OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN:

PLAN ..... Survey

COUNTY RD. G

From Birch Lake Blvd. S. To Centerville Rd

Road Acc't. No. .....

Date Filed 11-8-29 File .....

PROJ. 30-11

10-25-29
(Clear Warm)

K Weber
Beaton
Bell

Transit Notes.
County Road "G."
From So. Birch Lake Rd To
Centerville Road.
Sta. 64+ 68½ To Sta. 105+16.4±

PROJ - 30 - 11

89+00.63

Triangulation over Swamp

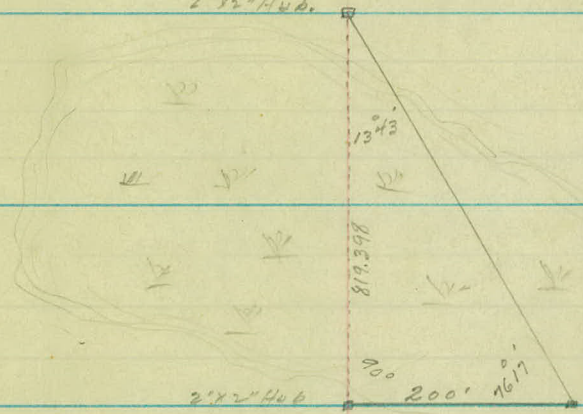
80+81.23

78+68.0 No. East cor. Sec. 21 - R3W - T. 22 W.

73+73.8

64+68.12

10-25-29



30" Oak

89.77

Mont.

59°33'

36" Twin Oak

2"x2" Hub.

18" Oak

50'

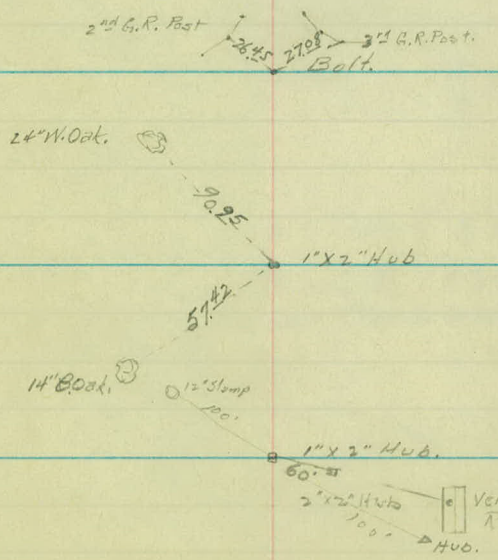
2648.42 = Meas. Dist
2647.87 = Rec. "
.55 Error

105+16.42 North ¼ Cor. Sec. 21-T30N-R22W.

101+00 P.O.T.

91+52.28 P.O.T.

10-25-29


2nd G.R. Post
26.45
27.08
3rd G.R. Post.
Bolt.
24" W. Oak.
9.25
1"X2" Hub
51.42
14" B.Oak.
0 12" Stump
100.
1"X2" Hub.
60.
2"x2" Hub
100.
Hub.
Vent. in side of Red Barn.

Sta.				
B.M.	3.67	936.63		932.96
T.P.	4.39	936.37	4.65	931.98
	5.96	939.62	2.71	933.66
B.M.			3.84	935.78
			4.05	935.57
T.P.	1.99	928.78	12.83	926.79
T.P.	5.67	924.17	10.28	918.50
	10.61	933.15	1.63	922.54
	10.85	943.64	0.36	932.79
B.M.			1.43	942.21
T.P.	1.06	931.82	12.88	930.76
	5.89	926.47	11.24	920.58
B.M.	11.95	934.27	4.15	922.32
	13.08	946.90	0.45	933.82
	13.27	959.91	0.26	946.64
	8.84	968.75	0.00	959.91
B.M.			2.76	965.99
	7.02	967.22	8.55	960.20
B.M.			5.00	962.22
			5.44	961.78

Clear Warm 10-25-29

Spike in 20" Oak 60' Lt Sta. 64-43

Top Sta. Near Sta 70+00

Spike in 20" Oak 60' Lt Sta. 77+90.

Top Mont. Sta. 78+68.0

R.R. spike in 60' Lt. Sta 91+90

Top State 92+50

Spike in 24" Oak 60' Lt Sta 99+75

Spike in 24" Oak 65' Lt Sta. 101+70

Spike in 20" Oak 12' Lt Sta 104+80

℄ Centerville Pave.

Sta					
	3.54	936.50		932.96	
64					
+83					33.1.
+90	Bottom Ditch				30.8.
+96					32.0.
65					31.9.
66					32.8.
67					31.6.
68					31.5.
69					31.4.
70					31.8.
T.P.	4.04	936.02	4.52	931.98	
71					30.2.
+50					26.5.
72					23.9.

Lt ℄ Rt.

spike in 20" oak 60' Lt Sta 64+43 10-26-29

3.7/40	3.5/37	3.0/22	3.4	5.1/8	4.7/17	5.0/40	5.0/50	
3.0/40	2.9/37	3.5/12	5.7	4.6/9	4.2/14	4.7/40	4.8/50	
2.9/40	3.5/17	5.1/9	5.2/4	4.8	4.6/20	4.9/40	5.0/50	
3.0/40	3.4/25	4.7/12	4.3/3	4.6	4.6/20	4.9/40	5.0/50	
	5.0/40	4.3/7	3.7	4.7/20	5.0/40	5.0/50		
	4.7/40	4.7/20	4.9	4.9/20	5.2/40			
	5.0/40	4.8/20	5.0	4.9/20	5.0/40			
	5.1/40	5.2/20	5.1	5.0/20	5.1/40			
	5.2/40	4.9/20	4.7	4.7/20	4.6/40			
	7.1/40	6.7/20	5.8	4.7/20	4.1/40			
	12.2/40	11.0/20	9.5	7.5/20	5.2/40			
	13.8/40	13.6/20	12.1	9.6/20	6.9/40			

72		936.02			
+50					24.9.
73					27.5.
+75					32.5.
74					32.9.
75					32.0.
76					33.5.
T.P	6.25	939.91	2.36	933.66	
77					34.3.
B.M.			4.13	935.78	
78					34.6.
B.M.					
79					35.6.
+70					35.1.
80					30.4.
T.P	1.34	928.15	13.12	926.79	
+17					24.8.
+28					20.9.

