Bk 21 - Dr. 11A

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan Survey

SHERWOOD ROAD

From Groveland St. To Long Lake Rd.

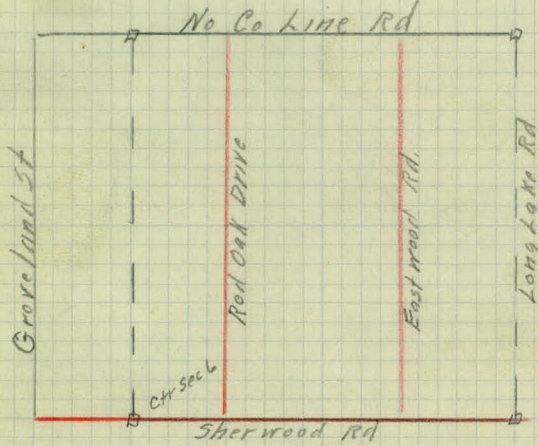
Road Acc't. No. M-49

Date Filed 10-26-37 File

1/9/39 R.P
H.W.
A M
L.G.

Plan Survey

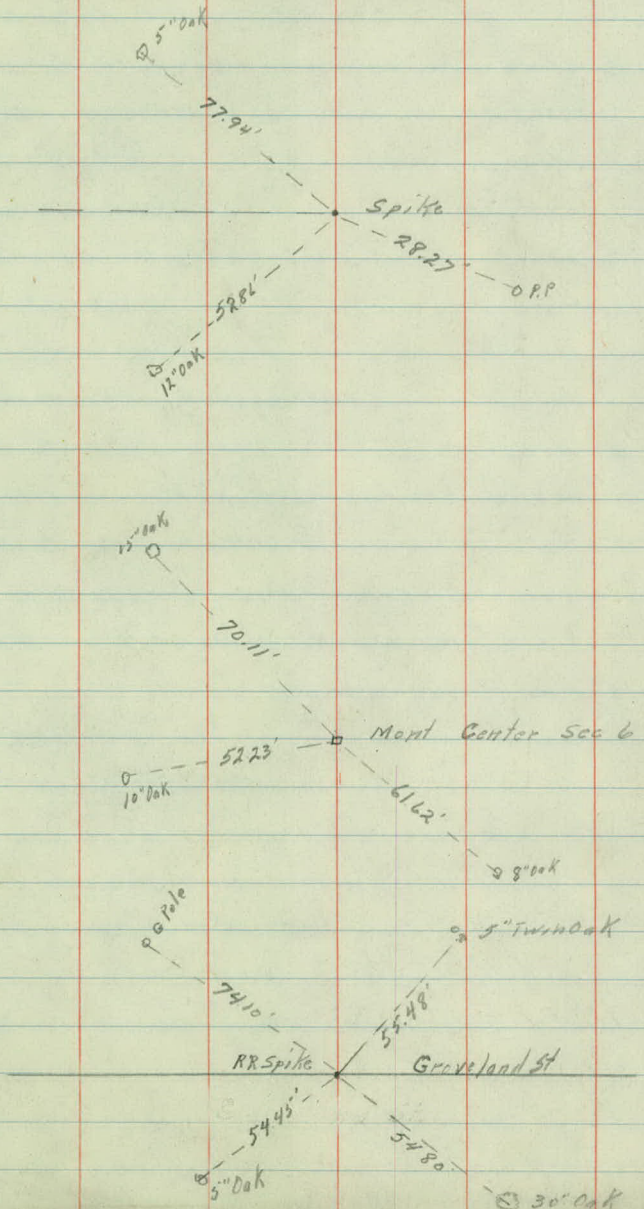
Roads In Sec 6
Twp 30 N R 23 W.



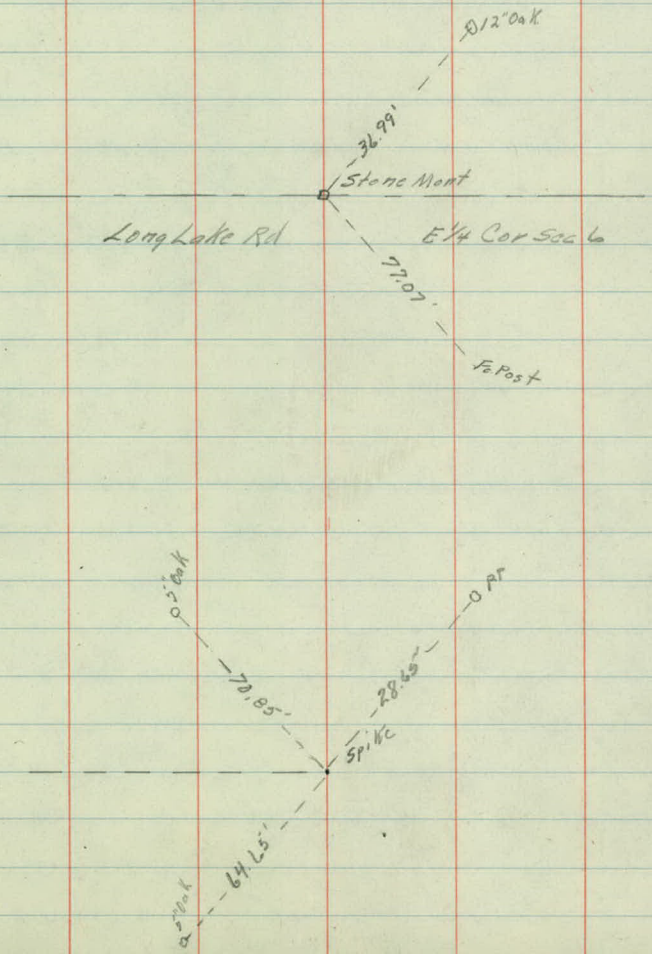
Index

Alignment
Sherwood Rd.

