MUNSON TWP.

M. Berry C[illegible] Road

96

FIELD BOOK

307 T

PLEASE RETURN TO
GEAUGA COUNTY ENGINEER
COURT HOUSE
CHARDON, O.
PHONE 250- X

Mulberry Road - No. 39 - Sec. H

Align. - pg. 2-9

X-Sections - pg. 10-26

Slope Stakes - pg. 28-48

Grades - pg. 55-57

Mulberry Rd #39 Sec. H (1955) pg. 60

(96)

B. M. #13, Wilson Mills Road Survey
Nail in N.W. Corner Top Concrete Step;
Frame School House, "Bloody Corners."
El. 1253,965

Mulberry Road, from W. Line of Munson Easterly to Moccasin Falls.

10+00 0°00' Hill Top

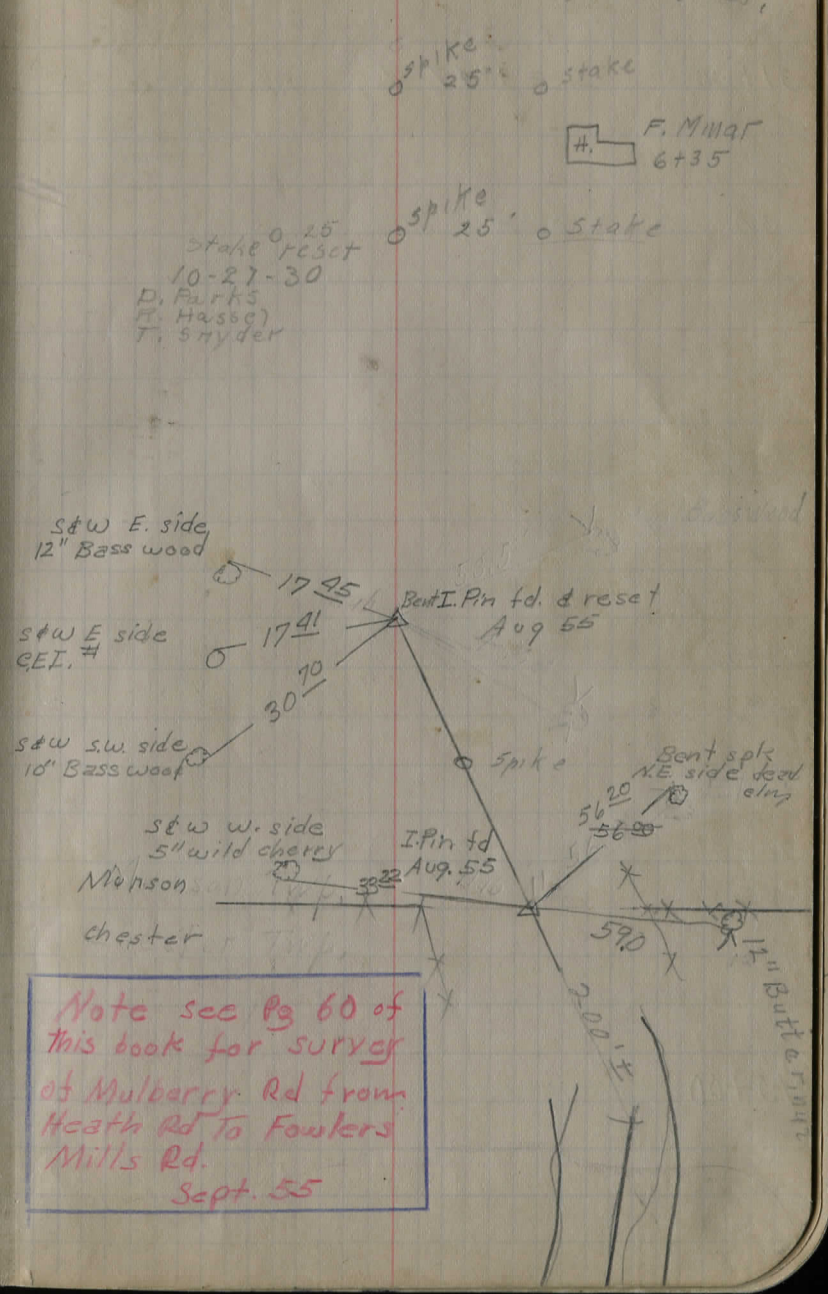
5+00 0° 00'

P.T. 2+11.25 13°00'
2+00 12°16'
1+50 9°01'
P.I. 1+13.00 Δ = 26°00' R.
1+00 5°46' D = 13°00' L = 200.00'
0+50 2°31' T = 101.75 E = 11.8
P.C. 0+11.25

0+00 Chester-Munson Township Line

June 11, 1928, P.M. Fair.

W.C. Marks, D. Parks C. Rand, R. Hassel.



Note see Pg 60 of this book for survey of Mulberry Rd from Heath Rd to Fowlers Mills Rd. Sept. 55

31+00 Δ = 3°47' L, No Curve

30 0°00'

25+00 0°00'

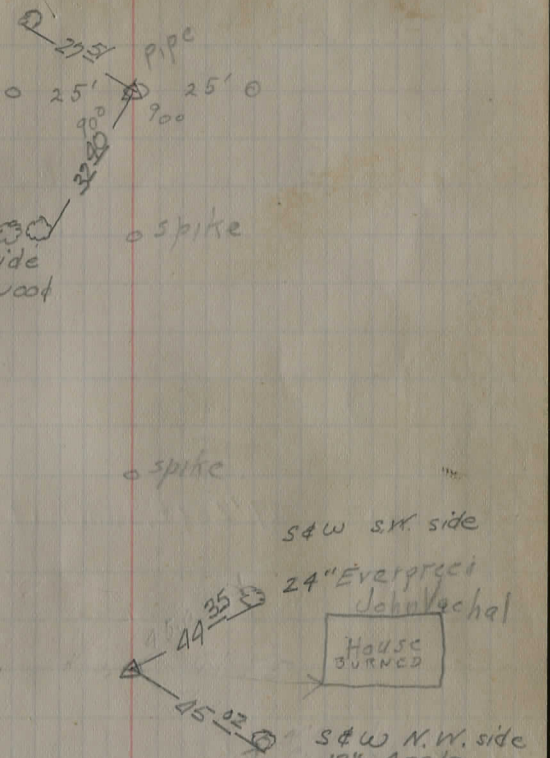
23+50 0°00'

20+00 0°00'

15+00 0°00'

June 12, 1928 Marks - Parks
Fair, Warm Rand - Hassel

S&W W. side
10" Locust



55+00 0°00'

53+00 0°00' Valley

50+00 Δ = 0°29' Left, Summit

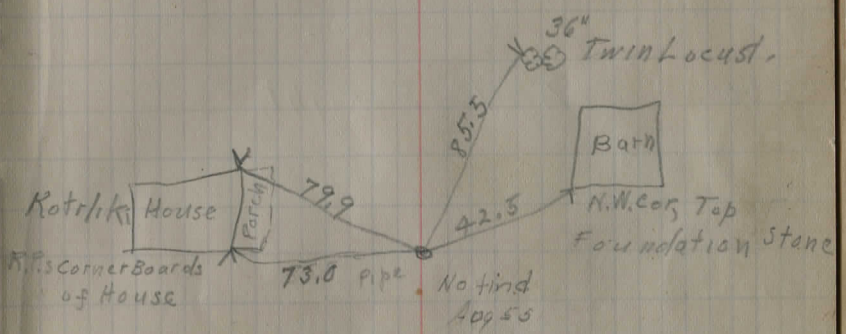
45+00 0°00'

40+00 0°00'

35+00 0°00'

Stake 25' Spike

Spike 25' Stake



25' Spike × 5 Stake

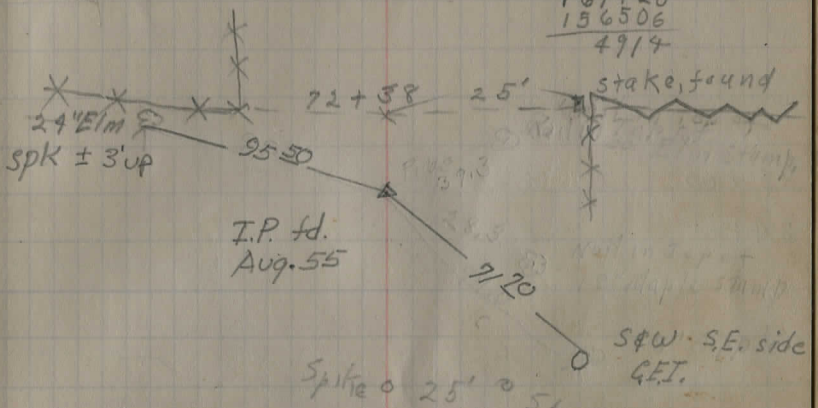
Spike 25' × Stake

Spike 25' × Stake

0.17
3.
1.51

72358
5000.00
2235.80

2235.8) 3.8500 (.00172
22358
161420
156506
4914



Spike ○ 25' ○ Stake

72+00 A = 1° 15' Right

70+00 0°00'

Spike ○ 25' ⊠ Stake

65+00 0°00'

60+00 0°00'

○ Spike
25' ⊠ Stake

58+00 0°00'

Stake
⊠ 25' ○ Spike — Driveway into Field

90+00 0°00'

85+00 0°00'

84+00 0°00'

81+00 Δ = 1°58' Rt.

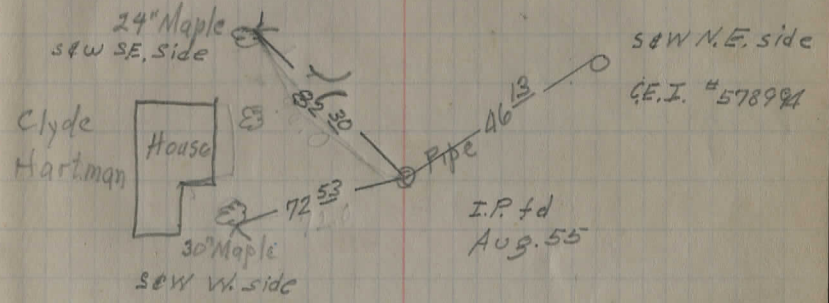
80+00 Δ = 0°00'

75+00 0°00'

0 spike 25' 0 stake

Stake 0 25' 0 spike

Stake 0 25' 0 spike



Stake 0 25' 0 spike

79+11

P. Roseum

C. Hill

Stake 0 25' 0 spike

93+80 P.T.

93+50 = 5°00'

93+40.07 P.I. Δ = 8°00' R.
D = 10° L = 80.0'
T = 40.07 E = 1.4'

93+00 P.C.

98+00
97+00 0°00'

94+00 Δ = 3°00' Right

93+00 Δ = 5°00' Right

spk set
P.O.T. Sept. 2, 55

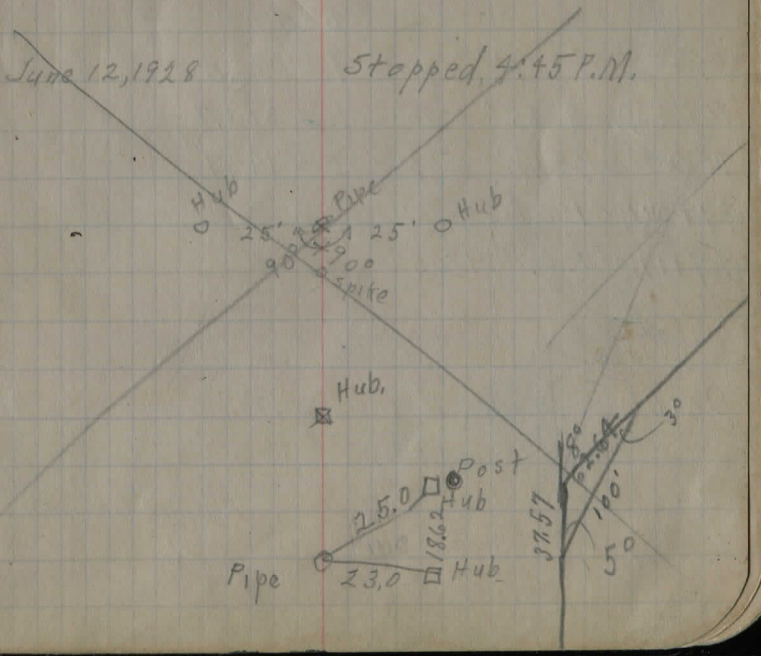
400.00 ft

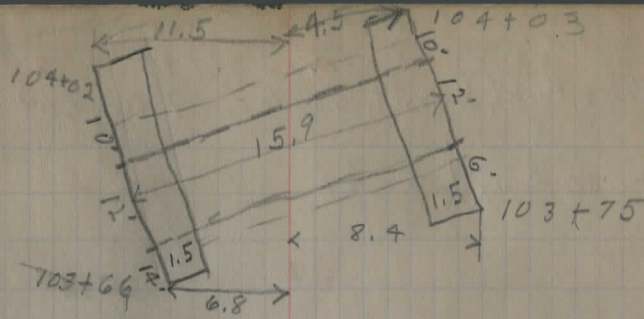
Started, Nov. 20, 1930

spk set
Sept. 2, 55

June 12, 1928

Stopped, 4:45 P.M.

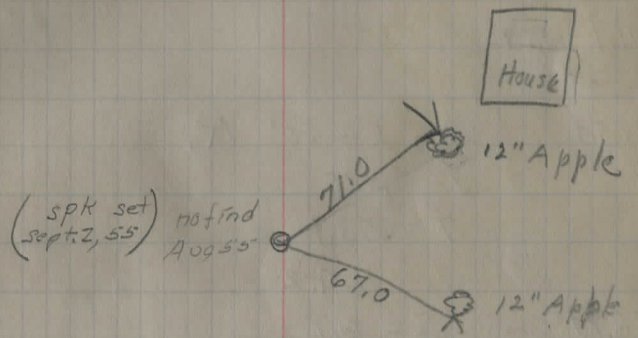


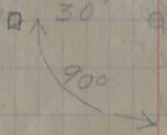


102+27.3 P.T. 10°47½'
102 9°50'
101+50 8°05'
101 6°20'

100+75 P.I. Δ = 21°35' L. Iron Pipe
D = 7°00'
T = 156.0
100+50 4°35" L = 308.3
100 2°50' E = 14.7
99+50 1°05'
99+19.0 P.C.

98+00 Δ = 0°00'





Stopped, Nov. 20, 1930
Marks, Parks, Hassel, Snyder. Fair, 60°

117+67.0 Approx. ℄ Road

115+11.1 P.T.

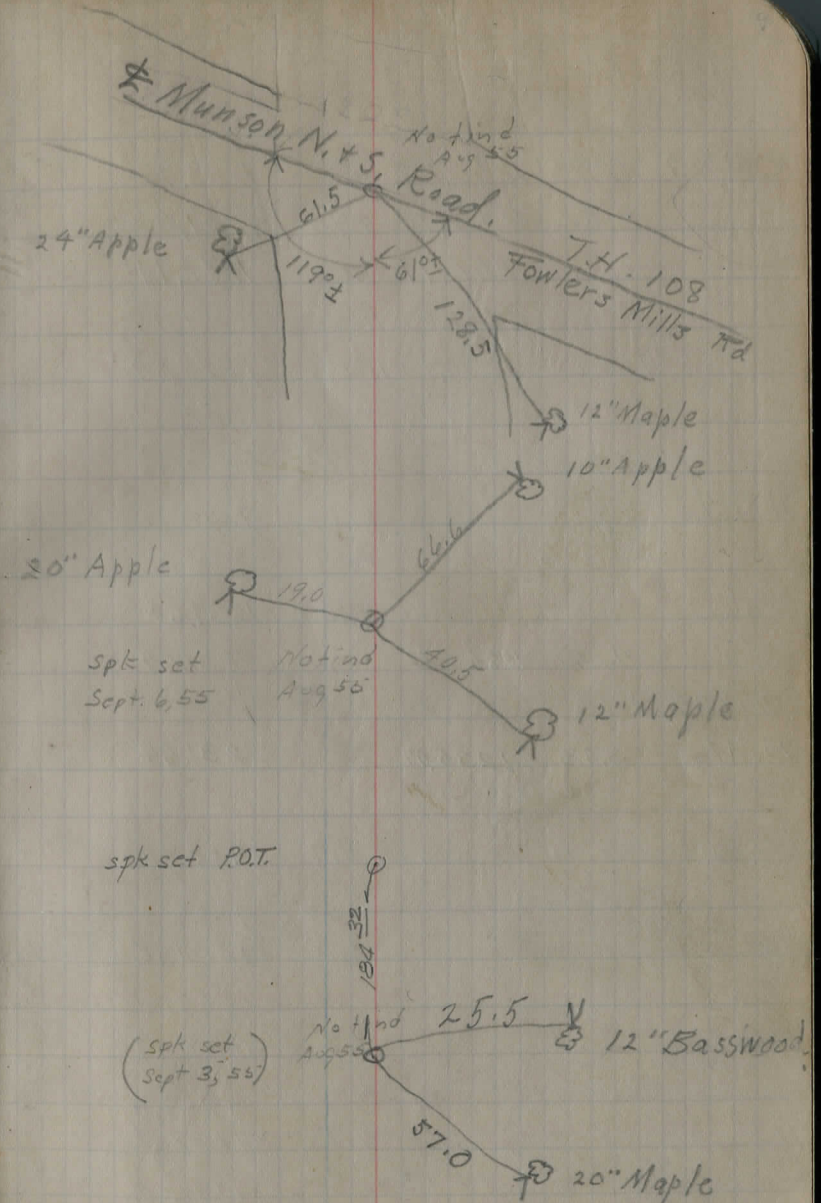
114+50 Δ = 24° 50' R.
D = 20°
T = 63.1
L = 124.2

113+86.9 P.C. E = 6.9

P.T. 109+87.50

109+55 P.I. Δ = 26° 30' L.
D = 40° 00'
T = 33.75

P.C. 109+21.25 L = 66.25
E = 3.9



Levels

MULBERRY Road X SECTIONS

B.M. 13	2.25	1256.22		1253.97
	2.52	1253.78	4.96	1251.26
	10.57	1052.71	11.64	1242.14
	0.58	1241.73	11.56	1241.15
	1.55	1230.44	12.84	1228.89
	4.73	1227.10	8.07	1222.37
	7.27	1231.71	2.66	1224.44
117+67.0			6.1	1225.6
B.M.			0.07	1231.64
	4.22	1235.86		1231.64
117+67.0				
B.M	3.43	1235.07		1231.64
117+20	broken in 8' from S. end 10" V.t pipe culvert		8.7	1226.4 1227.4
117			8.3	1226.8 1227.8
116			7.8	1227.3 1228.3
115			7.9	1227.2 1228.2
114+50			9.1	1226.0
	2.21	1229.65	7.63	1227.44
114			4.9	1224.8

Nov. 21, 1930
D. Parks, R. Hassel, T. Snyder
Fair 55°

Wilsons Mills RD. Survey B.M. (NOW GONE 1952)
Nail in N.W. corner Top conc. step Fr. schoolhouse

North — South

1231.3 1230.2 1228.1 1225.6 1221.8 1218.4 1217.2 1216.5 1216.4 1216.3
0.4/150 1.5/100 3.6/50 6.1/℄ 9.9/50 13.3/100 14.5/150 15.2/200 15.3/250 1?/300

S.W. root 12" Maple 150' N. of intersection

1234.0 1232.9 1232.4
1.9/300 3.0/250 3.5/200

1225.2 1223.4
9.1/30 9.0/30 4.4/25 9.9/14 9.0/14 8.7/13 8.7/℄ 9.7/10 11.5/12 12.0/25 13.9/50 17.2/100
Ditch N. Top of Tabl. Top of Bank F.L. Top of pipe F.L.