Lt ℄ Rt. 10-26-29

14.2/40 13.3/20 11.1 9.4/20 7.4/40

11.8/40 10.4/20 8.5 5.5/30 5.8/40

5.6/40 5.2/30 3.7/7 3.5 3.9/20 3.7/40

5.3/40 4.4/20 3.1 3.2/20 3.0/40

4.8/40 4.6/20 4.0 4.2/20 4.2/40

3.4/40 3.3/20 2.5 3.2/20 3.8/40

Top of Stake at Sta. 76+00

6.6/40 6.2/20 5.6 5.9/20 6.1/40

Spike in 20" Oak 60' Lt Sta. 77+90

4.9/40 5.0/20 5.3 5.0/20 5.0/40

4.3/40 4.0/20 4.3 4.5/20 4.4/40

4.2/40 4.6/20 4.8 4.9/20 5.1/40

7.5/40 8.5/20 9.5 10.7/20 10.4/40

3.3 3.7/7 6.2/10 6.6/20 6.9/40

6.8/40 7.0/20 7.2 7.3/20 8.0/40

		928.13			
81		Beg. Swamp.			17.4.
+50					16.2.
+70					15.4.
T.P.	5.33	923.82	9.64	918.49	
" "	7.19	929.74	1.27	922.55	
86				915.94	13.9. Low.
87.					16.2.
88					16.4.
+50					17.9.
89					20.0.
+80					23.1.
90					24.7.
T.P.	13.49	939.17	4.06	925.68	
+50					29.2.
91					34.7.

10-28-29

10.7 10.7 10.7 10.6 11.0
40 20 20 40

11.9 11.9 11.9
40 40

12.7

See late X-sections for this

13.8 space.

13.5

12.7 13.8 13.3 13.1 13.2
40 20 20 40

12.2 12.0 11.8 12.0 12.1
40 20 20 40

9.9 9.7 9.7 9.4 10.0
40 20 20 40

3.8 5.5 6.6 7.2 7.6 7.7
40 20 4 20 40

1.3 3.6 5.6 6.0 6.5 6.2
40 20 5 20 40

5.5 8.2 10.0 10.1 10.5 9.5
40 20 3 20 40

6.2 6.1 4.5 3.9 3.6 3.6
40 20 20 40 50

		939.17			
T.P.	4.68	943.34	0.51	938.66	
91					
+50					39.0.
B.M.			1.12	942.22	(942.21)
+85					38.1.
92					36.8.
+50					30.8.
	0.28	931.05	12.57	930.77	
93					25.0.
+50					21.4.
94					20.2.
			10.47	920.58	
95					20.6.
T.P.	6.00	927.03	10.02	921.03	
96					20.8.
97					21.1.
98					21.4.
99					22.0.

10-28-29

60/40 5.3/20 4.3 4.6/20 4.7/40

R.R. spike in 20" Oak 60' Lt Sta. 91,±90

3.0/40 4.2/20 5.2 5.2/20 6.0/37 6.9/45

3.0/40 5.1/20 6.5 7.3/30 8.4/40

7.7/40 10.8/20 12.5 14.2/3 16.6/20 17.6/40

(7.9)

1.9/40 3.0/31 3.9/12 6.1 7.2/5 7.8/20 8.3/40 8.3/50

(8.0)

6.9/40 8.4/20 9.7 10.2/20 10.1/40

(8.0)

10.4/40 10.8/20 10.9 10.7/20 10.4/40

(8.1)

10.4/40 10.5/20 10.5 10.4/20 10.3/40

(3.7)

6.1/40 6.2/20 6.2 6.2/20 6.0/40

(0.8)

6.0/40 6.1/20 5.9 6.0/20 6.0/40

(-3.3)

5.9/40 5.7/20 5.6 5.6/20 5.5/40

(-8.3)

5.5/40 5.3/20 5.0 4.4/20 4.0/40

99		927.03			
+40					22.6.
T.P.	12.02	934.34	4.71	922.32	
+50					24.6.
B.M.	12.91	946.74	.51	933.83	(933.82)
100+00					41.3.
+25					46.5.
T.P.	13.49	960.15	0.08	946.66	
+50					52.1.
T.P.	8.86	968.75	0.26	959.89	
101+00.					61.1.
+50					63.2.
102					62.4.
+50					62.7.
103					60.0.
104					59.7.
+50					61.1.
+83	E R/W Centerville Rd. Top Slope.				62.5.
T.P.	6.90	967.09	8.56	960.19	

10-28-29

5.2/40	4.8/20	4.4	4.0/20	3.4/40	
9.7/40	9.7/20	9.7	10.0/20	9.4/40	
4.4/40	4.7/20	5.4	7.3/13	7.9/20	9.3/40
+2.2/40	+1.0/20	0.2	1.6/10	4.4/30	4.9/40
1.7/45	4.0/20	8.1	10.2/14	10.9/30	11.2/40
9.3/40	7.7/20	7.7	8.8/20	9.8/40	
5.4/40	4.8/20	5.6	7.0/12	8.7/30	10.3/40
3.4/40	5.2/20	6.4	6.9/14	7.5/30	8.1/40
5.8/40	5.6/20	6.1	5.7/20	5.6/40	
10.8/40	10.5/20	8.8	7.8/2	7.1/15	4.8/40
12.0/40	12.0/30	9.1	8.0/2	8.1/15	7.0/40
10.1/40	8.4/20	7.7	8.1/20	8.0/40	
10.5/40	9.0/30	6.3	7.6/7	7.3/30	7.5/40

104 96709

+92 Bottom Ditch 58.2.