Sta.	Pt.	Δ Lt	Δ Rt
10+11.49 =	P.O.T.		
0+00	℄ Red Oak Drive		
4+83.49			
0+00			


5" Oak
77.94'
Spike
28.27'
O.P.
52.82'
12" Oak
12" Oak
70.11'
Mont Center Sec 6
52.23'
10" Oak
61.62'
8" Oak
5" Twin Oak
P.G. Pole
74.10'
55.48'
RR Spike
Groveland St
54.45'
54.80'
5" Oak
30" Oak

Sta.	Pt.	Δ Lt	Δ Rt
31+23.69	P.I.		
20+67.49 =	P.O.T.		
0+00	℄ Eastwood Drive		


D 12" Oak
36.99'
Stone Mont
Long Lake Rd
E¼ Cor Sec 6
77.07'
Fe Post
O 5" Oak
70.85'
28.65'
O Pt
Spike
64.45'
2" Oak

Artificial Topography

Sherwood Rd

6

5 Rd 11-1

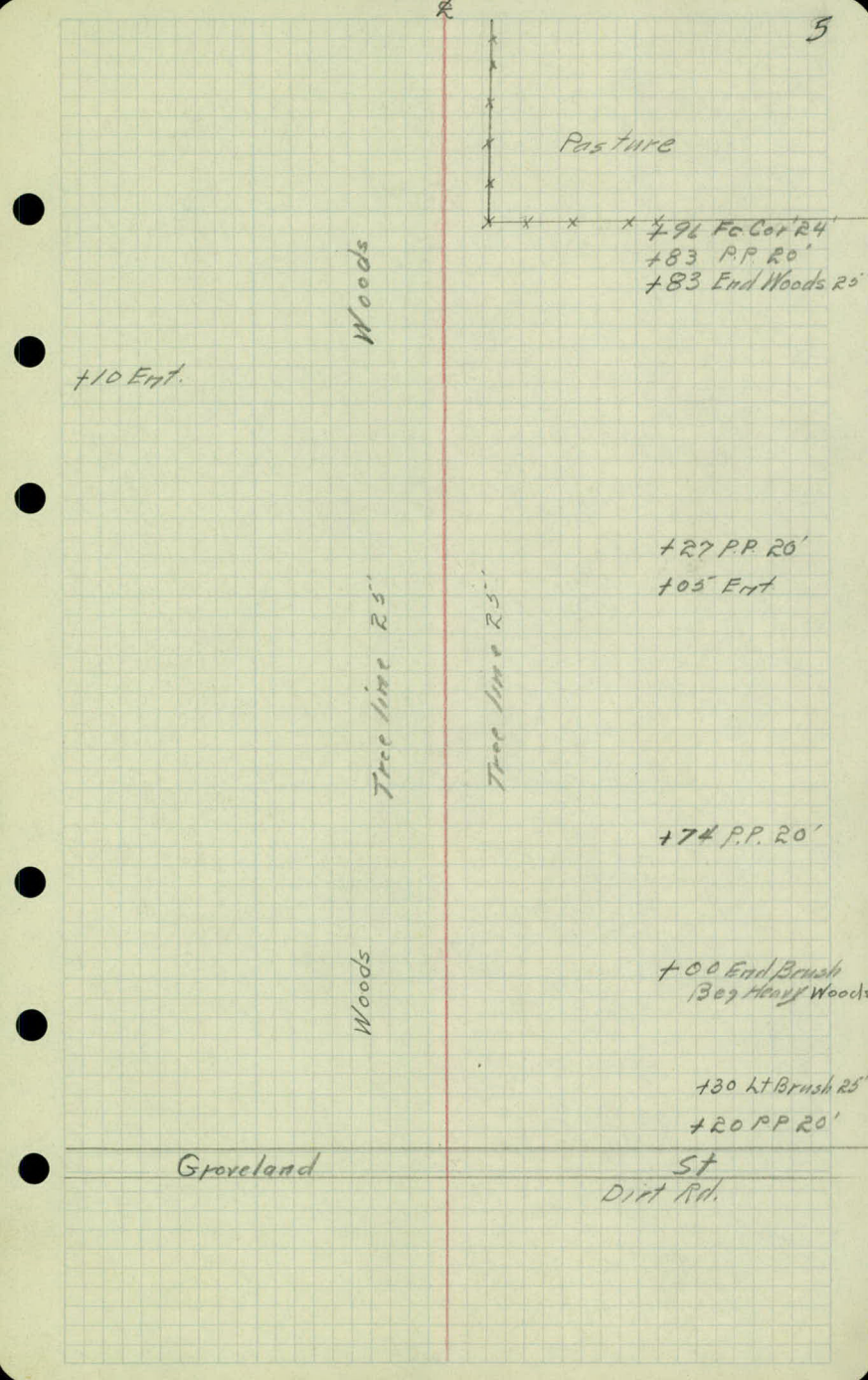
4 Rd 11-2

3 Rd 8-3

2 Rd 6-5

1 Rd 5-5

0700 Rd 10-10


℄
Pasture
+96 Fe Cor 24'
+83 P.P. 20'
+83 End Woods 25'
Woods
+10 Ent.
+27 P.P. 20'
+05 Ent.
Tree line 25'
Tree line 25'
+74 P.P. 20'
+00 End Brush
Beg Heavy Woods
Woods
+30 Lt Brush 25'
+20 P.P. 20'
Groveland St
Dirt Rd.