5.4/30 5.4/18.5 9.2/13 8.5/10 8.3/℄ 8.8/7 9.5/9.5 8.7/10 10.2/25 11.1/30

4.6/30 6.3/12 8.3/10 7.8/7.5 7.8/℄ 8.1/7.5 9.4/15 13.0/25 14.2/30

5.3/30 6.7/6 8.6/3 7.9/℄ 7.6/5 8.7/14 7.9/15 8.0/20 10.3/30
Fence

6.6/30 7.7/3 9.1/℄ 8.1/9 9.1/18.5 7.8/19 9.1/20 30
Fence

1.6/30 3.9/4 4.9/℄ 4.2/7.5 4.9/17 3.8/18 3.6/21 4.0/30
Fence

		1229.65		
113			7.1	1222.6
112			10.4	1219.3
	5.56	1222.43	12.78	1216.87
111			7.7	1214.7
110+70			10.7	1211.7
	3.97	1214.22	12.18	1210.25
110			10.9	1203.3
	10.19	1211.66	12.75	1201.47
109+55			14.6	1197.1
	2.10	1200.84	12.92	1198.74
109+21.25			7.4	1193.4
B.M.			7.17	1193.67
109			9.8	1191.0
	0.28	1189.19	11.93	1188.71
108			3.4	1185.6
107			10.6	1178.6
	1.19	1178.03	12.35	1176.84
106			2.4	1175.4
105			4.7	1173.3

7.8 6.2 8.0 7.1 — 6.7 7.5 6.4 6.3 6.9
30 6 5 4 — 11 15 16.5 20 30
Fence

6.9 8.6 10.8 10.4 — 9.5 10.3 8.7 8.9
30 5 2.5 4 — 7 15 17 21 30
Fence

3.0 3.5 7.5 8.1 7.8 7.7 — 7.5 8.0 8.9 7.0 8.5
30 10 11.5 6.5 3 4 — 5 13 15 17 20 30
Fence

7.1 5.1 12.9 10.9 10.7 11.0 11.6 8.7 8.9 9.4
30 18 8 3 4 12 14 17.5 25 30

6.5 0.5 11.8 10.9 10.9 — 11.0 5.3 — 5.1
30 23 4.6 9.5 4 — 10 17 20 30
Fence

8.0 0.6 4.1 15.4 14.6 14.6 — 14.4 15.1 9.9 8.8 9.2
35 30 18.5 7 4 4 — 11 13 19 23 30
Fence Fence

0.3 2.3 6.2 8.1 7.4 — 6.8 7.5 6.2 4.1 3.3
30 11 3 2 4 — 16.5 17 19 25 27.80
Fence

N.W. root 24" Maple 30 Rt sta. 109+10

6.6 8.1 7.9 10.6 9.8 8.8 — 8.5 7.6 8.4 8.0 8.8
30 18 6.0 5 2.5 4 1.5 — 15 18 19.5 25 30
Fence

1.8 1.3 0.5 2.3 7.1 4.7 3.6 3.6 — 9.0 7.4 2.6 — 2.3 3.2
30 20 15 10 7 7.5 4 4 — 11.5 12 14 17.5 20 30
Fence Fence

8.8 10.3 12.6 12.6 11.7 10.6 — 10.7 11.5 10.8 10.1
30 17 14 12.5 11 4 — 4 8 9.5 30
Fence

8.7 2.3 3.8 2.6 2.6 — 2.9 2.5 2.4 7.5
30 18 15 12 4 — 7.0 6 9.5 13 30
Fence

5.1 4.7 4.6 5.8 4.8 9.7 — 5.0 2.2 2.3 0.8
30 24.5 15 13 9 4 — 6 15 18.5 30
Fence Fence

		1178.03		
104+75			5.2	1172.8
	3.02	1176.73	4.32	1173.71
104+30			4.8	1171.9
104			4.4	1172.3
103+88	Conc bridge		4.1	1172.6
B.M.			6.73	1171.66
B.M			6.73	1170.00

6.0/30 5.7/24 5.4/15.5 12.5 6.6/10 5.3/8.5 5.2/4 5.5/6 0.1/14 +4.4/22 +4.5/30

5.8/30 [illegible]/24 4.9/15 13 5.9/-11 4.9/8 4.8/4 7.0/22 6.0/30 4.4

Fence

Bottom W.W. Top Wing Wall

Top Wing Wall Bottom W.W.

6.5/30 8.2/24 7.5/21 7.3/15 8.8/14 8.8/11.5 3.9/11.5 4.4/10 4.4/4 4.2/3.5 3.8/5.3 7.9/6.0 8.7/15 10.0/30

Fence

1167.8 1165.2 1165.2 1171.7 1173.6 1172.7 1172.6 1172.7 1173.7 1171.7 1165.3 1164.8 1164.2 1162.0 1160

8.9/50 11.5/25 11.5/9.5 5.0/9.5 3.1/9.5 4.0/8 4.1/4 4.0/5 3.0/7.0 5.0/7.0 11.4/7.0 11.9/25 12.5/100 14.7/150 16.1/200

F.L. Top of opening H.W. H.W. Top of opening F.L.

N. E root 12" Maple 30' Rt. Sta. 103+40

Nov. 22, 1930
D. Parks
R. Hasse
T. Snyder

Cold Wind 40°

N.E. root 12" Maple 30' Rt. Sta. 103+40

B.M	12.00	1182.00		1170.00
103			9.4	1172.6
102+27.3			5.2	1176.8
	11.64	1190.31	3.33	1178.67
102			10.4	1179.9
101+80			7.9	1182.4
101+50			6.1	1184.2
101			4.0	1186.3
101+50			1.4	1188.9
	13.01	1202.45	0.87	1189.44
100			9.8	1192.7
99+50			5.1	1197.4
	12.02	1214.45	0.02	1202.43
99			10.9	1203.6
	8.40	1221.85	1.00	1213.85
98			10.1	1211.8

14.0	10.5	9.4			9.1	9.7	10.6	
30+23	22	13	4		8	23	30	
Increa			Fence					
9.4	8.1	3.9	5.2	6.1	5.7	6.2	3.8	
30	14	4	4	2	3	19	30	
Fence								
18.5	17.5	8.8	10.4	11.1	10.7	11.6	11.3	7.4	7.6
30	28	4	4	1	2	16	20	30	33
16.6	8.3	5.5	3.9	7.1	7.9	9.1	8.3	8.2	5.3	5.9
33	27	20	13	12	2	4	18	18.6	21	25	30
Fence										
3.5		4.9	5.4	6.1	6.1				6.3	5.4
30	16	14	2	1	4				18.5	30
Fence										
6.0	5.8	4.1	4.0	4.2	3.9	6.4	7.2			
30	15	5	4	7.5	9	14.5	30			
Fence										
2.6	3.2	1.6	1.4		1.6	3.7	3.3	4.1		
30	17	11.5	4		4	9	10	30		
Fence										
11.9	11.8	10.0	9.6	9.8	10.1	11.4	9.2	9.9	9.8	9.4
30	18	14	3	4	2	3	4	11	25	30
Fence										
7.5	6.5	5.7	5.1		5.1	6.1	4.1	2.9	0.2	
30	21	17	℄		3	6	7	16	30	
5.4		8.3	12.1	14.6	10.9	11.2	12.0	7.8	4.4	3.9
30	22	15	10	8.5	4	3.5	8	12	29	30
Fence										
4.8	5.3	10.1	10.5	10.1	10.3	12.3	10.0	9.4	5.3	5.6
30	17	10	4	℄	11.5	16	18	20	25	30

		1221.85		
97+25			6.7	1215.2
97			6.1	1215.8
	6.91	1222.10	6.64	1215.19
96			6.6	1215.5
95			7.6	1214.5
94+75	14" RCP pipe		7.8	1214.3
94			6.5	1215.6
93			4.5	1217.6
92			4.3	1217.8
B.M.			3.81	1218.29
91			5.4	1216.7
	7.91	1223.12	6.89	1215.21
90+85	12" CMP pipe		6.9	1216.2
90			5.7	1217.4
89+15				

5.8/30 4.3/26 5.8/10 7.6/7 7.1/5 6.1/4 7.1/12 7.7/14 6.3/17 5.4/30

6.2/30 6.7/10 7.5/8 6.8/6.5 6.1/4 6.1/5 6.6/11 7.5/12 6.6/13 5.9/30

6.9/30 7.1/10 8.1/9 7.3/7 7.3/5 6.6/4 6.6/5 7.7/11 7.9/12 7.4/13 6.6/30

9.1/30 8.8/8 8.2/6 7.6/4 7.8/9 9.3/13 8.6/14 8.8/30

1213.8 1213.4 1212.4 1213.5 1214.1 1214.3 1213.9 1212.9 1212.3 1211.9 1210.8 1209.9

8.3/100 8.7/50 9.7 8.6 8.0 7.8 8.2 9.2/8 9.8 10.2 11.3 11.2

6.5 F.L. 7.0 6.5 F.L. 8.5 7.0 8.5 F.L. 15 50 100

1208.9 + 13.2 = 1222.1/150

5.9/30 6.7/13 7.3/11 6.5/4 6.8/4 7.4/7 6.3/9 6.0/30

4.3/30 4.6/10 4.9/8 4.5/4 5.2/8 7.8/8 5.1/30

4.1/30 4.8/11 5.3/14 4.3/8.5 4.3/4 4.9/7 4.0/30

N. root 24" Evergreen 30' Rt. Sta. 91+75

1217.2 1216.3 1213.1 1213.9 1215.1 1216.4 1216.2 1216.0 1214.0 1213.1 1212.0 1208.3 1205.4

5.3/30 5.6 5.7 6.6/8 6.1/10 6.9/30

5.9/100 6.2/75 6.0 12.5 F.L. 9.2 10.5 F.L. 8.1 14.5 6.7/7 6.9/4 7.1/6 9.1/10 10.0/11 11.1/11 F.L. 14.8/50 12.7/100

T.O. 7.0

4.5/30 5.0/14 6.8/11 5.7/9 5.7/4 6.1/7.5 6.5/6.5 5.8/8 6.3/30

		1223.12		
89+15	15" W.T. pipe		4.9	1218.2
89			4.7	1218.4
	9.61	1229.29	3.44	1219.68
88+70			10.4	1218.9
88+60			9.7	1219.6
88			8.7	1220.6
87			5.7	1223.6
86			3.0	1226.3
	12.23	1241.32	0.20	1229.09
85			11.3	1230.0
84			7.8	1233.5
83			2.5	1238.8
	12.80	1254.09	0.03	1241.29
	12.03	1261.86	4.26	1249.83
82			13.3	1248.6
F.M			0.04	1261.82

1216.8 1216.3 1214.4 1215.6 1217.1 1217.8 1218.2 1218.2 1214.3 1213.2 1212.2 1207.1 /5 1201.1

6.3/10.0 6.8/30 8.7/18.5 7.5/15.5 F.L. T.of O. 6.1/16.5 5.3/15 4.1/9 4.9/2.5 8.8/10 9.9/11 10.7/17 16.0/30 23.0/100 T. of R. F.L.

5.8/30 5.7/20 5.2/18 4.2 4.7/11 4.7/9 4.7/2 9.7/17 10.5/19 10.5/30

9.8/30 10.3/18 10.8/15 10.0/5 10.4/4 11.1/11 10.5/30

7.0/30 8.2/25 10.1/21 9.8/16 10.6/13.5 9.7/11.5 10.5/11 8.9/18 9.1/30

4.6/35 8.5/21.17 9.6/15 8.7/N 8.7/4 9.0/4 9.7/6 6.8/10 7.3/30

4.5/30 4.5/20 6.8/15.5 6.0/13 5.7/4 6.1/4 6.9/7 5.4/10 6.4/30

2.2/30 1.7/18 3.7/17 2.8/13.5 3.0/4 3.2/5 3.6/15 2.5/7 3.8/30

11.1/30 11.1/16 12.8/15 12.2/12.5 11.3/4 11.8/6 12.7/8 11.3/10 12.9/30

5.9/30 7.3/18 9.2/15 8.1/13.5 7.8/4 8.1/5.5 8.3/9 7.8/11 8.5/30

0.4/30 1.5/19 4.0/15.5 2.7/13.5 2.5/4 2.8/5 1.3/8 0.8/10 0.5/30

7.0/30 8.3/20 11.4/17 14.2/12 13.7/10.5 13.3/4 13.1/7 13.8/9 7.2/14.5 8.0/30

S.W. root 30" Maple 70 Lt. Sta. 81+40.

		1261.86		
81			4.9	1257.0
80			0.9	1261.0
	10.85	1272.02	0.69	1261.17
79			8.7	1263.3
78			6.2	1265.8
77			2.4	1269.6
T.P.			2.33	1269.69

1.7/30 3.2/15 6.8/10 5.7/8 4.9/4 5.4/10 5.9/12 3.0/17 3.1/30

+0.3/30 0.0/17 2.5/15 1.7/11 0.9/7 1.2/9.5 2.3/6.5 0.7/8 2.9/30

9.8/30 8.1/20 8.7/17 9.5/15 8.8/13.5 8.7/4 8.8/4 12.2/30

3.4/30 4.7/19 5.9/16 6.9/13 6.2/7 6.5/5 7.1/7 6.4/9 7.2/30

+1.1/30 +0.8/15 3.3/12.5 2.9/11 2.4/4 3.0/6 3.9/9 1.3/11 4.0/25 1.0/30

⊗ on large rock 15' Rt sta 77+30

Nov. 24. 1934
D. Parks
R. Hausso)
T. Snyder

Showers & snow in afternoon

8 on large rock 15' Rt. sta. 77+30

T.P.	12.63	1282.32		1269.69
76			7.4	1274.9
	10.32	1290.80	1.84	1280.48
75			11.4	1279.4
74			5.5	1285.3
	8.07	1298.48	0.39	1290.41
73			8.1	1290.4
72			4.8	1293.7
71			3.8	1294.7
70			4.6	1293.9
69+80	culvert		4.8	1293.7
69			4.8	1293.7
	3.81	1298.00	4.29	1294.19
68			4.4	1293.6
67			4.3	1293.7
B.M.			3.15	1294.85

Reverse this Section.

5.6/30 6.4/16 8.0/14.5 7.8/13 7.4/4 — 7.6/5 7.9/7.5 7.1/9 8.4/30
Fence

6.5/30 8.0/18.5 12.4/14.5 11.7/12 11.4/4 — 11.7/4 12.2/5.5 9.2/9 9.5/30
Fence

2.1/30 4.9/24 6.4/14.5 5.7/11.5 5.1/4 5.5/4 — 6.2/6 4.1/7 4.2/30

5.0/30 6.7/28 9.7/19 8.1/13 — 9.1/8 6.8/10 7.5/30
Fence

3.9/36 9.5/11 5.8/9 5.4/8.5 4.8/4 5.3/8.5 6.1/12 5.1/13 5.5/18.5 4.8/30

2.6/30 3.7/2.5 Grapes 5.2/9 4.4/7 3.8/6 4.2/11 5.6/13.5 4.5/15 4.8/27 30
Fence

3.9/30 3.9/25 4.8/8.5 6.1/7 5.5/6 4.6/4 — 4.3/3.5 5.1/11.5 5.8/13.5 5.2/15 6.1/28.5 30
Fence

1283.2 1286.4 Grapes 1289.9 1291.55 1292.0 1292.8 1293.2 1293.7 1293.4 1292.8 1292.3 1292.3 1293.7 1294.2
15.3/150 12.1/100 8.6/30 2.0/25 6.5/13 5.7/13 5.2/12 4.8/4 5.1/2.5 5.7/3 T.P. 6.2/3 F.L. 6.2/8 4.8/8.5 4.3/30
F.L. T.P.