105+03 Top of Shoulder 61.8.

+16.42 ℄ Pave Centerville Rd. 61.8.

B.M. 4.89 962.20 962.22

10-28-29

8.7/40 8.9/20 8.9 8.3/20 8.0/40

5.0/40 5.0/20 5.3 5.7/20 5.8/40

4.8/30 5.3 5.85/60

spike in 20" Oak 12' Lt Sta. 104+80

B.M.	3.93	739.71 ✓		735.78 ✓
	1.58	728.81 ✓	12.48	727.23 ✓
82				16.0
83				15.8
84				15.9
85				15.9
86				16.1
87				16.2
	12.60	739.83 ✓	1.58	727.23 ✓
B.M.			4.05	735.78 ✓

13.0 / 40	4.5	13.0 / 50	13.0 / 40
	12.8		
13.0 / 40	4.6		13.0 / 40
	13.0		
12.9 / 40	4.7		12.7 / 40
	12.9		
12.7 / 40	4.8		12.9 / 40
	12.9		
12.7 / 40			12.6 / 40
	12.7		
12.4 / 40			12.3 / 40
	12.6		

10-28-29

Topog. Notes.
Co Road "G"
So. Birch Lake Rd. To Centerville Rd.
Sta. 64+68½ To

74

73

72

71

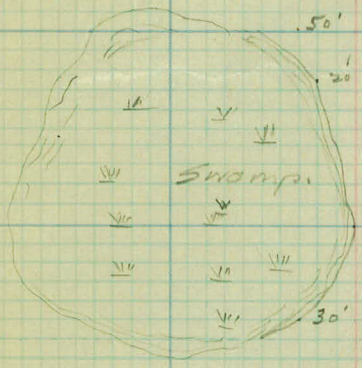
66

65

10-28-29

+58' = 16" Apple 10.' Twin.

+10 - 12" Apple 10'
+00 = Beg. orchard.



Cultivated

Cultivated

Iron

+56.7 Iron and End Fence. 3.

+83 = Shoulder.

So Birch. Lk Rd.

+95 F.Cor. 4'
+77 T.P. 20'

