18

+55 15" Elm 22
 +38 12" BW - 32
 +22 - 30" Elm 32

12 9

+39 PP - 17

+11 cont. SW 27 (3' conc)
 +11 & 15" X 10' Cm
 +03 - 8" B.W. - 32

8 Fe 30

12 9

+59" E. Green 44
 +37 Cedar Shrub 45
 +47 BW - 32
 +37 - Shrub 31
 +23 - 8" Elm - 32
 +21 Fecor & Hedge 11 - 30

+11 PP - 16 (3M Pale)

7 12 8

+60 RR Xing Sign - 17

+32 RR Xing Sign - 12

+13 TP - 36

6 12 8



+81 M A 4-44
+86 cor Ho 70

4" Upright Main
Marker.

@ 10+49-10'
elev exp. NM = 53.35

4' Netting Fe

+86 X Fe 30
+ 71 2 1/2" E 1 m - 36

+22 cor Ho - 45.25



+68 6" Cedar 42

+76 2 1/2" Gate - 30'

+84 2 1/2" E 1 m 32

+95 cor Ho - 46.5

+14 WM - 7.7 (Top WM) 5.16

+83 8" Elm - 36

+25 SW - 50 (Cor)

+21 Rose B - 41

+12 4" Elm - 36

+11 Rose B - 41

17

5 17

+73 4" apple - 36

+28 6 1/2" apple - 52

+53 8" Elm - 35

+42 4" apple - 43

+29 10" Elm - 34

+20 SW cor Gar - 55

+19 PP - 79

+07 Valley (approx)

+25 PP - 24

16

7 15

+88 15" BE - 39

+68 Gar. Drive

+68 12" X 20 CM - 17

+46 4" pine - 32

+19 SW cor Ho - 41

+16 12" 16' Oak - 17

+16 4" Walk - 26

+10 Shrub - 33

+02 3" pine - 32

9 14

15

+76 Hedge N - 33

+75 Lot Iron 29.7

+63 end Rad - 9

+53 Beg Rad - 23

+35 end Rad - 25

+20 Beg Rad - 10

+04 2 Gar. Drive

+04 12" X 20 CM - 16

+74 PP - 22

+10 WSAH - 22

+04 Wood Step 21.5, 35
8 risers

14

+61 SW cor Ho - 54

+39 Powl" pop - 35

+35 X Fe - 30

+30 X Hedge N - 34

+28 W. Shut-off - 23

+11 - C Elm - 34

+16 Sta. Ho. Tr. - 54 (cor.)

+03 shrub - 34

+90 NW cor Ho - 63

+71 conc Gutter 15'

+70 cor 4' conc Ret. W - 30

+53 PP - 20

+50 4' Ent. SW 32

13

Fe - 30

14 9

+48 12" X 50 CM - 32

+38 PP - 46

+95 PP - 45

+89 2' WW Fe - 31

+44 Beg Garden

+38 PP - 18

+31 Shrub 29 - 36 } Evergreen

+24 Shrub - 32

+09 Shrub - 36

+04 3' Ent. SW - 16

12 WM - 8.3

Elev Top WM = 59.9

- + 90 end R-5
- + 91 TP-19
- + 69 G Valve 19.4 9.5
- + 67 G Valve - 10.5
- + 74 Beg R - 28
- + 54 end Rad 29
- + 34 Beg Rad - 5

Depth to 2" Valve
 + 67 - 10.5 - 6.45
 + 69 - 9.5 - 5.2

+ 94 10" Elm - 36

+ 97 cor Ho - 56

+ 98 2' SW - 50-52

xxxxxx

+ 52 end 2' SW - 36-38

+ 19 beg 2' SW - 37-39

+ 23 Shrub - 32

5x5 Entry

+ 89 4" Elm - 36

cor. iron

+ 72 Loc. WM - 73

CE for Top WM = 77.4

Gar.

+ 75 4' riser Steps

+ 75 4' SW - 30

+ 98 Fe Cor 29

3' white Picket Fe.

8' cement Block Ret. wall

+ 30 cor. Ho 63'

+ 22 15' x 14 Cm

+ 02 Ent

+ 44 alley

3' Wire Net. Fe

2' woven wire Fe

+ 51 X Fen N - 30

+ 55 cor Gar - 50

+ 81 4' 10' Drive

+ 68 Fe cor - 30

+ 69 30" pop - 34

+ 93 4" Ch Elm - 33

6 15

+53 Top Ret. W-N-33.
 +51 15" BE-37.
 +50 Bot. Ret. W-N-33.
 +50 cor. Rock Garden 33.
 +50 " " " -43.
 +42 " " " -41.
 +39 cor. Rock Garden-25.

+ 79 TP-30.

23

5 14

+91 2-2" N. Pine 70.
 +91 Stamp -37.
 +77 24" BE-49.
 +75 stamp -38.

+64 TP-30.

+34 6" BE-40.
 +36 24" BE-38.
 +15 Group 4-4" BE-37.

22

3 19

+95 -24" BE-35.
 +60 20" BE-35.
 +46 20" BE-36.

21

2 18

+93 TP-28.

20

2 18

+42 TP-27.

19

3 17

+56 4⁸" comeslab-46.
 +50 8" Ret. W-40.4.
 +43 end 9' cut SW-30.
 +25 SW cor Ho-60.

+03 TP-25.

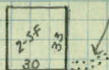
18

(Located S.F.P.W.M.)
 @ 18+00 - 7.1
 Elev top = 80.9

winding gravel walk

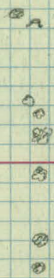
8

+64 cor Ho -42



Rock Garden

xx



o

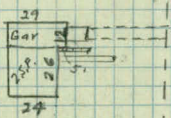
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o

(Elev. Top WM = 77.3
+00 Found WM = 6')

+50 W Main - 6.5
Elev Top = 79.3



25 Top Rip Rap - 26, Fe. 26

6 15

+ 68 end R - 6

+ 65 PP - 34

+ 57 Beg. R - 21

+ 35 end R - 36

+ 16 Beg. R - 1

+ 17 G. Valve - 94

+ 15 T.P. - 19

+ 09 20" BE - 45

+ 09 Bush - 31

+ 80 Bush - 35

+ 80 end R - 17

+ 61 Beg. R - 38

+ 31 end rad - 43

+ 21 G. Valve - 36

+ 17 T.P. - 30

+ 12 G. Valve - 22

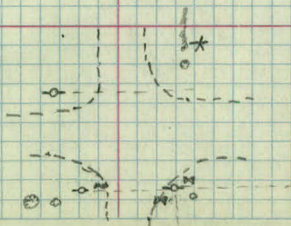
+ 12 5" pipe w. M. Marker - 30

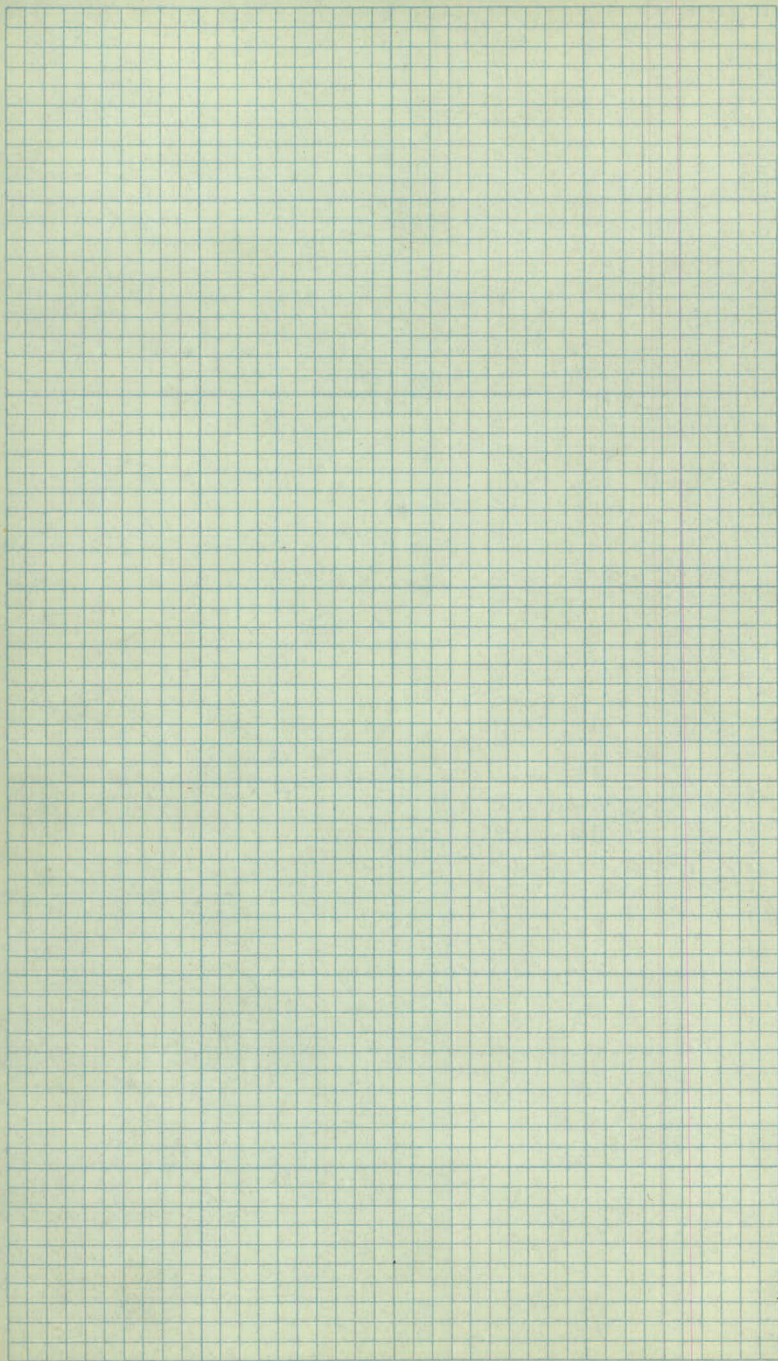
+ 01 Beg. R - 15

- +95-Bot Rip-Rap-29
- +76 6" Apple - 40
- +73 Beg P. Fe - 26

Jackson

- +88-Beg Hedge 34
- +92-8" pine - 43





Additional Topography
Larpenteur Ave

0+00

0+00

- 24" W Shutoff - 112

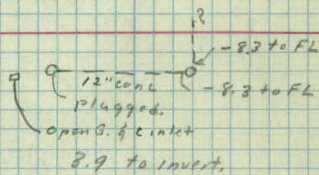
plugged Storm Sewer

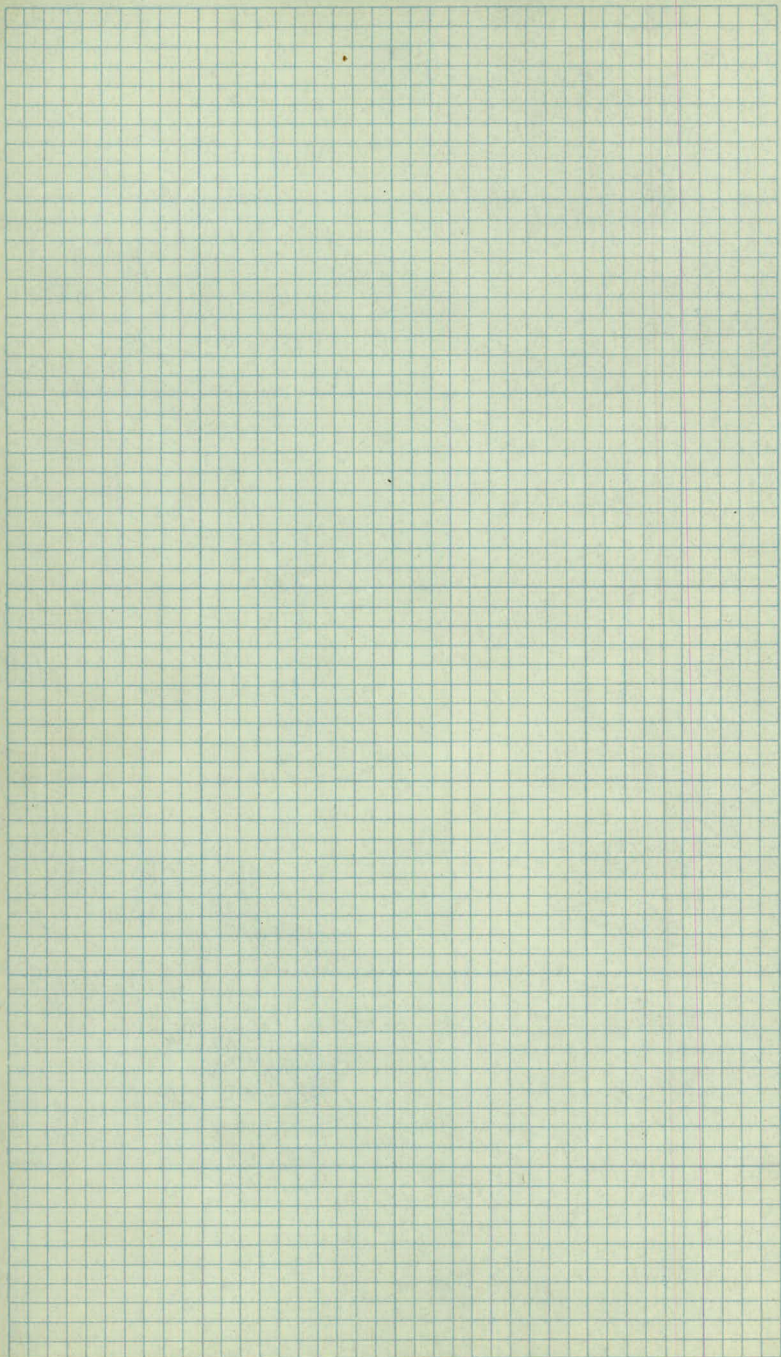
- 20" MH - 58' ←

- 18" G Valve 54'

- 20" MH - 130

- 21.5" CB - 37





Topography

Jackson to McWenemy

11-21-49

G.B.