12 Rd 11-0

11 Rd 11-0

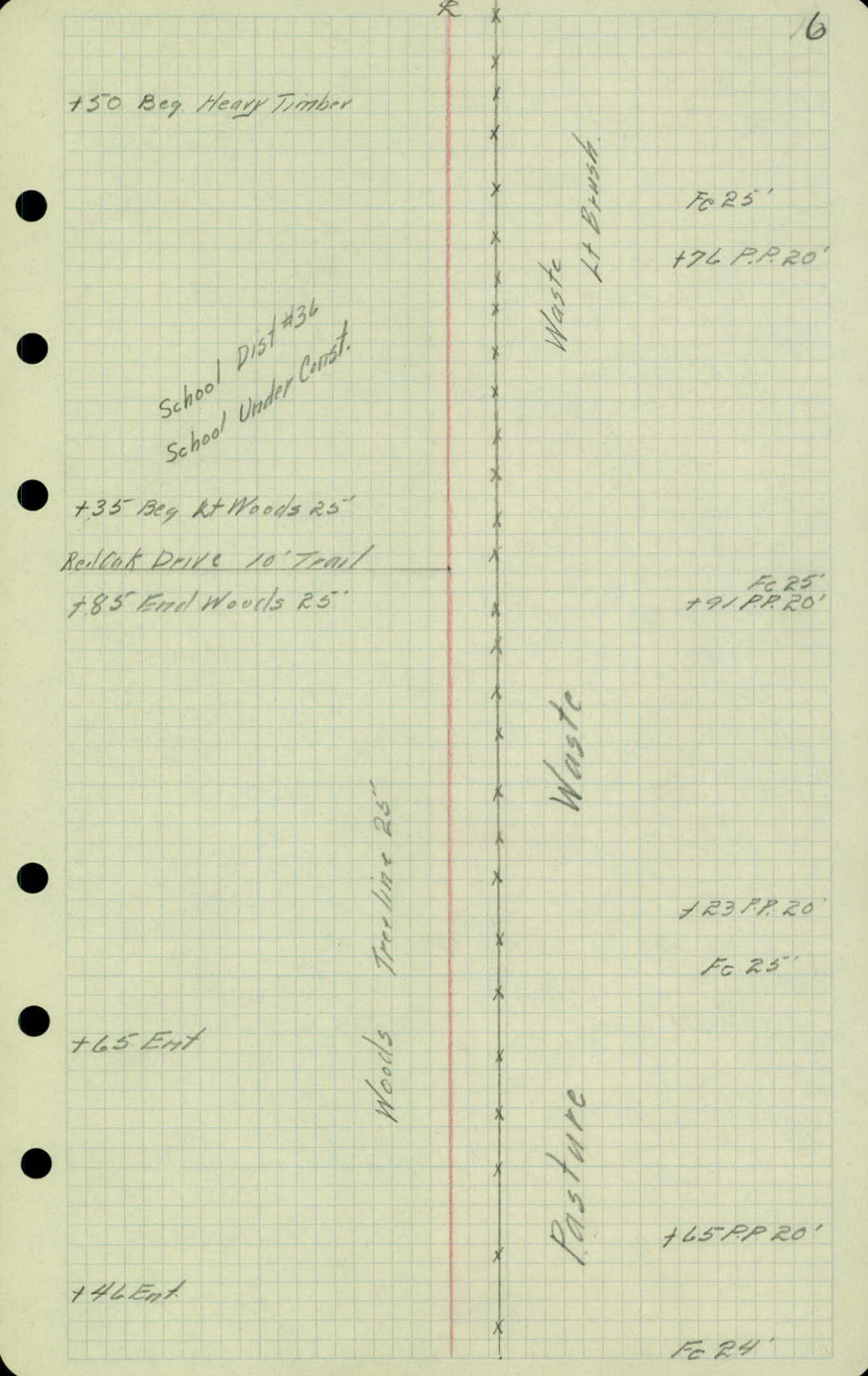
10 Rd 11-0

9 Rd 10-2

8 Rd 9-2

7 Rd 10-2

6 Rd 12-1


℄
+50 Beg. Heavy Timber
Waste
Lt Brush
Fc 25'
+76 P.P. R0'
School Dist #36
School Under Const.
+35 Beg. Rt Woods 25'
Redcat Drive 10' Trail
+85 End Woods 25'
Fc 25'
+91 P.P. R0'
Waste
Tree Line 25'
+83 P.P. 20'
Fc 25'
+65 Ent
Woods
Pasture
+65 P.P. 20'
+46 Ent
Fc 24'

