

Book # 37 Dr # 8

MAINT. SURVEY
HAMLINE AVE.

From Co. Road E.
To So. of Lake Josephine.
RD % N^o 9

Office of Ramsey Co. Engineer
ST. PAUL, MINN.

Date Filed 4-15-24

File No. "13"

5'09
2-2 3/2

Road # 9

South on Hamline Ave. from Co. Road E.

HAMLIN AVE.

RD. #9

Allyon notes

Art. Topog.

Center line levels

X. Sections

No. promiss notes

to owner

Check Levels

Office of Ramsey Co. Engineer
ST. PAUL, MINN.

Rec'd 4/4/24

Date Filed

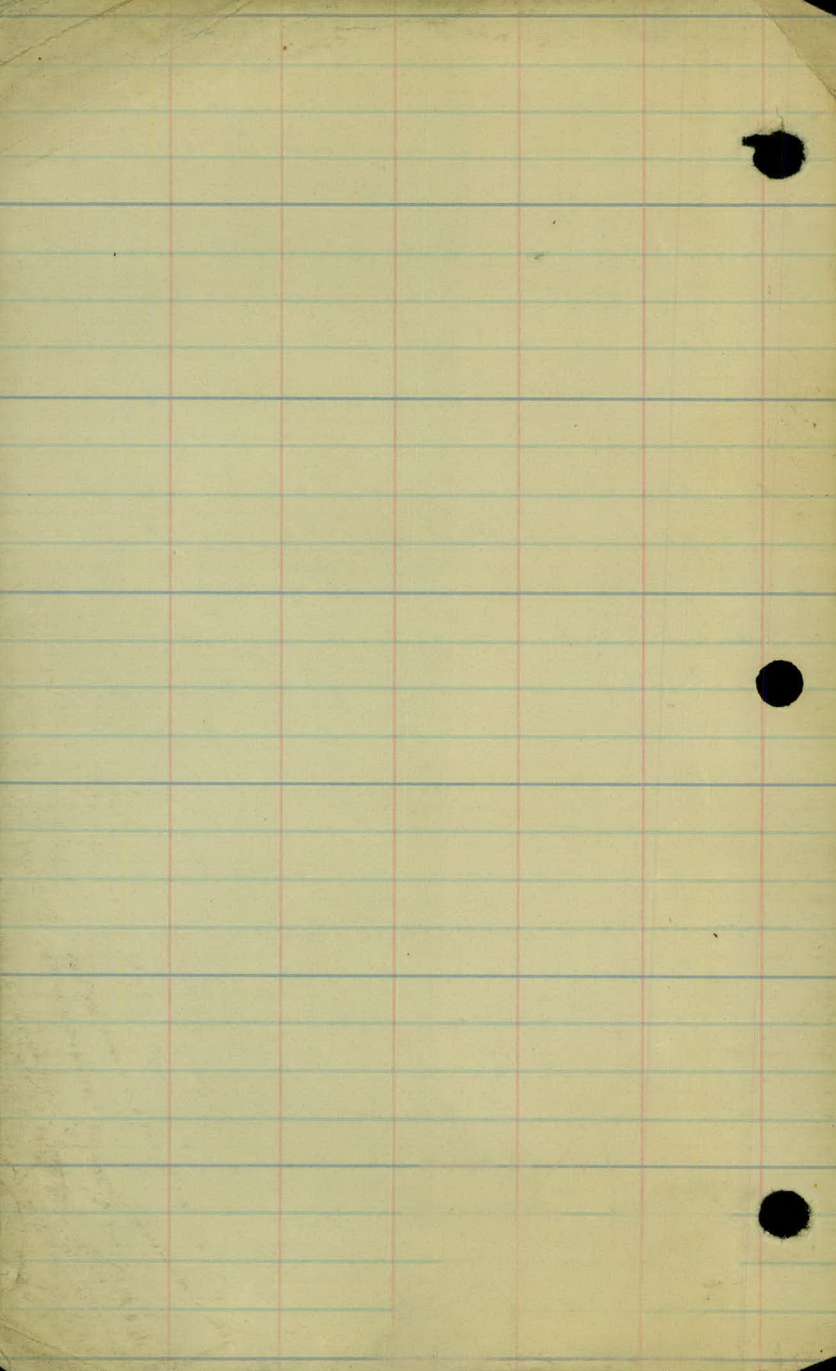
4/15/24

File No.

13³

HAMLIN AVE.

Rec. 4-4-24



Road # 9.

Center line levels
from Sta. 0+00 to End of Proj.

Sta.	+	H.I.	-	Red	Elev
B.M.	4.17	934.67 [✓]		930.50 [✓]	
-2				4.2	930.5 [✓]
-1				4.0	30.7 [✓]
0+00		Center of Co. Rd. E.		4.4	30.3 [✓]
1				5.9	28.8 [✓]
2				6.7	28.0 [✓]
3				6.3	28.4 [✓]
4				7.3	27.4 [✓]
5				9.9	14.8 [✓]
T.P.	1.15	925.90 [✓]	9.84	924.81 [✓]	
6				3.8	22.6 [✓]
7				5.4	20.6 [✓]
8				7.4	18.6 [✓]
9				10.2	15.8 [✓]
T.P.	1.17	915.97 [✓]	11.14	914.80 [✓]	
10				2.8	13.2 [✓]
11				5.0	11.0 [✓]
12				6.3	09.7 [✓]
13				6.9	09.1 [✓]
B.M.				5.57	910.40 [✓]
14				6.9	09.1 [✓]
15				7.1	08.9 [✓]
16				8.8	07.2 [✓]
T.P.	0.13	907.50 [✓]	8.60	907.39 [✓]	
17				2.4	04.9 [✓]
18				5.1	02.4 [✓]

Spr. in T.P. N.E. Cor. of Hamline - Co. Rd. E.

-5.1	-2.8	+2.0	+1.7
200	100	100	200

Nail in 18" Oak 40' Lt. Sta. 13+95

Sta.	T	H.I.	-	Red.	Elev.
		907.50 ✓			
19				8.5	899.0 ✓
20				10.5	97.0 ✓
T.P.	0.09	896.24 ✓	11.33	896.17 ✓	
21				0.7	95.4 ✓
22				2.7	93.4 ✓
23				4.2	92.1 ✓
24				5.3	91.0 ✓
25				5.7	90.6 ✓
B.M.				6.15	890.11 ✓
26				6.2	90.1 ✓
27				6.9	89.4 ✓
28				7.8	88.5 ✓
29				9.9	86.4 ✓
T.P.	1.55	887.82 ✓	9.99	886.27 ✓	
30				3.0	84.8 ✓
31				3.9	83.9 ✓
32				5.5	82.3 ✓
33				5.4	82.2 ✓
34				4.9	82.9 ✓
35				4.5	83.3 ✓
36				4.3	83.5 ✓
37				3.4	84.2 ✓
37				2.3	85.5 ✓
39				2.8	85.0 ✓
B.M.	9.45	894.07 ✓	3.18	884.44 ✓	

Nail in 15" O.G. 30' H. Sta. 25+30.

Nail in T.P. 30' H. Sta. 39+64.

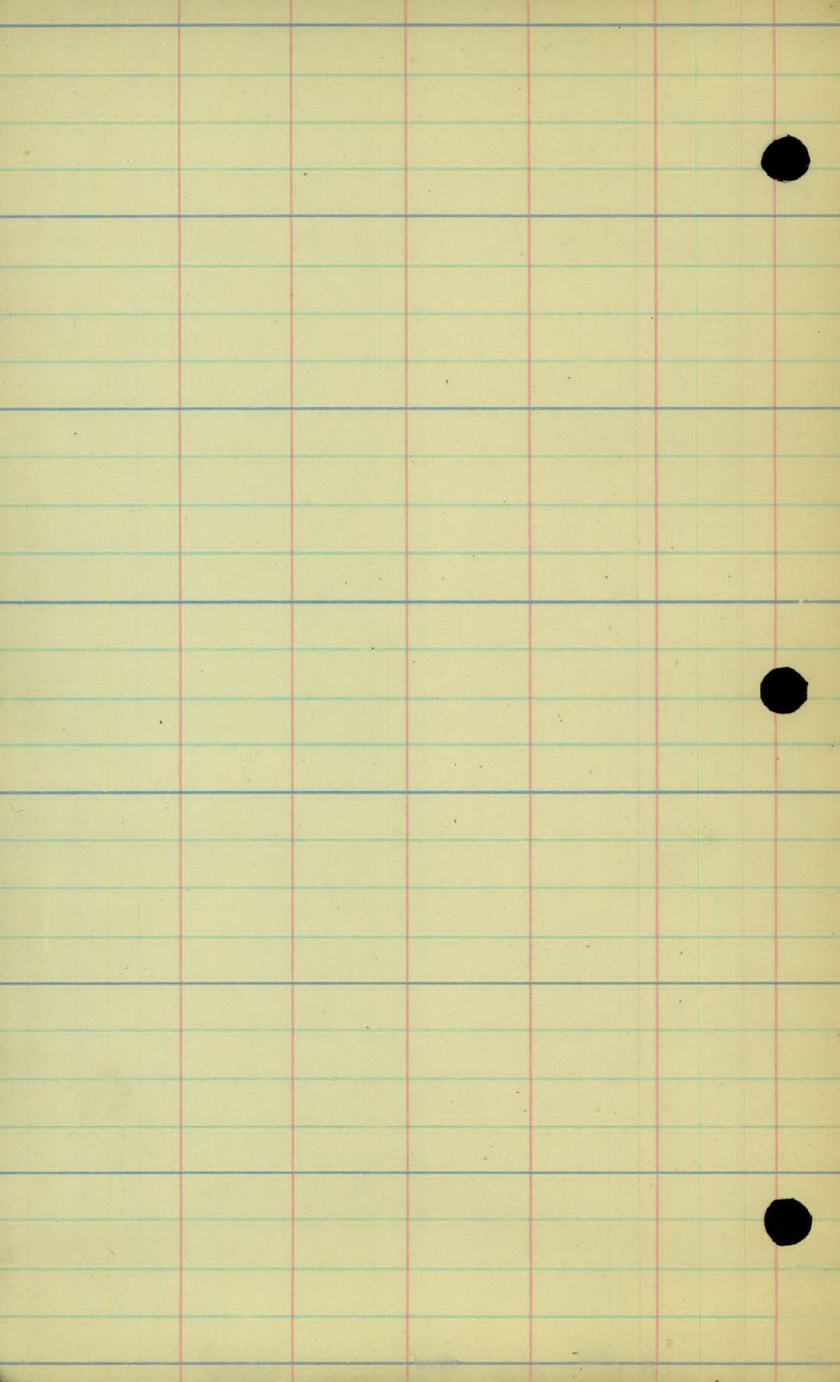
Sta.	T	H.I.	-	Red	Elev.
		874.07 ✓			
40				7.4	884.5 ✓
41				10.2	83.9 ✓
42				10.4	83.7 ✓
43				7.7	84.4 ✓
44				6.1	87.9 ✓
45				2.1	92.0 ✓
T.P.	10.05	703.80 ✓	0.34	893.75 ✓	
46				7.4	96.2 ✓
47				4.9	98.9 ✓
48				4.9	98.9 ✓
49				5.3	98.5 ✓
50				5.2	98.4 ✓
51				4.4	99.4 ✓
52				4.0	99.8 ✓
53				2.2	901.6 ✓
T.P.	10.61	912.34 ✓	2.07	901.73 ✓	
B.M.				7.03	903.31 ✓
54				7.8	904.5 ✓
55				5.8	06.5 ✓
56				4.5	07.8 ✓
57				2.7	09.4 ✓
58				4.0	08.3 ✓
59				5.8	06.5 ✓
60				7.4	04.7 ✓
61				7.8	04.5 ✓