A.M.

M.B.

B.C.

Fe 31

11.8

+45 6 10' Dist Ent

30

Fe -32

14 6

29

Fe 32

15 6

28

Fe 25

15

+72 6 Gate (wire) -35

+51 Fe cor -35

27

12 10

+86 4" BE-26

+19 end garden -26

26

9 10

+68 6 Gar ent

+60 end p. Fe -26

+39 6" E. Green -41

+28 6" ent SW -26

+17 4" Sp. 40'

+12 cor Ho -62'

+05 cor H. Wall -87'

+70 10" BE-25

+55 6 Gar Ent

+47 Hedge Se -31' -75'

+43 -15" pap -35

+35 end Hedge -33

+18 10" Ash -40

+02 cor Ho -51

+02 Ash (12") -40

25

Fe - Top H. Wall -26

7

14

Hedge -33

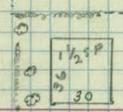
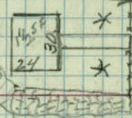
6 strand W. Fe
Gate Field ent

Garden
4' Hedge

2' w. Picket Fe

+80 con Garden - 26

+76 - Hedge N 26-100'



6.12

+96 12" BO-69

+76 15" BO-66

+68 Cor Ho-99'

+78 2 10' cinder Ent

+63 2 10' cinder Ent

+54 end Gard - 30'

+10 Beg Garden - 30'

36

6.7

+74 40" pop - 48'

+26 8' Gravel ent.

35

8.12

+52 Base Dwell - 109

+78 1" Ev. Green - 32

+60 1" Ev. Green - 32

+55 - Fe cor 31

~~+53~~

+03 8" Pop - 43'

34

Fe 31'

4.13

+26" pop - 55'

33

Fe 31'

5.13

+54 2 11' Drive

+24 end Swamp 54-150

+16 Swamp 25-150

32

Fe 31

9.12

edge Swamp - 22-150

+08 Beg Swamp 19-150

31

11.8



To Ho on wheelock pky

Garden

Pasture

Small Brush

Base, Dwell.



6 strand Barb W. F.

Pasture.

Grass

→ To Ho on Wheelock

Swamp Pot Hole

Grass

H3

3 14

+60 and Row seedling Tr. -50

H2

7 11

Bog

+22 6" Pop -43
 +17 Group 6 -8" pop -38
 +11 6" pop -39

41 Bog Row seedling Tr -50

7 11

+12 R. Tieto Ent
 +06 ♀ ent.

+06 cor Base Dwell -99

40

4 15

+33 ♀ ent.
 +23 cor Base Dwell -99

+12 ♀ ent.
 +04 R. Tieto ent

39 +93 ♀ ent. Dcm.

8 16

+38 cor Ho -99

38

6 13

+69 Twin 12" pop -39
 +56 PP -29

+22 ♀ ent Gravel

37

6 12

Small 1"
Seedling Trees



49

18 3

32 - - - - +83 X Drain 15" X 40' CM - - - 8
+29 PP-22'

48

16 4

+93 28' cinder Drive

+16 - PP-23

47

14 6

46

7 15

+42 2 ent

+72 PP-30

45

5-26

+95 end Rad-26

+64 cor Ho 62

+47 - P Ton R - 60
+26 Beg Rad - 100'

+35 PP-22

44

3'

+42 cor Gar-70
+76 cor Ho-67'

+93 end Rad-78

+30 2 ent.
+22 X Fe N-24'

+80 Pton Rad - 48
+30 26 Beg Rad - 16'

43

3 14

Lowland

15' x 20' 2"

0

0

0

0

15' x 20' 2"

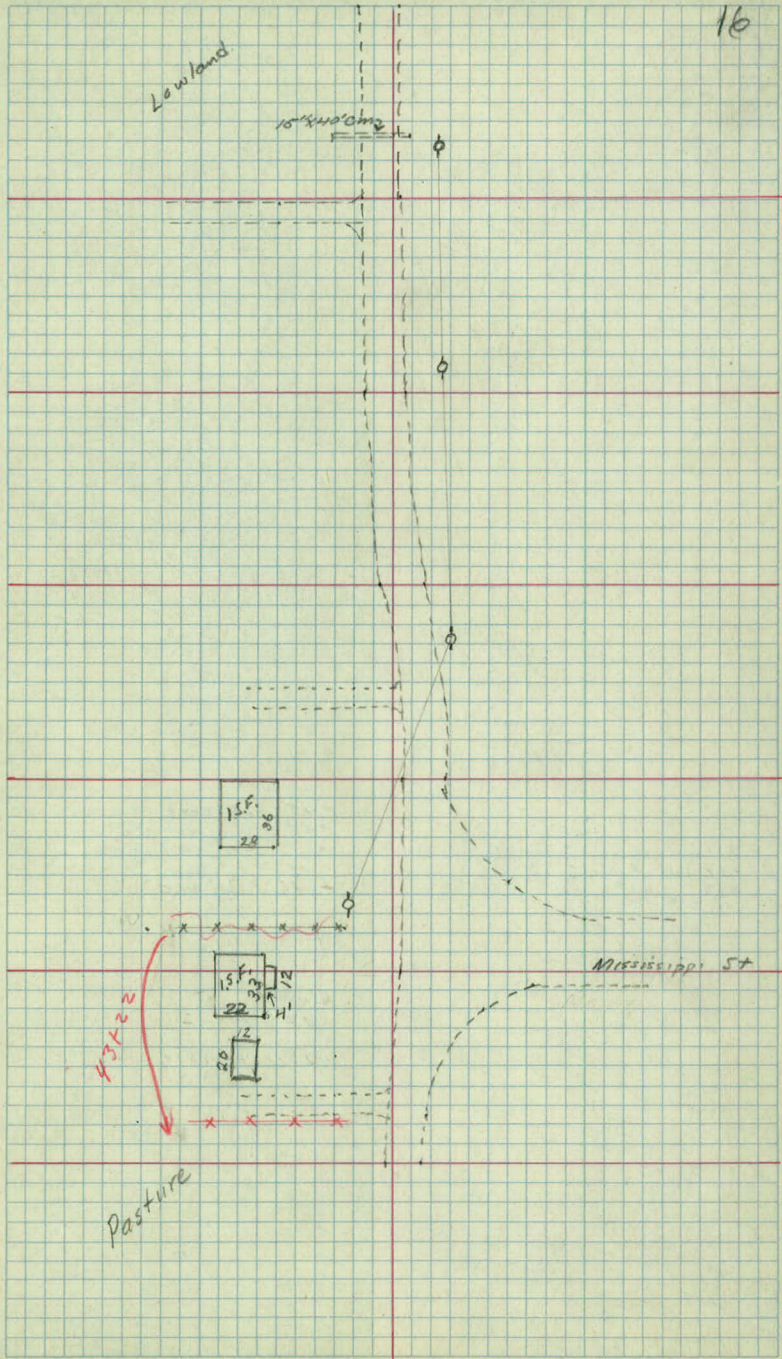
15' x 20' 2"

20'

Mississippi St

43' x 22'

Pasture



- +18.5 edge B/K Top
- +58 end R - 57
- +34 p. on Rad - 30'

+ 03 - Beg Rad - 20'

50

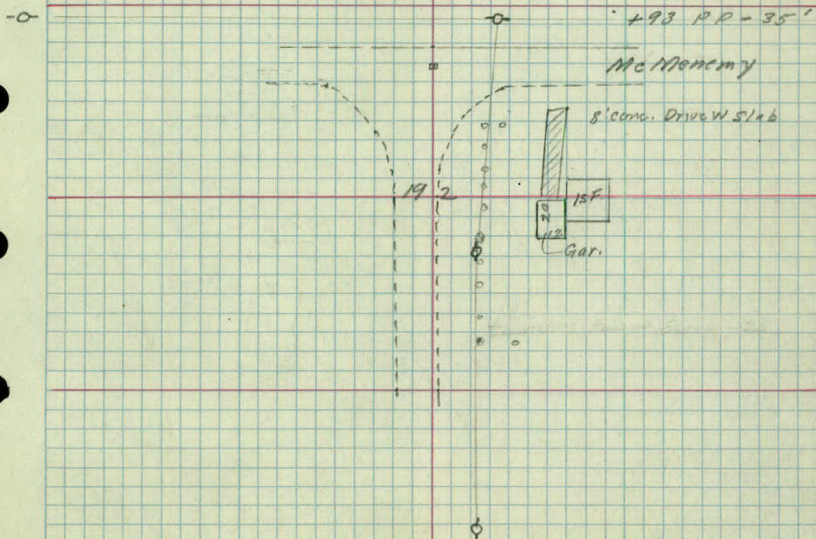
19 2

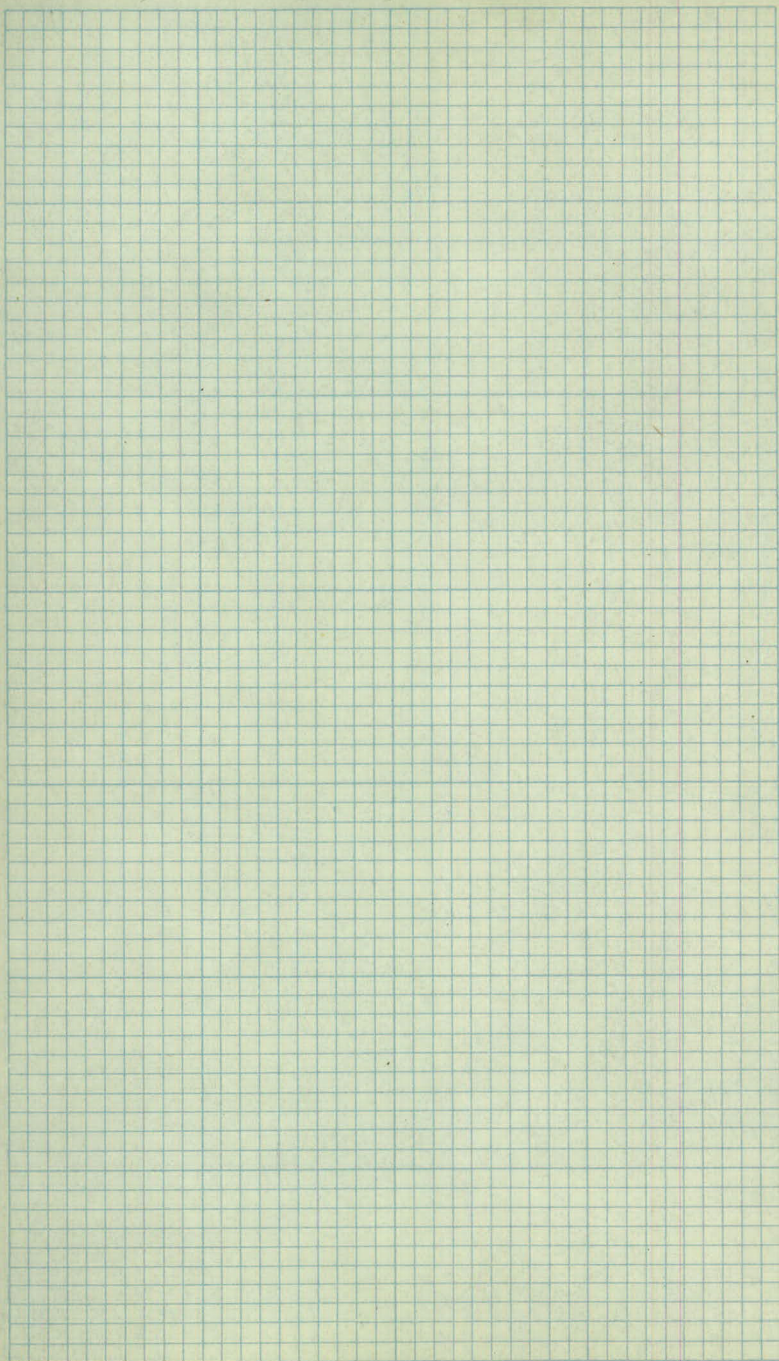
- +45 end conc slab 60-68
- +57 end Rad - 38
- +39 cor. H/dge - 23
- + 42 Pt. on R - 16
- + 16 - Beg Rad - 3

- +79 Gar - 55
- +73 PR - 22

- +26 cor. of row of bushes - 25

+49





Stadia Notes

Object.	Az	Stadia
---------	----	--------

At Sta 6

B.M. $\frac{1}{2}$ Tracks. Top Spk.