82

81

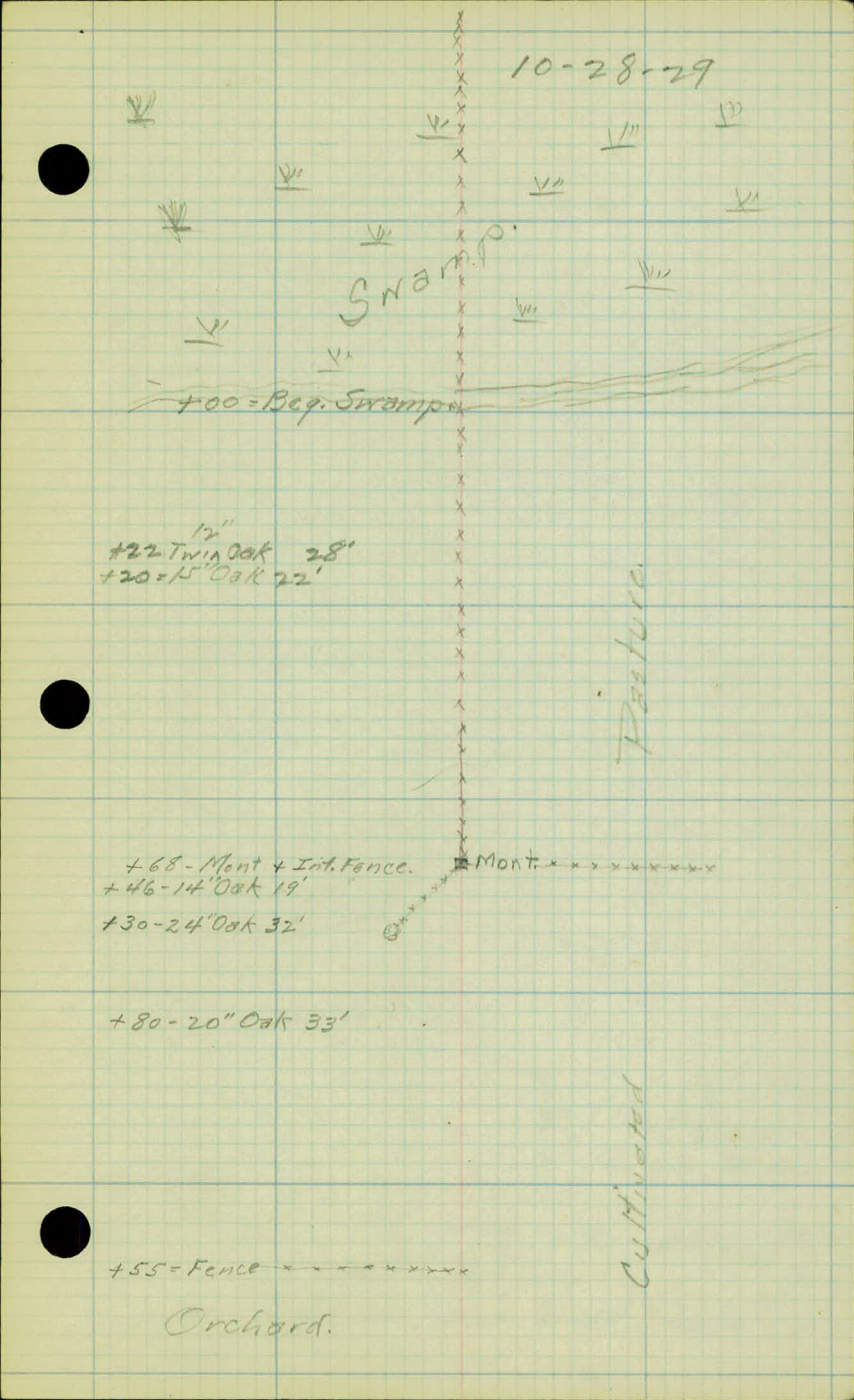
80

79

78

77

76


10-28-29
Swamp.
+00 = Beg. Swamp
12"
+22 Twin Oak 28'
+20 = 15" Oak 22'
Pasture.
+68 - Mont + Int. Fence.
Mont.
+46 - 14" Oak 19'
+30 - 24" Oak 32'
+80 - 20" Oak 33'
Cultivated
+55 = Fence
Orchard.

93

92

91

90

89

88

10-28-29

+00 End Cultivation

End Cult. Rt

+26 = 12" Oak 2'
+10 = 12" Oak 2'
+96-6" Oak 2'
+92-10" W.O. 32' + F. Cor.

Cultivated

Cultivated

+00 = Beg. Cultivation

+46 End Swamp
+46 Int. Fence Rt.

45°

Swamp.

99

98

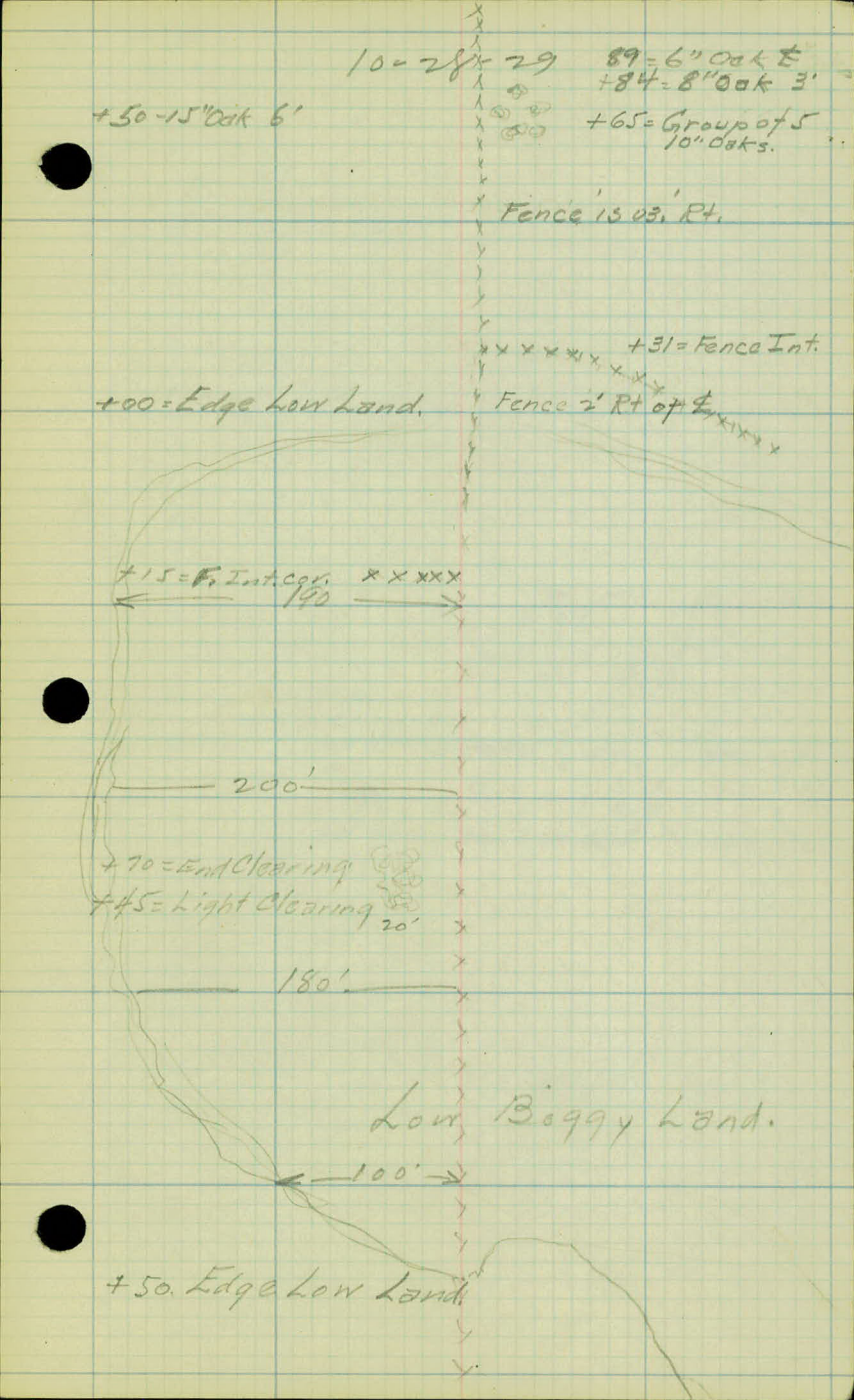
97

96

95

94

93


10-28-29
89=6" Oak E
+84=8" Oak 3'
+50-15" Oak 6'
+65=Group of 5
10" Oaks.
Fence 13.03' Rt.
+31=Fence Int.
+00=Edge Low Land.
Fence 2' Rt of ℄
+15=Fence Int. cgr.
200'
+70=End Clearing
+45=Light Clearing
20'
180'
Low Boggy Land.
100'
+50. Edge Low Land.