3.6/30 3.4/25 Grapes 4.7/8 5.7/6 5.1/4 4.8/4 — .5.2/14 6.5/16 5.0/17 4.9/28.5 30
Fence

4.9/30 4.8/24 Grapes 5.7/8 4.9/6.5 4.4/5 3.8/4 4.7/6.5 5.7/13.5 4.7/16 4.7/17 20 — 4.1/29 30
Fence

5.5/30 4.8/25 Grapes 5.6/7 4.8/5 4.3/4 — 3.9/6 4.4/14 5.1/15 4.4/16 3.8/30

Two spikes
N. root 24" Ash 27' Rt. Sta. 66+98

		1278.00		
66			3.6	1294.4
65			4.9	1293.1
64			8.5	1289.5
63			12.1	1285.9
	1.24	1286.86	12.38	1285.62
62			6.0	1280.9
61			12.9	1274.0
	0.01	1274.93	11.94	1274.92
60			8.0	1266.9
B.M			3.54	1271.39
59			13.4	1261.5
	0.96	1262.98	12.91	1262.02
58			8.0	1255.0
	5.21	1255.48	12.71	1250.27
57			8.9	1246.6
	2.72	1245.38	12.82	1242.66
56			10.7	1234.6
	3.87	1236.47	12.78	1232.60
55			14.9	1221.6

3.6 3.6 3.7 4.9 4.1 3.6 3.1 3.6 4.5 3.0 2.7
30 24 6 5 3 ℄ 6 15 16.5 19 30

Fence Grapes

5.0 4.7 5.9 4.9 4.4 5.1 5.6 4.0 3.0
30 7 5 ℄ 5 14 15 18 30

8.8 8.6 9.8 9.3 8.5 8.0 8.3 9.8 7.3 5.8
30 7 5.5 4.5 ℄ 5 12.5 13.5 19 30

12.3 12.7 13.1 12.7 12.1 11.9 12.2 10.4 8.8
30 7 5.5 4 ℄ 13.5 16 20 30

4.6 5.0 7.6 6.9 6.0 6.4 6.8 4.7 2.6
35 30 8.5 6.5 5 ℄ 11 13.5 15 30

Fence

9.6 10.7 14.6 13.9 12.9 13.4 14.2 14.6 10.1 9.2 7.9
30 13.5 10 9 ℄ 8 10 13.5 18 20 30

7.3 6.9 7.5 9.7 8.4 8.0 8.5 9.2 7.3 4.8 3.7
30 25 16 14 12 ℄ 7 8 11 15 30

Bent spike
A N. E. root 36" Maple 20' Rt. Sta. 60+05

12.3 12.8 12.3 14.7 14.2 13.0 13.4 13.6 14.7 13.1 10.9 10.4
30 27 17 16-15 14 4 ℄ 4 8 9 16 30

4.8 5.2 8.8 9.8 7.1 8.0 8.0 8.3 5.9 4.2 3.4
30 22 14-17 15 7.5 ℄ 1 6 7 18 30

2.5 3.5 10.1 9.4 8.9 8.9 10.2 4.5 2.6 2.4
30 20 15 13 ℄ 3.5 7.5 13-18 22 30

2.5 4.4 9.2 11.4 10.6 10.7 11.0 11.8 5.5 4.8 2.9 0.6
30 19 14 13 11 ℄ 5 8-10 15 17.5 21 30

6.2 6.2 7.5 10.6 15.2 14.9 14.9 15.5 7.6 2.2
30 25 20 13 10 ℄ 5 7-10 17 30

Fence

		1236.47		
	1.26	1225.46	12.27	1224.20
54				
	0.20	1212.71	12.95	1212.51
54			3.6	1209.1
	1.83	1202.29	12.25	1200.46
53			2.6	1199.7
52			5.2	1197.1
51+90			5.0	1197.3
	10.96	1213.17	0.08	1202.21
B.M.			10.49	1202.68
51			10.7	1202.5
	5.44	1218.43	0.18	1212.99
50			4.0	1212.4
49			11.3	1207.1
T.P.			12.98	1205.45

10.6 11.6 11.6 12.9 16.17 10.6 5.9
30 27 23 15 ℄ 20 30

Fence

5.4 4.3 3.6 4.2 5.4 3.9
17 10 9 ℄ 8 12 16.5

4.0 3.7 2.8 3.3 2.7 2.6 3.1 4.1 3.5 3.2 1.0
30 23 17 13 11 ℄ 6 10 13.5 21 30

Fence

7.8 7.3 7.7 5.2 5.2 5.3 8.6 8.9 10.3
30 19 16 9 ℄ 6 13 25 30

Fence 1191.8 1192.1 1193.2 1197.1 1197.3 1196.8 1192.0 1191.2 1191.0 1189.7 1188.8
10.5 10.5 10.2 10.3 9.1 5.2 5.0 5.5 10.3 11.1 11.3 12.6 13.5
10 30 11.5 11.5 7.5 ℄ 7.5 9 9 25 30 30 120
135 11.2 F.L. T.of C. T.of C. F.L. 15.0 16.4 ℄ 1859
250 260 7.50 200
Ford

N. root 30" locust 27' Rt. Sta 51+00

6.6 8.6 11.2 10.7 11.4 12.2 10.4 10.9 11.5
30 12 8 ℄ 7 10 13 25 30

2.6 4.8 6.1 6.8 6.5 4.9 4.3
30 13 9 ℄ 10 7.5 30

8.8 10.0 12.3 11.0 11.3 11.8 12.1 10.1 8.7
30 18.5 14 5 ℄ 3.5 6 9 30

N. side Tel. pole Rt. Sta 48+60

T.P.	0.37	1205.82 ✓		1205.45 ✓	
48			6.7	1199.1	
47			16.7	1089.1	
	0.20	1193.77 ✓	12.25	1193.57 ✓	
46+55			9.0	1184.8	
	1.40	1182.40 ✓	12.77	1181.00 ✓	
46			5.9	1176.5	
	0.88	1170.26 ✓	13.02	1169.38 ✓	
45			3.3	1167.0	2.2/30 1.7/...
44			11.5	1158.8	11.1/30
	0.34	1158.40 ✓	12.20	1158.06 ✓	
43+45			3.8	1154.6	
43			8.4	1150.0	
42+70			11.2	1147.2	Reverse this section
42+16			12.5	1145.9	
	1.39	1146.72 ✓	13.07	1145.33 ✓	
42			7.0	1139.7	
	1.58	1135.62 ✓	12.68	1134.04 ✓	
41			6.3	1129.3	

Dec. 15 1930
D. Parks
H. Barton
S. Meritt

Cloudy
Cold. 28°

N. side tel. pole Rt. sta. 48+60

3.6/30 4.6/27 4.1/18 7.2/16 6.7/14 6.7/℄ 7.1/6 4.6/10 3.2/25 3.3/30

12.4/30 12.9/18 17.3/14 17.0/12.5 16.7/℄ 16.7/3 17.9/5 14.8/8 13.2/19 14.1/30

3.9/30 5.0/18 9.9/13 9.4/11.5 9.0/℄ 9.1/4 9.9/6 7.7/8 6.0/12.5 6.3/30

0.7/30 0.4/25 1.8/22 2.9/12.5 6.2/9.5 6.0/7.5 5.9/℄ 5.7/5.5 6.1/7 2.4/10.5 1.7/16 1.0/22 1.2/30

—/20 1.3/19.5 2.0/17 2.2/15 5.1/11.5 4.0/9.5 3.3/℄ 3.4/7 4.0/9 1.6/12 0.8/21 1.5/30
Grape

11.1/23 —/19 11.2/17.5 12.1/13.5 12.8/12 13.1/11 11.5/℄ 11.8/5 12.6/8 10.9/10 11.8/18 12.9/30
Grapes

1.3/30 1.8/16.5 5.0/13.5 3.9/11 3.8/℄ 3.8/5 4.9/7 2.4/9.5 5.5/30

1.9/30 4.3/19 9.1/12.5 8.5/11 8.4/℄ 8.6/5 9.1/7 5.6/9 8.2/30

8.9/30 7.4/11 11.9/6 11.5/4 11.2/℄ 11.5/11.5 12.3/13.5 4.1/22 3.5/30

4.6/30 5.3/23.5 13.6/13.5 13.1/11 12.5/℄ 12.4/6 12.8/8 12.1/9 11.6/16 11.8/30

0.7/30 0.9/22.5 7.8/15.5 7.1/11 7.0/9 7.4/6 4.3/13.5 3.0/30 2.6/12

House

2.6/30 1.7/23 6.7/16.5 7.1/14.5 6.8/13 6.3/℄ 6.0/5 7.3/8 4.9/10.5 3.0/21 9/25 row 30

		1135.62		
B.M	0.08	1131.80	3.90	1131.72
40			12.9	1118.9
	0.77	1119.62	12.95	1118.85
39			10.8	1108.8
	0.16	1107.21	12.57	1107.05
38			5.7	1101.5
37+85			6.8	1100.4
	0.44	1095.17	12.48	1094.73
37			2.5	1092.7
36			8.3	1086.9
35			12.2	1083.0
	2.85	1086.46	11.56	1083.61
34	2 x 3 stone slab, drexy poor condition		4.9	1081.6
34	Earth work			
33+80			4.9	1081.6
	6.95	1091.59	1.82	1084.64
33+50			9.4	1082.2

1071.3 15.0/100

N. root 36" Elm 25' Rt. sta. 40+85

10.2/30 10.1/21 10.8/17 14.7/13 13.4/11 12.9/¢ 13.1/6 14.3/8 11.2/11 9.6/25 9.7/30
row trees

8.5/30 8.3/27 8.5/17 12.1/14 11.7/12 10.8/¢ 11.0/7 11.9/10 9.1/13 7.9/18 7.9/24 6.5/27.5 [illegible]/30
row

3.2/30 4.1/16 7.9/13 6.4/10 5.7/¢ 6.1/9 7.2/11 3.6/16 3.2/24 2.2/30

5.1/30 5.0/20 5.5/17 9.4/13.5 7.6/10 6.8/¢ 7.2/10 8.5/11 4.4/15 4.1/22 3.0/27 3.0/30

+0.3/30 +0.3/18 0.9/12.5 3.7/9.5-8.5 2.9/5 2.5/¢ 2.7/9 3.6/12-13 0.8/15 0.3/23 +0.7/27 +0.7/30

6.6/30 6.5/16 7.5/12 8.1/7 9.4/6-5 8.6/3 8.3/¢ 7.9/5.5 8.5/13 9.2/13.5-14.5 8.2/16 6.7/25 6.8/30
Fence row

14.7/30 14.2/21 12.6/9 13.0/6 12.2/¢ 11.8/7 11.8/12 12.5/13 11.8/15 12.1/20 12.4/25 12/30
Fence row

1073.0 1073.8 1077.0 1079.1 1081.0 1081.9 1081.6 1080.8 1079.1 1077.1 1074.6 1075.4 1076.0
+13.5/50 [illegible] Rt. T. do. 9.5/16 7.4/14 5.5/5 4.6/5 4.9/¢ 5.7/5 7.4/9 9.4/9 11.9/9 11.1/9.5 10.5/50 9.4/100
T. of H.W. T. of H.W. T. of Bk. Bt. Rt. 4

10.9/30 9.8/18 10.1/12 9.5/25 9.5/30

6.4/30 5.6/26 5.8/19 5.7/14 5.1/12 4.9/¢ 5.4/3 6.3/6-7 8.4/15 9.3/27 9.3/30
Fence row Fence row

7.7/30 6.4/26.5 6.8/22 8.5/16 10.6/14 9.6/12 9.4/¢ 10.0/3 10.4/5 8.8/6 3.6/16 3.7/30
Fence row Fence row

1091.59 ✓

33		5.9	1085.7
32		4.1	1087.5
	2.03 1089.64 ✓	3.98	1087.61 ✓
31.		4.2	1085.4
30+35	12" cast iron pipe	4.7	1084.9
30		4.6	1085.0
B.M.		6.04	1083.60 ✓

4.6 4.1 4.9 5.2 7.3 6.4 5.9 6.7 7.1 4.9 3.8 2.1 6.5 6.3
30 25 21 18 14 13 11 ℄ 5 6 8.5 15 21 25 30
Fence row — Fence row

9.9 6.9 5.2 5.7 5.8 4.1 4.5 5.7 4.5 2.3 2.7
30 21.5 12.5 12 10 ℄ 5 7 9 24 30
Fence row — Fence row

11.7 10.2 8.6 7.4 4.8 4.2 4.4 5.6 4.7 4.5 1.4 0.9 0.3
35 30 20 13 6 ℄ 7.3 9.5 11 16 20 25 30
Fence row — Fence row

1071.1 1075.1 1080.4 1081.2 1082.3 1084.4 1084.9 1084.6 1083.5 1083.0 1084.2 1086.5 1088.0 1088.1
18.5 14.5 9.2 8.4 7.3 5.2 ℄ 4.7 5.0 6.1 6.6 5.4 3.1 1.6 1.5
30 24 17 F.L. 11 8 ℄ 5 8 8 11 16 22 30
Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row

8.3 5.9 5.1 4.6 4.8 5.8 4.5 4.3 1.1 1.0
30 19 11.5 ℄ 3 5.5 6.5 7.5 19 25 30
Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row — Fence row

Left
S. root 30" Maple 25 Rt.? Sta. 29+75

B.M.	7.81	1091.41		1083.60
29			5.4	1086.0
28			5.2	1086.2
27			4.4	1087.0
	8.40	1097.14	2.67	1088.74
26			9.0	1088.1
25			6.9	1090.2
	5.10	1101.19	1.05	1096.09
24			6.4	1094.8
23+65			4.8	1096.4
23			5.3	1095.9
22			8.8	1092.4
	0.54	1089.00	12.73	1088.46
21			3.8	1085.2
20			8.3	1080.7
B.M.			9.19	1079.81

Dec. 22, 1930
D. Parks
H. Barton
S. Merritt

23

Cloudy cold 28°

B.M. Spike S. root 30" Maple 25' Lft sta. 29+75

8.8 7.9 6.1 6.8 5.2 5.2 5.4 5.7 6.6 5.1 5.2 3.2 2.4 1.6
30 22 15.5 13.5 12.5 7 4 2.5 4-5 6 11 19 25 30
Fence

9.8 9.1 5.8 4.8 5.2 5.4 6.5 5.7 5.4 3.5 2.0
30 23 12 5.5 4 2 3 7 12 20 Fence 30
Fence

8.7 5.4 5.7 5.0 4.3 4.7 4.7 5.1 4.9 4.7 3.0 2.6 2.1
30 31 5 13 11 5 4 2 4 5 11 20 28 30
Fence Fence Fence

11.3 9.5 9.8 9.5 8.5 9.0 9.8 9.6 8.0 8.0 4.3 3.4
30 27 17 15.5 14 7 4 1.5 2.5 3.5 4 11 22 30
Fence Fence Fence

6.1 5.6 7.9 6.6 6.1 6.9 7.2 5.8 2.1 0.8
30 17.5 16.5 13.5 13.5 7-4 4 2.5 3.6 13 30

6.1 5.3 7.1 6.5 6.0 6.4 6.1 4.7 3.3 2.3
30 17 15 14 7 4 4 6 9 30
Fence

5.7 7.9 6.1 5.7 4.7 4.8 5.0 3.5 2.7
30 17 15 13.5 8-6 4 2.5 3.5 5 30

5.0 4.8 6.2 5.6 4.8 5.3 5.7 6.7 4.9 4.7 5.0
30 16 14 12 7-5 4 3.5 5 7 15 30

6.0 7.0 7.8 8.3 8.8 9.7 10.2 7.5 6.9 7.8
30 13 10 8 4 7 8 10 14 30

+1.3 0.8 4.3 4.1 3.8 4.3 5.0 2.9 1.0 1.1
30 14 8 7 4 8 9 10.5 15.5 30

6.1 8.1 9.6 8.8 8.3 8.8 9.6 8.7 10.8
30 9.5 7.5 5.5 4 8 10-11 11.5 23 30
Fences

Bent spike
N. side 15" Walnut 25' Rt, sta. 20+15

		1089.00 ✓		
19			10.9	1078.1
	3,75	1081,73 ✓	11.02	1077.98
18+45	12" Corr. Pipe Inlet of pipe Plugged Completely		4.2	1077.5
18			4.6	1077.1
	2,43	1079,80 ✓	4.36	1077,37
17			3.7	1076.1
16			7.5	1072.3
15			8.7	1071.1
14+70	18" Cast iron pipe		8.6	1071.2
14+70	continued on left side			
14			8.8	1071.0
13			8.5	1071.3
12+50		✓	7.7	1072.1
	11.53	1084.39	6.94	1072.86
12			11.1	1073.3
11			6.2	1078.2

9.2 10.8 11.8 11.2 10.9 10.6 11.4 12.5 11.9 14.8
30 8.5 6 5 3 10 12 14 30

1080.8 1078.8 1077.5 1076.5 1077.0 1077.2 1077.5 1077.8 1077.2 1076.8 1076.3 1075.7 1075.4 1074.3 1070.9
0.9 2.9 4.2 5.2 4.7 4.5 4.2 3.2 4.5 4.9 5.2 6.0 6.3 7.4 10.8
30 30 8 6.5 5 2 4 3.5 11 11.5 12 12 20 30 75

Ditch. End of Grade. Ground. Top of F.L.

2.3 4.1 5.5 4.9 4.6 4.3 5.1 5.9 5.4 7.2
30 7.5 6 4.5 4 4 11 12.5 13.5 30

10.8 0.2 1.3 4.7 4.1 3.7 3.2 3.8 4.8 3.3 3.7 4.1
30 20 10 5.5 3.5 4 5 11.5 13.5 15 25 30

3.5 5.5 6.9 8.2 7.7 7.5 7.3 8.3 9.8 12.1
30 20 8 6.5 4 4 3.5 10.5 14 30

5.6 8.7 9.6 8.8 8.7 8.7 9.4 10.9 12.8
30 8 7.5 4 4 4 10 16 30

1070.8 1070.5 1069.7 1069.5 1070.3 1070.9 1071.2 1071.3 1070.2 1069.7 1068.9 1068.2 1063.9
9.0 9.3 10.1 10.3 9.5 8.9 8.6 8.5 9.6 10.1 10.9 11.6 15.9
17 9 7.5 4.5 3.5 4.5 4 4 11.5 11.5 11.5 24 50

Top of F.L. Ground. Top of F.L. Ground. Top of F.L.