To	$5\frac{1}{4}$ cor. Sec 18	$90^{\circ}28'$	
----	----------------------------	-----------------	--

$\frac{1}{2}$ track	pt at switch	$4^{\circ}40'$	-
---------------------	--------------	----------------	---

"		$42^{\circ}30'$	"
---	--	-----------------	---

"		$131^{\circ}00'$	"
---	--	------------------	---

"		$148^{\circ}30'$	"
---	--	------------------	---

$\frac{1}{2}$ ditch		$355^{\circ}00'$	"
---------------------	--	------------------	---

W. end	24" conc. RR. culv.	$357^{\circ}40'$	"
--------	---------------------	------------------	---

E. end	" " " "	$11^{\circ}00'$	"
--------	---------	-----------------	---

$\frac{1}{2}$ Ditch		$355^{\circ}40'$	"
---------------------	--	------------------	---

$\frac{1}{2}$ Ditch		$155^{\circ}40'$	"
---------------------	--	------------------	---

E. end	65" conc RR culv.	$138^{\circ}25'$	"
--------	-------------------	------------------	---

W.	" " " " "	$150^{\circ}20'$	"
----	-----------	------------------	---

$\frac{1}{2}$ Ditch		$125^{\circ}20'$	"
---------------------	--	------------------	---

4pt $\frac{1}{2}$ Ditch		$127^{\circ}40'$	"
-------------------------	--	------------------	---

4pt $\frac{1}{2}$ Ditch		$114^{\circ}00'$	"
-------------------------	--	------------------	---

" " " "		$118^{\circ}00'$	-120
---------	--	------------------	------

19
20

71.5
24

DIST. VERT. ANGLE ROD EQUIV. ROD DIFF. ELEV.

HI = 852.91

7.14

845.77

195'

8.45

844.46

66'

7.9

845.01

- 99'

7.6

845.31

- 226'

7.7

845.21

210'

- 196'

- 1°39'

- 5.6

13.0

- 18.6

834.3

- 210'

12.3

840.61

- 114'

- 135'

- 2°00'

- 4.7

13.0

- 17.7

835.2

- 150'

- 2°00'

- 5.2

13.15

- 18.35

834.5

- 134'

- 2°00'

- 4.7

15.3

- 20.00

832.9

- 174'

- 4°00'

- 12.1

9.00

- 21.1

831.8

- 195'

- 4°00'

- 13.6

7.2

- 20.8

832.1

- 250'

- 2°00'

- 8.7

12.5

- 21.2

831.7

- 215'

- 2°00'

- 7.5

13.1

- 20.6

832.3

OBJECT

AZ.

STADIA

BENCH LEVELS

RICE & WHELOCK to JACKSON & LARPENTEUR

McMENEMY & A-2 to JACKSON & LARPENTEUR

STA	+	π	-	ELEV.
B.M.	2.68	875.51		872.83
	2.73	874.65	3.59	871.92
B. M	0.88	865.96	9.57	865.08
	0.71	853.27	13.40	852.56
B. M			7.50	845.77
	13.05	866.06	0.26	853.01
	11.59	877.56	0.09	865.97
B. M.			1.61	875.95
	12.43	889.83	0.16	877.46
	10.06	890.23	9.66	880.17
B.M			5.01	885.22
				885.21
B.M.	5.70	918.20		912.50
	5.97	914.37	9.80	908.40
	7.45	917.44	4.38	909.99
	0.21	908.86	8.79	908.65
	1.87	897.18	13.55	895.31
B.M			1.81	895.37
	1.44	884.96	13.66	883.52
	1.35	872.90	13.41	871.55
	0.62	861.00	12.52	860.38
B.M			3.11	857.89
	5.22	861.44	4.78	856.22
	3.98	861.69	3.73	857.71
B.M.			6.87	854.82
	12.30	869.99	4.00	857.69

U.S.G.S #8 N.E. COR RICE ST + WHEELLOCK

Top of BRASS PLUG @ RICE ST. + LARPELLEUR

Top of BOAT SPIKE @ 500-LINE TRACK + LARPELLEUR

Top of DOOR-SILL-HOUSE #16 E-LARPELLEUR

Top N.E. COR. BOTTOM STEP # 1701 JACKSON ST

Top NW COR. Bottom Step of Church (center. Ent.)
Co. Rd. #42 @
McMenemy

Spk in PP 20' So of 1741 McMenemy

NE COR, top Lower Step @ 1675 McMenemy

West cor door Sill 215 E. Larpenteur

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

		869.79		
--	--	--------	--	--

12.39		882.18	0.20	869.79
-------	--	--------	------	--------

11.13		893.28	0.03	882.15
-------	--	--------	------	--------

3.08		893.78	2.58	890.70
------	--	--------	------	--------

B.M.			8.56	885.22	885.21
------	--	--	------	--------	--------

11/15/49

X-Sections

Larpenteur Ave.

Sta	+	π	-	Elev
BM	3.00	875.83		872.83

	0.61	872.37	4.07	871.76
--	------	--------	------	--------

B.M	4.69	869.77	7.29	865.08
-----	------	--------	------	--------

0-18		GATE VALVE		
------	--	------------	--	--

0-20		2 MAN-HOLE		
------	--	------------	--	--

0-22		C. B		
------	--	------	--	--

0-23.5		CURB Top + Bottom		64.5
--------	--	-------------------	--	------

0-25		GATE VALVE		
------	--	------------	--	--

0-28		EDGE BLACK-Top		64.7
------	--	----------------	--	------

0-82				64.2
------	--	--	--	------

0-96				65.8
------	--	--	--	------

0-117				65.1
-------	--	--	--	------

0-140				68.4
-------	--	--	--	------

T. P.	6.64	871.72	4.69	865.08
-------	------	--------	------	--------

Lt

L

Rt

U.S.G.S #8 NE COR RICE + WHEELLOCK

Top BRASS PLUG & RICE-ST + LARPEN TEUR

$$\begin{array}{r} 65.92 \\ \hline 3.85 \end{array}$$

55

Top

3.9

58

55.3

4.5

37

3.7

61.4

✓

F.L. 12"

8.4 CONC

PLUGGED

130

130

59.3

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

61.4

6.91	7.38	5.88	6.4	5.1	5.58	5.25	4.6	4.35	4.3	4.28	3.1
98	100	50	50	15	15		16	16	50	50	100
2.58/100											

Top Bottom

7.6 8.0

112 112

5.13

5.6

4.0

4.7

1.4

Top BRASS PLUG 0 too

Sta	+	π	-	Elev
		871.72		
0 + 00				65.1
+ 23		Bot. Curb		64.5
+ 23		Top curb		64.5
+ 25.5				
+ 27.5		Storm Swwr		
+ 38.4		and Rad.		65.0
+ 38.4				
+ 48.5		G. Valve Lt & WWMH L		
+ 58				64.8
+ 84				64.3

Lt

E

Rt

11.15 9.00 7.83 6.64 5.52 4.3 3.40
200 100 50 50 100 145

8.9 7.9 7.2 6.5 5.6
75 30 33 75

8.3 7.4 7.2 6.0 5.1
75 30 33 75

12.9 FL

7.5 top

7
7.5 top
25

FL SW 12" conc 15.15

FL N-15" conc 13.20

6.6 6.9 7.0 6.6 6.7 6.8 6.5 4.4 4.3 00
75 49 27 14.3 15.9 25 43 60 77

Top curb

Bott. curb

6.9 6.3
14.3 15.9

(Gate Valve)

WM Top

9.5 7.05

(MH (WW))

6.93 Top

9.73 To Breather

9.9 Top Valve

12.9 Bott MH

Bldg Conc Slab

6.37 6.57 6.7 7.3 7.1 6.9 7.1 7.6 5.4 3.0 -2.3 +5.0
29.5 23 19 14 9 11 21 38 43 64 79

conc

6.6 6.6 7.8 7.7 7.4 8.0 8.6 5.2 5.0 4.0 1.9 5.5
30 24 14 10 11 19 27 37 42 67

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

		871.72		
--	--	--------	--	--

1+00				63.9
------	--	--	--	------

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

+34				62.9
-----	--	--	--	------

TP	3.56	865.42	9.86	861.86
----	------	--------	------	--------

+ 72		Edist Drive Lt.		61.8
------	--	-----------------	--	------

+ 83				61.6
------	--	--	--	------

2				61.1
---	--	--	--	------

+ 39				60.1
------	--	--	--	------

+44				60.0
-----	--	--	--	------

+52				
-----	--	--	--	--

Lt

E

Rt

Bldg

conc Slab

↓
6.6

30

↓
6.6

24

8.3

14

8.1

9

7.8

8.3

9

8.9

13

9.0

19

6.6

28

5.5

37

5.2

60

3.7

68

3.0

75

Ban Ent slab

→ 6.73

30

7.5

30

8.3

20

9.4

14

9.0

9

8.8

9.5

11

9.9

17

7.5

25

7.2

33

9.4

57

7.0

75

5.5

2.1

75

2.7

56

8.0

27

4.3

12

5.9

9

3.6

3.6

10

4.4

17

2.6

20

2.4

24

2.3

37

5.3

50

2.0

100

3.8

75

2

2.9

75

2.9

48

2.3

22

4.7

13

4.1

8

3.8

4.6

13

4.6

16

3.6

20

2.6

40

2.9

58

1.5

75

4.2

75

3.7

37

4.1

18

4.9

14

4.8

10

4.3

4.7

10

5.3

16

4.5

18

4.0

34

4.1

55

2.7

75

5.8

75

5.5

53

5.7

26

5.2

21

5.1

17

5.9

14

5.6

9

5.3

5.6

10

6.1

15

5.5

17

5.8

24

5.1

28

5.2

53

5.0

75

5.8

75

5.5

53

5.7

26

5.2

21

5.1

17

5.9

14

5.6

9

5.4

5.7

10

6.1

15

5.6

18

5.8

22

5.4

30

5.3

46

3.1

50

3.1

75

62.32

40.3.1

60

Sta	+	π	-	Elev
		865.42		
+77				59.1
+ 80				59.1
3				58.4
+37				57.4
+54				57.0
+69				56.6
+75				56.3
4				55.4
+20				

L+

Φ

R+

✓
 6.8 6.8 7.2 7.8 6.9 6.4 7.0 6.7 6.3 6.5 7.2 6.4 5.9 3.7 2.0 →
 75 47 28 23 20 17 14 10 10 15 17 42 52

✓
 6.8 6.8 7.2 7.8 6.9 6.4 7.0 6.7 6.3 6.9 7.6 6.7 6.4 6.5 7.0
 75 47 28 23 20 17 14 10 12 15 17 44 68 75

✓
 6.5 7.1 7.0 7.6 7.2 7.3 7.0 7.3 7.7 7.3 7.8 7.3 7.6
 75 45 27 23 17 11 10 15 17 20 23 40 75