19 Rd 9-2

18 Rd 11-0

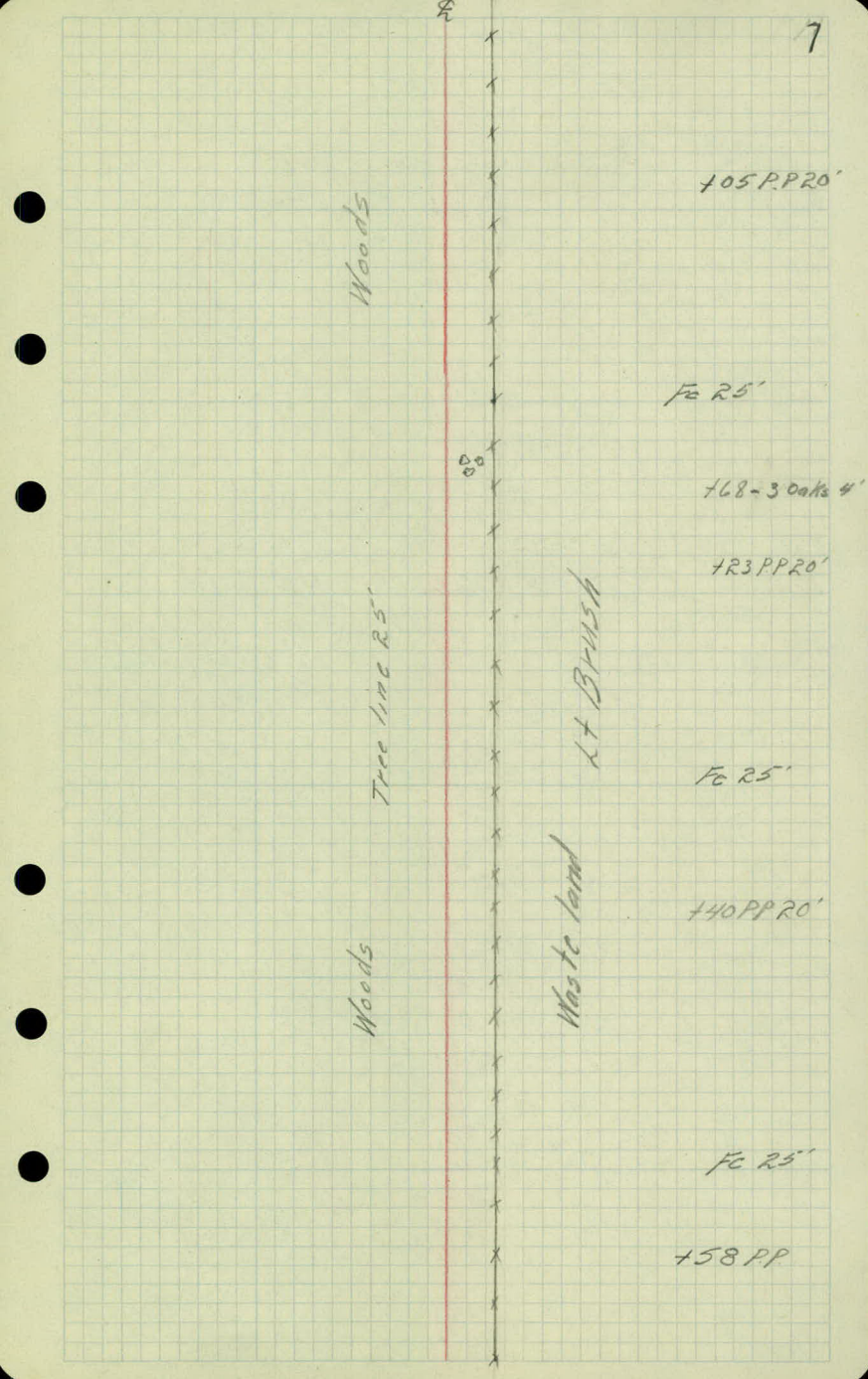
17 Rd 11-0

16 Rd 11-0

15 Rd 11-0

14 Rd 11-0

13 Rd 11-0


℄
Woods
Tree line 25'
Woods
Waste land
Lt Brush
105 P.P 20'
Fc 25'
68 - 3 Oaks 4'
23 P.P 20'
Fc 25'
40 PP 20'
Fc 25'
58 PP

26 Rd 5-6

25 Rd 5-6

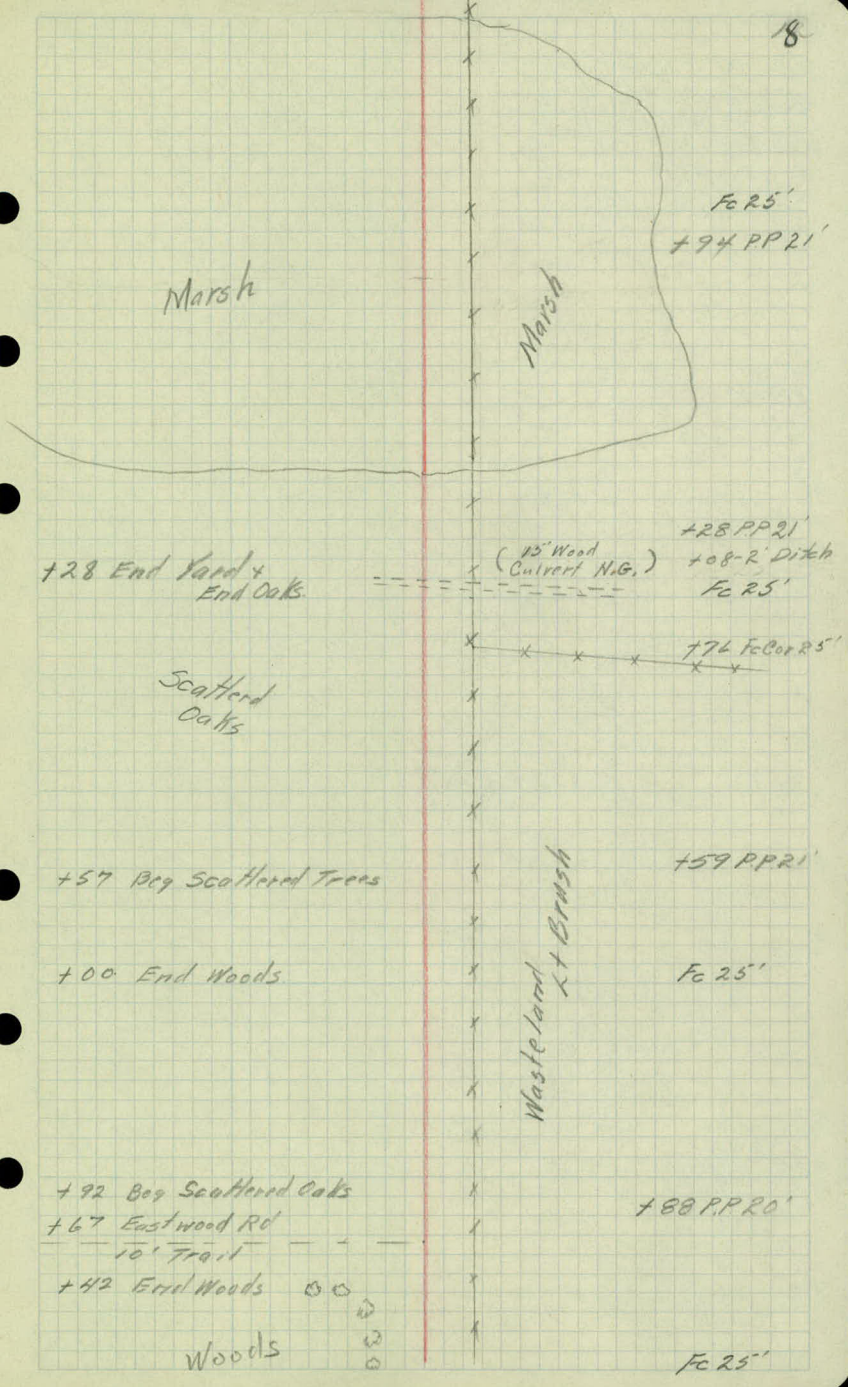
24 Rd 7-4

23 Rd 9-2

22 Rd 10-0

21 Rd 7-3

20 Rd 2-4


Fc 25'
+94 PP 21'
Marsh
Marsh
+28 PP 21'
+28 End Yard + End Oaks
(15" Wood Culvert N.G.)
+08-2' Ditch
Fc 25'
+76 Fc Cor R 5'
Scattered Oaks
+59 PP 21'
+57 Beg Scattered Trees
+00 End Woods
Fc 25'
Wasteland + Brush
+92 Beg Scattered Oaks
+88 PP 20'
+67 East Wood Rd
10' Trail
+42 End Woods
Woods
Fc 25'