Nail in T.P. 18 H. 519, 53145.

Sta.	+	H.I.	-	Red	Elev.
		912.34 ✓			
T.P.	11.48	916.15 ✓	7.67	904.47 ✓	
62				10.3	905.9 ✓
63				8.0	08.2 ✓
B.M.				3.95	912.20 ✓
64				5.8	10.4 ✓
65				4.0	12.2 ✓
66				3.0	13.2 ✓
T.P.	1.80	915.04 ✓	2.41	913.54 ✓	
67				1.4	13.7 ✓
68				2.3	13.0 ✓
69				3.2	12.1 ✓
+48				3.2	12.1 ✓
70				4.5	10.8 ✓
71				5.0	10.3 ✓
+10		End of Proj.		5.1	10.2 ✓
B.M.			4.79	910.55 ✓	

Nail in 15" Oak. 35' Lt. Sta. 63 + 75.

Spk. in T.P. 45' Lt. Sta. 70 + 90.



Road # 9.

Check Levels from End
of Proj. to Sta. 0+00.

Sta.	+	H.I.	-	Elev.
B.M.	4.84	915.41		910.55
T.P.	1.72	915.20	1.93	913.48
B.M.			2.99	912.21
T.P.	7.10	912.21	10.09	905.11
B.M.			8.90	903.31
T.P.	3.17	904.18	11.20	901.01
T.P.	0.15	893.76	10.57	893.41
B.M.	3.12	887.77	9.11	884.65
T.P.	7.20	896.53	0.44	887.33
B.M.			6.39	890.14
T.P.	11.71	907.81	0.43	896.10
T.P.	10.83	918.55	0.11	907.70
B.M.			8.10	910.43
T.P.	10.70	928.78	0.65	917.88
T.P.	4.24	932.65	0.37	927.39
B.M.			2.12	930.53

SpK. in T.P. 45' Lt. Sta. 70+90

Nail in 15" Oak. 35' Lt. Sta. 63+75.

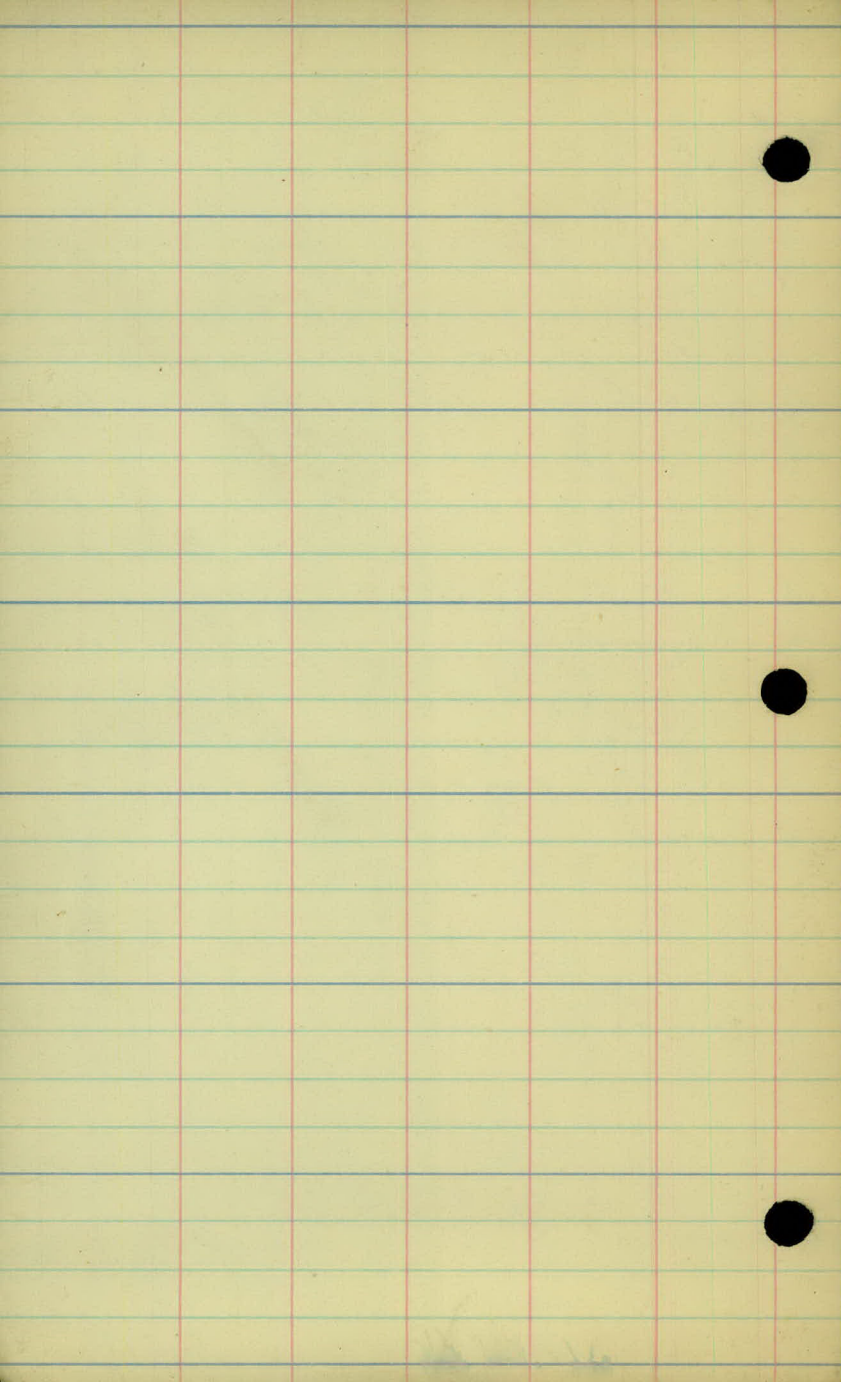
Nail in T.P. 18' Lt. Sta. 53+45.

Nail in T.P. 30' Lt. Sta. 39+44.

Nail in 15" Oak. 30' Lt. Sta. 25+30

Nail in 18" Oak. 60' Lt. Sta. 13+95.

SpK. in T.P. N.E. Cor. of Hamline-Co. Rd. E.



Road #9.

- TOPOG -

3-27.24

HAMLIN E. AVE.

FROM COUNTY ROAD. E.
TO

LAKE JOSEPHINE ROAD.

STA. 0+00. TO - 71+10.

REC. A.L. PERSONS.

CHAIN - J.M. JANKOSKI.

" H. BRIGGS.

3-27-24.

6.

5

4

3

2

1

0+00

Lt

9

Rt

FENCE 27' Lt

FENCE 31'

FENCE 27'

FENCE 31'

FENCE 26' Lt

FENCE 30'

PLOWED FIELD

BRUSH LIGHT CLEARING

FENCE 30Rt

FENCE 26'

FENCE, 31' Rt

+35 FENCE 27'

+48

COUNTY RD. E & + HAMLINE AVE.

12

11

10

9

8

7

6

14

4

17

FENCE 32' 14

FENCE 32'

FENCE 31' 14

FENCE 32'

+ 50 END F

PLOWED FIELD - PASTURE

BRUSH

FENCE 27' 14

FENCE 31' 17

FENCE 27' 14

FENCE 31' 17

18

17

16

15

14

13

12

LY

E

RT

FENCE 35'±

FENCE 32'

+38 TREE 23'±

FENCE 32'

FENCE 32'

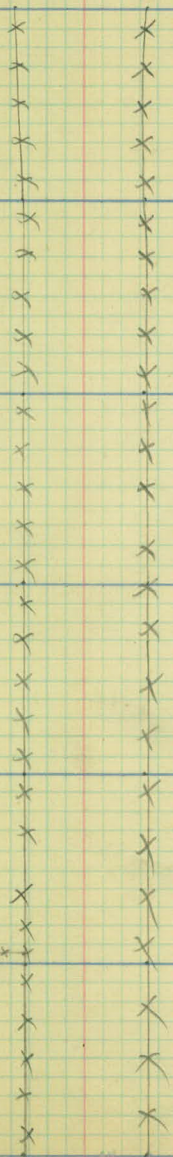
PASTURE

BRUSH.

+08 X FENCE

FENCE 32'

FENCE 32'



24

23

22

21

20

19

18

14

2

17+

FENCE 37'

FENCE 32

FENCE 37'

FENCE 32'

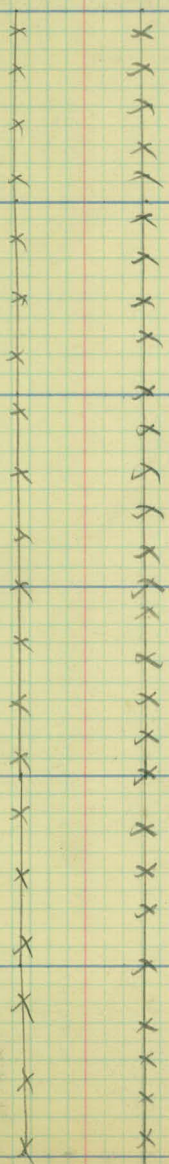
FENCE 34'

BRUSH FENCE 31'

PASTURE

FENCE 35'

FENCE 32'



30

29.