✓
 5.8 6.6 7.4 8.6 7.9 8.0 8.2 8.7 8.0 9.0 9.6 9.7 10.0
 75 48 23 19 14 8 15 17 30 46 69 75

✓
 5.2 6.1 6.6 7.5 8.9 8.4 8.4 8.7 9.3 8.8 8.8 10.7 10.9 11.6
 75 48 33 23 19 17 9 16 19 27 39 56 75

✓
 4.0 4.8 7.8 9.1 8.9 8.8 9.2 9.7 9.0 9.2 11.1 11.6 11.6
 75 34 24 20 16 9 15 19 27 38 53 75

✓
 3.9 5.3 3.4 4.0 9.7 9.3 9.2 9.1 DUPLICATE + 69
 75 47 43 30 19 17 8

✓
 2.8 2.2 2.8 3.8 10.7 10.4 10.0 10.2 10.7 10.2 10.7 12.3 12.3
 97 87 31 31 18 14 10 15 17 31 48 75

63.12
 H.O 2.3
 60

Sta	+	π	-	Elev
		865.42		
4+50				53.7
5				51.4
T.P.	2.04	854.28	13.18	852.24
+35				50.0
+51				49.5
+63				49.0
B.M	4.31	850.10	8.49	845.79 (845.77)
+74				48.5
+88				48.0
+90				48.0

Lt

C

Rt

2.6 2.7 4.5 12.6 12.2 11.7 11.9 12.4 11.8 12.0 10.9 11.2 15.
75 61 32 18 11 8 14 16 25 30 39 75

8.9 8.5 8.7 13.3 13.9 14.8 14.4 11.0 14.3 14.5 13.9 14.6 11.3 11.5 12.
75 54 36 26 21 18 11 10 10 13 16 25 33 43 75

6.0 4.2 2.9 5.8 5.2 4.8 4.3 4.5 4.6 6.7 6.7 3.2 3.4 8.3
76 59 34 25 20 11 9 16 21 25 29 43 75

11.3 10.3 9.9 6.0 5.5
80 58 33 25 11

4.8 4.9 5.3 10.9 9.2 8.0 8.8 12.3 12.0
8 15 28 32 44 55 65 84

11.4 11.3 7.4 6.1 5.3 5.7 5.3 13.1 12.8 15.2 12.2
75 49 26 12 13 15 29 34 39 42 46

14.1 11.0 11.3
54 65 60

Top BOAT-SPIKE & 500 LINE TRACKS

6.5 6.6 6.3 4.9 2.6 2.1 1.6 1.8 1.9 10.5 10.6 9.7 9.3 13.2
75 60 40 25 17 11 9 13 29 37 40 51 62

11.3
69.2

Top
H.W.
13.3 15.6 16.1 10.5 8.9 3.0 2.6 2.1 2.4 2.5 10.6 10.2 11.0 13.9 12.4 12.2
75 54 34 34 26 16 11 9 13 25 38 54 63 67 71

Top
H.W.
16.6 16.6 15.9 17.2 10.7 8.9 3.1 2.7 2.1 DUP +88
75 60 53 34 34 27 16 11

Sta	+	1	-	Elev
		850.10		
T. P.	5.60	851.39	4.31	845.79

+96 XDRAIN 36" ^{C.M. RT} CAST-IRON LT. 47.8

+99 XDRAIN 36" C.M. 47.7

6 47.6

+14 47.2

+19 47.1

+33 46.6

+48 46.2

T.P	6.04	851.83	5.60	845.79
-----	------	--------	------	--------

L+

Q

R+

TOP BOAT-SPIKE & 500-LINE TRACKS

FL	TOP																		
18.2	18.85	12.3	10.7	4.6	4.1	3.6	4.0	4.2	18.32	19.0	14.8	15.7							
75-61	35	34	27	16	12		8	10	25	32	48	67							

FL																			
18.05							3.7												
36																			

FL																			
17.32																			
28																			

13.3	14.1	13.2	10.9	4.7	4.3		3.8												
75	36	35	24	15	12														

4.2	18.3	18.1	15.8	14.8															
(11)	27	54	58-65	75															
(?)																			

8.1	7.5	7.9	5.5	4.7	4.2	4.6	10.2	12.3	16.4	17.8									
75	60	42	20	12		11	21	37	55	59-67									

8.0	7.2	5.9	4.7	4.3		4.4	4.6	10.5	12.8	14.6	17.8	15.6							
75	42	34	13			7	11	24	61	67	68-75	77							

W. RAIL																			
6.04	6.6	7.0	6.5	5.4	5.0	4.8	4.9	4.9	10.1	12.7	12.7								
100	75	48	35	25	12		8	12	24	49	75								

FL	W. RAIL																		
7.2	5.59	5.59	5.9	5.3	5.2	5.2	5.3	6.5	9.6										
82	52	27	15	10		6	12	26	75										

TOP BOAT-SPIKE & 500-LINE-TRACKS

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

851.83

6+56.5		$\angle$ Soo. TRACK		45.8
--------	--	---------------------	--	------

+68				45.8
-----	--	--	--	------

+77				46.0
-----	--	--	--	------

7				46.6
---	--	--	--	------

+11				47.2
-----	--	--	--	------

+20				47.4
-----	--	--	--	------

+56				48.7
-----	--	--	--	------

+82				50.1
-----	--	--	--	------

Lt

♀

Rt

5.1	7.7	6.3	E.RAIL	6.14	6.04	W.RAIL	5.88	6.6	10.5	✓
75	45	12		8			9	28	75	

7.3	7.2	5.7	3.9	6.1	6.0	6.0	6.0	6.6	E.RAIL	W.RAIL	7.7	✓
75	54	46	22	15	11		7	12	613	589	85	

7.3	6.8	5.0	5.8	5.8	5.9	6.0	4.8	5.7	7.3	6.7	E.RAIL	6.14
75	40	20	14			6	13	16	28	40	55	82

7.7	7.1	5.7	5.1	5.4	5.1	5.2	5.4	8.0	9.2	10.5	✓
75	40	26	14	13	3		9	23	47	75	

8.4	8.3	6.6	5.4	4.9	5.2	4.7	4.6	5.0	5.4	7.6	10.0	11.8
75	60	35	28	14	13	4		7	12	20	52	75

7.0	4	0.8	0.5	4.4	4.6	5.0	4.7	4.4	4.8	5.1	7.2	9.1	13.8	✓
75	50	31	22	15	13	10			7	14	20	45	77	

7.0	5	0.0	0.3	2.3	3.3	4.0	3.5	3.1	3.7	3.9	5.6	7.7	14.6	✓
75	44	30	22	15	13	12			8	12	18	37	75	

7.0	4	0.3	0.7	0.9	1.9	1.7	1.7	2.3	2.3	1.8	1.9	15.0	✓
75	30	22	19	14	8			10	14	17	27	75	

Sta	+	π	-	Elev
		851.83		
8+00				50.9
T.P	12.15	863.10	0.88	850.95
+50				52.7
9				53.9
+36				54.5
+56				54.9
+76				55.3
10		Approx & sylvan sylvan		55.9
+35				56.8
T.P	9.41	868.98	3.53	859.57

L+

E

R+

53.7

H.O													
+1.9	+1.4	0.3	1.1	0.9	0.9		1.4	1.4	0.8	1.4	14.8		
46	30	17	9				9	14	16	35	75		

L STA - 8+00

10.2	9.2	9.4	10.3	10.9	10.5	10.4	10.8	11.1	9.9	9.5	6.3	9.0	13.4
75	52	30	20	12	6		8	12	16	25	34	47	75

9.6	8.8	8.6	8.8	9.7	9.3	9.2	9.7	8.6	2.7	4.5		11.7
75	52	30	17	14	8		13	25	39	54		75

9.3	8.4	8.1	8.1	8.8	8.6	8.6	8.8	9.1	8.1	+10.9	0.6	4.1
75	63	41	18	15	9		8	13	26	43	62	75

8.6	7.7	7.9	8.4	8.2		8.2	8.5	8.6	7.5	+12.7	+1.5
75	52	18	13	8			10	14	25	44	75

8.9	7.8	7.9	7.8			8.1	8.3	8.8	8.9
75	41	14				10	20	39	75

8.8	8.1	7.2	7.3	7.2	7.5	8.6	7.4	10.5	
100	50	21	11		9	37	65	100	

8.3	6.8	6.2	6.3		7.0	6.5	5.5	6.3	8.3
75	32	14			12	25	31	41	75

Sta	+	π	-	Elev
		868.98		
10+50				57.3
+59				57.6
11				59.6
+50				62.5
12				65.4
+34				66.7
+60				
+77				68.2
T.P	7.25	876.00	0.23	868.75
B.M	6.68	882.64	0.04	875.96 (875.95)

L+

±

R+

✓

13.8	13.1	11.7	11.7	11.9	12.4	11.5	12.3	1.5	1.2
75	34	17		9	14	19	23	44	75

✓

6.2	5.9	11.6	11.4	11.4		11.5	12.0	11.3	11.8	1.8	1.8
75	38	24	7			11	13	18	22	42	75

✓

5.2	4.4	4.8	8.7	10.2	9.8	9.4	9.4	9.9	9.7	6.1	5.3	1.9	3.8
75	50	35	27	20	15		8	13	25	31	35	41	75

✓

3.2	3.2	7.2	6.7	6.5		6.7	7.2	6.4	2.6	3.7
75	32	22	9			9	15	23	37	75

✓

2.1	2.2	4.3	3.4	4.3	3.9	3.6	3.9	4.6	3.5	3.1	2.4
75	30	25	18	17	9		8	13	18	32	71

✓

1.9	1.9	2.7	2.4	2.3		2.7	3.1	2.3	2.8	3.0
75	26	19	12			8	13	17	39	75

17.9 GARAGE
1.1
50

✓

1.8	1.1	0.0	1.8	1.3	1.0	0.8	1.1	1.5	0.7	0.9	1.4
75	60	30	24	17	10		6	14	18	40	75

TOP DOOR-SILL HOUSE #16 E-LERPENTEUR

Sta	+	π	-	Elev
		882.64		
13+00				68.9
+13				69.3
+20				
+34				70.1
+40				70.4
+70	RETAINING WALL			71.8
+78				72.1
14				73.2
+27				74.6

Lt

Q

Rt

16.3 15.8 14.4 13.5 14.7 14.6 14.0 13.7 14.5 15.1 13.8 12.5 11.8 ✓
 75 60 52 29 25 17 11 10 13 16 48 75

15.2 13.7 13.3 14.2 14.4 13.9 13.3
 70 54 30 21 17 14

13.6 14.2 12.8 10.3 9.8
 7 14 19 44 75

69.64
 40
 13.0
 48

12.5 12.1 12.6 13.2 13.5 13.0 12.5 12.8 13.4 10.9 9.6 8.9 ✓
 60 38 30 19 17 11 7 14 23 36 61

10.6 10.7 11.1 12.7 12.8 13.2 12.8 12.2
 75 55 32 25 19 17 11

12.5 13.2 10.9 9.6 9.0 8.9
 7 14 21 31 49 63

72.7
 H.O.
 9.9 10.4 11.2 11.8 11.4
 48 32 27 15 10

10.8 11.3 11.7 10.2 9.4 7.8
 7 15 21 30 30 53 53 70
 70
 4.5

H.O.

10.0 10.4 11.5 11.2 10.9 10.5
 45 31 15 14 10

Bottom Top Data Top Bottom
 10.8 11.4 9.1 5.1 2.7 2.2
 6 15 28 37 51 70

80.94

H.O.