32

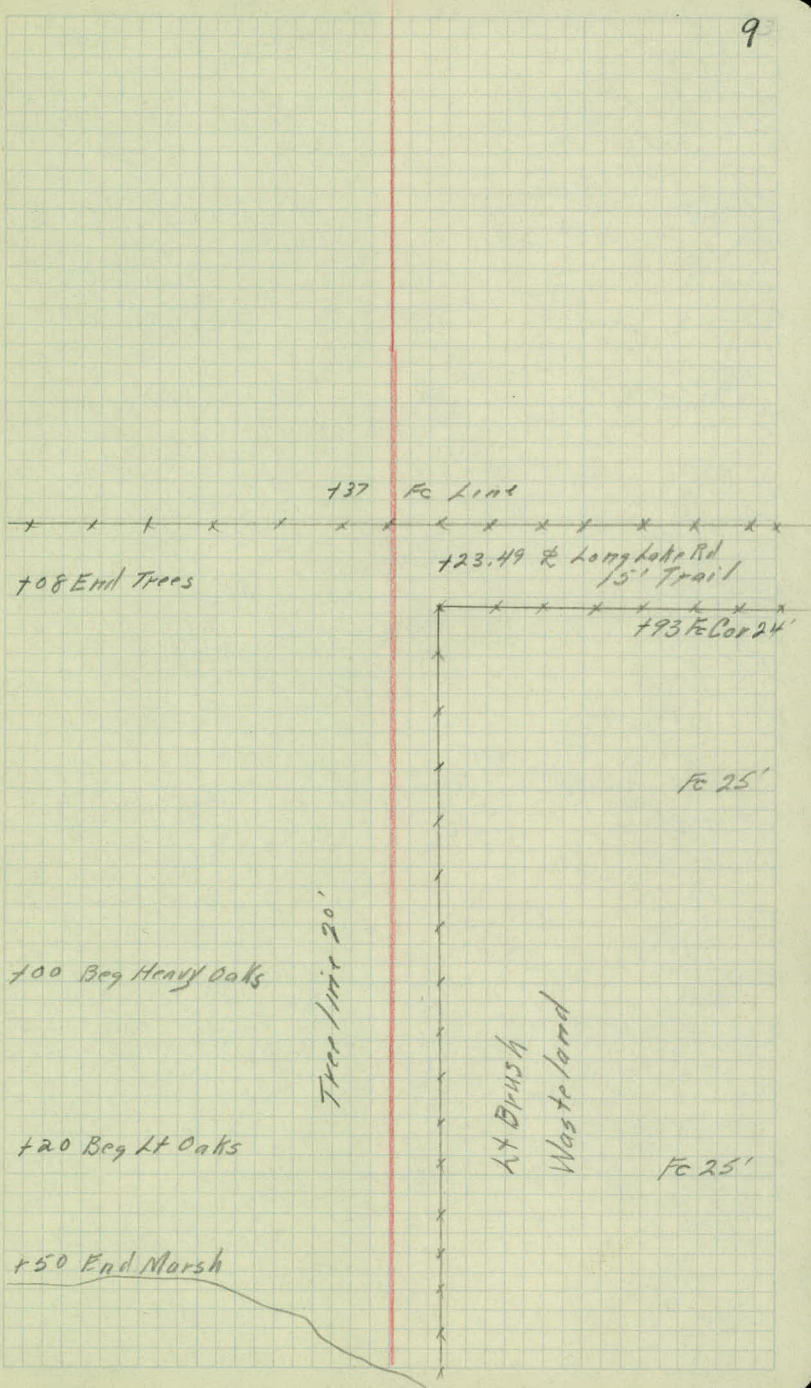
31 Rd 7-6

30 Rd 6-5

29 Rd 5-6

28 Rd 6-5

27 Rd 5-6


+37 Fc Line
+08 End Trees
+23.49 ℄ Long Lake Rd
3' Trail
+93 Fe Cor 24'
Fe 25'
+00 Beg Heavy Oaks
Tree Line 20'
Lt Brush
Waste land
+20 Beg Lt Oaks
Fe 25'
+50 End Marsh

X Sections

Sherwood Rd

Sta	+	⊼	−	Elev
B.M.	3.27	917.80		914.53
0+00				13.8
+13				13.5
+17				13.6
+21				13.4
+25				13.3
0+50				13.0
1+00				12.5
+50				12.4
2+00				13.2
+50				13.4
3+00				13.1
+50				13.0

Lt. ℄ Rt

Spk in 30" Out 96" Rt 0-26

4.4/50 4.0 3.9/50

4.4/50 4.4/15 4.3 4.3/8 4.1/20 3.9/50

4.3/50 6.0/28 4.6/25 4.2 4.3/12 4.0/18 4.0/25 5.4/28 5.8/50

4.5/50 6.0/28 4.6/25 4.4 4.3/12 4.0/18 4.0/25 5.4/28 5.8/50

5.0/50 4.8/25 4.3/7 4.5 4.3/14 4.2/50

5.3/60 4.9/15 6.0/7 4.8 5.0/7 4.8/14 4.8/50

5.4/50 5.3/11 6.6/6 5.3 5.3/9 5.3/30 5.3/50

5.3/50 5.5/7 5.4 5.4/7 5.3/23 5.0/50

4.8/50 4.9/7 4.6 4.8/6 4.7/19 4.8/50

4.3/50 4.3/32 4.6/7 4.4 4.7/7 4.6/22 4.9/50

3.9/50 4.0/25 4.5/7 4.7 5.2/7 5.1/23 6.1/50

3.9/50 4.2/25 4.7/7 4.8 5.2/5 5.2/25 6.0/50

Sta.	+	℄	−	Elev
		917.80		
4+00				12.5
+50				11.6
T.P.	10.00	921.16 ✓	6.64	911.16 ✓
5+00				10.9
+50				10.7
6+00				11.0
+50				12.1
7+00				12.9
+50				13.7
8+00				13.7
+50				14.4
9+00				14.9
+50				16.0
B.M.	3.39	921.16 ✓	3.39	917.77 ✓