1075.3 1074.4 1073.3 1071.1
4.5 5.7 6.5 8.1
50 34 29 28

from well

6.7 7.4 8.3 8.8 8.7 9.3 10.1 10.8
30 27 20 4 4 11 17 30

8.1 8.3 9.6 8.9 8.5 8.8 10.9 12.4
30 5.5 4 3 4 12 16 30

6.5 8.1 8.6 8.1 7.7 7.8 8.4 8.4 8.3
30 5.5 4 3 4 13 16 25 30

10.3 11.3 11.7 11.3 11.1 10.8 11.4 11.8 11.6 12.7
30 7 6 3 4 4 10 12.5 13.5 14.5 30

4.4 5.3 6.1 7.2 6.7 6.2 6.3 7.5 9.6 3.3 2.4 1.7
30 14 9 7.5 7 4 7.5 9 11 15 25 30

		1084.39		
	5.49	1088.61	1.27	1083.12
B.M.			3.57	1085.04
10+50			5.9	1082.7
10			3.5	1085.1
9+45			5.4	1083.2
9			8.6	1080.0
8+40			12.1	1076.5
8	2.64	1078.88	12.37	1076.24
			4.0	1074.9
7			6.1	1072.8
6+50			6.8	1072.1
B.M.			8.64	1070.24
6			9.3	1069.6
5+60			12.0	1066.9

N.W. root 30" Butternut, 30' Rt. Sta. 10+90

5.8/30 4.6/18 5.9/8 7.1/6.5 6.6/5 5.9/4 6.2/9 8.5/10 4.3/13 1.9/17 0.4/30 rock

6.2/30 4.5/9 5.0/8 4.2/5 3.5/4 3.3/1.5 4.1/7.5 4.8/10-11 2.7/14 2.0/20 1.5/30 rock

6.4/30 5.2/8 6.8/6.5 6.2/5 5.4/4 5.8/10 6.8/12 4.5/14 3.9/17 2.9/20 2.9/30 rock

6.7/30 6.6/20.5 5.7/14 7.4/8 10.2/6 9.3/4 8.6/4 8.7/6 9.1/7 10.0/11.5 6.4/16 4.8/20 5.2/30 rock

11.6/30 11.2/21 11.9/10.5 13.1/6 12.5/5 12.1/4 11.7/4 12.3/6 12.9/8 11.9/12-13 11.8/14 10.4/18 10.8/22 30 rock

6.1/30 6.4/16 4.7/6 4.3/4.5 4.0/4 3.7/4 4.1/11 4.8/14 4.5/12.5 4.7/20 3.8/30 rock

14.6/100 12.4/80 9.3/30 8.1/12 6.6/5.5 6.1/4 6.1/11 6.3/21 4.0/30 3.3/35 2.3/50 rock

Earth work

13.5/30 9.9/28 7.9/9 6.8/4 6.8/9 2.8/25 30

Free Free

S.E root 30" Walnut 48 left 6+40

12.8/30 10.0/14.5 9.6/10 10.0/8 9.3/4 9.6/8 8.2/9 7.4/15 6.7/30

14.1/30 10.9/19 11.0/10 13.2/7 12.9/6 12.0/4 11.8/6.5 13.9/11 9.0/15 8.2/25 30

Free

		1078.88		
5			13.9	1065.0
	0.95	1067.51	12.32	1066.56
4			13.4	1054.1
	0.20	1054.79	12.92	1054.59
3+25	Natural Drain S.W. for Hillside Culvert		8.9	1045.9
3			11.8	1043.0
	0.26	1042.40	12.65	1042.14
2			8.2	1034.2
1+50			12.6	1029.8
	1.17	1030.98	12.59	1029.81
1			7.0	1024.0
	4.83	1023.21	12.60	1018.38
0+50			6.4	1016.8
0+00			11.9	1011.3
B.M.			7.75	1015.46

9.1 10.1 15.2 14.8 13.9 14.6 14.8 9.6 8.5 8.6
30 17 13 6 4.5 4 5 10 76 25 30

5.8 6.4 10.3 14.6 13.9 13.4 14.2 15.2 11.6 10.8 9.6 8.7
30 20 10.5 7 5 4 8 9.5 13 18 20 30
Corn

5.8 6.6 8.1 8.7 10.6 9.4 8.9 9.7 10.9 8.1 8.9 11.5 12.6
30 8 21 17 12 10.5 9.5 7.5 4 8 10 11 17 22 30 40
tree Fence row Ext Drain

7.2 9.9 10.6 13.5 12.2 11.8 12.4 13.5 11.5 15.6 18.6
30 19 14 11 9 4 7.5 9.5 11-13 17 22.5 37
Fence

4.5 5.3 7.3 8.3 10.3 8.9 8.2 8.9 10.1 8.0 8.3 10.9 13.8
30 21 17 13 12-11 9 4 9 10-11 12 20 30 40
Fence

10.7 10.2 11.0 14.3 13.4 12.6 13.1 14.5 11.4 13.6 14.0
30 21 15 13-12 10 4 6.5 9.5 11-14 20 24 30
Fence Fence

5.3 5.7 6.7 8.9 7.7 6.8 7.0 7.7 8.6 5.0 1.2 1.8 3.1
23 7.9 16 15-14 12 4.5 4 4.5 6 8 14 21 30
3.5 Fence
30

3.1 4.3 4.4 7.4 7.1 6.4 7.1 7.7 4.4 1.2 2.3
30 24 22 14 13-12 10 4 4.5 6-7 9 13 20 30
Fence

10.1 9.1 10.1 13.6 12.8 11.9 12.6 13.8 10.8 9.8 11.2
30 18 14.5 10.5 9.0 7.5 4 7.5 9-10 12 14 20 30
Fence Fence

R.P. Spike S. side E 1/11 Rt. sta. 0+45

BM,	6,54	1022,00		1015,46	
0+00					1014,50
0+50					1019,50
	10,90	1032,64	0,26	1021,74	
1+00					1024,0
1+50					1029,50
	12,70	1043,50	1,84	1030,80	
2+00					1034,50
	12,55	1054,48	1,57	1041,93	
3+00					1044,50
	10,28	1064,71	1,05	1053,43	
4+00					1054,50
	10,76	1074,03	1,44	1063,27	
5+00					1064,50
5+60					1067,80
6+00					1070,00
B.M.			3,89	1070,14	record 1070,24
	8,34	1078,58		1070,24	record
6+50					1072,00

Feb, 28, 1931 Slope Stakes 28
Clear 40°
D. Parks
T. Snyder
S. Merritt

N. side ℄			S. side ℄	
R.P. spike E, side Elm Rt. sta 0+45				
7,50	7,64	F0,1 / 17,0	8,81	F1,3 / 19,0
2,50	2,80	F0,3 / 18,0	1,00	C1,5 / 22,0
8,64	6,25	C2,4 / 25,0	3,95	C4,7 / 22,0
3,14	0,38	C2,7 / 20,0	3,59	F0,5 / 23,0
9,00	6,58	C2,4 / 20,0	9,02	0,0 / 16,0
9,98	9,17	C0,8 / 20,0	12,55	F2,6 / 16,0
10,21	3,12	C7,1 / 30,5	7,50	C2,7 / 23,5
9,53	4,42	C5,1 / 26,5	3,73	C5,8 / 27,5
6,23	7,01	F0,8 / 20,0	3,52	C2,7 / 22,0
4,03	5,46	F1,4 / 17,5	1,92	C2,1 / 21,0
S.E. root 30" Walnut 28' left 6+40				
6,58	8,09	F1,5 / 17,0	3,53	C3,1 / 22,0

		1078.58			
7+00					1073.00
8+01					1075.00
8+40					1077.00
	12.70	1089.21	2.07	1076.51	
9+00					1080.00
9+45					1082.50
10+00					1084.00
10+50					1082.00
B.M.			4.17	1085.04	
	0.57	1085.61		1085.04	record
11					1079.50
12					1074.00
	3.27	1075.84	13.04	1072.57	
12+50					1072.50
13					1071.30
14					1071.20

S. side			N. side	
5.58	6.24	F 0.7 / 18.5	7.92	F 2.3 / 19.5
N. side			S side	
3.58	5.10	F 1.5 / 15.5	4.02	F 0.4 / 20.5
1.58	2.07	F 0.5 / 19.5	1.00	C 0.6 / 18.5
9.21	6.48	C 2.7 / 24.0	5.26	C 4.0 / 24.0
6.71	6.17	C 0.5 / 20.0	3.18	C 3.5 / 23.5
5.21	5.66	F 0.5 / 19.0	2.40	C 2.8 / 22.0
7.21	5.19	C 2.0 / 21.5	1.21	C 6.0 / 26.0

N.W. root 30" Butternut 30' Rt, sta. 10+90

6.11	5.99	C 0.1 / 19.5	3.99	C 2.1 / 22.0
11.61	12.05	F 0.4 / 18.5	13.06	F 1.5 / 17.5
3.34	3.30	0.0 / 19.5	4.35	F 1.0 / 18.0
4.54	4.85	F 0.3 / 19.0	6.67	F 2.1 / 15.0
4.64	4.02	C 0.6 / 19.5	5.93	F 1.3 / 15.5

		1075.84			
1	9.46	1078.52	6.78	1069.06	
15					1071.20
14					1073.00
	9.56	1086.10	1.98	1076.54	
17					1076.00
18					1077.50
19					1078.50
20					1081.00
B.M			6.13	1079.97	
				1079.81	
	check levels				
B.M.	6.13	1085.94		1079.81	
	0.60	1076.98	9.56	1076.38	
	7.04	1075.94	8.08	1068.90	
	12.87	1085.29	3.52	1072.42	
B.M.			0.40	1084.89	
	12.35	1092.16		1079.81	
	9.04	1100.37	0.83	1091.33	
	5.88	1093.94	12.31	1088.06	

	N side			S. side	
7.32	5.75	C 1.6 / 21.5		9.83	F 2.5 / 18.0
5.52	3.74	C 1.8 / 21.0		9.44	F 3.9 / 21.0
10.10	5.96	C 4.1 / 25.0		9.56	C 0.5 / 19.5
8.60	7.67	C 0.9 / 20.5		9.93	F 1.3 / 16.0
7.60	7.38	C 0.3 / 20.0		9.25	F 1.7 / 17.0
5.10	4.06	C 1.1 / 20.5		6.26	F 1.2 / 17.5

Bent spike N. side 15" Walnut 25' Rt 20+15

Bent spike N. side 15" Walnut 25' Rt 20+15

N. W. root 30" Butternut 30' Rt. sta. 10+90

Bent spike N. side 15" Walnut 25' Rt. sta 20+15

	1093.94			
B. M.		10.48	1083.46	Bent spike S. root 30" Maple 25' Left sta. 29+75
			1083.60	

B. M.	12.53	1082.34		1079.81	
21					1086.50
	10.52	1101.06	1.80	1090.54	
22					1092.50
23					1096.80
23+65					1096.50
24					1095.50
25					1091.50
	5.63	1094.06	12.63	1088.43	
26					1089.00
27					1087.00
28					1086.50
29					1086.00
B. M.			10.63	1083.43	
	10.38	1093.98		1083.60	record
38					1085.50

Mar. 6, 1931
Cold. Cloudy 30°
D. Parks
T. Snyder
S. Merritt

32

S. side ℄			N. side ℄	
Bent spike N side 15" Walnut 25' Rt. Sta. 20+15				
5.84	4.14	C1.7 / 21.0	2.46	C3.7 / 23.5
8.56	7.61	C1.0 / 21.0	6.24	C2.3 / 22.0
5.66	4.52	C0.5 / 19.5	4.93	C0.1 / 19.5
4.56	2.56	C2.0 / 21.0	4.72	F0.2 / 17.5
5.56	2.52	C3.0 / 23.0	5.27	C0.3 / 19.0
9.56	5.19	C4.4 / 20.0	9.83	F0.3 / 23.0
5.06	1.33	C3.7 / 23.0	6.87	F1.8 / 16.0
7.06	5.58	C1.5 / 20.0	8.96	F1.9 / 17.0
7.56	6.19	C1.4 / 19.5	9.92	F2.4 / 17.0
8.06	5.77	C2.3 / 21.5	9.39	F1.3 / 17.5
Bent spike S. root 30" Maple 25' Left sta. 29+75				
8.48	5.53	C3.0 / 22.5	10.22	F1.7 / 17.0

		1093.98			
31					1085.50
32					1085.50
	3.47	1091.23	6.22	1087.76	
33					1085.00
33+50					1083.75
33+80					1083.00
	5.08	1085.62	10.69	1080.54	
33+80					1083.08
34					1082.50
35					1083.00
	12.77	1097.57	0.82	1084.80	
36					1087.00
37					1093.00
	13.06	1109.88	0.75	1096.82	
37+85					1093.17
38					1101.20
	13.09	1122.56	0.41	1109.47	
39					1109.98
40					1113.60

S. side ℄ R			N. side ℄ Lt	
8.48	5.81	C 2.7 / 18.0	11.94	F 3.5 / 22.5
8.48	4.50	C 4.0 / 24.0	8.27	F 0.2 / 19.0
slope hub Lt sta 33+00				
6.23	2.09	C 4.1 / 24.5	3.47	C 2.8 / 21.5
7.48	2.53	C 5.0 / 25.0	6.46	C 1.0 / 18.0
8.23			10.71	F 2.5 / 18.0
2.62	8.36	F 5.7 / 25.0		
3.12	7.24	F 4.1 / 24.5	8.14	F 5.0 / 17.0
2.62	2.20	C 0.4 / 19.5	3.95	F 1.3 / 18.0
10.57	9.44	C 1.1 / 19.0	8.53	C 2.0 / 21.5
4.57	2.45	C 2.1 / 21.0	1.65	C 2.9 / 23.0
9.91	6.33	C 3.4 / 23.5	7.15	C 2.8 / 22.5
8.68	5.88	C 2.8 / 22.0	5.99	C 2.7 / 23.0
13.16	10.20	C 3.0 / 22.0	9.85	C 3.3 / 22.5
2.96	0.29	C 2.7 / 22.0	0.50	C 2.5 / 22.0

		1122.56			
B.M.	11.46	1133.52	0.50	1122.06	
B.M.			1.88	1131.64	
	13.09	1144.81		1131.72	record
41					1129.80
42					1140.00
	12.99	1157.74	0.06	1144.75	
42					1140.00
43					1150.00
43+45					1154.05
	12.99	1168.67	1.06	1156.68	
44					1159.00
45					1169.00
T.P.			0.24	1169.43	

S. side ℄ N. side ℄

N. root. 86" Elm 25' Rt. sta. 40+85

15.01	11.23	C 3.1 / 22.5	11.66	C 3.4 / 24.5
4.81	1.34	C 3.5 / 23.0		
17.74			11.90	C 5.8 / 27.5
7.74	6.32	C 1.4 / 21.0	1.72	C 6.0 / 27.8
3.69	3.17	C 0.5 / 19.5	0.95	C 2.7 / 23.5
10.67	11.16	F 0.5 / 18.5	10.06	C 0.6 / 19.5
0.67	0.24	C 0.4 / 19.0	1.66	F 1.0 / 17.0

Slope hub Rt. sta. 45+00

	13.09	1182.52		1169.43	
46					1179.00
	12.89	1194.85	0.56	1181.96	
46+55					1184.50
47					1189.00
	12.86	1207.56	0.15	1194.70	
48					1199.00
	10.40	1217.92	0.04	1207.52	
49					1207.50
50					1210.50
	1.08	1206.31	12.69	1205.23	
51					1204.50
B.M.			3.70	1202.61	
	3.70	1206.38		1202.68	record
	12.30	1206.57	12.11	1194.27	
52					1200.00
53					1202.00
	12.40	1218.52	0.45	1206.12	
54					1210.60
	12.77	1230.73	0.56	1217.96	
	8.75	1237.48	2.00	1228.73	
55					1222.50
			7.16	1230.32	

Mar. 7, 1931
Cold Cloudy S Wind 6:00 o'clock
D. Parks, T. Snyder, S. Merritt

N. side ℄

Slope Hub Rt, sta. 45+00

S. side ℄

3.52	1.21	C 2,3 / 21,5	1.83	C 1,6 / 21.0
10.35	7.62	C 2,7 / 23,5	5.74	C 4,6 / 26,5
5.85	2.46	C 3,4 / 23,5	1.92	C 3,9 / 26.5
8.56	5.15	C 3,4 / 23,5	5.85	C 2,7 / 23,5
10.42	8.42	C 2,0 / 20,5	9.33	C 1,1 / 17,0
7.42	3.90	C 3,6 / 23,5	2.28	C 5,1 / 26,0
1.81	3.69	F 1,9 / 17,0	1.02	C 0,8 / 21,0

N. root 30" Locust 27 Ft. sta. 51+00

6.57	13.10	F 6,5 / 25,5	12.30	F 5,7 / 24,5
4.57	7.36	F 2,8 / 20,0	7.37	F 2,8 / 20,0
8.02	3.62	C 4,4 / 18,0	4.35	C 3,7 / 24,0
14.98	3.23	C 11,8 / 33,0	7.16	C 7,8 / 30,0

Slope Hub Lt, sta. 55+00

	12,59	1242,91		1230,32	
	12,82	1255,55	0,18	1242,73	
56					1234,50
57					1246,50
	11,67	1266,90	0,32	1255,23	
58					1255,00
59					1261,50
	11,24	1277,35	0,79	1266,11	
60					1268,00
B,M.			5,95	1271,40	
	5,95	1277,34		1271,39	
61	12,89	1289,69	0,54	1276,80	1274,50
62					1281,00
	12,70	1298,95	3,44	1286,25	
63					1286,00
64					1290,00
65					1293,00
66					1294,00
B,M.			4,05	1294,90	
				1294,85	

Mar. 17 1931
Cloudy Cold 34°
D. Parks
T. Snyder

S. side ℄

21,05	10,58	C10,5 / 33,0	11,87	C9,2 / 31,0
9,05	2,20	C6,9 / 28,0	1,47	C7,6 / 28,5
11,90	7,09	C4,8 / 24,0	12,05	F0,2 / 19,0
5,40	2,42	C3,0 / 23,0	3,90	C1,5 / 21,0
9,35	5,91	C3,4 / 22,5	9,39	0,0 / 20,0

N. side ℄

Bent spike N.E. root 30" Maple 26' Rt. Sta. 60+06

15,19	11,21	C4,0 / 23,5	12,89	C2,3 / 22,5
8,69	5,59	C3,1 / 21,0	7,67	C1,0 / 21,0
12,95	10,90	C2,1 / 18,5	12,70	C0,3 / 18,5
8,95	8,46	C0,5 / 17,0	9,26	F0,3 / 18,5
5,95	4,54	C1,4 / 18,5	5,61	C0,3 / 19,5
4,95	3,65	C1,3 / 19,0	4,64	C0,3 / 19,5

2 spikes N. root 24" Ash 27' Rt. Sta. 66+98

March, 23 1931
Clear 45°
D. Parks
T. Snyder

B.M.	2.81	1297.66		1294.85	
67					1294.00
68					1294.00
69					1294.00
	5.11	1299.82	2.95	1294.71	
70					1294.00
71					1294.00
72					1293.50
73					1290.40
74					1285.30
	0.51	1288.24	12.09	1287.73	
75					1280.20
	3.07	1278.31	13.00	1275.24	
76					1275.10
77					1270.02
78					1266.00

S. side ℄

2 spike N. root 24" Ash 27' Rt. sta. 66+98

3.66	3.78	F0.1 / 18.0	4.73	F1.1 / 17.5
3.66	4.14	F0.5 / 17.5	4.41	F0.8 / 18.0
3.66	3.79	F0.1 / 17.5	2.95	C0.7 / 20.0
5.82	4.38	F0.4 / 18.5	5.49	C0.3 / 19.5
5.82	5.73	C0.1 / 19.0	4.13	C1.7 / 21.0
6.32	6.59	F0.3 / 19.0	5.36	C1.0 / 20.0
9.42	8.67	C0.8 / 20.5	8.04	C1.4 / 17.0
14.52	13.16	C1.4 / 21.0	12.09	C2.4 / 19.0
8.04	6.53	C1.5 / 20.5	5.09	C3.0 / 22.5
3.21	3.66	F0.5 / 18.5	2.05	C1.2 / 20.5
8.31	7.02	C1.3 / 20.0	5.20	C3.1 / 24.0
12.31	12.87	F0.6 / 17.5	11.08	C1.2 / 20.0