105 & Centerville Pave.

104

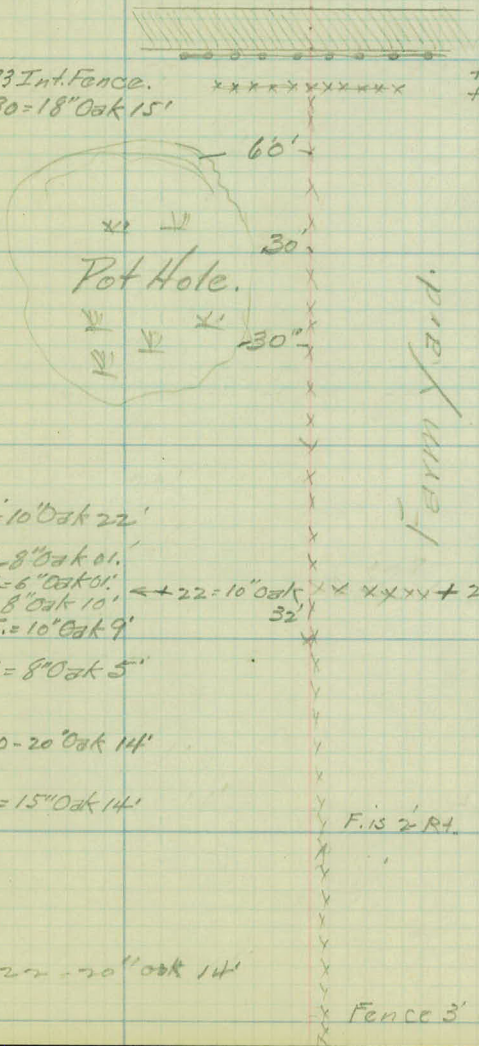
103

102

101

100

10-28-29


+03. G.R.
+97 = Rd Sg. E
+80 = 12" B.E. 2'
+83 Int. Fence.
+80 = 18" Oak 15'
60'
30'
Pot Hole.
30"
Fence Y Yard.
+68 = 10" Oak 22'
+28 - 8" Oak 01.
+24 = 6" Oak 01.
+11 = 8" Oak 10'
+05 = 10" Oak 9'
+22 = 10" Oak
32'
+28 Int. Fence.
+96 = 8" Oak 5'
+40 - 20" Oak 14'
+10 = 15" Oak 14'
+68 = 24" Oak 6'
+19 = 6" Oak 5'
+93 = 15" Oak 3'
F. is 2' Rt.
+22 - 20" Oak 14'
Fence 3' Rt.

Soundings

30:1

SOUNDING # 1 30' RT STA. 81+00

0 - 5' MUCK. VERY WET.

5' - 12' FINE SAND. " "

6' FIRM BOTTOM.

SOUNDING # 2 15' RT STA. 81+00

0' - 5' MUCK. VERY WET.

5' - 10' FINE SAND

6' FIRM BOTTOM.

SOUNDING # 3 ON ℄ AT STA 81+00

0' - 5' MUCK VERY WET.

5' - 11' FINE SAND

6' FIRM BOTTOM.

SOUNDING # 4 15' LT. OF STA 81+00

0' - 4.5' MUCK VERY WET

4.5 - 8' FINE SAND.

6' FIRM BOTTOM.

SOUNDING # 5 30' LT. OF STA. 81+00

0' - 4.5' MUCK VERY WET.

4.5 - 8' FINE SAND.

6' FIRM BOTTOM.

Crane made Soundings
at Sta. 81+00

12-23-29

Sounding #1 30' Rt Sta. 82+00
0-13 Wet Black Muck
13-16 Fine Sand & Soft Clay.
16' Plus 2' Compact sand

Sounding #2 15' Rt. Sta. 82+00
0-13 Wet Muck
13-16 Fine sand & Soft Clay.
16 Plus 1' Compact sand.

Sounding #3 On ℄ at Sta. 82+00
0-14 Wet Muck
14-16 Fine sand & Soft Blue Clay
16' Plus 1' Compact Sand

Sounding #4 15' Lt Sta. 82+00
0-13 Wet Muck.
13-16 Fine sand & Blue Clay
16-Plus 2' = Compact sand

Sounding #5 30' Lt Sta 82+00
0-13 = Wet Muck soft.
13-16 = Soft Blue Clay & Fine sand.
16-Plus 1' Compact sand.

These soundings were taken with ½" pipe and a plunger connection on lower end, for taking samples. Forcing pipe to different depths with the aid of three (3) men. Total weight appx. 500 lbs.

12-23-29

Sounding #1 = 30' Rt Sta 83+00
0-14 Wet Black Muck
14-20 Soft Clay & Black Sand
20-Plus 2' Compact Sand

Sounding #2 15' Rt Sta. 83+00
0-14 Wet Black Mush
14-21 Soft Clay & Fine Sand
21 Plus 1' = Compact Sand

Sounding #3 on ℄ at Sta 83+00
0-15 Wet Black Muck
15-21 Soft Clay & Black Sand
21-Plus 1' = Compact Sand

Sounding #4 15' Lt Sta 83+00
0-15 = Wet soft Muck
15-21 = Fine Sand & Soft Clay
21-Plus 1' Compact Sand

Sounding #5 30' Lt Sta 83+00
0 To 14 Wet Black Muck
14-20 Soft Clay & Black Sand
20 To Plus 1' = Compact Sand

Soundings Sta 83+00 taken same as at Sta. 82+00

12-26-29

Sounding #1 = 30' Rt. Sta. 84+00
0-18' = Wet Black Muck
18-27 = Fine sand + Soft Clay
27-Plus 2' = Firm Bottom

Sounding #2 15' Rt Sta. 84+00
0-17½ Wet Black Muck
17½-29 Soft Clay + Fine sand
29-Plus 1' = Firm Bottom.