10.3 9.9 10.8 10.2
 73 30 20 13

9.4 9.9 10.4 9.5 8.2 3.2 1.7
 11 16 20 27 37 64

10.4 9.9 9.3 8.4 8.0 8.3 9.1 8.5 8.1 2.7 1.6
 70 34 14 9 9 16 18 26 37 66

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

882.64

14+33

74.9

+46 ^{LT.} APPROX $\frac{1}{2}$ GUERNY ST 75.7

+55

76.1

+66

76.7

+84

77.7

15

78.6

T.P. 11.12 891.86 1.90 880.74

+50

81.4

+70

16

83.6

L+

Q

R+

9.1 8.8 8.1 7.7 8.2 8.7 8.3 8.1 2.2 1.1 1.1
 77 40 12 11 17 19 25 36 60 75

10.9 9.9 9.1 8.5 7.7 6.9 7.4 8.0 7.7 7.4 1.3 0.4 +0.3
 200 150 100 54 17 9 17 19 28 37 60 75

9.4 9.0 8.3 7.0 6.5 7.2 7.6 0.0 +1.0 +3.5
 75 43 19 9 14 26 39 66 84

5.4 3.6 5.4 5.7 6.7 6.6 5.9 6.6 6.6 7.1 +1.5 +2.4 +4.0
 75 33 28 19 16 10 14 19 27 40 55 84

4.5 3.6 2.8 4.9 5.3 6.0 5.6 4.9 5.6 5.7 5.8 0.00 +4.8 +4.5 +6.0
 75 46 32 25 18 16 7 14 22 28 36 43 55 77

3.4 2.6 2.2 4.1 4.4 5.1 4.7 4.0 4.4 4.8 4.8 +4.3 +5.0 +6.5
 75 55 32 25 19 17 9 13 19 28 43 52 76

TOP STEP 30' LT STD 15+20

817

HO.

10.2 11.5 11.2 11.1 11.1 10.5 10.8 11.1 10.9 10.0 4.2 2.7 1.7
 41 18 15 13 10 13 19 24 28 39 58 75

809

GAP

11.0

61

12.9 11.5 8.9 8.8 9.3 9.0 8.3 8.3 9.0 9.4 8.0 7.3 3.4 2.1 0.0
 75 46 18 14 11 8 5 13 19 23 38 38 56 75

Sta	+	π	-	Elev
		891.86		
16	+50			84.7
17				85.5
	+31			86.1
	+49			86.5
	+53			86.6
+68		APPROX. ADELL ST.		86.7
18				86.5
+50		RETAINING WALL		85.3
+56				

L+

E

R+



13.1	12.5	10.6	7.7	7.7	7.2	7.1	8.0	7.0	6.1	1.7	8.0	+	1
75	40	25	12	7		6	19	23	30	38	58	75	

83.4 H.O.

8.5	9.2	9.2	6.8	6.8	6.4
56	52	27	14	7	

6.3	6.9	5.4	5.0
9	20	25	31



11.6	9.3	28	6.7	5.7	6.2	5.8	5.7	6.5	5.2	4.5
95	84	64	40	9	6		8	20	25	31



8.0	7.0	5.8	6.5	5.4
75	50	22	17	

5.4	6.2	5.2	4.5
8	21	24	30



8.7	7.8	6.9	5.5	5.3	5.5	6.2	5.0	4.4
78	53	28	7		10	20	26	30



11.3	11.8	11.2	9.2	6.1	5.5	5.2
250	200	150	100	39	21	

5.4	6.0	5.1
11	20	30



6.8	6.5	6.1	6.0
75	45	16	8

5.4	5.3	6.2	4.9	3.4
8	20	25	34	



921

0.

H.O.	Bot	Top	Bot	Top				
9.8	9.8	6.6	9.0	6.7	6.8	7.3	6.6	
61	56	56	41	41	25	8		

6.7	7.5	5.1
12	20	31



GARAGE

9.9

56

8196

Sta	+	π	-	Elev
		891.86		
18+66				84.6
+81				84.0
19				82.9
T.P.B.M			10.51	881.35
T.P.B.M	13.70	905.56	0.00	891.86
T.P	9.32	913.42	1.46	904.10
17+00				85.5
+31				86.1
+49				86.5
+53				86.6

Lt

E

Rt

11.9 10.1 8.8 7.4 7.7 7.3 7.2 8.1 8.1 ✓
 70 46 28 10 8 7 20 24

14.6 13.6 12.0 8.6 8.4 7.9 8.0 9.0 8.8 ✓
 75 52 29 16 8 8 20 25

17.9 15.7 14.7 14.1 9.1 8.9 9.0 8.9 9.8 9.5 7.7 ✓
 75 50 40 29 15 10 8 10 20 25 29

SPIKE P. POLE 30' RT STA 19+45

SPIKE P. POLE 30' RT STA 18+00

27.9

22.7 19.6 ✓
 42 75

27.3

22.6 18.0 ✓
 44 75

26.9

17.6 18.2 17.0 ✓
 44 65 75

26.8

19.2 18.0 16.4 13.8 ✓
 44 64 82 100

STA

+

K

-

ELEV

913.42

17+68

86.7

18

86.5

+50

85.3

~~+56~~

+66

84.6

+81

84.0

19

82.9

+28

81.1

+63

79.3

LT

F

RT

26.7

18.3	17.8	16.0	13.3	7.1	✓
45	61	80	100	150	

26.9

16.8	13.2	4.9	✓
47	90	150	

28.1

10.6	7.6	5.9	2.3	✓
64	82	100	150	

GARAGE

28.8

9.6	6.6	5.2	3.0	2.5	✓
66	83	100	125	150	

29.4

10.2	6.2	4.6	3.7	✓
65	82	100	150	

30.5

10.2	5.6	4.4	✓
68	88	100	

32.3

12.1	5.1	3.7	✓
69	100	125	

34.1

14.2	6.5	3.7	✓
66	100	125	

STA	+	IK	-	ELEV
		913.42		
20+00				77.5
T. P	1.28	905.38	9.32	904.10
T. P. B. M.			13.52	891.86 891.86
T. P. B. M.	1.53	882.88		881.35
19+28				81.1
+63				79.3
20				77.5
+42				76.2
T. P.	5.02	880.18	7.72	875.16
+75				75.6

LT

L

RT

35.9

19.2	11.2	8.2
61	100	125

SPIKE IN P POLE 30' RT STA 18+00

SPIKE IN P POLE 30' RT STA 19+45

11.6	10.3	7.4	3.8	1.7	2.1	1.8	1.6	2.0	2.2	0.00	✓
75	52	21	19	10	8	—	8	19	24	32	

14.4	12.4	10.0	5.0	3.9	3.6	3.5	3.6	4.0	2.9	✓
75	52	29	18	9			7	16	25	27

16.3	15.0	12.4	7.4	5.9	5.4	5.1	5.2	5.9	4.3	3.7	✓
75	54	30	18	8		7	16	22	25	30	

18.9	17.5	15.1	10.7	7.3	6.7	6.2	6.3	6.6	5.4	5.2	0.0	+4.8	✓
75	46	30	16	8		8	17	22	26	30	40	75	

19.0	17.5	15.5	5.3	4.6	4.1	4.3	4.6	4.2	4.7	3.3	2.5	✓
75	50	34	7		8	17	21	24	41	59	75	

STA	+	π	-	ELEV
		880.18		

21+00				75.2
-------	--	--	--	------

+42				75.0
-----	--	--	--	------

+68				75.3
-----	--	--	--	------

22				76.1
----	--	--	--	------

+50				78.0
-----	--	--	--	------

+75				79.3
-----	--	--	--	------

T.P.	10.90	890.70	0.38	879.80
------	-------	--------	------	--------

23				80.8
----	--	--	--	------

LT

X

RT

20.4 17.8 6.0
75 37 8

5.0 4.4 4.7 4.9 6.8 7.4 9.0 9.2
9 19 23 27 44 61 75

24.4 21.2 12.0 5.9 5.2 4.7 4.9 5.4 8.8 9.6 9.1
75 44 25 7 7 17 22 30 54 75

26.0 22.4 5.5
75 45 8

4.9 4.5 4.8 5.3 7.4 6.7 4.6
6 17 22 25 41 75

23.4 19.7
75 43

4.8 4.1 3.8 4.1 4.7 7.9 7.6 2.2
10 7 15 22 28 46 75

17.0 13.0 2.7 2.2 2.1 2.5 2.8 3.7 7.2 7.1 2.0
75 35 9 8 15 21 24 47 63 75

14.1 11.6 1.5 1.2 0.9 0.8 1.5 1.2 5.3 5.0 +0.7 ✓
75 38 11 5 7 18 23 47 56 75

22.6 20.1 10.2 10.4 9.9 9.8 10.1 10.7 8.4 8.9 10.0 5.0
75 37 8 4 13 19 25 39 58 75

(11)
(?)

STA	+	π	-	ELEV
		890.70		
23+20				82.0
+40				83.1
+50				83.7
+54				83.9
+78				85.2
24				86.1
+20				86.9
+34				87.6

LT

L

RT

20.7 16.5 14.4 8.7 8.6 9.2 9.2 8.7 8.6 9.1 9.4 7.9 7.0 7.2 1.2
 75 40 27 14 10 9 5 5 5 14 20 22 35 51 75 ✓

17.1 13.8 10.6 7.2 7.2 8.3 7.6
 75 48 25 17 12 8

7.5 8.4 7.6 6.2 4.0 4.0
 6 17 23 39 61 75 ✓

14.6 11.8 9.5 7.1 6.7 7.7 7.0 6.9 8.0 5.8 4.9 0.6 1.0
 75 46 33 27 12 8 5 19 29 47 66 75 ✓

10.4 7.4 7.0 6.2 6.5 7.5 6.8
 75 58 46 42 12 8

6.7 7.7 5.6 3.7 0.0
 5 19 29 55 75 ✓

84.9
 40
 5.8 5.6 6.0
 41 15 9

5.5 5.6 6.6 3.9 4.0 3.1
 5 19 28 58 75 ✓

(7.56)

6.2 5.7 4.1 4.9 4.6
 75 33 13 7

4.6 5.4 3.7 3.8 3.1
 6 19 30 48 75 ✓

9.4 6.9 3.7 4.3 3.8 3.6 4.0 4.6 3.9 3.8
 75 45 14 9 7 15 26 54 75 ✓

10.4 8.7 6.0 3.1
 75 55 27

3.2 3.7 4.1
 19 44 75 ✓

STA	+	π	-	ELEV
		890.70		

24+42.1	±	PROFILE JACKSON		87.9
---------	---	-----------------	--	------

B.M.		5.48	885.22	885.21
------	--	------	--------	--------

LT

E

RT

J

15.9	14.1	11.5	7.7	4.0	2.8	2.6	3.3	4.0	4.7	5.6
200	150	100	50	14		13	50	100	150	200

Top N.E. COR BOTTOM STEP #1701 JACKSON-ST

STA

+

π

-

ELEV

X Sections
Larpenteur Ave.
Jackson St. to McMenemy

Sta	+	π	-	Elev
	856	893.77		885.21

24 +58

88.4

+67

88.7

+77

89.0

+87

89.3

+96

Batt. Rip Rep Lt 89.6

25

89.8

+07

90.0

+28

+41

90.9

11-22-49

43

GB
AM
MB
BC

Lt

Q

Rt

Top NE Cor Bottom Step of Ho. 1701 Jackson St

12.9	9.9	5.9	5.4	5.2	5.6	6.3	7.1
75	38	6		7	21	36	75

12.6	10.6	5.2	5.7
75	49	12	7

5.1	4.9	6.1	4.8	5.5	5.5
8	25	30	58	75	

11.0	8.1	5.3	4.7	5.2	4.8	4.7	5.2	0.0	+0.1
75	30	25	10	7		6	23	32	75

9.9	8.5	7.6	4.4	4.4	5.0	4.5	4.7	5.3	+2.2	+2.5
75	46	31	25	11	8		6	18	32	75

9.2	8.3	7.8	4.1	4.3	4.8	4.2	4.3	5.0
75	57	34	25	13	9		7	17

45E cor Rip Rod

5.0	3.7	4.0	4.7
75	26	17	13

4.0	4.1	4.8	4.4
6	17	20	

3.3	3.0	3.8	4.5	3.8	2.9	4.5	4.2
75	43	20	11		6	17	20

90.45
SW end.
3.3289.9
Rgn @ Ho
3.9 3.9 3.2 3.6
62 35 21 14

2.9	3.2	2.3	12
15	18	25	

Sta + π - Elev.

893.77

²⁵
+79

90.7

+85

90.6

26

90.4

+50

89.4

T.B.M. 13.52 90 1.26 6.03 887.74

24 +96

89.6

25 +00

89.8

+07

90.0

+11

90.9

Lt

C

Rt

3.1?