N. side ℄

						S. side &			N. side &	
		1278.31								
	1.56	1267.05	12.82	1265.49						
79					1263.50	3.55	5.65	F2.1 / 17.0	3.67	F0.1 / 18.0
80					1261.00	6.05	6.76	F0.7 / 18.5	4.29	C1.8 / 21.0
81					1257.00	10.05	8.38	C1.7 / 21.8	7.12	C2.8 / 23.0
B.M			5.26	1261.79		S.W. root 30" Maple 70' Lt. sta. 81+40				
	5.26	1267.08		1261.82	record					
	3.30	1257.37	13.01	1254.07						
82					1249.00	8.37	3.80	C5.1 / 26.5	2.64	C3.7 / 27.0
	0.04	1244.89	12.52	1244.85						
83					1240.50	4.39	4.66	F0.3 / 19.0	4.09	C0.3 / 19.5
84					1234.00	10.89	11.44	F0.6 / 18.0	12.96	F2.1 / 15.0
	0.96	1232.75	13.10	1231.79						
85					1230.00	2.75	2.95	F0.2 / 18.5	2.48	C0.3 / 18.5
86					1226.40	4.35	4.64	F0.3 / 19.0	5.39	C1.0 / 18.5
87					1223.40	9.35	9.42	F0.1 / 19.0	8.23	C1.1 / 18.5
88					1220.40	12.35	10.39	C2.0 / 18.0	11.51	C0.8 / 20.0
T.P.			9.86	1222.89		Large stone Lt. sta. 87+80				

March 24, 1931
Rain
D. Parks
P. Snyder

						S. side ℄			N. side ℄
	0.07	1222.96		1222.89					
89					1218.40	4.56	13.02	F8.5 / 24.5	5.41 F0.9 / 21.0
90					1217.40	5.56	5.03	C0.5 / 19.0	4.41 C1.2 / 23.0
91					1217.00	5.96	6.38	F0.4 / 17.5	7.73 F1.8 / 19.0
	4.70	1221.91	5.75	1217.21					
B.M.			3.63	1218.28		N. root 24" evergreen 30' Rt. sta. 91+75			
	3.63	1221.92		1218.29	record				
92					1217.50	4.42	4.23	C0.2 / 19.0	3.94 C0.5 / 19.5
93					1217.50	4.42	4.54	F0.1 / 18.5	4.10 C0.3 / 19.5
94					1215.50	6.42	5.55	C0.9 / 20.0	5.90 C0.5 / 20.0
95		1221.16			1214.50	7.42	8.73	F1.3 / 18.0	8.77 F1.4 / 18.0
	6.01	~~1221.15~~	6.77	1215.15					
96					1215.20	5.95	5.87	C0.1 / 18.5	6.01 F0.1 / 19.0
97					1215.50	5.65	5.35	C0.3 / 19.0	5.25 C0.4 / 18.5
98		1210.22		1209.93	1211.00	10.15	9.04	C1.1 / 18.0	5.61 C4.5 / 28.0
	0.29	~~1210.21~~	11.23	~~1209.92~~					
99					1203.50	6.71	0.29	C6.4 / 29.0	2.83 C3.9 / 25.5

		1210.22 ~~1210.21~~			
T.P.	0.65	1200.14 ~~1200.13~~	10.73	1199.49 ~~1199.48~~	
99+50					1199.35
100		1189.28 ~~1189.27~~	13.09	1187.05 ~~1187.04~~	1195.00
	2.23				
100+50					1190.75
101					1186.50
101+50				1178.12 ~~1178.11~~	1183.00
	1.34	1179.14 ~~1179.13~~			
102					1179.50
102+27.3					1178.00
103					1174.00
B.M.			10.35	1169.10 1170.00	
104					1172.00
105					1174.00

Slope Stake Rt. Sta. 99+50

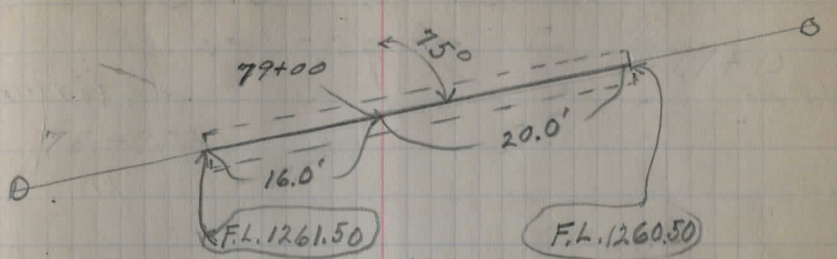
0.88	0.65	C 0.2 / 20.0	4.27	F 3.4 / 19.0
5.13	8.43	F 3.3 / 18.0	10.46	F 5.3 / 22.5
+0.48	3.44	F 3.9 / 21.5	2.86	F 3.3 / 21.0
2.77	6.21	F 3.4 / 18.0	5.88	F 3.1 / 20.5
6.27	5.53	C 0.7 / 20.0	5.07	C 1.2 / 22.0
+0.05	1.34	F 1.4 / 18.0	7.00	F 7.6 / 28.0
1.45	4.19	F 2.7 / 17.5	7.55	F 6.1 / 24.0
5.45	7.94	F 2.5 / 16.5	8.97	F 3.5 / 18.0

N.E. root 12" Maple 30' Rt. Sta. 103+40

Mar. 30, 1931
Trustees authorized
Culvert across road
just above Clyde Hartman's House,
Marks recommended 36 ft. of 15" Pipe

B. M	6.65	1268.47	1261.82	
			1261.89	
			1260.22	

79+11 P. Roseum
C. Hill



S. W. root 30" Maple 70' Lt. Sta. 81+40

6,58	4,58	C2,0	Stake, 30' Left
8,25	7,25	C1.0	Stake, 30' Right

106	1176.00	
107	1179.00	
108	1186.00	
109	1195.00	
B.M.	1193.67	N. W. root 24" Maple 30' Rt. Sta 109+10

B. M.	3.28	1221.57		1218.29
92				1217.50
93				1217.50
94				1215.50
95				1214.60
96				1215.20
97				1216.50
	3.06	1218.84	5.79	1215.78
98				1211.00
99				1203.50
	~~0.49~~	~~1206.83~~	~~12.50~~	~~1206.34~~
99+50				1199.25
	0.26	1194.63	12.46	1194.37
100				1195.00
100+50				1190.75
101				1186.50

No root 24" evergreen 30' Rt, Sta, 9+75

4.07	3.89	C 0.2 / 19.0	3.59	C 0.5 / 19.5
4.07	4.20	F 0.1 / 18.5	3.78	C 0.3 / 19.5
6.07	5.24	C 0.8 / 20.0	5.56	C 0.5 / 20.0
7.07	8.37	F 1.3 / 18.0	8.43	F 1.4 / 18.0
6.37	6.32	C 0.1 / 18.5	6.46	F 0.1 / 19.0
6.07	5.79	C 0.3 / 19.0	5.67	C 0.4 / 18.5
7.84	6.78	C 1.1 / 18.0	3.32	C 4.5 / 28.0
15.34	8.97	C 6.4 / 29.0	11.51	C 3.8 / 25.5
7.58	7.44	C 0.1 / 20.0	11.06	F 3.5 / 19.0
+0.37	3.02	F 3.4 / 18.0	5.04	F 5.4 / 22.0
3.88	8.89	F 5.0	8.31	F 4.4 / 21.0
8.13	11.45	F 3.5	11.30	F 3.2

1194.63

101+50 1183.00

0.13 1181.90 12.86 1181.77

102 1179.51

102+27.3 1178.00

103

B.M 12.91 1168.99

C0.6 C1.1

11.63 11.00 10.51

3.88 10.06

6.73 10.09

10.50 11.51

N.E. root 12" Maple 30' Rt. Sta. 103+40

Mar, 31, 1931
D. Parks
T. Snyder
Clear

April 1 1931
D. Parks
T. Snyder
Rain

N. E. root 12" Maple 30' Rt. Sta. 103+40

						Lt		Rt	
B. M.	12.92	1182.92		1170.00					
103					1174.00	8.92	11.51 F2.6 18.0	10.51	F1.6 16.5
102+27.3					1178.00	4.92	10.10 F5.2 24.0	6.74	F1.8 17.5
102					1179.50	3.42	10.07 F6.7 28.0	3.90	F0.5 18.0
	12.55	1195.32	0.15	1182.77					
101+50					1183.00	12.32	10.20 C2.1 22.0	10.69	C1.6 20.0
101					1186.50	8.82	11.01 F2.2 18.0	11.34	F2.5 18.0
100+50					1190.75	4.57	8.00 F3.4 21.0	8.58	F4.0 21.5
100					1195.00	0.32	4.74 F4.4 22.5	2.72	F2.4 18.0
	12.62	1207.35	0.59	1194.73					
99+50					1199.25	8.10	10.58 F2.5 19.0	6.96	C1.1 20.0
	12.34	1219.34	0.35	1207.00					
99					1203.50	15.84	11.07 C4.8 25.5	8.51	C7.3 29.0
98					1211.00	8.34	8.85 C5.5 28.0	6.32	C2.0 18.0
97					1215.00	13.84	2.48 C1.4 18.5	2.60	C1.2 19.0
	5.56	1222.29	2.61	1216.73					

				Lt		Rt	
	1222,29						
96			1215,20	7,09	6,22	6,08	
				C 0,9 / 19,0			C 1,0 / 18,5
95			1214,20	7,79	8,18	8,13	
				F 0,4 / 18,0			F 0,3 / 18,0
94			1215,69	6,79	5,31	5,00	
				C 1,5 / 20,0			C 1,8 / 20,0
93			1217,69	4,79	3,57	3,95	
				C 1,2 / 19,5			C 0,8 / 18,5
92			1217,84	4,79	3,35	3,64	
				C 1,4 / 19,5			C 1,2 / 19,0
B.M		3,02	1219,27	N. foot 24" evergreen 30' Rt. sta. 91+75			
			1218,29	record			

98	C 4.5 / 28.0	C 1.0 / 18.0
97	C 0.4 / 18.5	C 0.2 / 19.0
96	F 0.1 / 19.0	0 0 / 18.5
95	F 1.4 / 18.0	F 1.3 / 18.0
94	C 0.5 / 20.0	C 0.8 / 20.0
93	C 0.2 / 19.5	F 0.2 / 18.5
92	C 0.4 / 19.5	C 0.2 / 19.0

April 4, 1931
D. Parks
T. Snyder
Clear 60°

B.M.	6.69	1176.69		1170.00		N.E. root 12" Maple 30' Rt. Sta. 103+40				
104					1172.60	4.07	8.19	F 4.1 / 14.5	6.94	F 2.9 / 6.5
104+75					1173.50	3.19	3.89	F 0.7 / 17.0		
104+75	10.97	1184.75	2.91	1173.78						
104+75					1173.50	11.25			2.31	C 8.9 / 31.5
105					1174.00	10.75	11.34	F 0.6 / 18.5	9.01	C 1.7 / 21.0
106					1176.00	8.75	9.15	F 0.4 / 17.0	10.03	F 1.3 / 18.0
107					1179.00	5.75	5.71	0.0 / 19.0	5.21	C 0.5 / 19.0
	12.77	1197.34	0.18	1184.57						
108					1186.00	11.34	9.54	C 1.8 / 23.0	10.54	C 0.8 / 16.5
109					1195.00	2.34	5.22	F 2.9 / 18.5	4.68	F 2.3 / 21.0
B.M.			3.68	1193.66		N.W. root 24" Maple 30' Rt. Sta. 109+10				
	3.68	1197.35		1193.67	record					
109+21.25					1197.12	0.22			2.22	F 2.0 / 20.0
	11.98	1208.74	0.59	1196.76						
109+21.25					1197.12	11.62	10.37	C 1.3 / 22.5		
109+55					1200.50	8.24			7.16	C 1.1 / 18.0
	12.84	1221.40	0.18	1208.56						

		1221,40								
109+55				1200,50	20,90	10,04	C10,9 / 35,5			
110				1205,00	16,40	6,98	C9,4 / 33,0	11,98	C 4,4 / 24,0	
110+70				1211,30	10,10	2,80	C 7,3 / 28,0	7,63	C 2,5 / 22,0	
111				1214,00	7,40	1,88	C 5,5 / 27,0	6,01	C 1,4 / 20,5	
	9,45	1230,51	0,34	1221,06						
112				1219,50	11,01	7,77	C 3,2 / 23,0	9,14	C 1,9 / 21,0	
113				1223,00	7,51	5,88	C 1,6 / 21,0	6,85	C 0,7 / 18,0	
114				1226,00	4,51	2,91	C 1,6 / 21,0		(Stake in traveled Roadway	
114+50				1227,25	3,26	1,89	C 1,4 / 20,0			
115				1227,5 / 1228,50	3,01 / ~~2,01~~	1,13	C 1,9 / ~~C 0,7~~ / 21,5	9,33	F0,3 / ~~F 1,3~~ / 17,5	
	7,97	1235,20	3,28	1227,23						
116				1227.3 / 1228,30	7,90 / ~~6,90~~	5,24	C2,7 / ~~C1,7~~ / 22,5	9,93	F2,0 / ~~F3,0~~ / 16,0	
117				1226,8 / 1227,80	8,40 / ~~7,40~~	5,61	C2,8 / ~~C1,8~~ / 23,0	8,72	F0,3 / ~~F1,3~~ / 14,5	
B. M.			3,47	1231,73 / 1231,64	S. W. rod 12" Maple 150' N. of intersection.					

T.P.	8.09	1091.69		1083.60
	4.66	1085.42	10.93	1080.76

34

34+00

1072.50

1072.60

34+00 resetting Stake 40' Lt

Stake 30' Rt

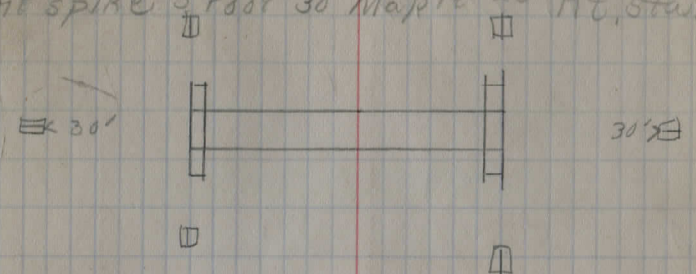
2.43 C5.0

April 2 1931

D. Parks

T. Snyder clear 65°

Bent spike 5 root 30" Maple 25' Rt. Sta. 29+75



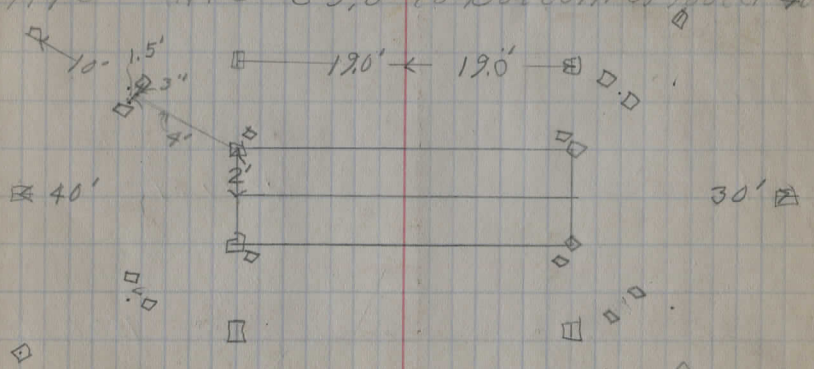
12.92 7.92 C5.0 to Bottom of footer Stake 30' Rt.

12.92 10.92 C2.0 to Bottom of footer Stake 30' Lt

May 8, 1931 D. Parks, T. Snyder

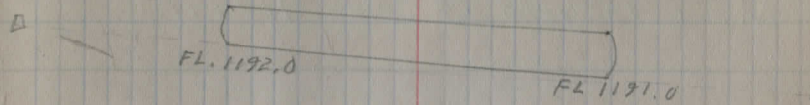
Fair 75°

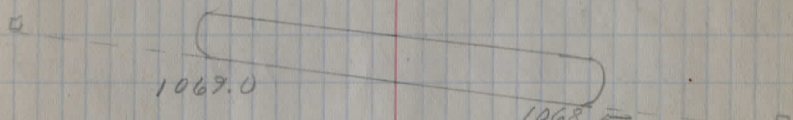
7.43 4.43 C3.0 to Bottom of footer 40' Lt



April 20, 1931
D. Parks
T. Snyder
Cloudy 80°

B.M.	0.41	1203.09	1202.68				N. root 30" Locust 27' Rt. sta 51+00
51+90				1192.14	10.95	7.95	C 3.0 stake 30' Rt.
				1190.90	12.19	9.19	C 3.0 stake 30' Rt.
B.M.	0.99	1080.80	1079.81				Bent spike N. side 15" Walnut 25' Rt. 20+15
14+70							
B.M.							
				1068.26	12.54	12.04	C 0.5 stake 30' Rt.
				1069.27	11.53	6.53	C 5.0 stake 30' Lt.

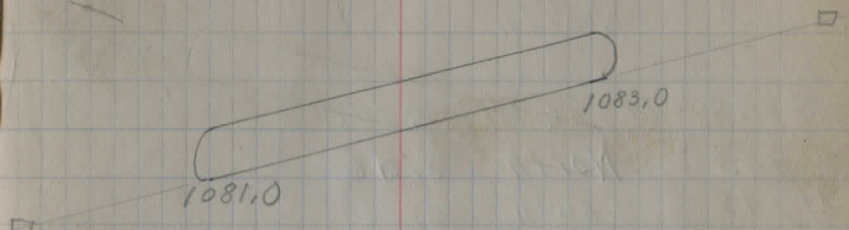




April 20, 1931
D. Parks
T. Snyder
Cloudy 80°

30+35

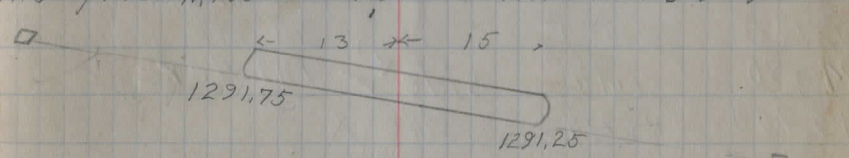
B.M.	6.95	1090.55	1083.60		Bent spike S. root 30" Maple 25' Lt. Sta. 29+78



			1083.94	6.61	1.11 C 5.5 Stake 30' Rt
			1080.41	10.14	13.14 F 3.0' Stake 30' Lt

69+80

B.M.	4.37	1299.22	1294.85		Two spikes N. root 24" Ash 27' Rt. sta. 66+98



			1290.98	8.24	6.24 C 2.0 Stake 30' Rt.
			1292.06	7.16	3.66 C 3.5 Stake 30' Lt.