Sounding #3 ℄ Sta 84+00
0+18 Wet Black Muck
18-29½ Soft Clay + Fine Sand
29½-Plus 1½ Firm Bottom.

Sounding #4 15' Lt. Sta. 84+00
0-18' Wet Black Muck
18-29½ Soft Clay + Fine Sand
29½-Plus 2' = Firm Bottom.

Sounding #5 30' Lt Sta. 84+00
0-18 = Muck
18-28½ = Soft Clay
28½ Plus 1½ Firm Bottom.

Soundings take at Sta. 84+00 taken same as at Sta. 83+00

12-26-29

Sounding # 1 30' Rt Sta. 85+00
0-16 Wet Muck
16-26' Soft Clay
26' Plus 1' Firm Bottom.

" #2 15' Rt
0-16 Wet Muck
16-27 Soft Clay
27- Plus 1' Firm Bottom

" #3 on ℄ of Sta. 85+00
0-16 Wet Muck
16-29 Soft Clay.
29-Plus Firm Bottom Clay + Fine sand.

" #4 15' Lt 85+00
0-16 Wet Muck
16-26.5 Soft Clay.
26.5 Plus 0.5 Firm Bottom

" #5 30' Lt 85+00
0-16.5 Wet Muck
16.5-26.5 Soft Clay
26.5 Plus 1' Firm Bottom.

Sta. 85+00 Soundings made same as at Sta. 84+00

12-26-29

Sounding #1 30' Rt Sta 86+00
0-14' Wet Muck
14-18 Soft Clay
18 Plus 1' Firm Bottom.

" #2 15' Lt of Sta 86+00
0-15' Wet Muck
15-19 Soft Clay
19 Plus as Firm Bottom.

" #3 on ℄ at Sta 86+00
0-16 Wet Soft Muck
16-19½ Soft Clay
19½ Plus 1' Firm Bottom Fine Sand.

" #4 = 15' Lt - same as #3 ℄

" #5 30' Lt = same as #3

Soundings at Sta 86+00 taken
Same as at Sta. 85+00

(P.S.) When last sounding was made at this Sta. on raising pipe discovered plunger was missing.

12-26-29

Sounding #1 30' Rt Sta 87+00
0-10± Muck
10±-14 Soft Clay.
14 Plus' Firm Stiff Clay

" #2 15' Rt Sta 87+00
0-11 Wet Muck
11-14 Soft Clay
14 Plus' Firm Bottom Stiff Clay

Sounding #3 on ℄ at Sta 87+00
0-11 Wet Mush
11-13± Soft Clay.
13±Plus' Firm Bottom Stiff Clay

" #4 15' Lt Sta. 87+00
0-12 Wet Muck
12-14± Soft Clay
14±-Plus Firm Stiff Clay

" #5 30' Lt
0-12 Muck
12-15 Soft Clay
15' Plus' Firm stiff Clay

Soundings at Sta. 87+00 were take in same manner as at Sta. 86+00 with exception of plunger.

9-27-29

Sounding #1 30' Rt Sta. 88+00
0+10± Soft Muck
10± Plus 1' Firm Stiff -- Clay

" #2 15' Rt Sta 88+00
Same as #1

" #3 On ℄ Sta 88+00
0-11± Wet Muck
11± Plus 1' Firm Stiff Clay.

" #4 15' Lt Sta 88+00
Same as #5

" #5 30' Lt
0-13 Soft Muck
13 Plus 1' Firm Clay.

These, sounding were made in same manner as preceding soundings with exceptions of plunger.

9-27-29

Sounding # 1 30' Rt. Sta. 94+00
0'-2' Moist Peat
2'-5' Pressed Blue Clay.
5'-12' Soft Blue Clay.
12-Plus 1' Firm. Fine sand Clay + Gravel.

2 15' Rt. Sta. 94+00
0-5 Same as ℄ Sounding.

" # 3 on ℄ Sta 94+00
0-5' Moist Peat
5'-12.5' Clay + Fine sand
12.5'-14 Firm Bottom Sand, Gravel and Clay.

" # 4 15' Lt Sta. 94+00
Same as ℄

" # 5 30' Lt. Sta. 94+00
0'-4' Moist Peat
4'-14' Soft Clay + Fine sand
14-Plus 0.5 Firm, Fine sand Clay and Gravel

Soundings No. 1-2-3-4 and 5 at Sta. 94+00 were taken by means of a two(2") inch auger attached to ½" pipe and specimens take at 1.ft intervals

4-27-49

Sounding #1 50' Rt Sta 95+00
0-9' Moist Peat
9' Plus Firm Clay + Gravel Bottom

" No. 2 15' Rt of Sta 95+00
0-12 Moist Peat
12-Plus 0.5 Firm Clay + Gravel

" #3 on ℄ at Sta. 95+00
0-17 Moist Peat
17-Plus 1.5 Firm Clay + Gravel Bottom.

" #4 15' Lt Sta. 95+00
0-19 Moist Peat
19-Plus 1' Firm Clay + Gravel Bottom

" #5 30' Lt. Sta 95+00
0-14 Moist Peat
14-21.5 Brown Loam (Loose)
21.5 Plus 1' Firm Clay + Gravel Bottom

Soundings at Sta. 95+00 were
take in same manner as
at Sta. 94+00

12-28-29
Sat. P.M.

Sounding #1 30' Lt. Sta. 96+00
0-8 Moist Peat.
8-12± Soft Blue Clay.
12±-Plus Stiff Blue Clay Fine sand & Gravel.