3.0 2.5 2.8 3.3 2.1
75 29 14 12

3.3 2.6 2.5
13 15 21

0.6 1.2 3.0 2.1 3.4 3.2 3.5 2.6 2.5
75 43 24 14 11 13 15 21

0.0 1.6 3.3 2.3 3.2 3.4
75 52 27 15 12

3.8 2.0 2.9
12 14 18

0.3 0.5 1.0 3.7 4.3 4.4 5.2 2.9 3.7
75 50 32 23 16 11 13 16
4.8
14

(11.7)

(11.5)

5.0
325.0
325.0
51

(11.3)

5.0
325.0
51

(10.4)

4.9 5.4 5.0
75 31 49

Sta + π - Elev

901.26

25+55 Gar Floor Rt

25+79

90.7

+85

90.6

26

90.4

+50

89.4

27

87.8

+50

85.8

+79

84.4

28

83.3

Lt

C

Rt

4.85

(10.6)

6.5 6.0 5.9 ✓
32 54 75

(10.7)

6.7 6.2 5.6 ✓
32 62 75

(10.9)

6.6 6.1 4.5 ✓
32 52 75

(11.9)

5.3 4.7 3.0 0.5 ✓
29 40 53 75

9.1 8.4 9.7 12.5 12.6 14.0 13.7 13.5 14.0 2.9 2.7 0.0 + 1.0 ✓
75 60 33 24 19 15 8 10 30 38 61 75

15.5 P

12.5

9.1 10.6 12.5 13.5 15.4 15.6 15.8 5.2 5.6 5.3 3.8 2.7 ✓
75 59 42 29 23 17 2 29 33 44 61 75
15.5 16.1
8 15

(16.9)

13.0 8.0 6.5 3.9 ✓
15 29 50 75

(18.0)

7.7 7.0 4.8 4.3 ✓
31 43 60 78

Sta + π - Elev

901.26

28 + 32

81.7

+ 78

79.1

29

77.7

TBM

2.61

890.35

887.74

Used former turn to get low HI

27 + 79

84.4

28

83.3

+ 32

81.7

+ 78

79.1

29

77.7

1.66

879.36

12.65

877.70

Lt

E

Rt

(19.6)

10.8 7.1 7.0 5.5 6.2
21 29 41 57 75

(22.2)

11.9 10.8 9.7 10.2 10.1
22 27 30 32 44
11.2 9.8 75 57 ✓

(23.6)

14.3 13.6 12.5 13.4 12.8 13.3
21 28 31 42 57 75

2.5 4.0 5.1 4.4 5.2 6.3 5.9 6.0
75 63 39 28 18 16 8

6.6
8 ✓

4.7 5.6 6.7 6.2 6.3 7.4 7.0 7.1 7.4
75 56 35 31 20 16 9 9

✓

7.1 2.9 9.0 8.6 8.3 9.4 8.7 8.7
75 54 36 30 20 16 8

8.9
8 ✓

13.4 13.3 11.7 10.4 11.8 12.1 11.3 11.3 11.4
75 52 34 29 22 17 7 8

✓

14.6 14.2 12.6 11.3 13.0 13.3 12.7 12.7
75 52 37 27 23 16 8

12.9
9 ✓

Sta	+	π	-	Elev
		879.36		
29 + 42				74.9
+ 81				72.5
30				71.6
+ 50				69.8
31				68.3
+ 50				67.2
32				66.0
+ 19				65.5
+ 45				64.8

Lt

C

Rt

✓

3.1	3.6	3.0	2.6	4.4	4.9	4.4	4.5	4.7	2.2	2.2	+1.5	+2.0
75	59	35	29	21	19	9		8	10	12	19	24
											+2.8	+1.5
											75	46

7.1	7.2	8.2	7.4	6.7	7.0	6.6	6.9	7.3	5.7	8.0	7.9	7.5
75	57	34	31	19	16	9		9	10	24	45	75

10.0	9.7	10.3	7.8	7.6	7.8	8.2	7.3	9.7	9.0	9.7	8.8
75	55	33	18	10		9		10	26	37	52

10.4	11.9	11.7	11.7	10.2	9.6	9.6	9.8	10.1	11.9	12.5	12.7
75	64	31	22	16	9		8	12	24	56	75

7.9	11.2	13.2	13.2	13.6	12.7	11.7	11.3	11.1	11.6	15.5	15.7	15.8
75	52	41	31	25	19	16	12		11	22	49	75

7.4	11.4	12.4	12.2	13.0	12.3	12.2	12.9	15.1	16.4	17.4	17.9
75	43	32	27	17	13		12	19	33	55	75

5.5	8.2	11.0	11.8	12.8	13.7	13.5	13.4	14.0	15.9	12.7	18.0
75	60	39	23	17	13	7		7	15	18	24
											44
											75

13.9

4.1	4.6	5.7	9.3	10.6	14.4	14.1	14.0	14.3	13.9	15.6	16.4	17.3
75	57	43	35	17	13	5	7	15	18	24	48	75

✓

4.6	4.4	3.5	4.8	6.0	14.2	14.9	14.6	14.5	14.7	14.2	12.5	12.2	14.6	15.8
75	56	38	34	22	12	8		7	15	18	29	40	54	75

Sta	+	π	-	Elev
		879.36		
32 + 53				(64.5)
+ 72				(64.0)
33				(62.9)
+ 17				(62.2)
+ 26				(61.8)
+ 51				(60.6)
34				(57.8)
+ 40				(55.7)
1.42		867.43	13.35	866.01

Lt

C

Rt

5.0 4.5 2.7 3.5
75 57 43 25

✓

(14.9)

12.0
31

11.8 12.0 12.5
44 65 75

5.0 5.0 1.8 1.9
75 58 36 25

(15.4)

✓

11.2 11.7 12.1
29 53 75

5.9 6.2 3.5 3.4
75 56 37 24

(16.5)

✓

11.1 12.1 12.6 12.4
27 37 60 75

5.7 6.0 4.8 3.7 3.8
75 58 51 41 26

(17.2)

✓

11.8 11.8 11.9 12.0
24 34 54 75

5.1 6.0 4.8 3.7 3.8
75 58 51 41 26

(17.6)

9.3 10.1 10.2 ✓
28 50 75

5.9 4.5 4.7
75 49 27

(18.8)

✓

8.8 9.5 10.1
27 51 75

11.4 11.8 12.1 13.1
75 64 45 23

(21.6)

8.8 10.1 9.9 ✓
34 46 75

(23.7)

16.8 8.6
51 75

✓

Sta + π - Elev

867.43

32 + 53

64.5

+ 72

64.0

33 + 00
+ 33

62.9

+ 17

62.2

+ 26

61.8

+ 51

60.6

34

57.8

+ 40

55.7

147

856.35

12.55

854.88

Lt

C

Rt

2.7	3.0	2.9	2.8	3.0	
12	5		7	15	✓

3.2	3.6		3.4	3.5	3.8	
12	6			9	15	✓

4.5	4.5	4.6	5.0	4.6	
12		7	15	19	✓

5.2		5.2	5.3	5.5	4.8	
12			7	15	18	✓

5.5	5.6	5.7	5.9	4.8	
13		7	15	18	✓

7.1		6.8	6.8	7.2	
13			7	15	✓

10.0	9.7	9.6	9.6	9.9	9.2	8.4	
13	8		7	15	18	24	✓

✓

6.1	8.4	9.8	11.2	11.4	12.3	12.0	11.7	11.8	11.9	11.3	8.4
59	43	30	27	17	14	9		8	17	27	34

6.0
/ 95

Sta	+	π	-	Elev
		856.35		
34 + 55				55.0
+ 59				54.8
+ 77				54.1
35				53.1
+ 32				51.9
+ 55				51.2
+ 74				50.8
36				50.6

L+

E

R+

✓

+2.1	+2.0	+0.7	0.3	1.3	1.9	1.7	1.4	1.6	1.9	0.8	0.0	+3.5	+8.5
75	58	41	30	16	14	9		12	16	24	30	49	75

✓

0.7	1.2	1.3	1.4	2.1	1.8	1.6		1.8	2.2	1.2	+4.6	+7.3
75	46	31	17	14	6			12	16	25	50	75

✓

1.2	1.6	2.3	1.9	2.2	2.8	2.6	2.3	2.5	3.0	3.5	3.8	1.5	0.0	+2.0
75	59	35	25	16	14	8		11	17	20	23	38	48	75

✓

1.2
b H0

2.2	2.2	2.6	3.1	2.8	3.2	3.8	3.6	3.3	3.4	3.6	6.5	8.1	9.1	6.9
109	75	47	32	21	14	13	8		9	17	24	42	62	75

✓

2.1	3.7	4.2	4.3	4.8		4.5	4.6	5.2	10.4	12.4	13.8
75	48	26	16	10			6	15	24	40	75

✓

5.6	4.3	4.5	5.2	5.2	5.2	5.4	5.9	12.1	15.2	16.3
75	37	22	20	10		8	14	24	42	75

✓

10.0	9.6	8.1	4.9	4.7	5.7	5.8	5.9	6.4	14.1	15.9	17.5	17.4
75	51	41	29	19	17	9	9	14	27	37	57	75

✓

10.7	9.1	5.4	5.5	6.7	6.2	5.8	5.9	6.0	13.4	17.5	17.4
45	44	30	20	14	8		7	12	24	52	75

Sta + π - Elev

856.35

36+12

50.7

+53

51.6

+61

Driveway Rt 51.9

+85

Driveway Rt 52.9

BM

153

854.82

854.82

37

53.5

+33

54.9

Lt

E

Rt

✓
 5.9 6.2 6.3 5.4 5.7 6.6 6.6 5.7 6.2 13.7 16.1 16.8 1
 75 50 39 31 19 17 11 12 27 38 61 75

✓
 4.7 4.8 5.0 5.5 4.8 5.0 6.3 10.6 11.0 13.6
 75 37 12 8 10 23 30 51 75

4.4 4.3 4.8 5.2 4.5 4.8 5.5 7.7 11.0 ✓
 75 41 11 9 12 18 40 75

✓
 3.2 3.3 3.4 3.3 4.1 3.5 3.5 4.1 5.5 7.5 10.4
 99 66 38 12 9 7 16 23 47 75

West cor. door Sill 215 Larpenteur.

✓
 2.8 3.2 3.3 2.7 3.4 2.9 2.9 3.4 3.6 3.4 8.8
 75 44 23 10 8 6 16 20 42 75

✓
 1.2 1.9 2.2 1.8 1.9 1.5 1.7 2.1 1.7 2.7 3.9 5.6
 75 45 22 16 6 10 17 19 24 47 75

Sta	+	π	-	Elev
BM	7.66	862.48		854.82
37+56				55.6
+72				56.1
38				56.7
+37				57.3
+50		HO Lt		
+77				57.6
39				57.5

11-23-49

GB

AM

MB

BC

52

Lt

C

Rt

West Cor. Door Sill

215 Carpenter

4.3 4.9 5.3 6.2 7.1 6.9 6.9 7.7 6.9 7.2 11.6 ~~15.0~~
 75 45 24 11 7 7 18 20 25 45 75

3.9 4.2 4.7 5.5 6.1 6.4 6.7 6.5 10.3 13.2 16.0 17.5
 75 53 30 10 7 20 24 31 40 57 95

7.2 6.6
 18 8

3.6 4.2 4.4 4.8 5.9 5.8 5.9 6.5 4.8 8.3 12.4
 75 48 26 8 7 9 18 22 32 39

18.7 16.5
 75 61

3.9 3.9 4.1 4.4 5.2 5.2 5.1 5.6 2.7 2.8 9.9 13.6 16.7
 75 50 26 9 6 6 19 22 29 38 56 75
 16.7

5.91 40
 3.4
 99

3.7 4.1 4.6 4.5 5.2 4.9 4.8 5.1 3.8 3.1 4.0 6.5
 75 41 15 7 5 10 20 21 24 82 39

11.0 9.1
 75 60

4.5 4.6 4.9 5.2 5.0 2.9 2.9 4.5 4.7 6.7 8.5
 75 58 27 9 25 33 37 44 58 75

3.9 5.1 4.9
 21 19 10

Sta	+	π	-	Elev
		862.48		
39 + 22				57.4

✓ + 45		Gr @ Base House Lt		
--------	--	--------------------	--	--

+ 70				57.7
------	--	--	--	------

+ 83				57.9
------	--	--	--	------

40				58.1
----	--	--	--	------



+ 28		Ground @ Ho. Lt.		58.4
------	--	------------------	--	------

+ 53				58.4
------	--	--	--	------

+ 64				58.3
------	--	--	--	------

73

55

18

6.2
5.5
0.721.4
3.5

53

Lt

L

Rt.