28

27

26

25

24

Lt

E

Rt

FENCE 22' Lt

FENCE 26'

+37 TREE 21' Lt
ROW SMALL TREES
+19 TREE 21' Lt
FENCE 27' Lt

FENCE 32'

FENCE 37' Lt

FENCE 32'

out 37'

PASADENA

FENCE 37'

BRUSH

out 32'

+29 TREE 27' Lt

+08 TREE 29' Lt

+95 X FENCE - x x x x x

FENCE 32'

+40 FIELD ENT. NO. CULVERT.

FENCE 37' Lt

FENCE 32'

36

35

34

33

32

31

30

Lt

E

Rt

FENCE 19'

+ 34 RD. LT. 31' OF 12" CO R. PIPE
+ 21. END. FENCE - x x x x x
+ 19. TP. 15'
FENCE 22'

FENCE 18'

FENCE 21'

PASTURE

FENCE 22'

BRUSH

FENCE 22'

FENCE 26'

Lt & Rt

OLD ROAD.

42

41

40

4-1-24.

4' Lt

39

6' Lt

38

37

36

14

2

17

FENCE 22'

FENCE 33'

FENCE 21'
+99 TP. 13' 1/2"

FENCE 30'

FENCE 23'
+76.5P. 20' 1/2"
+70 FENCE 21' 1/2"
+62 TP. 21' 1/2" + FENCE 29' 1/2"
+50. RD. 1/2"

PASTURE
+48 TP. 25' 1/2"
FENCE 21' 1/2"

+66 TP. 19' 1/2"

FENCE 34'

PASTURE

WOVEN WIRE

BRUSH

FENCE 30'

+94 TP. 16' 1/2"

FENCE 25'

PASTURE

FENCE 19'

WOVEN WIRE

48

47

46

45

44

43

42

Lt

L

Rt

FENCE 33'

FENCE 27'

+50 TP. 22'

+23 TREE 30'

FENCE 39' TREE 26'
 +84 FENCE +96 TREE 35'
 +82 R.D. H

+61 END FENCE + * * * * *
 +58 @ TREES 32'
 +51 @ " 32'
 +29 @ " 33'
 +26 TP. 18' Lt

FENCE 34'

FENCE 34'
 +98 TP. 16' Lt

+44 TREE 30' Lt

+11 ICE. HOUSE 31' Lt

+66 TP. 16' Lt

FENCE 24'

+45 TP. 16' Lt

FENCE 22'

FENCE 34'

+34 TP. 25' Rt

FENCE 31'

FENCE 34'
 +99 TREE. 28' Rt

+36 TP. 27' Rt

FENCE 34'

PASTURE

+45 TP. 28' Rt

FENCE 33'

54

53

52

51

50

49

48

14

2

17

FENCE 25'

FENCE 30'

+45 P.P. 18' 14

FENCE 22'

FENCE 22'

+20 P.P. 18'

+25 TREE 20'
+16 T.P. 14'

FENCE 26

+40 FENCE 22'

FENCE 33
+92 P.P. 19' 14

FENCE 26'

PASTURE

+67 T.P. 20'

FENCE 31'

FENCE 33

+74 P.P. 15'

+24 FENCE 31'

PRIVATE RD. 14

+05 T.P. 25' P.P. 30'
FENCE 33'

+59 T.P. 8' 14

+52 END. FENCE.

+73 RD. WILD HURST AVE.

+14 TREE 17'

FENCE 33'

+06 T.P. 27'
FENCE 21'

60

59

58

57

56

55

54

L+

E

RT

+59.G.P. 18'

+64.T.P. 22'

FENCE 34'

+64.T.P. 23'
FENCE 25'

+27.P.P. 30'

+59.T.P. 16'

FENCE 35'

FENCE 30

+06.P.P. 15'
FENCE 36'+25.T.P. 17'
FENCE 28'

+86.BEG FENCE 36'

PASTURE

FENCE END. 30'

+84.P.P. 21'

+63.T.P. 17'

FENCE 18'

FENCE 32

+58.P.P. 18' 14

+08.DRIVE L+
FENCE 25'

V.T.P. 17' RT

66

65

64

63

62

61

60

24

2

RT

FENCE 32'

TREE. 12' FENCE

10'

FENCE 30'

FENCE

20'

FENCE 26'

X. FENCE
FENCE

16'

FENCE 15'

+ 92 x FENCE 28'

FENCE 19'
+ 90. BEG. WOODS. 29' LT

FENCE 25'

FENCE 23'

FENCE 23'

+ 19. FENCE 21'

FENCE 34'

+ 52 G.P. 23'

FENCE 24'

END.

PASTURE

71 + 10

71.

70

69.

68

67 + 10

66

Lt.

E

Rt

RD. 17. LAKE JOSEPHINE. END TREES.



+94. END. FENCE 26' Lt +

FARM YD. HARDEN. DAIRY

FENCE 24'

+59. ENT. TO HOUSE Lt

FENCE 21'

FENCE 16'

FENCE 16'

FENCE 32'

WOVEN WIRE WITH IRON POST

+30 ROW. OF TREES. V

+16 FARM RD. Rt

HARDEN FARM.

+59. ROAD. Rt

XXXXXX +66

FENCE. END. 19' Rt

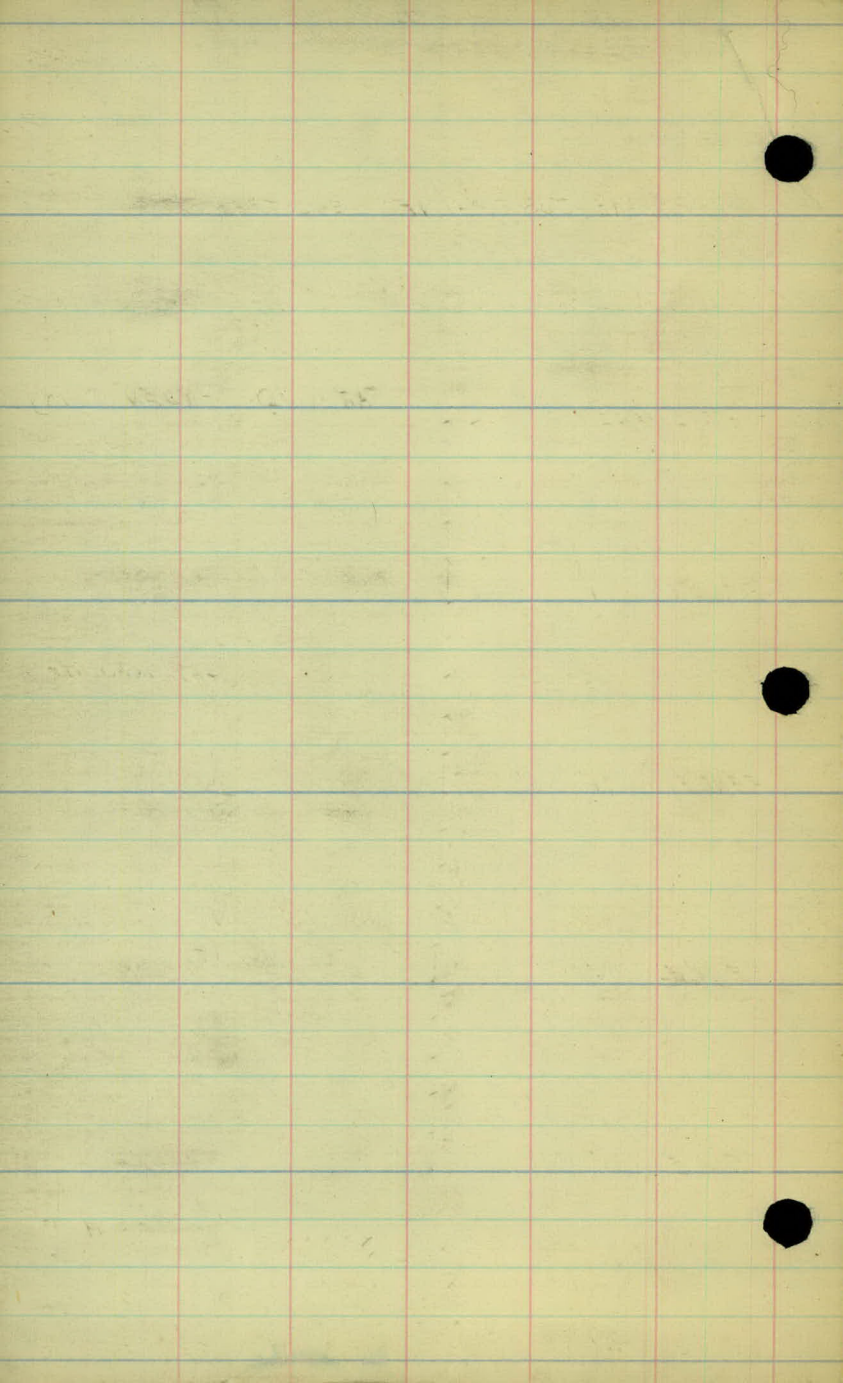
+55 TREE 12' Rt

END

+24 TREE 9' Rt

TREE 12' Rt

FENCE 10'



X Sections on Road # 9
from Sta. 0+00 to End of Proj.

Sta.

Elev.

4 922.4 ✓

5 924.8 ✓

4 927.4 ✓

3 928.4 ✓

+26 +0.2 928.2 ✓

2 928.0 ✓

+50 -0.6 928.2 ✓

1 928.8 ✓

+50 +1.0

929.0 29.8

+19 -0.1

930.2 ✓

0+00

930.3 Center of Co. Rd. E.

0-15

-0.2

930.1 ✓

14.