12-30-29

" #2 Sounding same as #1

12-28-29

" #3 ℄ Sta. 96+00
0-10' Medium wet Peat
10-13 Dark Soft Clay or Loam
13-16± Pure Blue Clay (Medium Soft.)
16±-Plus 1± Clay fine sand & Gravel (Firm)

12-30-29

#4 Sounding same as #3 ℄

12-30-29

#5 30' Lt
0-9± Wet Peat
9±-12± Dark Grey Clay
12±-14 " " " and Peat
14-16± Blue Clay.
16±-Plus Firm Clay fine Sand & Gravel.

Sta 96+00 These soundings taken as at Sta. 95+00

12-30-9

#1 30' Rt Sta. 97+00
0-9½ Moist Peat
9½-11½ Firm Fine sand Clay + Gravel.

15' Rt.
#2 Sounding as at #1

#3 ℄ on Sta. 97+00
0-9 Moist Peat
9-11½ Soft Blue Clay
11½ Plus 1' Firm fine sand Clay + Gravel

#4 15' Lt.
Same as at # 5

#5 30' Lt Sta 97+00
0-9 Moist Peat
9-12 Loose Clay + Fine Sand.
12 Plus 2' Firm Clay Fine Sand and. Gravel.

Soundings were made
Same as preceding one.

12-30-29

Sounding #1 30' Rt Sta. 98+00
0-9 Moist Peat.
9-12 Thick Blue Clay
12 Plus Firm Clay Fine sand & Gravel

" #2 15' Rt
0-8½ Med to Wet Peat
8½-13½ Thick Blue Clay
13½-Plus1' Firm Clay & Gravel.

" #3 ℄ Sta. 98+00
0-8 Medium to wet Peat.
8-14 Thick Blue Clay.
14 Plus 1' Firm Clay sand & Gravel

" #4 15' Lt
Same soundings as ℄

" #5 30' Lt Sta.
0-8½ Medium to wet Peat.
8½-14 Thick Blue Clay
14' Plus Firm Bottom.

Sta 98+00 Soundings made as at
Sta 97+00

12-30-29

Sounding #1 30' Rt. of Sta. 99+00
0-2 Compressed Loam
2-7½ Moist Peat
7½-9½ Blue Clay & Quick sand.
9½-15 Thick Compressed Clay.
15' Plus Firm Bottom

" #2 15' Rt.
Sounding #5 at #3 ℄

" #3 ℄ Sta. 99+00
0-2 Comp. Loam
2-7½ Moist Peat
7½-9½ Clay & Quick Sand.
9½-15' Compressed Clay
15 Plus Firm Bottom.

" #5 30' Lt Sta. 99+00
0-1½ Compressed Loam
1½-5½ Peat
5½-7½ Sandy Clay.
7½-10 Compressed Blue Clay
10' Plus Firm Bottom.

Soundings made same as at Sta 98.

Co. Road "C"
Proj # 30-11
Art. Topog. on Conn.
at End of Proj.

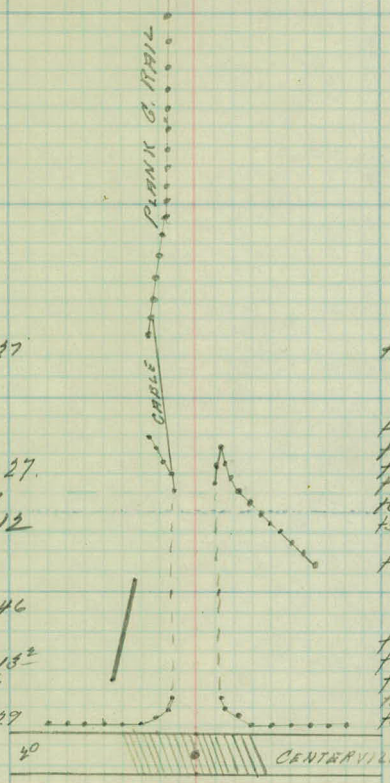
108

107

106

105

4-1-30



+94 G. RAIL 14 3/4

+30 BEG G. RAIL 27

+77 END G. RAIL 27

+58 G. RAIL 13

+51 BEG G. RAIL 12

+07 SIGN BOARD 33

+54 SIGN BOARD 46
+47 T.P. 32
+49 STOP SIGN 13
+45 END G. RAIL 13 3/4
+38 G. RAIL 16
+34 G. RAIL 22
+30 G. RAIL PLANK 29

105+26 42/100 P.I.
Δ - 0°-02' R.

+29 3/4 EDGE OF PAVE Q

+66 X RD SIGN 13
+62 STOP SIGN 11 1/2
+66 G. RAIL 20
+71 G. RAIL 13 1/2
+62 G. RAIL 10 1/2
+55 BEG G. RAIL 11 1/2

+30 G. RAIL 43

+37 I.R. SIGN 18
+45 END G. RAIL 12 1/2
+38 G. RAIL 15 3/4
+34 G. RAIL 22
+30 G. RAIL 27 3/4

Co. Road "C"

Prod. # 30-11

X SEC. ON Conn. AT END

OF Prod.