Lt ℄ Rt

4.8/50	4.8/33	5.1/13	5.3	5.3/3	6.6/25	6.2/50
5.1/50	5.5/27	5.8/10	6.2	6.1/4	6.2/25	6.9/50
8.6/50	9.6/25	9.8/7	10.3	10.2/6	10.5/25	11.2/50
8.6/50	9.8/15	10.5/10	10.5	10.4/6	11.1/24	11.7/50
8.5/50	9.4/16	10.0/11	9.7/5	10.2	10.2/8	11.0/24	11.8/50
7.7/50	8.0/33	8.9/11	9.1	9.1/5	10.0/24	11.5/50
6.9/50	7.1/28	7.5/14	8.0/12	8.3	8.4/7	9.0/25	10.5/50
6.5/50	6.5/35	6.9/16	7.3/10	7.5	8.2/24	10.0/50
6.2/50	6.5/30	6.7/16	7.2/12	7.5	7.5/6	8.1/25	9.0/50
5.7/50	6.0/28	6.5/10	6.8	7.0/7	7.6/24	8.5/50
4.5/50	5.1/30	5.5/15	5.8/13	6.3	6.3/7	6.6/25	7.1/50
4.0/50	4.4/16	4.7/8	5.2	5.0/5	5.4/24	6.0/50

Spk in 10" Oak 30' Lt - Sta 9+50

Sta	+	↗	−	Elev
		92116 ✓		
10+00				17.0
+50				17.2
11+00				16.7
+50				15.8
12+00				15.7
+50				16.1
13+00				15.9
+50				15.2
T.P.	3.29	92067 ✓	3.78	917.38 ✓
14+00				14.5
+50				14.2
15				14.2
+50				14.2

2+	8	14
3.8/50 3.8/22 4.5/13 4.0/8	4.2	4.1/4 4.4/25 5.0/50
3.6/50 3.7/17 3.8/8	4.0	4.2/4 3.9/5 4.1/25 4.4/50
3.7/50 4.1/17 4.2/7	4.5	4.8/3 4.3/4 4.5/25 4.6/50
3.8/50 4.6/13 5.1/10	5.4	5.3/6 5.3/24 5.2/50
4.0/50 4.5/31 4.8 5.0/9	5.5	5.3/4 5.6/25 5.1/50
4.2/50 4.6/23 4.7/8	5.1	4.8/5 5.1/25 5.6/50
4.0/50 4.3/28 4.4/17 4.8 4.6/16 8	5.3	4.9/3 5.3/25 5.9/50
4.6/50 5.4/19 5.4/9	6.0	5.7/3 6.1/25 6.5/50
5.3/50 5.4/28 5.9/17 6.3 6.1/16 8	6.7	6.4/3 6.7/25 7.2/50
5.1/50 5.8/19 6.0/13 5.9/8	6.5	6.2/3 6.5/24 7.0/50
5.6/50 6.0/17 6.0/8	6.5	6.2/3 6.4/25 7.1/50
6.0/50 6.2/18 6.5/13 6.2/7	6.5	6.3/3 6.6/24 7.1/50

Sta	+	I	−	Elev
		920.67		
16+00				14.0
+50				14.7
17+00				14.7
+50				13.6
18				12.7
TP	2.34	917.13 ✓	5.88	914.79 ✓
+50				11.5
19				12.0
+50				12.6
20				12.7
B.M.	3.39	917.13 ✓	3.39	913.74 ✓
+50				12.4
21				11.6
+50				10.6

Lt ℄ Rt

6.5/50 6.4/27 6.4/14 6.9/12 6.4/7 6.7 6.3/2 6.4/25 6.5/50

6.4/30 5.8/18 6.1/13 5.7/7 6.0 5.5/2 5.5/24 5.6/50

7.1/50 6.4/15 5.8/8 6.0 5.6/2 5.4/15 5.1/25 4.7/50

8.0/50 7.3/21 6.9/7 7.1 6.3/2 6.0/20 5.6/30

8.5/50 8.1/17 7.8/8 8.0 8.0/2 7.2/4 7.1/25 6.5/50

5.3/50 5.3/27 5.5/13 5.1/7 5.6 5.6/2 5.1/5 4.8/25 4.3/50

5.6/50 5.1/16 5.4/12 4.9/5 5.1 5.4/4 4.9/6 4.7/25 4.6/50

4.9/50 4.3/16 4.7/11 4.3/5 4.5 4.7/4 4.3/6 4.3/25 4.4/50

4.5/50 4.2/21 4.5/10 4.4/4 4.4 4.8/5 4.3/7 4.5/25 4.7/50

Sp Kln 8" Oak 45° Lt Sta 20+20

4.5/50 4.6/13 5.0/10 4.8/8 4.7 5.2/5 4.9/8 5.1/25 5.3/50

5.1/50 5.2/16 5.6/12 5.4/7 5.5 5.8/5 5.7/7 5.9/25 6.3/50

5.8/50 6.2/15 6.4/9 6.5 6.8/4 6.5/6 7.1/25 7.9/25

Sta	+	⊼	−	Elev
		917.13		
21+82				09.7
22+00				09.6
+50				10.4
23+00				10.6
T.P	3.50	914.70 ✓	5.93	911.20 ✓
+50				10.2
24+00				09.3
+25				09.0
+38				09.0
+50				08.7
+65				08.2
25				07.7
+50				07.1

Lt ℄ Rt

7.1/50 7.1/15 7.2/9 7.4 7.3/5 7.8/20 8.2/20

8.0/50 7.4/16 7.4/9 7.5 7.3/5 7.5/25 7.9/20

7.5/50 6.9/24 6.6/8 6.7 6.3/6 6.2/25 6.3/33 6.4/50

6.4/50 6.4/14 6.4/9 6.3/4 6.5 6.7/2 6.2/4 6.2/7 6.4/25 6.2/60

Nail in Top of Stump 40' Lt of Sta 22+75

4.1/50 4.2/13 4.4/9 4.3/4 4.5 4.8/3 4.6/3 4.9/24 5.3/50

4.9/50 5.1/26 5.1/13 5.3/11 5.3/7 5.4 5.3/3 5.6/17 5.8/25 6.5/50

6.3/50 5.9/21 5.7/7 5.7 5.8/5 6.0/15 6.8/34 7.2/50

5.2/50 4.7/19 5.4/10 5.7/7 5.7 5.8/4 6.5/11 5.0/13 6.3/27 5.2/50

6.3/50 5.0/12 6.1/11 5.7/6 6.0 6.3/5 6.5/12 5.0/13 5.3/29 5.4/50

8.5/100 7.7/100 6.5/50 6.4/22 6.7/7 6.5 7.3/8 7.8/18 8.0/28 8.3/50 8.4/100

6.8/50 6.5/27 6.7/14 7.2/8 7.1/4 7.0 7.4/6 7.8/9 7.7/11 8.2/27 8.5/50

7.7/50 8.1/33 8.0/10 8.5/8 8.1/4 7.6 7.8/5 8.3/6 8.3/27 8.0/50

Sta	+	π	−	Elev
		914.70		
26+00				07.0.
+50				07.8.
27				08.1.
+50				08.6.
28				08.7.
T.P.	5.40	915.36	4.74	909.96
+50				09.1.
29+00				09.1.
+50				09.6.
30				10.0.
+50				10.5.
31				10.4.
+06				10.4.