5+

-1.5 -1.0 -1.5 -0.6 -0.4 -1.4 -0.2 -0.4
33 24 17 12 13 17 24 33

-1.2 -1.8 -2.1 -0.9 -0.8 -1.3 -1.0 -1.3
33 24 17 12 11 14 22 33

+2.7 +2.4 -1.3 -0.7 -0.8 -1.3 -1.3 +2.8 +3.7
33 22 17 13 12 13 15 20 33

+2.2 +2.7 -1.3 -0.7 -0.7 -1.4 -1.9 +4.0 +4.9
33 23 14 13 10 10 12 18 33

-4.2 -2.2 -0.9 -0.8 -1.0 +0.4
33 24 12 14 22 33

-5.6 -5.5 -1.3 -1.0 -1.0 -0.3 -2.5
33 27 20 12 21 24 33

-6.6 -6.6 -1.2 -0.3 -1.1 +0.9
33 27 20 15 23 33

-5.1 -2.1 -0.4 -2.0 +2.7 +5.8
35 27 15 14 21 33

-1.4 -1.4 -0.9 -0.7 +1.0 +3.2
33 27 18 20 21 33

-2.3 -1.5 +0.3
33 20 33

-1.0 +1.3
33 33

-1.3 +0.7
33 32

Sta.

Elev.

15

908.9'

+46 tot

901.3

909.3

+18 00

909.1 ✓

14

909.1 ✓

13

909.1'

12

909.7'

11

911.0'

10

913.2'

+60 -2.0

913.8 ✓

9

915.8'

8

918.4'

7

920.4'

21.

21.

+4.1 +4.1 -1.2 -0.7 -0.7 -1.0 +4.3 +4.3
33 21 15 11 13 14 24 33

+5.6 +5.5 -0.9 -0.7 -1.3 +5.7 +5.7
33 26 16 13 18 26 33

+1.2 +1.2 -0.4 -1.7 -1.6 -0.6 -0.5 -1.4 -0.6 -0.9
33 29 18 14 13 10 13 19 21 33

-2.1 -2.6 -1.0 -0.7 -0.7 -1.0 -3.0 -3.6
33 19 15 10 12 19 27 33

-4.6 -4.6 -5.9 -5.7 -4.4 -0.6 -0.6 -3.7 -3.9
33 29 28 24 17 10 15 22 33

-4.0 -4.0 -4.9 -5.2 -3.4 -0.7 -0.6 -3.5 -3.9 -2.8
33 31 30 23 14 11 14 24 28 33

-2.1 -4.8 -2.5 -0.5 -0.4 -3.8 -4.1 -2.6 -1.9
33 28 18 12 11 23 27 28 33

-3.5 -3.5 -5.4 -3.3 -0.7 -0.6 -2.9 -4.5 -4.4
33 30 27 18 12 14 21 28 33

-3.3 -3.8 -3.9 -0.9 -0.7 -2.9 -3.3
33 28 20 12 12 20 33

-3.0 -1.5 -2.1 -0.6 -0.5 -1.6 -1.6 -0.6 +0.5 +3.3 +3.3
33 23 18 10 13 14 19 20 24 26 33

+4.0 +3.2 -0.7 -1.6 -0.7 -0.7 -1.6 0.0 -0.1
33 23 18 14 11 12 14 18 33

+0.7 +0.6 -1.6 -1.6 -0.7 -0.6 -1.2 -0.5 +0.1
33 22 18 16 12 11 17 18 33

Sta.

Elev.

23

892.1 ✓

22

893.6 ✓

+42 -0.6

895.0 ✓

21

895.4 ✓

20

897.0 ✓

19

899.0 ✓

18

902.4 ✓

+68 -1.7

903.2 ✓

17

904.9 ✓

+45 -1.2

906.0 ✓

16

907.2 ✓

+48 -0.6

908.3 ✓

15

908.9 ✓

-4.7	-4.2	-0.8	-0.5	-2.7	-2.7	-1.8
33	17	10	16	22	27	33

-4.4	-3.3	-1.0	-0.6	-2.4	+2.0	+2.5
33	18	13	13	25	29	33

-1.0	-5.8	-5.6	-0.7	-0.9	-2.3	-2.4	+1.3	+1.7
34	28	29	14	18	21	24	29	33

-2.2	-4.9	-4.7	-0.7	-0.7	-3.0	-2.9	-1.5	-1.3
34	30	20	10	14	20	25	28	33

-3.6	-5.4	-5.1	-0.7	-0.5	-3.6	-3.9	-3.0	-3.0
33	30	21	13	12	20	26	28	33

-6.3	-5.9	-0.7	-0.8	-5.1	-6.1
33	20	12	13	20	33

+0.2	-1.5	-0.6	-0.9	-3.7	-4.3
33	21	11	12	21	33

0.0	-0.1	-1.6	-0.7	-0.8	-1.9	-1.8	-3.2
33	21	17	11	12	17	24	33

+1.5	+2.4	-1.1	-0.7	-0.8	-1.5	+2.1	+1.9
33	22	16	12	13	16	24	33

+4.2	+2.1	-1.0	-0.4	-0.4	-1.1	+1.6	+1.9	+1.9
33	22	17	12	13	17	25	28	33

+5.4	+5.4	-1.2	-0.6	-0.8	-2.1	+4.1	+4.2
33	25	14	11	13	18	25	33

+1.5	+2.0	-0.7	-1.1	+1.3	+4.5	+4.6
33	23	17	15	20	21	33

Sta.

Elev.

31 883.9 ✓

30 884.8 ✓

29 2.7 886.4 ✓

+32 +1.4 13 887.8 ✓

28 888.5 ✓

+33 -0.2 889.2 ✓

27 889.4 ✓

+52 -0.3 889.8 ✓

26 890.1 ✓

25 890.6 ✓

24 891.0 ✓

+54 -0.7 891.4 ✓

23 892.1 ✓

-4.2 -4.2 -3.9 -1.0 -0.8 -3.7 -4.2 -4.2
33 23 18 11 14 18 23 33

-4.2 -4.2 -3.7 -1.1 -0.8 -4.3 -5.4 -5.4
33 26 20 13 12 18 27 33

-0.8 -0.8 -2.3 -2.4 -1.0 -0.8 -2.5 -2.5 -0.7 -0.7
33 27 21 18 15 12 14 24 27 33

+3.6 +3.6 -2.6 -2.6 -0.7 -0.8 -3.0 -3.1 0.0 +2.8 +2.8
38 33 23 21 17 12 17 19 27 33 40

+7.0 +7.3 -1.7 -2.1 -0.7 -0.7 -3.2 -3.0 +4.5 +6.9 +7.0
38 32 21 19 15 13 17 22 33 35 40

+2.1 +1.3 -1.5 -0.4 -1.0 -2.5 -3.2 -0.4 +0.6
33 25 18 15 14 17 23 27 33

+2.9 +1.8 -1.5 -0.6 -0.9 -2.3 -2.7 -1.3 -0.1
33 24 17 13 15 20 24 27 33

+5.5 +4.6 -0.5 -0.5 -2.5 -2.2 -0.9 -0.5
33 24 14 13 20 25 27 33

-0.5 0.0 -1.2 -1.3 -0.4 -0.9 -2.2 -2.7
33 20 19 17 14 12 17 33

X-2.0
-2.1 -2.1 -6.0 -0.5 -0.8 -1.4 -3.1
33 24 18 15 13 20 33

-4.2 -3.3

+4.2 +3.3 +0.4 -1.0 -3.3 -3.3 +0.4 +0.4
33 18 10 14 21 23 31 33

-4.2 -3.4 -0.4 -0.6 -3.5 -3.2 -2.2 -2.2
33 20 13 13 21 25 28 33

Sta.

Elev.

40

884.5'

39

885.0'

+17 +0.2

885.7^v

38

885.5'

+72 +1.1

885.3^v

37

884.2'

36

883.5'

+33 +0.1

883.4^v Road on Lt

35

883.3'

34

882.9'

33

882.2'

32

882.3'

-3.5 -2.1 -0.9 -0.1 +0.3 -1.2 -3.4 -3.9 -4.0
33 24 21 18 5 7 13 25 33

+2.2 -2.3 -1.4 -0.2 +0.4 -0.2 -0.8 -0.7 +0.2
44 38 27 20 9 7 12 24 33

-1.6 -2.4 -2.6 -0.7 -0.4 -1.2 -1.2 +1.8 +2.0
33 24 18 13 15 19 24 29 33

-3.0 -2.6 -0.7 -0.4 -1.2 -1.7 +1.3 +1.1
33 18 13 13 16 24 28 33

-3.6 -3.0 -1.4 -0.8 -2.1 -2.0 -2.5
33 17 12 13 20 25 33

-3.2 -3.7 -0.9 -1.3 -2.9 -4.0 -4.3
33 13 13 14 17 25 33
17

-2.7 -3.4 -1.0 -0.5 -3.6 -4.2 -4.2
33 17 13 11 17 22 33

-1.5 -1.5 -1.5 -1.2 -0.8 -3.4 -3.6 -3.6
33 30 34 15 13 18 21 33

-3.5 -3.5 -3.3 -0.8 -0.8 -3.0 -3.5 -3.5
33 24 18 13 11 16 22 33

-3.1 -3.1 -2.8 -0.8 -0.5 -2.3 -3.1 -3.1
33 24 17 12 11 15 22 33

-2.6 -2.6 -2.6 -0.6 -0.8 -3.0 -2.8 -2.8
33 24 16 12 12 19 24 33

-3.0 -3.0 -3.2 -0.8 -0.7 -2.7 -3.0 -3.0
33 23 16 12 12 17 23 33

Sta.

Elev.