B.M.	5.62	967.84	962.22	
105+26 42	EDGE OF PAVE			61.8
105+30				61.8
105+40				61.9
105+70				61.4
106+00				61.7
106+42				62.6
106+70				63.6
107+00				64.5
107+29 8				64.8
107+65				65.0
108+00				65.3
108+50		1.60		66.24
109+00		0.75		67.09
109+50		+0.70		68.54
110+00		+1.70	✓	69.54
B.M.		5.62	962.22	

4-1-30

SIX IN 20 OAK 12 LT STR 104+80

				5.74			6.44	6.63	6.95	6.97	6.97	← EDGE OF PAVE
				33	6.08	33	50	100	150		156	
											← E.P.	
			5.7	6.0		6.3	6.5	7.0	6.9	6.80		
			33	21	6.0	21	50	100	150		158	
											← E.P.	
10.3	10.1	6.2			6.6	7.6	10.5	11.7	10.5	6.7	6.84	
33	22	13	5.7	13	22	50	100	117	134		150	
10.3	10.6	6.8	6.4		6.4	7.0	10.6	11.8	11.5	6.0	6.27	
33	18	11	8	6.4	9	13	20	50	76	96	105	
											← E.P.	
10.4	10.4	6.6	6.2		6.1	6.5	10.7	10.4	5.6	5.60		
33	18	11	7	6.1	8	11	17	47	64		70	
											← E.P.	
10.3	9.5	5.6	5.4		5.2	5.6	8.6	9.0	4.7	4.80		
33	19	12	8	5.2	7	11	17	24	34		40	
									← E.P.			
8.5	4.8	4.4		4.1	4.13	5.68	5.36	5.4				
33	23	10	4.2	8	22	46	46	50				
								← E.P.				
2.2	8.1	3.6	3.4		3.51	5.30	4.97	5.2				
33	27	25	13	3.3	9	34	34	40				
							← E.P.					
7.7	2.7	2.7			4.81	4.51	4.7					
34	25	6	3.04		24	24	30					
						← E.P.						
7.7	7.3	2.5	2.52		3.98	3.67	3.7					
35	37	20	7	2.83	16	16	22					
					← E.P.							
6.2	6.1	2.2	2.12		3.11	2.78	2.7					
33	22	15	10	2.45	12	12	18					

Co. Road "C"

Proj. # 30-11.

X Sec. for Borrow Pit.

Between Sta. 89+50 to 93+50.

B.M.	0.80	943.02		942.22	
T.P.	0.82	933.62	10.22	932.80	
89+50					22.2'
90+00					24.7'
90+50					29.2'
	10.99	943.79	0.82	932.80	
90+50					
91+00					34.7'
91+50					39.3'
92+00					36.8'
92+50					30.7'
93+00					
	2.40	933.19	13.00	930.79	
92+00					
92+50					
93+00					25.0'

4-1-80

LEFT

RIGHT.

8.9 8.9 8.3 8.2 7.4 11.1 10.7
150 131 100 83 50 30 4 11.4

12.7 12.7 12.2 11.4 10.7 8.3 5.6
24 50 78 100 111 130 150

3.7 3.8 2.7 2.3 4.5 7.5 7.9
150 130 100 80 50 22 8 8.9

9.4 10.1 9.9 8.1 5.9 3.6 2.3
4 22 50 73 100 125 150

0.6 3.2 3.7
36 17 2

4.7 5.0 4.4 4.1 2.1 1.8 1.7 1.7
4 6 28 50 66 90 100 123 150

10.2 9.5 7.7 6.3 5.4 8.3
150 123 100 88 72 50

14.6

7.3 8.8 10.3 10.5 10.8 9.4
150 131 100 50 22 6 7.1

8.8 8.3 9.0 10.4 10.9 9.8 8.6 9.3 10.5
8 33 50 64 83 100 123 137 150

5.0 5.2 6.5 6.6 6.3 4.7
150 132 100 80 50 7 4.5

5.0 4.9 5.8 7.9 11.0 10.7 11.1 12.2
14 37 50 73 100 106 127 150

4.5 3.5 2.1 1.8 3.2 6.3
150 119 100 92 50 16 7.0

7.6 11.4 13.0
27 50 60

X

3.9 3.3 1.2 1.6 6.4 11.4 12.0 11.9
150 140 100 88 50 21 11 7 13.1

1.9 2.1 5.7 7.1 13.7
150 137 100 80 50

18.8

+3.6

3.9 4.3 6.0 7.0
85 100 135 150

+2.5

3.9 6.8 7.9 8.2 6.8 6.3 8.2
3 23 50 83 100 134 150

4.9 6.0 7.2
29 12 7

9.0 10.1 10.2 9.8 9.2 10.3 12.2
8.2 4 24 50 85 100 127 150

		933.19			
937.50					21.5
	12.91	945.70	2.40	930.79	
B.M.			1.48	942.22	

4-1-30

LEFT								RIGHT					
+2.8	+2.0	1.8	3.4	5.4	7.7	9.4		12.0	11.7	11.1	12.1	12.2	12.2
150	136	100	89	63	50	27	11.7	45	50	60	85	100	150

16 18

× × 65+00 to 66+00 - Gr. 1 T.
× × 74+00 to 80+15 - Cl. 28 T. Gr. 33T. Lt.
× × 77+00 Lt - P. 15" x 20 CM
× × 78+68 to 80+15 - Gr. 50 wide on Rt 0.17 Ac.
× × 81+00 - P - 36" x 60' P3. Haul / 25.92 / 1 / 9174
× × 91+50 to 92+50 - Cl. 5 T Gr. 21 T. Lt
× × 93+70 - P - 24" P3 x 72 H.D. Haul / 23.80 / 1 / 9188
× × 93+50 to 98+00 - H.D. on Rt & Lt
× × 95+00 to 96+00 - Cl. 7 T. Lt
× × 99+50 to 103+00 - Cl. & Gr. 50' wide on Lt 0.40 AC
× × 103+00 to 104+00 - Cl. & Gr. 1 T. Rt
× × 104+50 to 105+00 - Cl. & Gr. 2 T. Lt.
× × 105 + 03 - Remove 100' G.R.

all driveways from property lines.
Remove G.R. at end of Proj.

× 68+00 Rt - 15" × 20 CM.
× 68+00 Lt "
× 73+00 Rt "
× 73+00 Lt "
× 80+20 Rt. "
× 90+00 Rt "
× 90+00 Lt "
× 103+50 Rt "
× 103+50 Lt "

M. M. Carley

U 252