24 ♀ R4

7.9/50 8.0/26 8.6/8 8.3/5 7.7 8.2/11 8.1/20 8.0/29 7.4/42 6.8/50

7.5/50 6.9/37 7.1/11 7.3/6 6.9 7.7/8 7.4/11 7.2/27 6.3/50

7.8/50 6.8/12 7.2/8 6.6 6.8/4 7.2/8 6.9/12 6.8/28 5.8/50

6.6/50 6.4/28 6.3/10 6.7/7 6.1 6.3/7 6.6/9 6.1/11 5.9/27 5.4/50

6.4/50 6.0/28 6.1/9 6.5/8 6.0 6.3/7 6.2/27 5.8/33 6.1/38 5.7/50

6.2/50 6.5/7 6.9/7 6.7/7 6.3 6.9/6 6.9/27 7.0/50

6.2/50 6.3/10 6.8/8 6.3 6.8/6 6.8/11 7.3/27 7.7/50

5.4/30 5.7/30 5.9/10 6.3/9 5.8 6.4/5 6.3/10 6.6/27 7.1/40 6.9/30

4.5/50 4.9/33 5.4/11 5.5/8 5.4 6.0/7 5.7/11 6.0/16 6.8/41 6.0/50

4.5/50 4.5/27 4.7/11 5.0/8 4.9 5.3/6 5.1/8 5.3/25 5.4/40 5.1/50

4.1/50 4.4/13 4.9/11 5.0 5.1/7 4.7/8 4.9/29 5.0/50

4.5/50 4.4/25 4.6/13 5.1/11 5.0 5.4/7 5.1/9 4.7/27 4.9/50

Sta	+	H	−	Elev	
		915.36			
31+10				10.1	
+23				09.7	
B.M			4.44	910.92	910.91

Lt ℄ Rt

5.9/50 5.8/79 5.3/13 5.3 5.3/15 5.5/30 5.2/50

5.3/50 5.7 5.0/50

Spk. in 14" Oak 150' Rt Sta 32+00
(100' Rt Sta 36+30 Long Lake Rd)
Survey

Slope Stakes

Sherwood Road

Sta	+	℄	−	Elev	
B.M	3.55	918.08		914.53	
0+00				13.5	X
+13				13.5	X
+17				13.5	X
+21				13.5	X
+25				13.5	
+50				13.5	
1				13.5	
+50				13.4	
2				13.4	
+50				13.3	
3				13.3	
+50				13.2	

Br Rod

Lt ℄ Rt

Spk in 30" Oak 46' Rt Sta 0-26

4.6	5.0 DC 1.6 24.2	4.8 FO.2	4.5 CO.1 25.0
4.6	5.2 DC 1.4 23.8	5.2 FO.6	4.9 DC 1.7 24.4
4.6	5.7 DC. 0.9 22.8	5.9 F1.3	5.6 DC 1.0 23.0
4.7	5.9 DC 0.8 22.6	5.9 F1.2	5.5 DC 1.2 23.4
4.7	5.1 DC 1.6 24.2	5.0 F0.3	5.0 DC 1.7 24.4
4.8	4.6 CO.2 25.0	4.8 FO.0	5.0 DC 1.8 24.6
4.8	4.8 C 0.5 25.0	4.9 F0.1	5.5 DC 1.3 23.6
4.9	4.5 C 0.4 25	5.2 F0.3	5.6 DC 1.3 24.0

Sta	+	℄	−	Elev	
		918.08			
4				13.2	
+50				13.1	
T.P.	7.85	919.01	6.92	911.16	
5				13.1	
+50				13.2	
6				13.4	
+50				13.7	
7				14.1	
+50				14.4	
8				14.8	
+50				15.1	
9				15.5	
+50				15.8	
B.M	3.06	920.83	1.26	917.75	917.77

Gr Rod	Lt	Ctr	Rt
4.9	5.2 DC 1.7 24.2	5.5 FC 0.6	6.0 DC 0.9 22.8
5.0	5.8 DC 1.2 23.4	6.4 FC 1.2	6.5 DC 0.5 22.0
5.9	7.3 DC 0.6 22.2	8.0 FC 2.1	8.3 FC 2.4 17.8
5.8	7.4 DC 0.4 21.8	8.2 FC 2.4	8.7 FC 2.9 18.8
5.6	7.2 DC 0.4 21.8	8.0 FC 2.4	8.7 FC 3.1 19.2
5.3	6.1 DC 1.2 23.4	7.0 FC 1.7	7.5 FC 2.2 17.4
4.9	5.1 DC 1.8 24.6	6.0 FC 1.1	6.7 DC 0.2 21.4
4.6	4.7 DC 1.9 24.8	5.4 FC 0.8	6.1 DC 0.5 22.0
4.2	4.5 DC 1.7 24.4	5.1 FC 0.9	5.9 DC 0.3 21.6
3.9	4.0 DC 1.9 24.8	4.7 FC 0.8	5.5 DC 0.4 21.8
3.5	4.9 C 0.6 25.0	4.1 FC 0.6	4.3 DC 1.2 23.4
3.2	2.2 C 1.0 25.0	2.8 C 0.4	3.3 DC 1.9 24.8

Spk in 10" Oak 30 Lt Sta 9+50

Sta	+	H.I.	−	Elev
		920.83		
10+00				16.1
+50				16.2
11				16.2
+50				16.1
12				15.9
+50				15.7
13				15.5
+50				15.3
14				15.1
+50				14.9
T.P.	4.42	919.47	5.78	915.05
15				14.7
+50				14.5