49

898.5

+75 +0.2

898.7 ✓

48

898.9 ✓

47

898.9 ✓

+74 -0.4

898.5 ✓

+22 +0.8
-0.8

(895.9) 897.0

46

(896.7) 896.2

45

892.0 ✓

+45 -1.7

890.1 ✓

44

887.9 ✓

43

884.4 ✓

42

883.7 ✓

41

883.9 ✓

+3.0 +4.0 +2.5 -0.7 0.0 -0.2 -1.5 -3.0 -3.4
33 29 23 12 8 11 20 31 35

+6.5 +6.0 +1.9 -0.5 -0.2 -0.3 -1.2 -0.7 -2.4
33 20 18 14 10 14 20 24 33

+5.7 +5.7 -0.7 -0.3 -0.6 -0.8 +2.1 +1.6
33 25 18 14 12 18 21 30

+5.1 +1.5 +1.0 -0.6 -1.2 +3.9 +3.4 +3.2
33 21 10 11 16 22 27 33

+8.3 +8.3 +1.1 -0.5 -0.5 -0.8 -1.4 -1.0 +4.2 +6.1 +5.7
33 31 25 18 12 12 15 17 22 23 33

+6.6 +8.1 +2.1 -0.4 -0.8 -0.7 -1.8 +4.1 +5.4 +5.6
37 32 25 18 13 11 14 24 29 33

+7.5 +7.1 +2.7 -0.8 -0.4 -0.8 -2.2 -1.0 -1.4
33 30 27 14 13 13 20 24 33

+1.8 -1.7 -3.0 -0.7 -0.8 -1.6 -7.3 -7.4
33 24 19 12 13 17 24 33

-6.2 -5.9 -0.6 -0.6 -6.1 -7.0
33 22 13 13 23 33

-3.6 -4.1 -0.4 -0.8 -4.2 -4.3
33 21 12 13 20 33

-2.4 -2.4 -2.8 -0.6 -0.8 -4.0 -4.2
33 25 19 11 11 17 33

-2.4 -2.8 -2.4 -0.4 -1.0 -3.3 -3.4
33 22 17 12 13 18 33

Sta.

Elev.

57

909.4'

56

907.8'

55

906.5'

54

904.5'

+40 -1.6

902.9'

53

901.6'

52

899.8'

51

899.4'

+56 00

899.4'

50

898.6'

+16 00

898.5'

47

898.5'

+1.7	-0.1	-1.1	-0.4	-1.0	-1.2	0.0	+3.0	+3.0
33	22	20	17	9	12	18	24	33

+4.2	+5.6	-1.3	-0.4	-0.8	-1.3	+2.0	+3.0	+2.9
39	28	19	15	8	12	19	28	33

+3.4	0.0	-1.4	-0.2	-1.0	-2.0	+0.6	+6.0	+6.0
33	25	17	14	10	11	18	28	33

+1.0	+0.2	0.0	-0.8	-0.2	+4.5	+6.7
33	24	14	11	15	25	33

0.0	-1.0	-0.4	-0.3	-0.7	+2.0	+2.0
33	18	14	10	14	20	33

-5.0	-3.4	-0.6	-0.3	-1.3	-0.8
33	24	17	15	18	33

-8.3	-8.2	-0.8	-0.5	-4.3	-5.0
33	31	17	15	21	33

0.0	0.0	-3.0	-0.6	-1.0	-4.3	-5.2	-7.0
33	32	25	16	12	19	24	33

+5.0	+5.0	-2.1	-0.5	-0.7	-4.0	-6.0
33	31	18	13	14	24	33

-0.6	-1.8	-2.3	-1.0	-1.3	-2.0	-10.0
33	27	18	14	14	27	33

+1.0	+1.0	0.0	-1.0	-0.2	-1.0	-5.0	-6.0
35	29	21	14	12	14	25	33

+5.0	+2.0	+0.4	0.0	-0.3	-2.1	-4.0	-6.0
33	26	15	8	18	21	24	33

Sta.

Elev.

66

913.2'

65

912.2'

64

910.4'

+35 +0.7

908.9^v

63

908.2'

+24 +0.4

906.3^v

62

905.9'

61

904.5'

60

904.7'

59

904.5'

58

908.3'

+37 00

909.4^v

57

909.4'

11.

11.

-0.4 -0.7 0.0 -0.5 -1.1 -2.0
33 30 21 5 10 33

+1.7 +1.5 -1.2 -0.4 -0.5 -1.1 +2.0 +2.2
33 28 24 20 13 14 20 33

+0.7 +0.5 -1.0 -0.3 -0.5 -0.2 +1.1 +2.0
33 24 21 15 14 13 17 33
16

-0.8 0.0 -1.2 -1.2 -0.5 -0.5 -1.0 +0.8 +0.5
33 24 22 14 12 11 15 18 33

-5.0 -3.0 -0.6 -0.8 -1.0 -0.8 0.0
33 17 11 14 18 28 33

-10.0 -7.0 -3.0 -0.8 -0.5 -2.8 -4.7 -5.0
43 33 25 10 17 23 29 33

-8.3 -6.1 -0.8 -0.4 -4.0 -4.0
33 20 12 17 24 33

-8.0 -6.4 -0.6 -0.4 -2.0 -2.5
33 22 13 14 19 33

-4.5 -4.6 -4.0 0.0 -1.0 -3.1 -3.7 -4.0
33 28 22 15 14 20 24 27

-2.1 -2.7 -2.1 -0.5 -0.7 -3.0 -3.1 -3.7
33 30 20 15 14 17 25 33

+1.8 +1.5 0.0 -1.1 -0.5 -1.0 -1.2 +3.0 +5.0 +5.1
33 27 23 20 14 14 19 25 30 33

+1.6 +0.7 -1.1 -0.2 -1.0 -1.0 +1.5 +5.0 +4.5
33 25 17 14 10 14 23 22 33
32

Sta.

Elev.

+10

910.2 ✓ End. of Proj. Rd. on R.

71

910.3 ✓

70

910.8 ✓

+56 +1.2

912.0 ✓ P.I. Ent. L & R.

69

912.1 ✓

+50 00

912.1 ✓

68

913.0 ✓

+60 -0.1

913.4 ✓

67

913.7 -

+62 -0.4

912.8 ✓

66

913.2 -

+0.1	00	-1.1	-1.5	-1.8
30	27	16	25	33

-0.4	-0.5	-0.4	-1.1	-1.5	-1.8
33	30	20	14	25	33

00	00	-0.5	-0.3	-0.4	-0.7	-0.6
33	21	15	12	18	23	33

+0.5	00	-0.3	-0.3	-0.3
33	15	14	22	33

00	-0.3	-0.4	-0.2	-0.5	+0.2	00
33	21	15	12	13	18	33

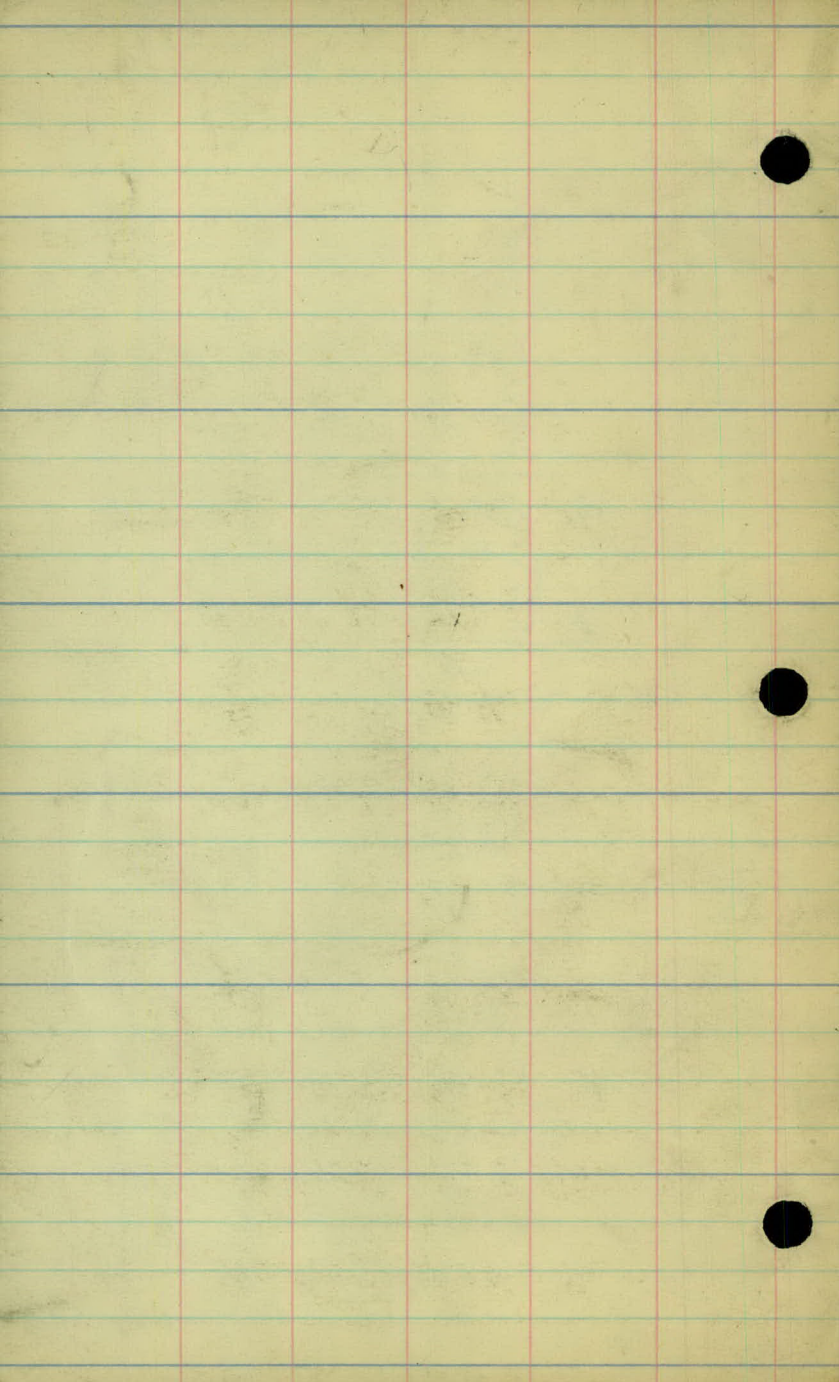
-0.5	-0.7	-1.0	-1.0	-1.0	-2.0	-2.0
33	21	17	15	12	22	33

00	-0.1	-0.6	-0.2	+0.5	00	+0.2
33	20	17	14	14	25	33

-0.3	-0.3	-0.4	-0.4	-0.3	+1.6	+2.3
33	27	14	8	13	23	33

+0.2	-0.4	-0.3	-0.6	-1.0	00	+0.4
33	17	12	10	12	16	33

-0.4	-0.7	-0.5	-0.5	-2.0	-3.0
33	20	17	9	17	33



Humane Ave

69+55 Ent. L. P. 12" x 46' 7"
Ent. R. P. 12" x 16' 1"

68+15 Ent. R. P. 12" x 40'

62+70 Ent. R.
24' - 12" V. P. in p. rem.
P. 12" x 24' C.M.