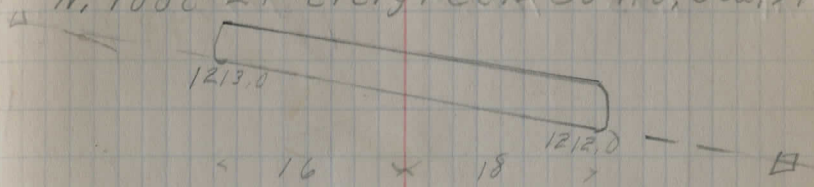
April 21, 1931
P. Parks
T. Snyder Cloudy 70°
Driveway Pipes

6+10	South	side ✓
13+90	North	side ✓
~~19+45~~	~~South~~	~~side~~
24+05	South	side ✓
35+45	North	side ✓ (m)
41+15	South	side ✓
~~49+45~~	~~South~~	~~side~~ Deid Wantea
49+80	South	side ✓
49+90	North	side ✓
~~52+95~~	~~North~~	~~side~~
~~58+05~~	~~South~~	~~side~~
62+15	South	side ✓
72+05	South	side ✓
78+80	South	side ✓
81+70	North	side ✓
92+80	South	side ✓ Roseum will place tile Not Needed Roseum
84+80	South	side ✓ Put Here
93+00	North	side ✓
~~102+80~~	~~South~~	~~side~~
107+05	South	side ✓
114+40	North	side ✓

107+05 S.

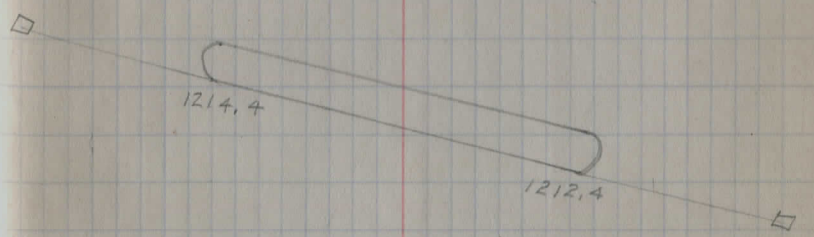
April 23, 1937
D. Parks
T. Snyder
Cloudy 30°

90+85					
B.M.	3.61	1221.90		1218.29	
					N. root 24" evergreen 30' Rt. Sta. 91+25



	1211.65	10.25	5.75 C 4.5	Stake 30' Rt
	1213.41	8.49	4.99 C 3.5	Stake 30' Lt

89+15				
	1221.90			



	1212.02	9.88	10.88 F 1.0	Stake 30' Rt
	1215.03	6.87	3.37 C 3.5	Stake 30' Lt

94+75

B.M.	1.93	1220.22	1218.29			
				1211.22	9.00	6.50 C 2.5 stake 30' Rt.
				1212.30	7.92	5.92 C 2.0 stake 30' Lt.

N. root 24" evergreen 30' Rt, Sta. 91+75

< 13'.6" × 14'.6" >

Check on Grades

	Hub Marked.	Rod reading on Slope Hub	Grade Fr.
0+00	F0.1	12.00	11.9
1+00	C2.4	10.40	12.8
1+50			
2+00	C 0.0	2.2	2.2
3+00	F2.6	8.2	5.6
4+00	C2.7	4.00	6.7
5+00	C5.1	2.9	8.0
6+00	F1.4	4.0	2.6
6+50	C3.1	3.8	6.9
7+00	F2.3	7.9	5.4
8+00	F1.5	5.1	3.6
8+40	F0.5	2.1	1.6
9+00	C2.7	5.5	8.2

May 5 1931
D. Parks; T. Snyder
Cloudy 80°

	N. Side	S. Side
F	Berm 9.0 from ℄	, 6 High 1.0 High , 4 High Berm 9.0 from ℄
C	Berm 11.0 from ℄	1.2 High, 9 High , 4 High Berm 11.0 from ℄
		no ditch on S. side
	Ditch 11.5 from ℄ , 6 Low	, 3 Low , 5 low no ditch on S. side
	Ditch 13.0 from ℄ , 8 low	, 4 low , 9 low no ditch
	Ditch 13.0 from ℄ Berm 7.0 from ℄ , 4 Low	Grade . 1 Low Berm 10.5 from ℄ Ditch 13.0 from ℄
	Ditch O.K. Berm 10.0 from ℄ , 5 Low	, 2 Low , 3 Low Berm 8.0 from ℄ Ditch 13.0 from ℄
	Ditch 13.0 from ℄ Berm 9.5 from ℄ , 8 Low	Grade , 2 Low Berm & Ditch O.K
	Berm & Ditch O.K.	, 2 Low , 1 Low , 6 Low Berm & Ditch O.K
	Ditch 13.0 from ℄ Berm 10.0 from ℄ , 9 Low	, 1 Low , 3 Low Berm O.K. Ditch not cleaned
	Berm 8.5 from ℄	, 2 High, 8 High , 7 High Berm 12.0 from ℄ Ditch not cleaned out
	Ditch 13.0 from ℄ Berm 9.0 from ℄	, 2 Low .5 High Grade Berm & Ditch O.K
	Ditch 13.0 from ℄ Berm 10.0 from ℄	6 High 1.1 High , 7 High Berm O.K. Ditch O.K.

9+45	C.05	5.4	5.9	Ditch 13.5 from ℄ Berm 10.5 from ℄, 2 High, 8 High, 6 High Berm 11.0 from ℄ Ditch 14.0 from ℄
10+00	F0.5	4.7	4.2	Berm & Ditch O.K, .6 Low, .1 High, .2 Low Berm O.K. Ditch not well cut
10+50	C2.0	4.2	6.2	Berm / Ditch } O.K. .2 Low, .1 High, .1 Low Berm 10.0 from ℄ Ditch 12.0 from ℄
11+00	C0.1	8.7	8.8	Ditch O.K. Berm 10.5 from ℄, .3 Low, .1 High, .2 Low Berm 10.0 from ℄ Ditch 15.0 from ℄
12+00	F0.4	3.3	2.9	Ditch 3.5 from ℄ Berm 8.5 from ℄, .1 High, 3 High, .1 Low Berm 10.5 from ℄ no Ditch
12+50	0.0	4.3	4.3	Ditch 13.0 from ℄ Berm 9.0 from ℄ Grade Grade Grade Berm O.K.
13+00	F0.3	5.9	5.6	Ditch 13.0 from ℄ Berm 8.0 from ℄, 3 High, 3 High, .1 High Berm O.K.
14+00	C0.6	4.3	4.9	Ditch 13.5 from ℄ Berm 10.5 from ℄ Grade, .1 High, .2 Low Berm 10.0 from ℄
15+00	C1.6	6.6	8.2	Ditch 13.0 from ℄ Berm 9.0 from ℄, 2 High, 3 High, .1 Low Berm O.K
16	F3.9	10.3	6.4	Berm O.K. .5 Low, .2 High, .3 High Berm 10.0 from ℄ Ditch 14.0 from ℄
17	C0.5	2.8	3.3	Ditch 13.5 from ℄ Berm 10.0 from ℄, .2 Low, .1 Low, .2 Low Berm O.K. Ditch 14.5 from ℄
18	C0.9	0.9	1.8	Ditch 13.5 from ℄ Berm 14.5 from ℄ Grade Grade, 3 Low Berm 19.5 from ℄ Ditch 13.5 from ℄
19	C0.3	0.8	1.1	Ditch 13.0 from Berm 10.0 from ℄, .2 High, .4 High, .2 High Berm 14.5 from ℄

20		C1.1	10.8	11.9
21		C1.7	4.4	6.1
22		C1.0	7.5	8.5
23		C0.5	4.8	5.3
23+65		C2.0	2.4	4.4
24		C3.0	2.4	5.4
25		F0.3	4.9	4.6
26		F1.8	8.8	7.0

Sta. 27+00 to sta. 34+00 Grade not ready for a check Berms not made; No Ditch line on S. side

Berm 10.0 from ℄ , 2 High , 6 High , 2 High Berm 10.0 from ℄ Ditch 13.0 from ℄

Berm & Ditch O.K Grade , 3 High , 1 Low Berm 9.0 from ℄ Ditch 13.0 from ℄

Ditch 13.0 from ℄ Berm 11.0 from ℄ , 4 Low , 1 High Grade Berm 10.5 from ℄ Ditch 13.0 from ℄

Ditch 13.5 from ℄ Berm 10.0 from ℄ , 1 Low , 2 High , 1 Low Berm 10.0 from ℄ Ditch 13.0 from ℄

Ditch O.K Berm 10.0 from ℄ , 5 Low , 3 Low , 4 Low Berm Ditch } O.K

Ditch 13.5 from ℄ Berm 10.5 from ℄ , 1 Low , 1 High , 1 Low Berm Ditch } O.K

Ditch 15 from ℄ Berm 11.0 from ℄ , 4 Low , 7 High , 4 High Berm Ditch } O.K

Ditch 12.5 from ℄ Berm 10.0 from ℄ , 6 Low , 4 Low , 6 Low

SPECIAL ITEMS.

41+00		36 lin. ft.	4" Drain Tile,	Outlets of Drains from ℄ to both Side Ditches
97+90 to 99+30		140 lin. ft.	4" Drain Tile	in North Side Ditch.
97+80 to 99+40		160 lin. ft.	4" " "	" South " "
117+25		24 lin. ft.	15" corr. Iron Pipe	29' Extra Culvert across Mulberry Road on W. Side of N. & S. Road.
		5± lin. ft.	12" Sec. Cast Iron Pipe	
79+00		36 lin. ft.	15" Corr. Iron Pipe,	Extra Culvert across Road.
34+00	Deduct	4.1	cu. yds. 1:8 Concrete	from Quantity shown on Plan.
	Add	6.0	" " 1:6½ "	to " " " "

37	C2.9	4.0	6.9	Berm Ditch } O.K.	.5 High 1. High .4 High Berm Ditch } O.K.

Survey of Mulberry Rd from Heath Rd to Fowlers Mills Rd

A Temple
N. Patterson
D. Canfield

Sept. 55

PT = 26+15.0

P.I. P.I. = 24+79.7

P.C. = 23+39.0

?

11+28

P.O.T.

? ± 9+28

10+80.55

34"X30"X 21'= Stone walls & top Foun '55

40 30

Replace to 36"X 28'

conc on skew

± 2+42

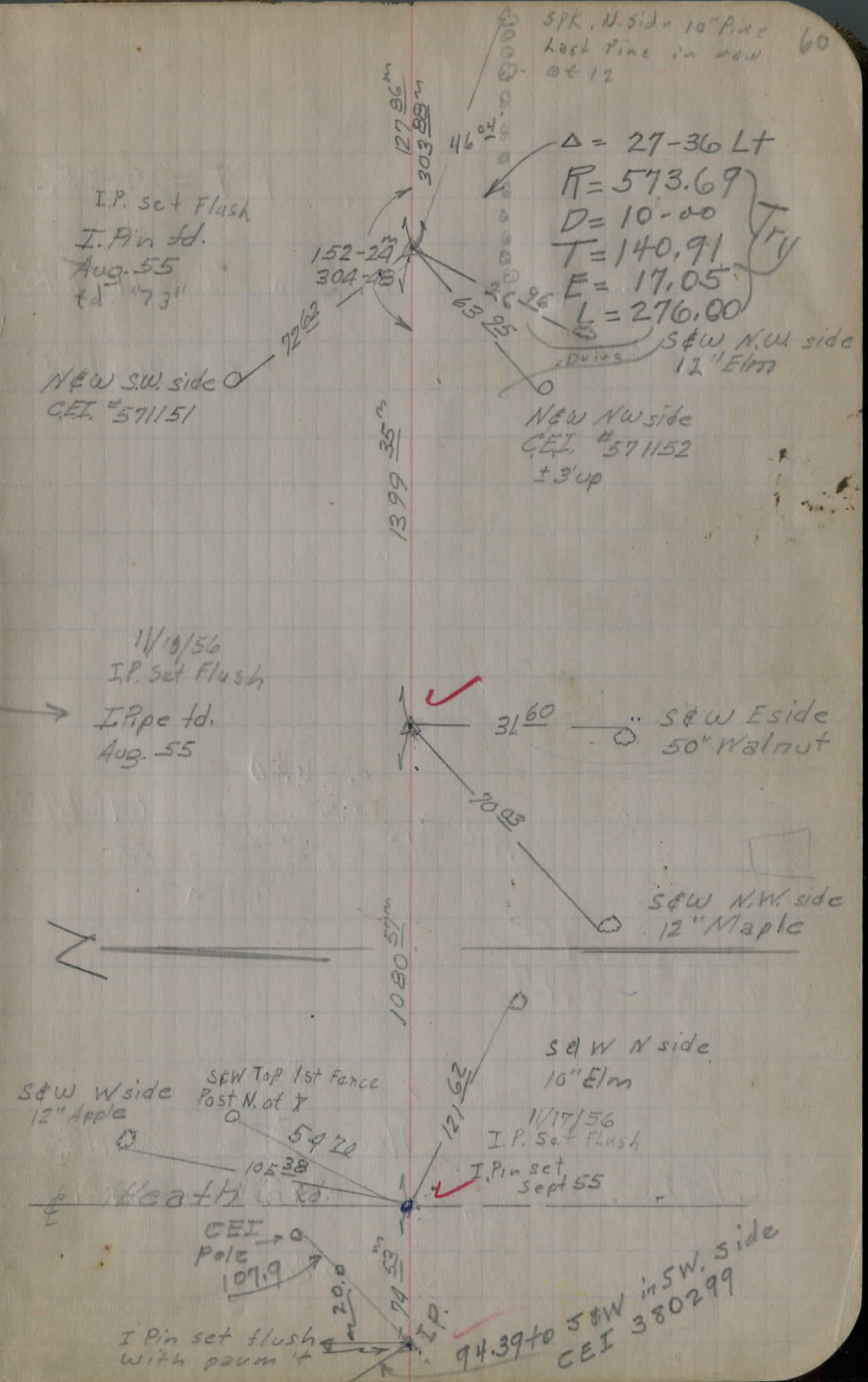
26"X24"X 24.8 conc. box (Good '55)