6.2 6.3 6.5 6.4 5.5
75 52 29 8 5

5.1 4.9 5.2 3.0 2.5 3.6 5.2 8.0
10 19 24 32 35 53 75

57.7

4.8

99

5.7 6.7 6.9 5.4 4.8 0.9 0.5 2.3 3.1 6.8 13.1
75 32 11 7

24 30 34 39 51 75
5.0 4.6
19 7

8.7 9.2 8.6 7.8 5.1
75 58 34 17 7

4.6 4.5 4.8 0.0 +0.2 5.8 13.8
7 19 25 30 48 75

8.9 8.2 6.6 5.4 4.4 4.4 4.7 +0.8 +0.8 8.3 14.8
75 42 20 11 7 6 18 25 29 55 75

40

4.4 8.4 8.7 7.8 5.8 4.2 4.5 4.1 4.2 4.5 2.4 +1.2 +1.0 -2.1 9.5
99 82 55 27 15 11 8 8 17 18 24 27 35 58
55 14.4
75

8.2 8.2 7.0 4.1 4.4 4.1 4.6 3.2 3.6 1.4 4.8 8.9 14.0
75 38 22 10 8 16 18 24 29 35 58 78
(4.1)
5

5.7 5.7 5.8 4.1 4.5 4.2 4.3 4.7 3.3 2.8 1.0 3.7 9.6
75 45 33 10 8 7 16 18 23 27 36 61

13.3
75

Sta + π - Elev

862.48

41 +00

57.7

T.P.

3.55

860.40

5.63

856.85

+26

56.9

+73

55.1

42

54.0

+25

53.0

+52

52.2

43

51.9

+34

52.8

Profile Driveway Lt

54

Lt

C

Rt

4.6 4.6 4.4 4.6 5.1 4.8 5.3 1.3 2.1 6.7 10.3 14.1
 75 38 28 13 10 5 15 23 28 87 50 75

1.3 1.0 2.0 2.6 3.0 3.8 3.5 3.7 4.0 0.5 2.6 8.8 14.3
 75 51 27 23 12 10 7 15 20 30 44 75

0.4 1.0 2.0 2.9 4.3 4.8 5.5 5.3 5.7 5.3 11.2 13.3 14.7
 75 55 36 27 23 16 8 15 16 34 39 75

0.4 0.5 2.0 3.5 5.9 6.7 6.4 6.5 7.0 11.5 14.4 15.6 14.2
 75 65 42 29 23 9 6 16 27 38 65 75

0.8 1.3 2.1 2.6 7.6 7.9 7.4 7.6 8.3 14.0 15.8 16.0 13.7
 75 60 45 32 23 10 6 16 28 39 59 75

1.2 1.9 2.9 10.4 10.7 8.6 8.2 8.3 9.0 13.3 14.4 15.5 13.7
 75 53 39 25 16 11 6 16 24 37 54 75

4.6 5.2 5.4 8.4 10.3 8.6 8.5 8.7 8.9 9.2 11.5 10.5
 75 54 38 32 15 7 10 20 24 45 75

6.2 7.1 7.6 8.0 8.2 8.6 9.0 9.9 10.5 10.7
75 38 15 15 26 35 38 54 75

Sta	+	π	-	Elev
		860.40		
⁴³ +43				52.8
+60				53.1
+85				53.7
44				54.3
+09		Profile of Miss. St. Rt.		55.1
+37				55.4
+50				56.4
+80				58.6

Lt

C

Rt

4.4 3.5 4.6 5.4 7.6 7.6 7.9 8.7 8.9 10.4 11.1 11.1
 75 55 30 19 7 16 28 36 39 62 75

Gar. Floor (ground Floor)
 Elev. 55.9

5.3 6.4 7.2 7.3 7.4 8.0 10.0 10.6 12.0
 9 4 3 19 36 46 54 75

6.3 5.7 4.5 6.7 6.6 7.4 7.9 7.8
 2 6 3 14 39 64 75

2.1 3.6 6.1 6.1
 8 3 1

6.1 6.7 6.8 7.4
 11 31 44 75

5.3
 2.7 3.8 5.3 5.8 6.4 7.1 7.7 9.0 9.9
 7 3 1 12 35 65 100 150 200

2.6 5.0
 3

4.9 5.2 6.2 7.9
 13 23 44 75

4.0 4.6 4.5 5.5 7.0 8.4
 1 15 37 58 75

1.8 3.5 3.4 4.3 4.0 1.3 4.0
 4 15 34 37 45 75

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

		860.40		
--	--	--------	--	--

45+00				58.5
-------	--	--	--	------

TP	13.69	873.10	0.99	859.41
----	-------	--------	------	--------

T/stake Sta 45

43+60				53.1
-------	--	--	--	------

+85				53.7
-----	--	--	--	------

44				54.3
----	--	--	--	------

+09				55.1
-----	--	--	--	------

+37				55.4
-----	--	--	--	------

+50				56.4
-----	--	--	--	------

+80				58.6
-----	--	--	--	------

Lt

E

Rt.

19 2.6 2.5 3.1 2.6 1.0 + 1.8
6 17 30 36 42 47

00
75

8.1 8.4 14.4
66 34 21

(20.0) ✓

15.9 G. @ H.

1.2 7.5 7.8
63 41 22

(19.4) ✓

6.9 7.6
63 21

(18.8) ✓

14.0

11.2
6.8 7.3 7.7
75 46 20

(18.0) ✓

7.7

11.9
4.6 5.5 5.8 7.1
75 50 25 17

(17.7) ✓

4.4 5.4 5.3 7.2
75 53 23 15

(16.7) ✓

6.8³ 4.0

4.8 5.1 5.4 6.4 8.3
61 49 32 14 6

(14.5) ✓

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

		873.10		
--	--	--------	--	--

4345+00				58.5
---------	--	--	--	------

+21				58.1
-----	--	--	--	------

+34				58.6
-----	--	--	--	------

+38				58.7
-----	--	--	--	------

+56				58.7
-----	--	--	--	------

+69				58.7
-----	--	--	--	------

46				58.6
----	--	--	--	------

+50				57.7
-----	--	--	--	------

Lt

C

Rt

5.0 5.2 6.0 8.2 14.6
61 44 18 7

10.5 5.5 5.7 6.3 10.6 15.0 14.8 15.3 14.4 14.0
70 65 45 20 5 12 28 30 39
7.3 7.7 13.0
75 54 45

11.1 12.1 9.8 9.7 9.4 11.0 14.5 13.0 5.8 4.6
75 44 42 25 13 5 34 52 75

(14.4)

11.9 5.3 4.2
37 50 75

(14.4)

10.6 3.6 2.6
39 51 75

(14.4)

11.7 10.1 9.3 3.1 1.7
33 37 42 52 75

(14.5)

10.9 8.7 7.2 1.9 0.0
28 37 48 57 75

(15.4)

8.2 6.0 4.3 4.6 2.1
33 38 49 59 75

Sta	+	π	-	Elev
		873.10		
46 + 80				57.2
47				56.8
+ 30				56.3
TBM	2.33	861.74	13.69	859.41
45 + 38				58.7
+ 56				58.7
+ 69				58.7
46				58.6
+ 50				57.7

L+

E

R+

(15.9)

8.6	4.3	1.3	+1.9
32	40	55	75

75
?

(16.3)

10.1	6.2	4.9	2.4	+0.3
30	37	46	55	75

(16.8)

12.7	9.1	5.4	3.4
25	33	59	75

Top Stake Sta 45

5.5	0.5	1.6	2.3	2.8	3.0	2.9	3.2	3.5	2.4
84	50	78	4	2		9	18	26	28

6.9	6.8	6.2	5.0	1.9	1.9	3.1	2.8	3.2	1.5
85	59	37	25	15	8	4	9	24	26

7.0	6.9	6.3	5.7	3.2	3.3	3.0	2.9	3.1	1.9
75	38	19	13	8	5		8	22	23

7.1	7.3	6.7	3.5	3.5	3.1	3.2	3.3	2.1
75	51	12	12	9	7	17	18	

7.1	7.0	6.6	4.5	4.0	4.4	4.0	4.3	2.8
75	53	32	24	18	14		11	13

Sta	+	π	-	Elev
		861.741		
46 + 80				57.2
47				56.8
+30				56.3
TP	6.09	861.77 861.78	6.06	855.68
+69				55.5
+95				54.8
48				54.9
+11				54.7
+60				54.3

Lt

C

Rt

7.3 6.8 6.1 4.4 4.4 4.8 4.5 4.5 4.9 3.5
75 53 40 34 20 16 5 9 11

6.0 4.6 4.5 3.8 5.0 4.8 4.9 5.2 4.0
(50 45 33 29 14 6 8 10

7.1
75

4.7 4.7 7.5 7.5 5.1 5.4 5.4 5.8 4.6
75 71 67 66 60 48 7 9
5.2 5.6 5.1 4.5
7 18 20 23

4.8 4.8 6.9 6.9 5.6 6.0 6.3 6.1 6.3 6.5 5.8 5.8 4.1 3.4 3.1
75 53 50 48 45 20 18 5 7 8 20 25 43 75

5.3 6.2 6.2 6.8 6.5 7.1 7.5 7.0 6.9 7.4
75 44 25 18 8 7 12 42 64 75

6.9 7.2 8.1 6.5 6.2 6.8 6.6 6.9 7.2 7.0 7.9 8.1 7.9
75 66 44 36 24 19 9 6 8 30 53 75

7.1 9.4 9.0 8.4 6.7 6.7 6.9 6.8 7.3 8.4 9.6 8.4 8.4 9.3
75 56 39 33 25 21 20 7 8 12 27 42 67 75

10.3 10.3 10.3 7.7 6.8 7.3 7.1 8.0 9.5 10.1 10.6 10.2 9.1 9.1
75 58 37 29 32 20 10 7 11 17 37 60 65 75

Sta + π - Elev

861.77
861.78

48+83

15" cm.

49

54.3

+16

54.4

+48

54.7

+72

54.9

50

55.7

+18

56.5

+37

57.6

125
1009

60

L+

2

R+

52.24
FL
9.48
32

51.68
FL
10.09
8

10.1 10.3 9.5 7.6 6.9 7.3 7.0 7.5 8.0 10.4 10.4 10.5 10.2
75 47 35 29 22 20 10 6 13 22 49 75

10.3 10.1 10.2 7.4 6.7 7.3 7.0 7.4 7.8 10.4 10.3 10.4
75 52 38 29 24 21 9 7 14 43 75

10.1 9.9 10.3 7.2 6.4 6.6 7.1 7.7 8.3 7.6 7.2
75 53 38 31 27 23 9 21 40 75
6.8 7.4 9 22

10.1 10.0 10.1 6.8 6.2 6.7 6.4 6.9 7.5 8.0 6.7 5.5 5.8
75 65 38 31 24 22 11 8 20 39 61 75

9.3 9.5 9.2 6.7 5.5 5.4 6.2 5.7 6.1 6.6 6.8 6.9 5.2 5.14
75 52 38 34 29 26 23 16 6 13 25 58
5.6 9

10. 8.2 8.0 4.3 4.5 5.5 4.9 5.3 5.8 5.7 6.2 5.3 5.44 5.3
70 40 32 28 25 11 6 18 42 60 67 75

3.6 3.7 3.1 3.4 4.1 3.8 4.0 4.2 4.9 4.7 5.6 5.8 5.68 5.84
75 57 41 36 33 22 9 11 13 34 50 60 67

63
75

Sta	+	π	-	Elev
		861.77		
		861.78		
		^{3.84}		
50+65		Shoulder		58.3
+69.40		McMenamy		58.6
+78		edge B/k top		58.4
+88				58.3
51				58.1
+32				60.3
+72				62.3
52				55.1
B.M.				857.88
		3.89		857.89 857.89

Lt

Q

R+



0.4	2.0	3.1	3.5	2	4.0	5.1	6.4
75	54	14			10	36	75

			10.4		50.6			
+4.5	+0.5	0.0	1.4	3.2	5.2	6.7	8.6	10.0
200	100	80	45		50	100	150	200

3.4

3.5

3.7

1.5

+0.5

6.7

NE Car Top Lower Step 1675 Mc Menamy

Sta

+

π

-

Elev

Soo Line

Rail Elevations

15' Rt., ϕ 15' Lt

2-1-50

GB.