62+25 12" x 60' C.M. in p.
Cond. OK.

58+50 2 Ent. L.
10" x 30' C.M. in p. Cond. OK
rem. & rep

57+00 Ent. L.
12" x 18' C.M. in p. Cond. OK.
rem. & rep

55+40 Ent. L.
12" x 22' C.M. in p. Cond. OK.
Rem & Rep

54+10 Ent. L. 12" x 22' C.M. in p. Cond. OK
R x R.

51+70

P. 24" x P. 3

No cult. apparent
across road

49+00 Ent. L

12" x 24' C.M. imp.

Cond. OK.

R x R

46+80 Ent. L

12" x 24' C.M. imp. Cond. OK

R x R

45+00 - 46+00

15 stamps Gr.

44+15 Ent. L.

10" x 20' C.M. imp.
Cond. OK.

42+25

18" x 40' C.M. imp.

Cond. OK.

39+50 Ent. L

P. 12" x 24'

35+35 Ent. L.

10" x 30' C.M. imp.

Cond. OK.

R x R

34+50

15" x 36' C.M. imp.

Long. thin

Brush

10' width old

R. 30+00 - 36+00

25+50

10" x 30' C.M. imp.

Ram. not veg

Q

24+50 Ent. R.

P. 12" x 24'

14+00 - 17+00

Brush R.

8' wide

13+40

8" x 44' C.M. imp.

Ram. x P. 24" P. 3

Align. on Road # 9
South on Hamline Ave from
Co. Road E,

Sta. Point Lt. Rt.

40+73¹⁵ P.T.

39+55² P.I.

51°-09'

5.51°-09' W. ✓

X

38+17⁴ P.C.

5.00-00° E. ✓

26+33⁴⁴

Center of Sec. 34.

Mont. laying up on bank.

0+00 P.O.T. Hamline & Co. Road E.

M. Cor. on the E. of Sec. 34.

+17[±]
 39 - 8°-15 1/2'
 40 - 18°-15 1/2'
 +73¹⁵ - 15°-34 1/2'

10" Willow.

22.3, 24
 24.1

T.P.

20°-Curve Rt.

$\Delta = 51^{\circ}-09'12''$

Tang = 137⁸

Length = 255⁷³

Rad. = 287²⁴

P.C. = 38+17[±]

P.T. = 40+73¹⁵

Hornline Ave

1/4 Cor. on the N. line of Sec. 34.

2⁸⁰

0.22

T.P. 0 54.4

T.P. 0 42.8

Co. Road E.

Sta. Point Lt. Rt.

58+14¹ P.T.

X S. 40°-14'E

54+90⁰ P.I. 48°-32'

51+20⁷⁷ P.C.

S. 48°-28'W.

49+29⁴² P.T.

48+28⁵ P.I. 42°-41'

X S. 51°-09'W.

47+14⁰ P.C.

$+20^{\circ}-0^{\circ}-00'$
 47 - $1^{\circ}-46'$
 48 - $6^{\circ}-16'$
 49 - $9^{\circ}-46'$
 50 - $13^{\circ}-16'$ F.P. 0 13.4'
 51 - $16^{\circ}-46'$
 52 - $20^{\circ}-16'$
 53 - $23^{\circ}-46'$
 $+14^{\circ}-24^{\circ}-16'$

$\checkmark 7^{\circ}$ -Curve Lt.
 $\checkmark \Delta = 48^{\circ}-32'$
 Tang. = 369 ²³
 Length = 693 ³³
 Rad = 819 ⁰²
 P.C. = 51 + 20 ²⁷
 P.T. = 58 + 14 ¹

22.3
 0 F.P.

$+16^{\circ}$
 48 - $8^{\circ}-24'$
 49 - $18^{\circ}-24'$
 $+27^{\circ}-21^{\circ}-20\frac{1}{2}'$

20° -Curve Lt.
 $\Delta = 42^{\circ}-41'$
 Tang. = 112 ⁵⁰
 Length = 213 ⁴²
 Rad = 287 ²⁴
 P.C. = 47 + 16 ⁰
 P.T. = 49 + 29 ⁴²

11.4' 0 F.P.
 21.20' 0 T.P.

Sta. Point Lt. Rt.

71+10⁰ P.O.T. End of Proj.

67+09⁰⁰ P.T.

S. 00°-14'E. ✓

65+96⁰ P.I.

48°-38'

X

64+65² P.C.

S. 48°-52'E. ✓

62+58² P.T.

61+85⁰ P.I. 8°-48'

S. 40°-04'E. X

61+11⁵ P.C.

O.T.P.
 42.45'
 7.5'

T.P. O

+65⁹

60 - 3°-24½'

61 - 13°-24½'

62 - 23°-24½'

+09⁰⁰ 24°-19' 18" Oak.

O 10" Oak

O 13.4'

20°-Curve Mt.

$\Delta = 48^\circ - 38'$

Tang. = 130¹¹ V

Length = 243¹⁹ V

Rad. = 287²² V

P.C. = 64 + 65⁸³

P.T. = 67 + 09⁰⁰

+11.5 - 0°-00

57 - 2°-39'

+58² - 4°-24'

6°-Curve Mt.

$\Delta = 8^\circ - 48'$

Tang. = 73⁵ V

Length = 146²² V

Rad. = 955³⁷ V

P.C. = 61 + 11⁵

P.T. = 62 + 58²

24.25 O.F.R.

35.15

O.F.R.

995

10000
2000
2000

8/3

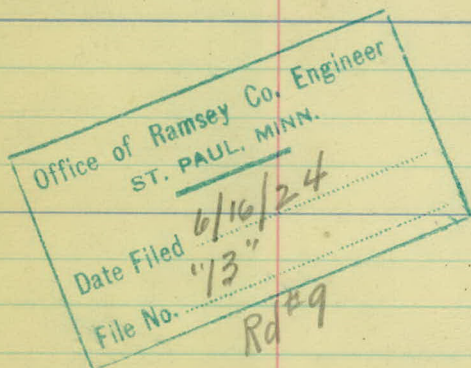
149135

Road #9.
South on Hamline Ave. from Co. Road E

Final - X-Sections.
Sta 0+00 to 70+10

Austin }
Skoglund } Parly
Benthien }
Schmidt }

6-12-24



Station	+	H.I.	-	Rod	Elev
B.M.	5.79	936.29 ✓			930.50 ✓
0 - 15				6.2	30.1.
0 + 00				6.1	30.2.
+ 19				6.1	30.2.
+ 50				6.3	30.0.
1 + 00				7.1	29.2.
+ 50				7.5	28.8.
2 + 00				7.6	28.7.
+ 26				7.6	28.7.
3 + 00				7.8	28.5.
4 + 00				9.0	27.3.
5 + 00				11.2 ✓	25.1.
T.P.	0.70	925.47 ✓	11.52	924.77	
6 + 00				2.8	22.7.
7 + 00				4.6	20.9.

Nail in N.E. Cor. T.P.

$\frac{7.9}{33.0}$ $\frac{7.0}{16.0}$ $\frac{6.2}{6.2}$ $\frac{5.9}{17.0}$ $\frac{5.6}{33.0}$

$\frac{7.2}{33.0}$ $\frac{6.7}{19.0}$ $\frac{6.0}{6.1}$ $\frac{5.4}{18.0}$ $\frac{4.9}{33.0}$

$\frac{8.4}{33.0}$ $\frac{7.2}{19.0}$ $\frac{6.1}{6.1}$ $\frac{5.9}{19.5}$ $\frac{5.9}{33.0}$

$\frac{7.9}{33.0}$ $\frac{7.9}{27.0}$ $\frac{7.2}{7.0}$ $\frac{7.0}{14.0}$ $\frac{6.5}{6.3}$ $\frac{6.8}{19.0}$ $\frac{7.5}{21.5}$ $\frac{7.5}{24.0}$ $\frac{4.5}{27.5}$ $\frac{3.4}{33.0}$

$\frac{12.2}{33.0}$ $\frac{9.2}{25.0}$ $\frac{8.2}{19.0}$ $\frac{7.5}{14.0}$ $\frac{7.5}{7.1}$ $\frac{7.5}{13.5}$ $\frac{8.3}{17.0}$ $\frac{8.2}{19.5}$ $\frac{3.0}{25.0}$ $\frac{1.0}{33.0}$

$\frac{15.0}{33.0}$ $\frac{12.6}{29.0}$ $\frac{9.5}{21.0}$ $\frac{8.4}{17.0}$ $\frac{8.0}{13.0}$ $\frac{6.1}{7.5}$ $\frac{7.9}{15.0}$ $\frac{8.9}{21.5}$ $\frac{9.3}{23.5}$ $\frac{8.1}{28.0}$ $\frac{6.9}{33.0}$

$\frac{13.5}{33.0}$ $\frac{13.5}{28.0}$ $\frac{10.3}{22.0}$ $\frac{9.6}{19.0}$ $\frac{8.5}{17.0}$ $\frac{8.1}{13.0}$ $\frac{6.3}{7.6}$ $\frac{8.1}{14.0}$ $\frac{9.1}{17.0}$ $\frac{9.5}{20.0}$ $\frac{9.3}{23.0}$ $\frac{8.6}{25.5}$ $\frac{9.1}{27.0}$ $\frac{10.9}{30.5}$

$\frac{12.4}{33.0}$ $\frac{11.1}{29.0}$ $\frac{9.9}{22.0}$ $\frac{9.2}{17.0}$ $\frac{8.0}{15.0}$ $\frac{8.1}{12.5}$ $\frac{6.1}{7.6}$ $\frac{8.0}{15.0}$ $\frac{9.2}{17.5}$ $\frac{9.4}{19.0}$ $\frac{9.4}{22.5}$ $\frac{8.9}{25.0}$ $\frac{8.1}{28.5}$ $\frac{7.9}{33.0}$

$\frac{6.0}{33.0}$ $\frac{5.3}{28.0}$ $\frac{9.2}{22.0}$ $\frac{9.0}{20.0}$ $\frac{8.2}{16.5}$ $\frac{8.2}{13.0}$ $\frac{7.9}{7.8}$ $\frac{7.7}{15.0}$ $\frac{8.6}{18.0}$ $\frac{8.4}{21.0}$ $\frac{3.2}{29.5}$ $\frac{3.2}{33.0}$