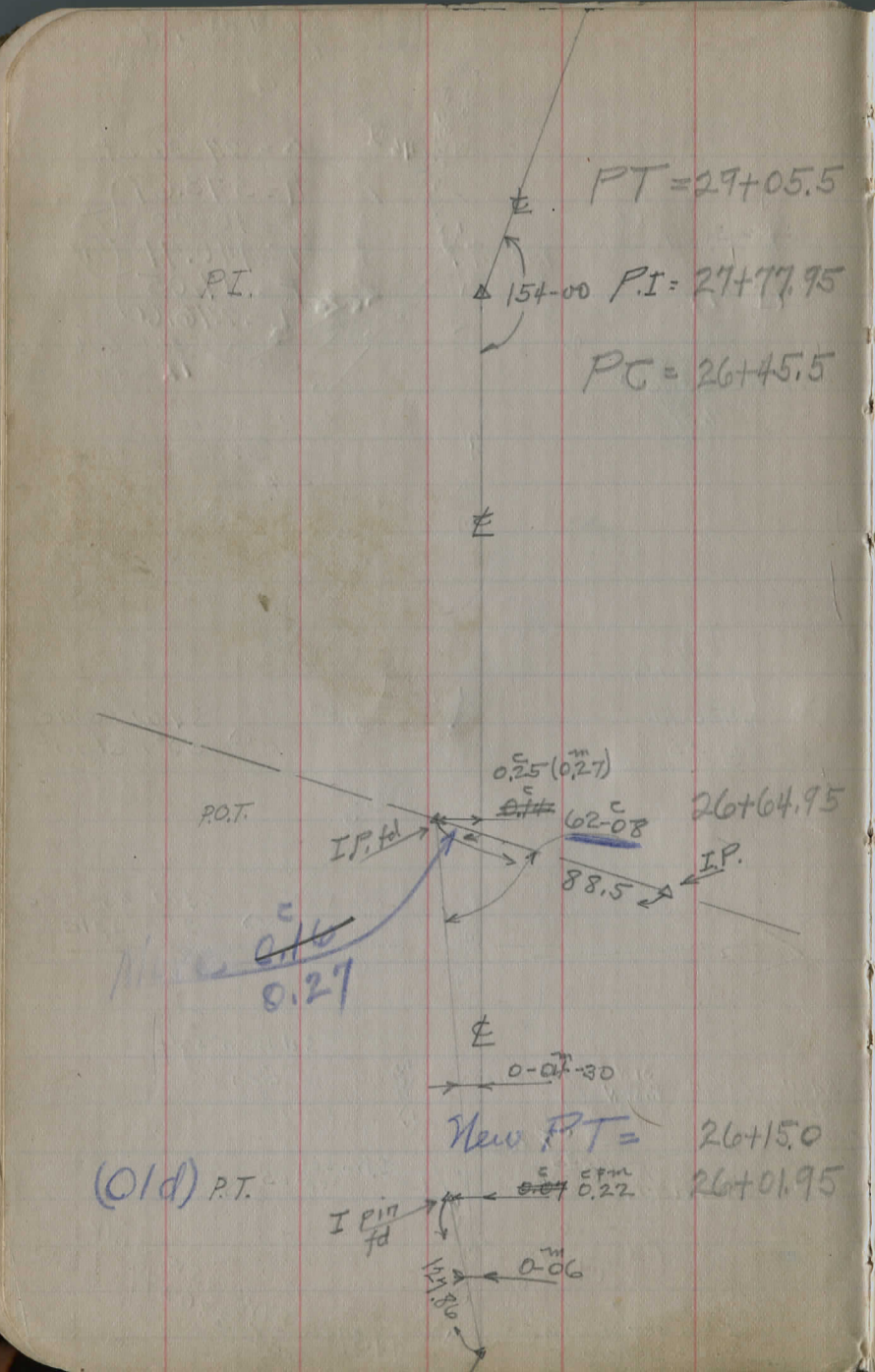
Stone wall

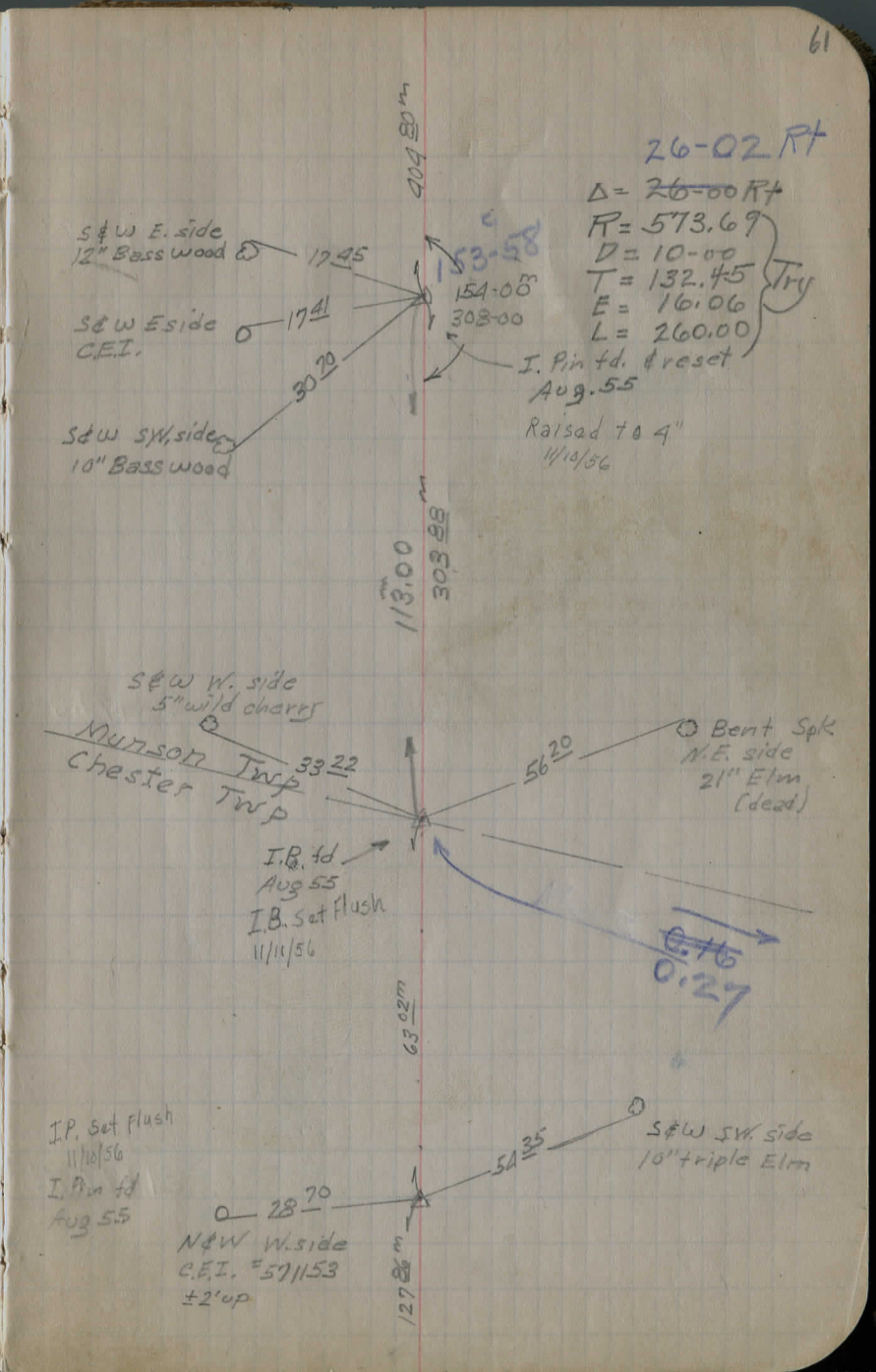
& conc. slab ± 10' long.

Extend 24" pipe each end

0+00




℄
PT = 29+05.5
P.I.
154-00
P.I. = 27+77.95
PC = 26+45.5
℄
0.25 (0.27)
P.O.T.
I.P. fd
62-08
26+64.95
I.P.
88.5
0.16
0.27
℄
0-07-30
New P.T. = 26+15.0
(Old) P.T.
I pin fd
0.22
0-06
26+01.95


26-02 Rt
Δ = 26-00 Rt
R = 573.69
D = 10-00
T = 132.45
E = 16.06
L = 260.00
Try
404.80m
153-58
154-08
308-00
S&W E. side
12" Bass wood
17.45
S&W E side
C.E.I.
17.41
30.70
S&W SW. side
10" Bass wood
I. Pin fd. & reset
Aug. 5.5
Raised to 4"
11/10/56
303.88m
113.00m
S&W W. side
5" wild cherry
Munson Twp
Chester Twp
33.22
56.20
Bent Spk
N.E. side
21" Elm
(dead)
I.P. fd
Aug 5.5
I.P. Set Flush
11/11/56
0.16
0.27
63.02m
I.P. Set Flush
11/10/56
I. Pin fd
Aug 5.5
28.70
N&W W. side
C.E.I. = 57/153
±2' up
54.35
S&W SW. side
10" triple Elm
127.86m

Mulberry Trd (Munson) 1955

50+13.25

41+35
15" X 34.5 conc. pipe
Good.

36+21.0

31+77.85

7.50 25m

Monument bot set Aug. 64

S&W S.W. side 24" evergreen

44 35

No curve

10/4/56
I.P. set flush
Ibolt fd = P.O.T.
Aug 55

~~129-59-30~~
~~359-59~~

45 02

S&W N.W. side 12" Apple

13.92 28m

Monument bot set Aug. 64

S&W E side C.E.I. # 571159

32 22

I.P. set flush 10/10/56
spk set P.O.T. Sept 55

P.O.T. = 0.21 5th of spk

60 01

S&W W. side 6" twin Basswood

4.43 15m

S&W N. side 20" Maple

74 17

Monument bot set Aug 64

15/10/56
I.P. set Flush
spk set Sept 55

P.O.T. = 0.25 5th of spk

~~129-57-30~~
~~359-55~~

No curve

72 80

4.00 80m

85 25

S&W S.W. side CEI # 571156

S&W N. side 20" Walnut

74+61.6

64+38.95

60+65

OK ← 48"×54"×37.8 conc box

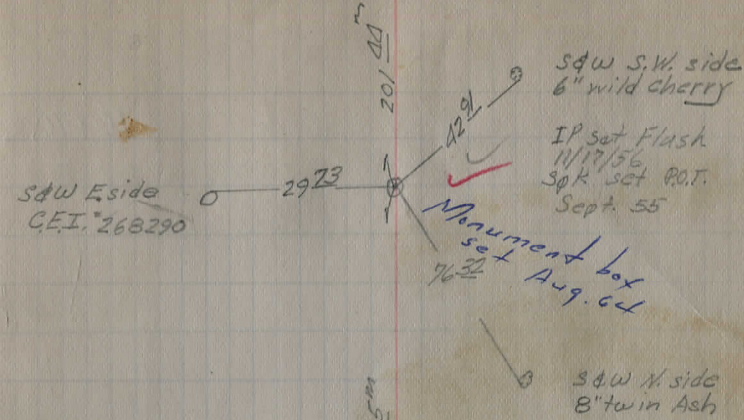
P.T. 58+01.5

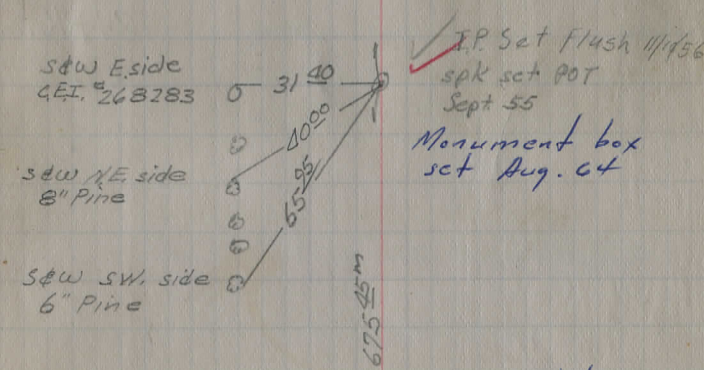
P.I. 57+63.50

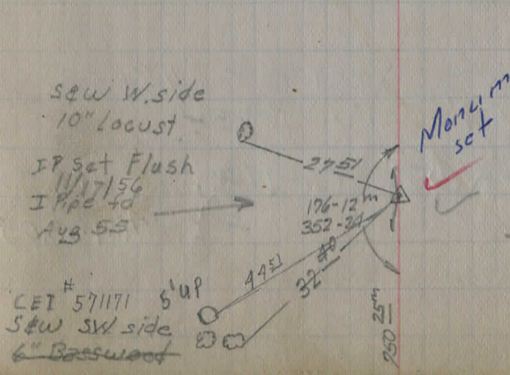
P.C. 57+25.5

57+00 ← 15"×37.6 Corr. 57+00

Replace - 15"×40 Conc







Δ = 3-48 Lt

R = 1146.28

D = 5-00

T = 38.02

E = 0.63

L = 76.00

90+90.2

84+46.2

78+55

24"x49' corr. poor

Replace 24"x52' conc.

P.I. 76+63.05

272 49rm

S&W. SW. side 20" Maple

43 25

I.P. Set Flush 11/10/56

Monument box set Aug 64

27 31

S&W E side 10" cherry

45 14

S&W N.W. side 6" oak

613 28rm

S&W N.W. side of the S.W. stem of cherry clump

66 20

36 12

S&W N.E. side 8" stem of triple locust

37 08

S&W E. side 8" cherry

Spk set P.O.T. I.P. set Flush 11/10/56

783 15rm

S&W N. side 20" cherry

60 28

Monument box set Aug 64

35 43

Milk House

Kotrilik Barn

41 83

179-31 359-02

No. Curve

Spk set Sept. 55 I.P. set Flush 11/10/56

201 44rm

Mulberry Rd (1955) 121+40 =

Δ = 8-00 R
℄R = 1432.69
D = 4-00
T = 100.19
E = 3.50
L = 200.00

PT = 121+02.6
PI = 120+
PC = 119+02.6

117+50 =

24"X40' Corr → 115+80

Replace 24"X40' Cone.

P.I. 107+62.15

15"X38' conc-often → ±105+60

Replace to 15"X40 cone

Note: all angle points from here to Fowlers Mills Rd were set per this P.S. Pgs 6-9

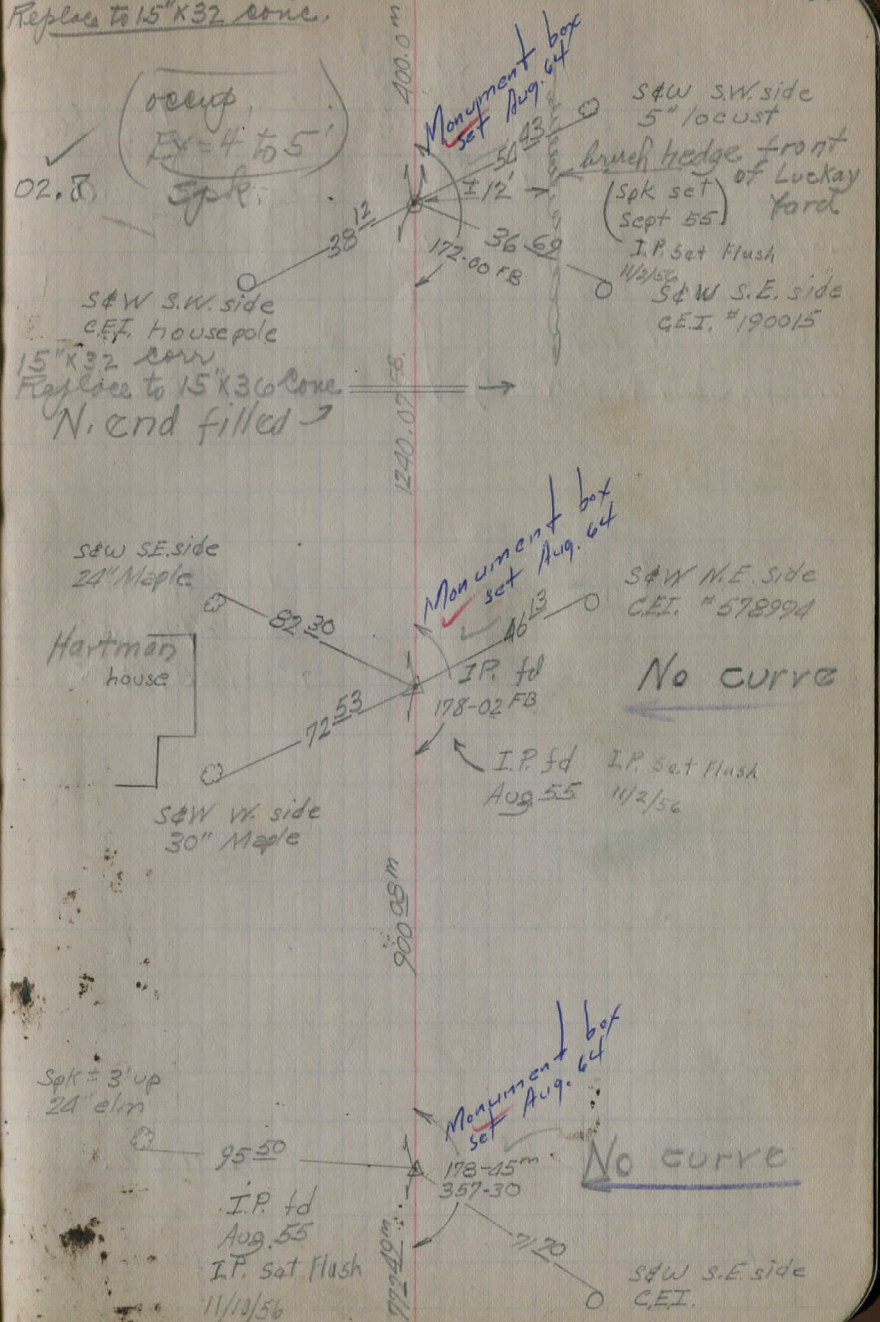
98+62.7

15"X28' conc → (partly filled) 96+45

Replace 15"X32' cone

15"X28' conc → 65

Replace to 15"X32 cone.



℄ Δ = 26-30 L
R = 478.34
D = 12-00
T = 112.63
E = 13.08
L = 220.83

PT = 137+25.85
PI = 136+17.65
PC = 135+05.0

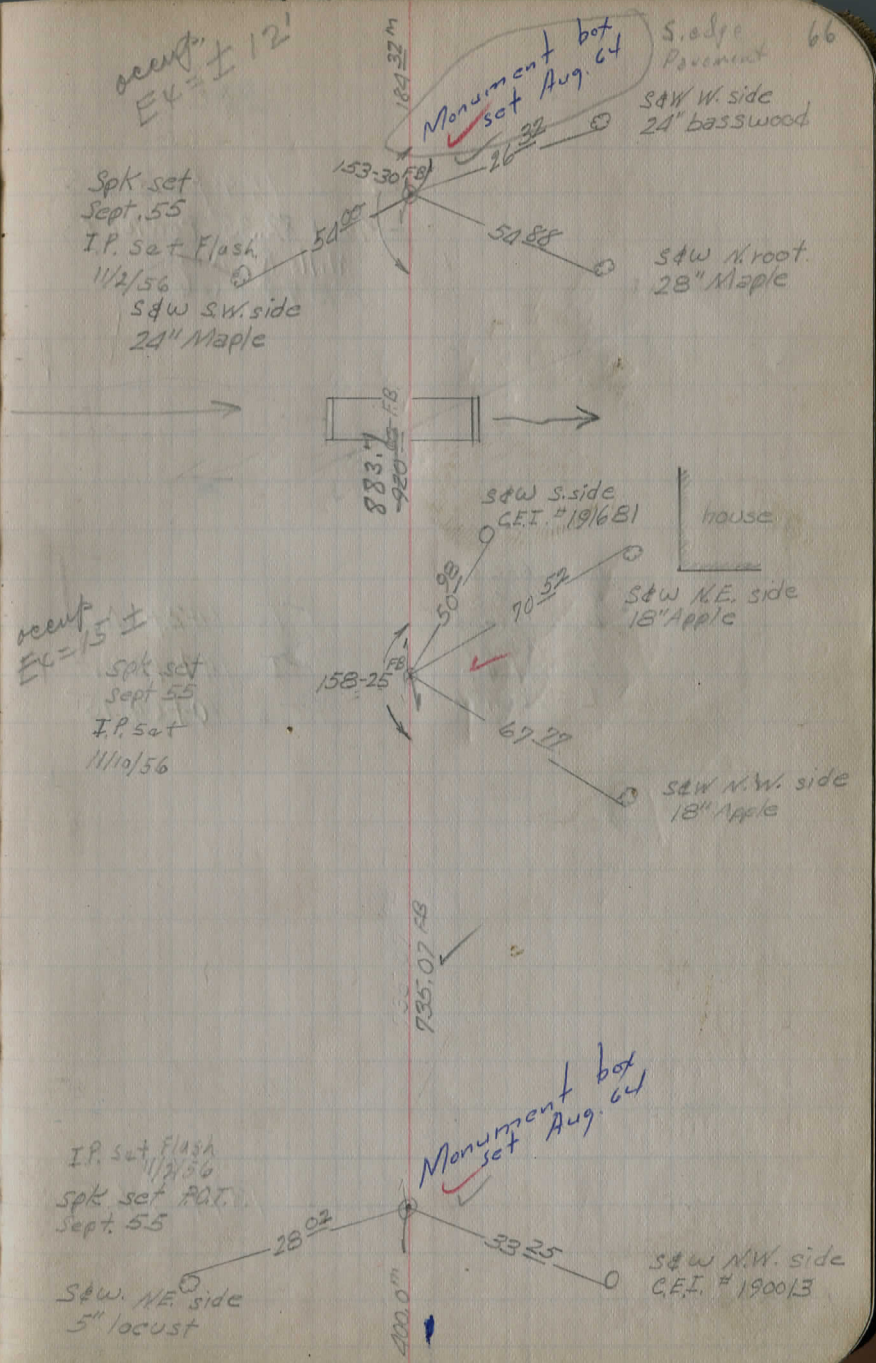
6.67 = Top of footer to bot. slab
10.5 = Clear span
34.0 = Over all lngth
(Includes 6.5 ext. S. end & 3 ft. N. end)