Sta	+	π	-	Elev.
B.M.	5.47	851.26		845.79

6 + 49.97 Top West Rail Lt

6 + 54.07 $\oint$ Top West R

6 + 55.00 Top East Rail

6 + 58.05 Top W Rail

6 + 58.90 Top E Rail

6 + 63.01 Top E Rail

2

45.85

5.41
15

45.95

5.31

45.60

5.66
15

45.95

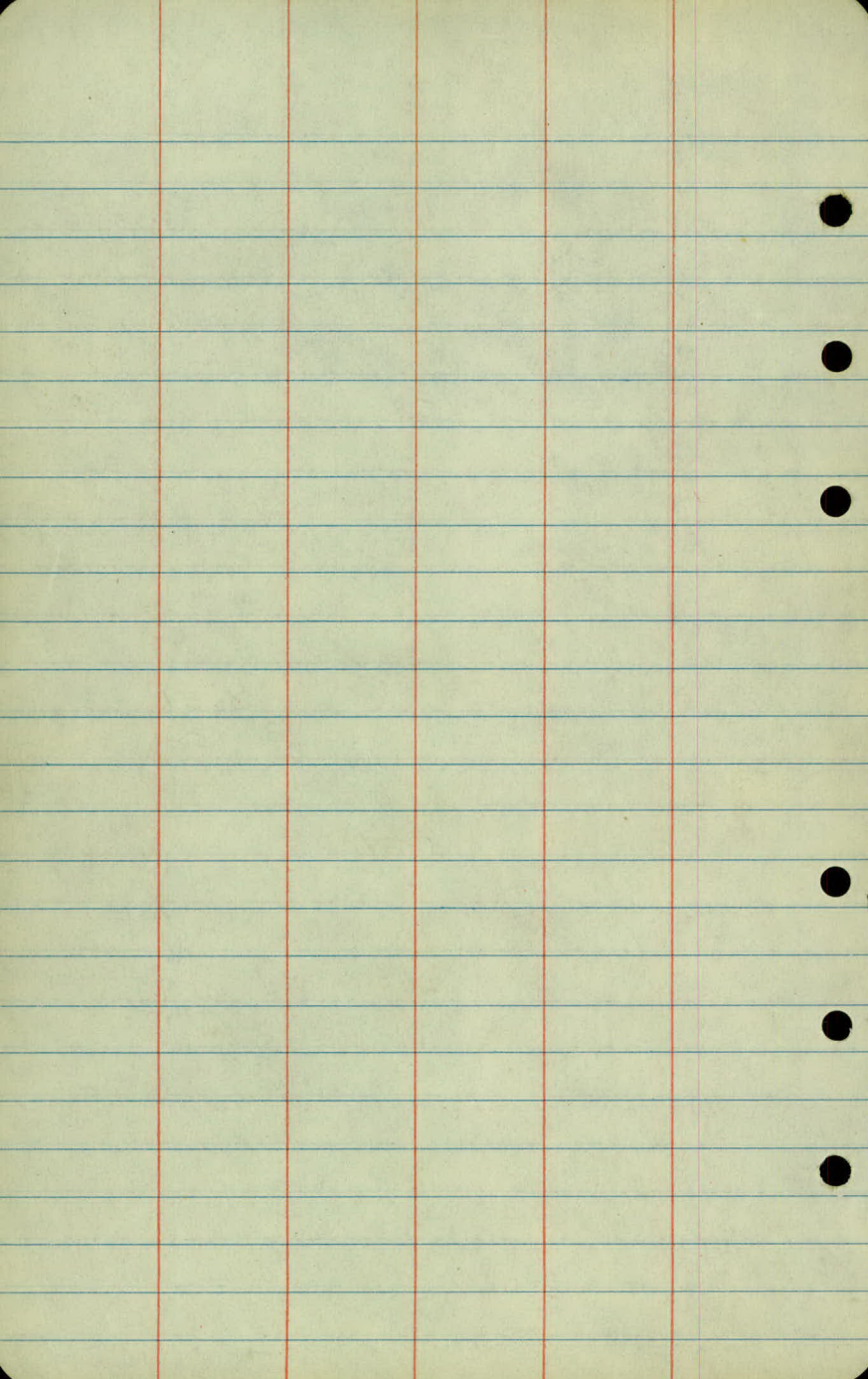
5.31
15

45.72

5.54

45.71

5.55
15



1
Larpenteur

Rice to Jackson

x-sections

4 pages

plotted

Sta	+	π	-	Elev
6+54.07	8.72	854.67		845.93

+60	8.94	854.64		845.70
-----	------	--------	--	--------

854.65

4+50

5.

+35

+51

TP	2.72	851.03	6.34	848.31
----	------	--------	------	--------

+63

+74

+88

Sta + π - Elev
851.03

5+90

+96

6

+96

6

+14

+19

+33

11

8

54

37.4	42.1	46.8	47.7	47.2	47.4	47.6	48.1	48.0	48.0	47.4	46.6	49.7	37.6
13.6	8.9	4.2	3.3	3.8	3.6	3.4	2.9	3.0	3.0	3.6	5.4	11.3	12.4
50	39	30	23	21	14	10		6	13	19	28	38	50

33.05
17.98
FL 36" CM
54'
33.48
17.55
FL 36" CM
54'

32.10
18.93
FL 36" SCD
49'
33.75
17.28
FL 36" CM
49'

38.2	45.4	45.9	47.0	46.8	47.3	47.7	47.5	47.4	46.9	42.8	37.0
12.8	5.6	5.1	4.0	4.2	3.7	3.3	3.5	3.6	4.1	8.2	14.0
50	37	30	24	17	10		7	15	24	33	44

36.2	45.4	45.9	47.0	46.8	47.3	47.7	47.5	47.4	46.9	42.8	36.8
12.8	5.6	5.1	4.0	4.2	3.7	3.3	3.5	3.6	4.1	8.2	14.2
50	36	30	24	17	10		7	15	24	33	44

42.8	42.8	43.9	45.7	45.7	46.2	46.7	47.2	47.1	47.1	46.4	42.6	38.9	38.6
8.2	8.2	7.1	5.3	5.3	4.8	4.3	3.8	3.9	3.9	4.6	8.4	12.1	12.4
50	44	36	30	25	20	11		6	15	25	34	43	50

43.2	44.3	45.4	46.1	46.4	46.6	47.0	47.0	46.9	46.5	42.6	40.0	38.9	38.9
7.8	6.7	5.6	4.9	4.6	4.4	4.0	4.0	4.1	4.5	8.4	11.0	12.1	12.4
50	35	26	20	17	11		7	17	25	33	41	47	50

44.3	45.0	45.9	46.3	46.7	46.7	46.7	45.4	43.4	40.6	39.7
6.7	6.0	5.1	4.7	4.3	4.3	4.3	5.6	7.6	10.4	11.3
50	33	20	11		6	12	25	31	42	50

Sta + π - Elev

851.03

6+48

6+60E. Bai'

5.33 845.70

A

45.2

45.4

45.8

45.9

46.2

46.2

46.0

45.6

44.3

41.3

LT

Ø

RT

5.8
50

5.6
25

5.2
12

5.1
10

4.8

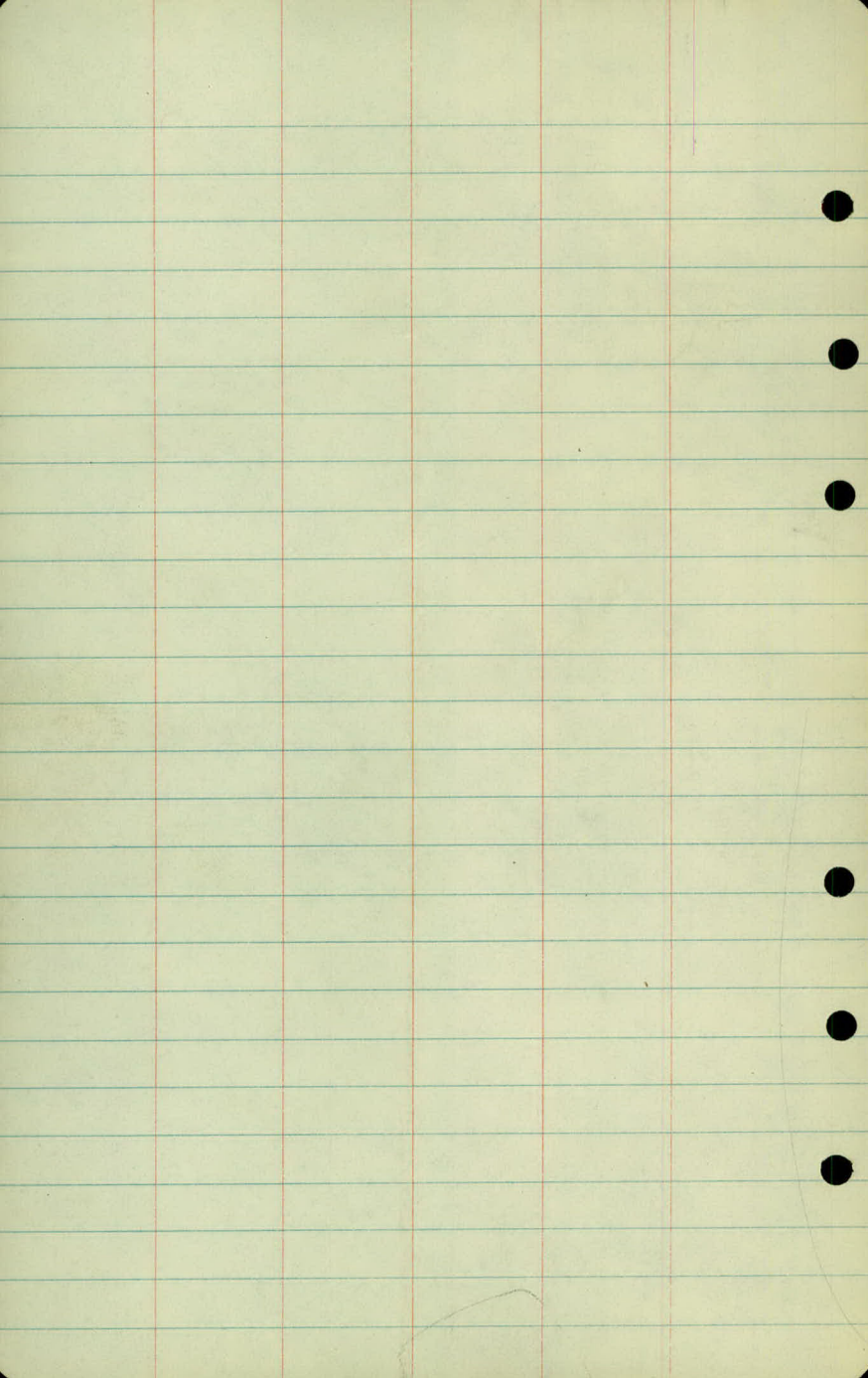
4.8
6

5.0
14

5.4
25

6.7
28

9.7
50



5
1
Larperleur

Rice to Jackson

X-sections

drawn up - May 1953

see 1951 plans

Sta	+	π	-	Elev
BM	3.81	889.02		(885.21)
	3.17	879.20	12.99	876.03

19+63

20

+42

+75

21

+42

+68

14

15

Top NE Cor Bottom Step No 1701 Jackson

72.9 78.0 79.3 ✓
6.3 1.2 1.1
29 17

70.6 76.5 76.9 77.6 ✓
8.6 2.7 2.3 1.6
30 17 8

68.1 75.4 76.0 76.4 ✓
11.1 3.8 3.2 2.8
29 16 8

64.2 66.3 74.5 75.4 75.7 ✓
15.0 12.9 4.7 3.8 3.5
42 30 18 7

62.7 64.9 74.6 74.8 75.1 ✓
16.5 14.3 4.6 4.4 4.1
48 33 18 9

58.5 61.2 74.4 75.0 75.1 ✓
20.4 18.0 4.8 4.2 4.1
53 38 19 9

58.8 61.4 74.8 75.3 75.3 ✓
20.4 17.8 4.4 3.9 3.9
50 36 20 10

Sta + π - Elev

879.20

22

+50

+75

10.01 889.18 0.03 879.17

23

BM

3.97 885.21

		L+			L
			15.1	15.9	16.0
19.8	18.4	4.1	3.3	3.2	✓
60	48	25	10		

	66.0	76.9	77.0	77.4	77.9
19.2	2.3	2.2	1.8	1.3	✓
46	29	22	11		

	68.2	78.0	78.6	79.2
11.0	1.2	0.6	0.0	✓
39	22	10		

	72.4	80.0	80.3	80.8
16.8	9.2	8.9	8.4	✓
30	14	8		

Top NE Cor Bottom Step House 1701 Jackson