$\frac{6.1}{33.0}$ $\frac{6.1}{28.5}$ $\frac{10.9}{20.0}$ $\frac{9.6}{15.5}$ $\frac{9.4}{12.0}$ $\frac{9.0}{9.0}$ $\frac{9.2}{16.0}$ $\frac{10.3}{18.5}$ $\frac{10.3}{22.0}$ $\frac{5.5}{29.0}$ $\frac{5.5}{33.0}$

$\frac{13.3}{33.0}$ $\frac{13.2}{28.0}$ $\frac{13.4}{19.0}$ $\frac{11.5}{15.0}$ $\frac{11.4}{12.0}$ $\frac{11.2}{11.2}$ $\frac{11.3}{15.0}$ $\frac{12.9}{18.0}$ $\frac{12.9}{21.0}$ $\frac{12.4}{23.0}$ $\frac{12.7}{27.5}$ $\frac{12.7}{33.0}$

$\frac{4.5}{33.0}$ $\frac{4.5}{29.0}$ $\frac{4.0}{24.0}$ $\frac{4.5}{21.5}$ $\frac{4.5}{19.0}$ $\frac{3.3}{15.5}$ $\frac{2.9}{12.5}$ $\frac{3.0}{15.5}$ $\frac{4.1}{18.0}$ $\frac{4.0}{21.0}$ $\frac{3.0}{23.5}$ $\frac{3.4}{27.5}$ $\frac{3.2}{33.0}$

$\frac{3.9}{27.0}$ $\frac{3.9}{27.0}$ $\frac{5.9}{24.0}$ $\frac{6.0}{19.5}$ $\frac{4.8}{16.0}$ $\frac{4.8}{13.0}$ $\frac{4.8}{4.6}$ $\frac{4.8}{16.0}$ $\frac{5.6}{18.0}$ $\frac{5.6}{23.0}$ $\frac{4.7}{24.5}$ $\frac{4.6}{31.0}$ $\frac{4.8}{33.0}$

Station	+ H.I. ✓		-	Rod. Elev.	
		925.47			
8 + 00				6.3	919.2
9 + 00				9.0 ✓	16.5
T.P.	0.27	916.45 ✓	9.29	916.18	
+ 60				2.0	14.5
10 + 00				3.2	13.3
11 + 00				5.4	11.1
12 + 00				6.6	09.9
13 + 00				7.3 ✓	09.2
T.P.	10.59	916.37 ✓	10.67	905.78	
B.M.	5.96	916.37	5.96	910.41	
14 + 00				7.1	909.3
+ 18				7.1	09.3
+ 46				7.0	09.4
15 + 00				7.4 ✓	09.0
B.M.	7.70	918.11 ✓	5.96	910.41	
+ 48				10.0	908.1

51 2 13.6-24

(6.9)

3.2	2.5	7.9	7.9	6.8	6.8		6.6	7.6	7.9	6.7	6.4	6.8
33.0	30.0	24.0	19.5	16.5	12.0	6.3	16.0	17.0	24.0	37.0	31.0	33.0

(9.7)

12.0	11.5	11.5	11.2	10.0	9.4		9.5	10.6	10.6	6.0	6.0
33.0	28.5	22.5	20.5	15.0	11.0	9.0	16.0	19.0	23.0	29.5	33.0

(2.7)

4.4	5.0	6.2	5.9	2.6	2.3		2.5	4.8	5.4	5.0	5.2
33.0	29.0	24.0	21.0	14.5	10.5	2.0	16.0	20.5	26.0	28.5	33.0

(3.3)

6.8	6.8	9.0	8.1	8.7	3.3		3.6	6.3	6.8	7.6	8.0
33.0	29.0	26.0	22.0	14.5	10.0	3.2	15.0	21.0	26.0	27.5	33.0

(6.5)

6.0	7.6	10.4	9.5	6.0	5.7		5.9	7.5	9.0	9.8	7.9	7.7
33.0	30.5	25.5	20.5	15.0	11.5	5.4	15.0	18.0	23.5	26.0	30.0	33.0

(6.8)

11.0	11.8	11.8	7.2	6.9			7.0	8.4	10.4	10.6	9.9	9.9
33.0	29.0	22.0	15.0	10.0	6.6		14.5	17.5	24.0	28.5	30.0	33.0

(7.4)

12.0	13.2	13.2	12.2	11.8	8.0	7.5		7.4	11.0	11.6	11.2	11.2
33.0	27.0	23.0	22.0	20.0	14.0	9.5	7.3	15.0	22.0	30.0	31.5	33.0

Nail 18" Oak 60' h. sta. 13+95

(7.3)

9.3	10.1	9.9	7.5	7.3			7.3	8.5	9.6	11.0	11.2
33.0	26.0	21.0	14.0	11.0	7.1		15.0	19.5	23.5	30.5	33.0

(7.3)

5.6	8.7	8.1	8.5	7.5	7.3		7.3	8.4	8.8	6.6	9.4
33.0	25.0	21.0	17.5	13.5	11.5	7.1	16.0	19.5	24.5	31.0	33.0

(7.1)

1.4	6.2	8.5	7.3	7.2			7.2	6.2	8.5	8.0	1.4	1.0
33.0	25.0	21.0	16.5	12.0	7.0		15.0	18.0	21.0	24.0	30.5	33.0

(7.6)

3.6	8.8	9.3	9.0	7.8	7.6		7.4	7.8	8.5	8.1	3.2	3.2
33.0	26.5	22.0	19.0	16.0	12.5	7.4	14.5	18.0	21.0	25.0	31.0	33.0

13+95

(9.8)

8.6	8.6	11.5	11.5	11.1	10.4	10.1		9.9	10.2	10.8	11.0	10.6	5.4	5.4
33.0	31.5	26.0	21.5	17.5	16.0	12.5	10.0	11.0	16.0	17.5	21.5	25.0	31.0	33.0

Station	+ H.I.		-	Rod Elev	
		918.11			
16 + 00				10.8	907.3
T.P.	2.43	908.22	12.22	905.89	
+ 45				1.8	06.5
17 + 00				3.0	05.3
+ 68				4.6	03.7
18 + 00				5.9	02.4
T.P.	2.13	901.25	9.20	899.12	
19 + 00				2.2	899.1
20 + 00				4.0	97.3
21 + 00				5.5	95.8
5.44					
+ 42				6.3	95.0
22 + 00				7.5	93.8
23 + 00				9.0	92.3
T.P.	3.04	895.35	8.94	892.31	
+ 54				3.8	91.6
24 + 00				4.2	91.2

71

72

71 6-5-24

$\frac{6.0}{33.0}$ $\frac{6.0}{32.0}$ $\frac{11.6}{24.0}$ $\frac{12.0}{21.0}$ $\frac{11.8}{18.0}$ $\frac{11.0}{15.5}$ $\frac{10.8}{12.0}$ $\frac{10.9}{10.8}$ $\frac{11.0}{11.0}$ $\frac{11.2}{13.0}$ $\frac{11.8}{17.0}$ $\frac{11.8}{25.0}$ $\frac{11.1}{26.0}$ $\frac{6.3}{30.5}$ $\frac{6.3}{33.0}$

$\frac{1.3}{33.0}$ $\frac{1.3}{31.0}$ $\frac{2.8}{27.5}$ $\frac{3.2}{22.0}$ $\frac{3.1}{18.0}$ $\frac{2.5}{16.0}$ $\frac{2.0}{11.5}$ $\frac{1.3}{1.8}$ $\frac{1.9}{11.0}$ $\frac{2.0}{14.0}$ $\frac{3.0}{17.5}$ $\frac{3.4}{22.5}$ $\frac{3.0}{26.5}$ $\frac{0.2}{30.5}$ $\frac{0.0}{33.0}$

$\frac{1.8}{33.0}$ $\frac{1.8}{32.5}$ $\frac{4.0}{28.5}$ $\frac{4.4}{23.5}$ $\frac{4.1}{18.5}$ $\frac{3.2}{16.0}$ $\frac{3.1}{12.0}$ $\frac{3.0}{3.0}$ $\frac{3.0}{11.0}$ $\frac{3.3}{14.5}$ $\frac{4.4}{17.5}$ $\frac{4.6}{21.0}$ $\frac{4.1}{25.5}$ $\frac{1.2}{29.0}$ $\frac{1.3}{33.0}$

$\frac{3.2}{33.0}$ $\frac{3.2}{32.0}$ $\frac{6.3}{28.0}$ $\frac{6.6}{22.0}$ $\frac{6.2}{18.0}$ $\frac{5.2}{15.5}$ $\frac{4.9}{11.5}$ $\frac{4.6}{4.6}$ $\frac{4.8}{10.0}$ $\frac{5.1}{14.0}$ $\frac{7.1}{20.5}$ $\frac{7.2}{23.0}$ $\frac{6.9}{27.0}$ $\frac{6.2}{28.0}$ $\frac{6.4}{32.0}$

$\frac{5.8}{33.0}$ $\frac{6.0}{31.0}$ $\frac{7.0}{29.0}$ $\frac{8.0}{23.0}$ $\frac{7.5}{19.0}$ $\frac{6.4}{15.0}$ $\frac{6.0}{10.5}$ $\frac{5.9}{5.9}$ $\frac{6.0}{10.0}$ $\frac{6.3}{14.5}$ $\frac{9.6}{21.0}$ $\frac{10.3}{33.0}$

$\frac{9.0}{33.0}$ $\frac{8.9}{28.0}$ $\frac{2.6}{16.0}$ $\frac{2.2}{11.0}$ $\frac{2.2}{2.2}$ $\frac{2.2}{10.0}$ $\frac{2.3}{14.5}$ $\frac{8.3}{24.0}$ $\frac{8.3}{33.0}$

$\frac{7.7}{33.0}$ $\frac{8.5}{30.0}$ $\frac{9.6}{26.0}$ $\frac{9.0}{21.5}$ $\frac{4.6}{15.0}$ $\frac{4.3}{10.5}$ $\frac{4.0}{4.0}$ $\frac{4.2}{10.5}$ $\frac{4.5}{15.0}$ $\frac{8.0}{21.0}$ $\frac{8.0}{25.5}$ $\frac{7.1}{28.0}$ $\frac{7.8}{33.0}$