Gr Rod

	Lt	℄	Rt
4.7	3.6 C 1.1 25	3.8 C 0.9	4.2 C 0.5 25
4.6	3.4 C 1.2 25	3.8 C 0.8	3.8 C 0.8 25
4.6	3.7 C 0.9 25.0	4.2 C 0.4	4.2 C 0.4 25
4.7	4.2 C 0.5 25	5.2 F 0.5	4.9 DC 1.8 24.6
4.9	4.4 C 0.5 25	5.2 F 0.3	5.3 DC 1.6 24.2
5.1	4.3 C 0.8 25	5.0 C 0.1	4.8 C 0.3 25
5.3	4.0 C 1.3 25	5.0 C 0.3	5.0 C 0.3 25
5.5	4.4 C 1.1 25.0	5.7 F 0.2	5.8 DC 1.7 24.4
5.7	5.4 C 0.3 25.	6.4 F 0.7	6.4 DC 1.3 23.6
6.9	5.8 C 0.1 25	6.7 F 0.8	6.7 DC 1.2 23.4
4.8	4.5 C 0.3 25	5.4 F 0.6	5.2 DC 1.6 24.2
5.0	4.9 C 0.1 25	5.5 F 0.5	5.4 DC 1.6 24.2

Sta	+	H	−	Elev	
		919.47			
16+00				143	
+50				141	
17				139	
+50				137	
18				135	
+50				133	
19				131	
+50				129	
20				127	
B.M.	1.82	915.56	5.75	913.72	913.74
+50				123	
21				121	
+50				119	

Gr Rod

	Lt	℄	Rt
52	5.2 C 0.0 25	5.5 F 0.3	5.2 C 0.0 25
5.4	4.9 C 0.5 25	4.8 C 0.6	4.3 C 1.1 25
56	5.2 C 0.4 25	4.9 C 0.7	3.8 C 1.8 25
58	6.3 DC 1.5 24.0	5.7 C 0.1	4.9 C 0.9 25
6.0	6.9 DC 1.1 23.2	6.8 F 0.8	5.9 C 0.1 25
6.2	7.8 DC 0.4 21.8	7.9 F 1.7	7.2 DC 1.0 23.0
6.4	7.7 DC 0.7 22.4	7.4 F 1.0	6.9 DC 1.5 24.0
6.6	6.9 DC 1.7 24.4	6.8 F 0.2	6.6 C 0.0 25
6.8	6.7 C 0.1 25.0	6.7 C 0.1	6.9 DC 1.9 24.8
Spk in 8" Oak 45 Lt Sta 20 + 20			
3.2	3.0 C 0.2 25	3.2 C 0.00	3.5 DC 1.7 24.4
3.4	3.4 C 0.00 25	3.9 F 0.5	4.3 DC 1.1 23.2
37	4.6 DC 1.1 23.2	5.0 F 1.3	5.5 DC 0.2 21.4

Sta	+	π	−	Elev
		915.56		
21+82				11.7
22				11.6
+50				11.3
23				11.0
+50				10.7
24				10.4
+25				10.3
+38				10.2
+50				10.1
+63				10.0
25				09.8
+50				09.5

Gr. Rod	Lt	X	Rt
3.9	5.4 DC 0.5 22.0	5.8 F1.9	6.1 F 2.2 17.4
4.0	5.9 DC 0.1 21.2	6.0 F 2.0	6.1 F 2.1 17.2
4.3	5.2 DC 1.1 23.2	5.1 F 0.8	4.7 DC 1.6 24.2
4.6	4.8 DC 1.8 24.6	5.0 F 0.4	4.7 DC 1.9 24.8
4.9	5.0 DC 1.9 24.8	5.4 F 0.5	5.7 DC 1.2 23.4
5.2	5.9 DC 1.3 23.6	6.2 F 1.0	6.5 DC 0.7 22.4
5.3	6.6 DC 0.7 22.4	6.7 F 1.4	6.6 DC 0.7 22.4
5.4	6.1 DC 1.3 23.6	6.6 F 1.2	5.9 DC 1.5 24.0
5.5	6.0 DC 1.5 24.0	6.8 F 1.3	7.5 DC 0.0 21.0
5.6	7.4 DC 0.2 21.4	7.6 F 2.0	8.7 F 3.1 19.2
5.8	7.4 DC 0.4 21.8	7.9 F 2.1	8.8 F 3.0 19.0
6.1	9.1 F 3.0 19.0	8.8 F 2.7	9.1 F 3.0 19.0

Sta	+	℄	−	Elev	
		915.56			
26				09.4	
T.P.	6.46	913.16	8.86	906.70	
+50				09.3	
27				09.3	
+50				09.4	
28				09.4	
+50				09.5	
29				09.5	
+50				09.6	
30				09.6	
+50				09.7	
+94					
31				09.7	
T.P	4.49	914.95	2.70	910.46	
B.M			3.96	910.99	(910.91)

Gr. Rod	LH	℄	RH
6.2	9.1 F 2.9 18.8	8.8 F 2.6	9.0 F 2.8 18.6
3.9	5.4 DC 0.5 22.0	5.6 F 1.7	6.0 F 2.1 17.2
3.9	5.4 DC 0.5 22.0	5.1 F 1.2	5.6 DC 0.3 21.6
3.8	4.8 DC 1.8 23.0	4.5 F 0.7	4.4 DC 1.4 23.8
3.8	4.5 DC 1.3 23.6	4.5 F 0.7	4.8 DC 1.0 23.0
3.7	4.2 DC 1.5 24.6	4.1 F 0.4	4.8 DC 0.9 22.8
3.7	3.8 DC 1.9 24.8	4.0 F 0.3	4.7 DC 1.0 23.0
3.6	3.6 C 0.0 25.0	3.5 C 0.1	4.4 DC 1.2 23.4
3.6	2.4 C 1.2 25	3.1 C 0.5	3.8 DC 1.8 24.6
3.5	2.3 C 1.2 25	2.7 C 0.8	3.0 C 0.5 25
3.5	2.1 C 1.4 25	2.6 C 0.9	2.7 C 0.8 25

Spk in 14" Oak 150 RH SH 32 to d

Sta	+	Π	−	Elev