} Bridge 130±50

℄ Δ = 21-35 L
D = 7-00
R = 819.02
T = 156.0
E = 14.17
L = 308.3

PT = 128+89.95
PI = 127+37.65
PC = 125+81.65

124+02.6

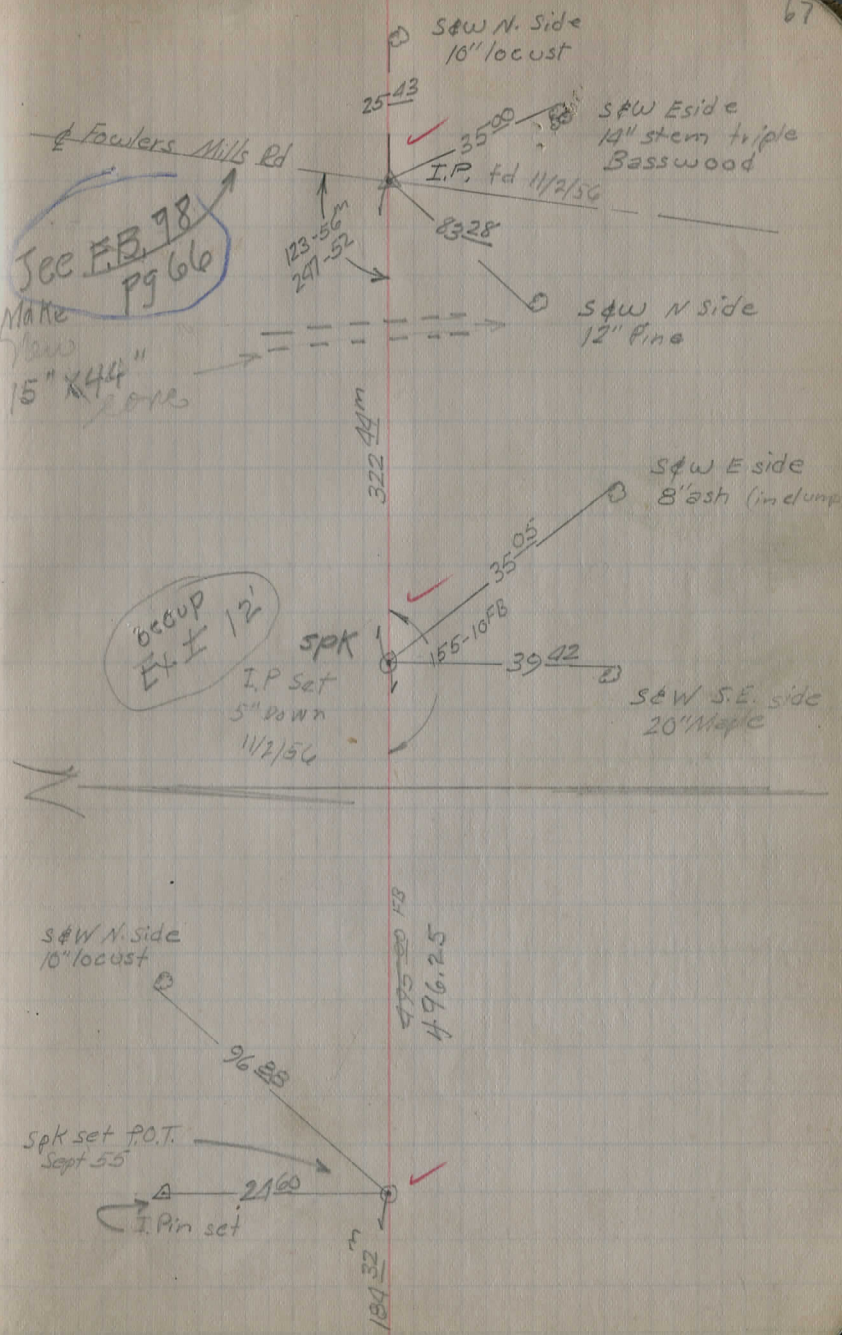


= PI. 144+28.25
= 42+82.35 Fowler's Mills Rd Notes FB 98 p 66

Δ = 24-50
℄ R = 478.34
D = 12-00
T = 105.32
E = 11.46
L = 206.94

PT. 142+11.1
PI = 141+09.45
PC = 140+04.15

137+77.5



IMPROVED TABLES
AND
INFORMATION

X-section & Topo

Mulberry Rd North side

#39 pt Sec B

39+15 To 47+84

CHAPIN → EAST

Mulberry Rd X-sections + Topo

North side

Assumed B.M. 100.00 @ ℄ chapin + Mulberry

sta.	N.	
41+50		
41+49	30.2'	WIRE FENCE @
41+49	28.2'	C.E.I.
41+0		
40+50		
40+0		
39+67	17'	End 24" Conc. Pipe
39+64		℄ chapin
39+50		
39+45	17'	24" Conc. Pipe Crossing

B. Kosie
D. Kosie
P. Ranney
9/25/69

46+62.35 (1)
Mulberry + East Hill

North

100.00
6.20
30

100.61
5.55
20

99.50
6.70
17

101.10
5.10
13

101.67
4.53
9

101.83
4.37

END FENCE 148 W. OF O.P.

6.79
30

5.51
22

98.76
7.41
18

5.89
14

6.10
9.4

101.22
4.98

7.35
30

6.39
22

98.35
7.85
17

6.46
13

5.75
9.5

100.61
5.59

7.80
30

7.45
2.4

97.02
D
9.18
17

T.B.
6.59
12

E.P
6.29
9.5

100.17
6.03

9.44

100.00
6.20

6.81
30 Rd.

E.P.
6.44
9

99.89
6.31

chapin st 9.34

H.I. 106.20

Sta.	N	
44+0	—	
43+90	24'	8" Locust
43+50		
43+0		
42+74	16.5	End 30" Conc. Pipe
42+61	✓	& Dirt DR. 22' Apron 12' DR.
42+54	16.5	Begin 30" Conc. pipe
42+50		
42+0		

North

103.63	104.61	102.26	104.55	105.06	105.16
9.93	8.95	11.33	9.10	8.50	8.93
30	24	17	12	8	

103.80	102.96	101.59	103.75	104.15	104.29
9.76	10.60	12.00	9.81	9.41	9.30
30	24	17	12	8	

H.I. 113.59

102.23	102.99	100.70	102.49	103.33	103.56
3.97	3.21	5.50	3.71	2.89	2.64
30	24	16.5	13	8.5	

6.09

Crossing DR. 5.89

101.95	102.55	100.85	102.40	102.78	102.83
4.25	3.65	5.35	3.80	3.42	3.39
30	23	17	14	8.4	

100.30	101.58	100.10	101.10	102.16	102.31
5.50	4.58	6.10	5.10	4.04	3.89
30	20	17	14	8.7	

H.I. 106.20

③

5+0	N			
				108.00
45+50		6:1	6:1	7' B.D.
				105.60
45+0		6:1	6:1	6' B.D.
44+96.9	26.5		(3)	5" Locust
44+91	26.5		6"	Locust
44+78	26'		12"	Locust
44+74	29'		4"	Tree
44+67	25'		8"	Locust
44+60	29'		6"	Tree
				104.00
44+50				
44+38	26"		6"	Locust
44+33	26'		10"	Locust
44+12	23'		6"	Locust

108.26
5.30 / 21
104.69
8.90 / 20
105.09
8.47 / 13
107.55
6.01 / 12
108.23
5.33 / 9
108.80
4.29

107.11
6.45 / 25
104.02
9.54 / 20
103.89
9.76 / 15
107.06
6.5 / 11
107.39
6.19 / 8.5
107.60
5.99

106.76
6.80 / 25
103.14
10.95 / 20
103.41
10.15 / 15
105.64
7.92 / 12
106.21
7.35 / 8
106.36
7.23

9' wide

H.I. 113.59

④

sta.	N.		
47+84			End deep Ditch
47+50	2:1	2:1	1' B.D.
47+0	2:1	1:1	4' B.D.
46+68	4 E.P.	BEGIN WOODEN G.R	6"x6"x8.5'
46+50	2:1	1:1	5' WIDE
+27	4' E.P.	END WOODEN G.R	6"x6"x8.5'
46+0	10:1	B.D 6.5'	
45+60	24'		12" Locust
45+57			Ditch Runs North
45+50	24'		6" Locust

111.29

2.30	1.91	3.80	1.19	0.59	113.04	
30	22	19	16	9.5	0.55	

110.19						
3.41	2.46	4.72	1.80	0.98	112.54	
30	22	19.5	19	9.5	1.05	

Average

T. B. To T. B

9' ±

108.98	110.20					
4.58	3.36	6.00	2.44	1.45	112.08	
30	21	19	12.5	9.5	1.51	

107.46						
6.10	5.55	6.84	2.95	2.36	111.30	
30	20	18	12	9	2.29	

107.89						
5.69	5.00	7.55	7.55	4.44	3.92	110.00
30	20	18	13	12	9	3.59

H.I. 113.59

E & E Mulberry & Chapin 5

Assumed B.M. 100.00

+ 6.20

H.I. 106.20

T.P. - 2.11

Elev 104.09

+ 9.50

H.I. 113.59

Reliance Universal Inc.

Concrete Products Division

Reliance

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Phone 221-2355

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Pittsburgh 20, Pa.
Phone 561-0770

MELBOURNE, KY.
P.O. Box 10
Newport, Ky.
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LOUISVILLE, KY.
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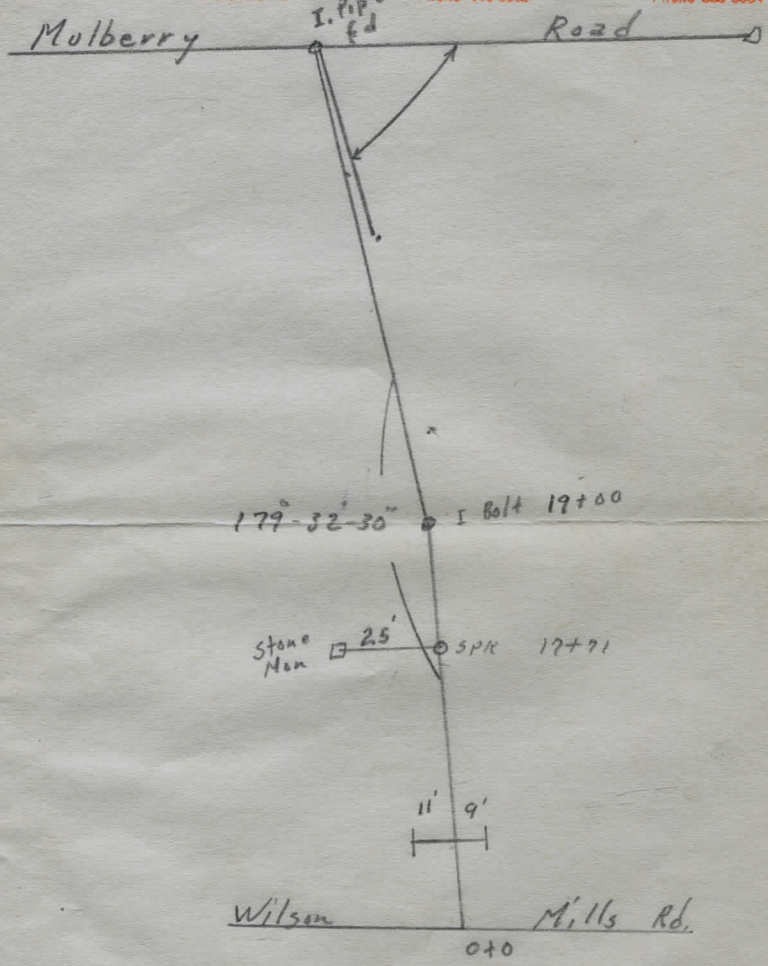
Louisville, Ky.
Phone 368-6534



SEWER, CULVERT AND PRESSURE PIPE — LO-HED AND FLAT BASE PIPE
INNER CIRCLES TUNNELINER — PRECAST, PRESTRESSED BRIDGE SECTIONS
HI-HED PIPE — AMSEAL AND RUBBER GASKET JOINTS

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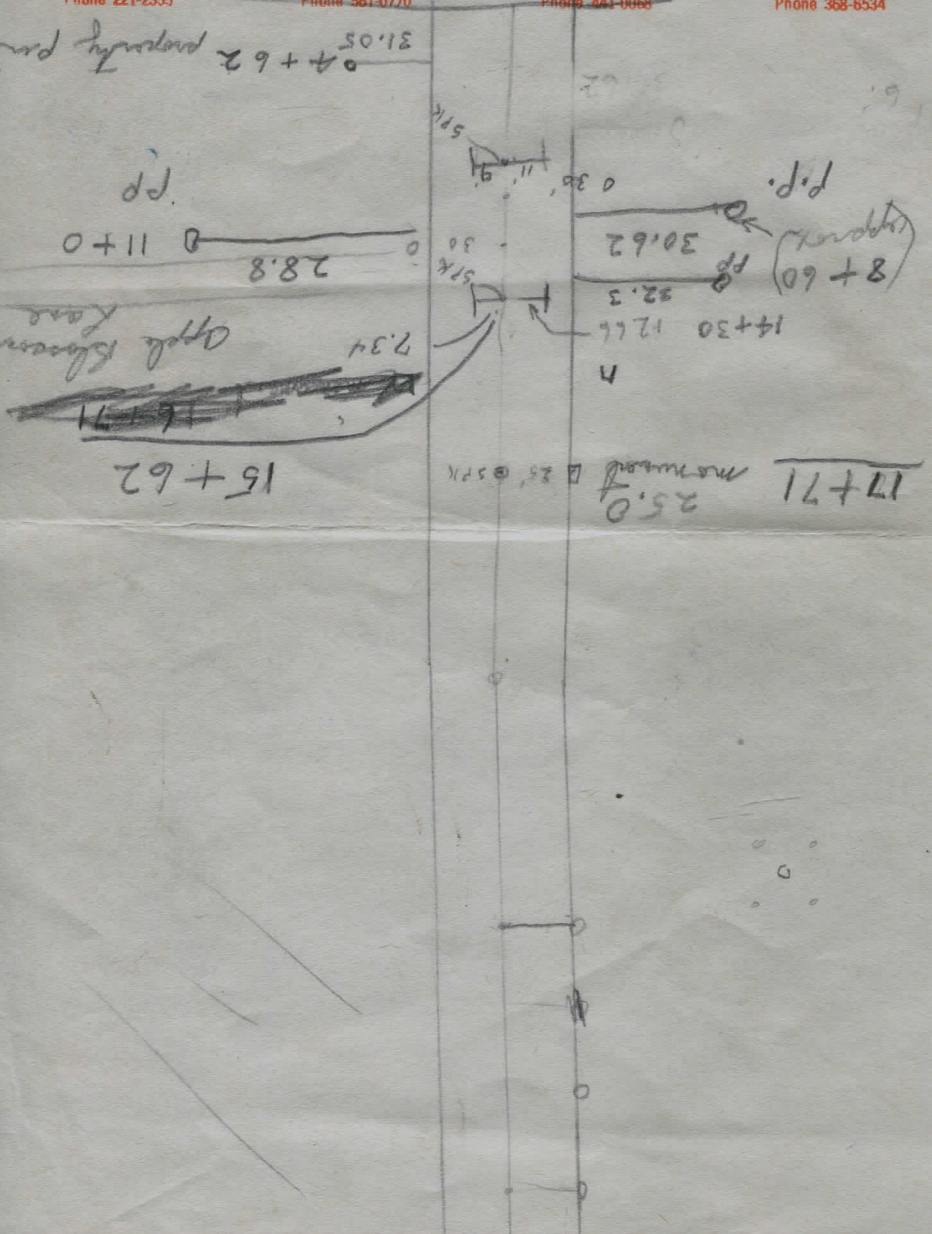

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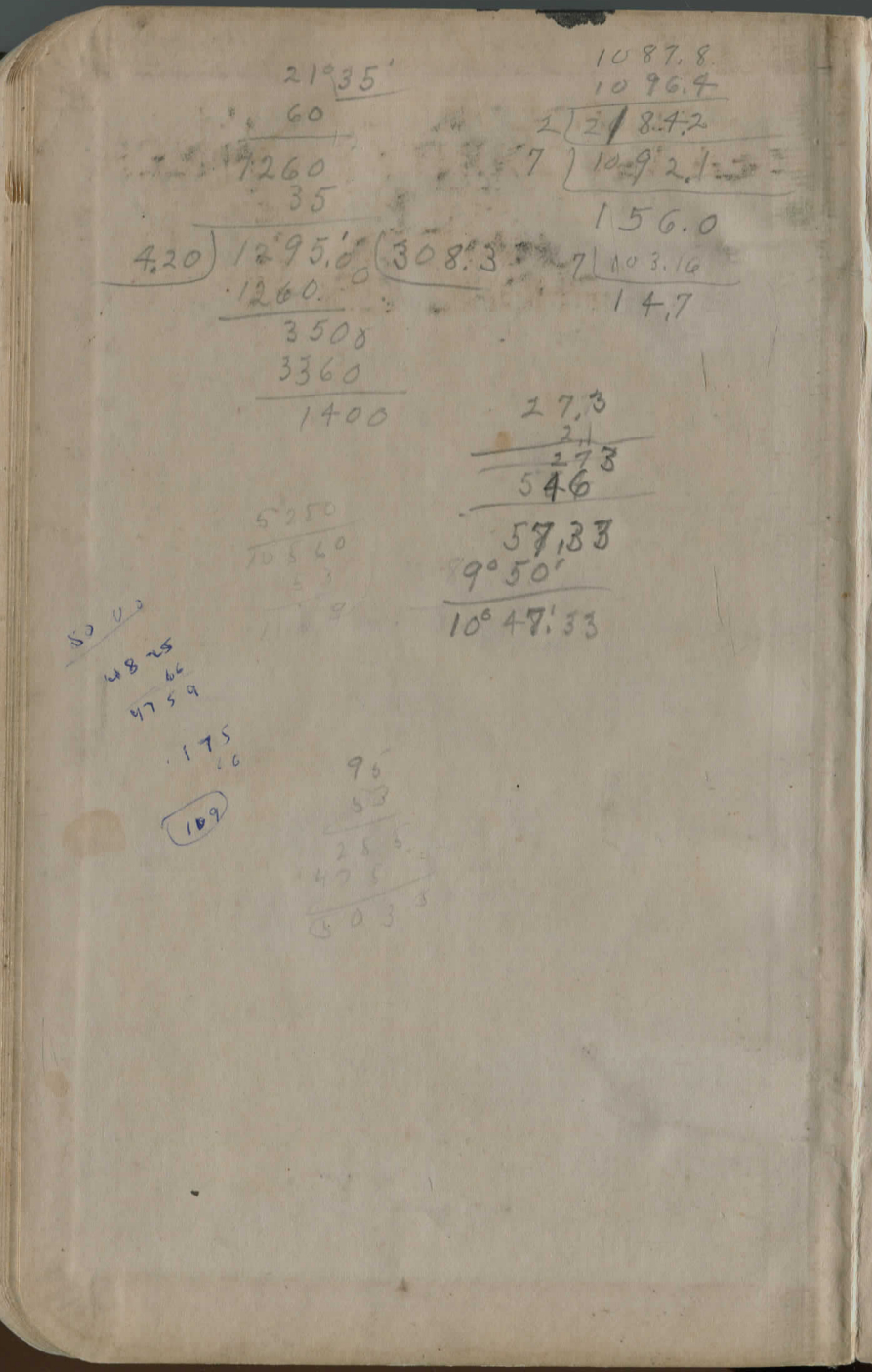

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