$\frac{8.2}{33.0}$ $\frac{10.6}{30.0}$ $\frac{10.8}{22.0}$ $\frac{6.1}{15.0}$ $\frac{5.8}{8.5}$ $\frac{5.5}{5.5}$ $\frac{5.6}{12.0}$ $\frac{5.6}{16.0}$ $\frac{8.6}{20.0}$ $\frac{8.4}{25.5}$ $\frac{7.1}{27.5}$ $\frac{7.0}{33.0}$

$\frac{7.4}{33.0}$ $\frac{11.0}{28.5}$ $\frac{11.0}{22.5}$ $\frac{6.9}{16.0}$ $\frac{6.3}{9.0}$ $\frac{6.3}{6.3}$ $\frac{6.4}{11.5}$ $\frac{6.9}{16.0}$ $\frac{8.8}{21.0}$ $\frac{8.8}{23.5}$ $\frac{4.8}{28.0}$ $\frac{4.8}{33.0}$

$\frac{12.1}{33.0}$ $\frac{11.2}{20.0}$ $\frac{7.8}{17.0}$ $\frac{7.6}{8.0}$ $\frac{7.5}{7.5}$ $\frac{7.5}{11.5}$ $\frac{7.6}{16.0}$ $\frac{8.7}{18.0}$ $\frac{10.0}{25.0}$ $\frac{6.6}{28.5}$ $\frac{5.2}{33.0}$

$\frac{13.8}{33.0}$ $\frac{13.4}{19.5}$ $\frac{9.8}{14.0}$ $\frac{9.2}{8.0}$ $\frac{9.0}{9.0}$ $\frac{9.1}{11.5}$ $\frac{9.3}{16.0}$ $\frac{11.8}{21.5}$ $\frac{12.1}{26.0}$ $\frac{11.1}{28.5}$ $\frac{11.0}{33.0}$

$\frac{8.4}{33.0}$ $\frac{7.7}{20.5}$ $\frac{4.0}{14.0}$ $\frac{4.0}{8.5}$ $\frac{3.8}{3.8}$ $\frac{3.8}{11.0}$ $\frac{4.2}{16.0}$ $\frac{7.3}{22.0}$ $\frac{7.3}{26.0}$ $\frac{7.1}{28.5}$ $\frac{6.3}{31.0}$ $\frac{6.3}{33.0}$

$\frac{8.6}{33.0}$ $\frac{7.7}{14.5}$ $\frac{4.7}{13.5}$ $\frac{4.3}{9.0}$ $\frac{4.2}{4.2}$ $\frac{4.3}{10.5}$ $\frac{4.8}{16.0}$ $\frac{8.0}{22.5}$ $\frac{4.0}{30.5}$ $\frac{3.8}{33.0}$

Station	+	H.I.	-	Red.	Elev.
		895.35			
25 + 00				4.7	890.7
B.M.				5.28	890.14 890.11
26 + 00				5.2	90.2
+ 52				5.5	89.9
27 + 00				5.8	89.6
T.P.	2.03	891.68	5.50	889.95	
+ 33				2.5	89.4
28 + 00				3.3	88.6
+ 32				3.9	88.0
29 + 00				5.3	86.6
30 + 00				7.0	84.9
31 + 00				7.9	84.0
T.P.	5.40	886.38	10.90	880.98	
32 + 00				4.0	82.4
33 + 00				4.2	82.2
T.P.	7.20	888.18	5.40	880.98	

17

7

17

6-5-24

$\frac{6.5}{33.0}$ $\frac{6.7}{25.0}$ $\frac{7.3}{24.0}$ $\frac{6.9}{18.0}$ $\frac{5.2}{14.5}$ $\frac{4.7}{9.0}$ $\frac{4.8}{9.5}$ $\frac{5.0}{14.0}$ $\frac{7.1}{19.0}$ $\frac{7.4}{25.0}$ $\frac{7.6}{33.0}$

Nail in 18" Oak 30' ht Sta 25+30

$\frac{5.5}{33.0}$ $\frac{6.1}{32.5}$ $\frac{6.9}{28.0}$ $\frac{7.2}{23.5}$ $\frac{6.9}{19.0}$ $\frac{5.6}{15.0}$ $\frac{5.3}{11.0}$ $\frac{5.8}{8.5}$ $\frac{5.5}{14.0}$ $\frac{7.2}{16.5}$ $\frac{7.8}{23.5}$ $\frac{8.0}{33.0}$

$\frac{0.4}{34.0}$ $\frac{6.7}{28.0}$ $\frac{7.0}{23.5}$ $\frac{6.8}{19.5}$ $\frac{6.7}{15.5}$ $\frac{5.6}{10.5}$ $\frac{5.4}{9.5}$ $\frac{5.7}{14.0}$ $\frac{7.3}{18.0}$ $\frac{8.3}{22.0}$ $\frac{7.6}{25.5}$ $\frac{6.5}{27.0}$ $\frac{5.7}{29.5}$ $\frac{6.0}{33.0}$

$\frac{3.2}{33.4}$ $\frac{6.9}{28.5}$ $\frac{7.3}{24.0}$ $\frac{7.4}{19.5}$ $\frac{6.2}{16.0}$ $\frac{6.0}{11.5}$ $\frac{5.9}{9.0}$ $\frac{6.1}{14.5}$ $\frac{5.1}{19.0}$ $\frac{8.7}{22.0}$ $\frac{7.9}{24.5}$ $\frac{7.4}{28.5}$ $\frac{6.0}{30.5}$ $\frac{6.0}{33.0}$

Top 5th 27+00 ht.

$\frac{0.6}{33.0}$ $\frac{0.6}{32.5}$ $\frac{3.5}{28.5}$ $\frac{4.2}{23.0}$ $\frac{4.1}{19.0}$ $\frac{3.0}{17.0}$ $\frac{2.6}{11.0}$ $\frac{2.5}{9.0}$ $\frac{2.8}{15.0}$ $\frac{5.2}{18.5}$ $\frac{5.5}{22.0}$ $\frac{5.0}{23.0}$ $\frac{4.2}{29.5}$ $\frac{2.3}{32.0}$ $\frac{2.1}{33.0}$

$\left(\frac{895.5}{33.0}\right)$ $\frac{0.0}{31.0}$ $\frac{5.0}{24.5}$ $\frac{5.4}{21.5}$ $\frac{5.3}{18.0}$ $\frac{3.8}{15.0}$ $\frac{3.4}{11.0}$ $\frac{3.5}{10.0}$ $\frac{3.8}{14.5}$ $\frac{6.1}{19.0}$ $\frac{5.3}{27.0}$ $\frac{0.0}{32.0}$ $\left(\frac{895.1}{35.7}\right)$

$\frac{0.3}{33.0}$ $\frac{0.3}{32.5}$ $\frac{6.0}{26.0}$ $\frac{6.2}{21.5}$ $\frac{5.8}{18.5}$ $\frac{4.4}{16.0}$ $\frac{4.0}{11.0}$ $\frac{4.0}{9.5}$ $\frac{4.4}{15.0}$ $\frac{6.5}{19.0}$ $\frac{6.0}{25.0}$ $\frac{0.0}{30.5}$ $\left(\frac{896.4}{38.7}\right)$

$\frac{6.1}{33.0}$ $\frac{6.1}{26.0}$ $\frac{6.7}{24.0}$ $\frac{7.7}{20.5}$ $\frac{7.1}{18.0}$ $\frac{5.3}{15.0}$ $\frac{5.4}{12.5}$ $\frac{5.5}{11.0}$ $\frac{5.8}{14.5}$ $\frac{7.5}{18.0}$ $\frac{8.0}{22.0}$ $\frac{7.4}{26.0}$ $\frac{6.1}{27.5}$ $\frac{6.1}{33.0}$

$\frac{11.1}{33.0}$ $\frac{11.0}{20.0}$ $\frac{7.2}{14.0}$ $\frac{7.0}{11.0}$ $\frac{7.2}{9.5}$ $\frac{8.0}{16.5}$ $\frac{12.2}{23.0}$ $\frac{13.2}{33.0}$

$\frac{11.8}{33.0}$ $\frac{11.7}{20.5}$ $\frac{8.6}{15.5}$ $\frac{8.3}{11.0}$ $\frac{8.1}{10.5}$ $\frac{8.6}{16.5}$ $\frac{12.0}{21.0}$ $\frac{13.0}{33.0}$

On Rock 25' ht Sta 31+85

$\frac{6.6}{33.0}$ $\frac{6.7}{20.0}$ $\frac{4.4}{15.5}$ $\frac{4.7}{11.0}$ $\frac{4.0}{10.5}$ $\frac{4.4}{16.0}$ $\frac{6.9}{19.5}$ $\frac{7.0}{33.0}$

$\frac{6.3}{33.0}$ $\frac{6.5}{19.5}$ $\frac{4.9}{17.0}$ $\frac{4.7}{12.5}$ $\frac{4.1}{9.5}$ $\frac{4.4}{14.0}$ $\frac{7.1}{17.0}$ $\frac{7.6}{33.0}$

On Rock 25' ht Sta 31+85

Station + H.I. - Rod Elev.
888.18

34+00 5.4 882.8.

35+00 5.1 83.1.

+ 33 4.9 83.3.

36+00 4.8 83.4.

37+00 4.1 84.1.

+ 72 2.8 85.4.

38+00 2.5 85.7.

T.P. 5.51 891.47 2.22 885.96

+ 17.4 5.5 86.0.

39+00 6.1 85.4.

B.M. 6.16 890.82 6.81 884.66 84.5

40+00 7.0 83.8.

41+00 7.0 83.8.

42+00 7.2 83.6.

43+00 6.4 84.4.

5.3

8.5	8.6	6.3	6.0	5.2	5.5	5.7	8.2	8.8	8.9
33.0	20.0	15.5	10.5	5.2	10.5	14.0	18.5	23.5	33.0

4.9

<u>6.4</u>	<u>8.4</u>	5.6	5.2		<u>5.1</u>	<u>5.4</u>	<u>7.9</u>	<u>9.0</u>	<u>9.0</u>
33.0	21.0	15.0	9.5	5.1	10.0	14.0	18.0	22.0	33.0

4.8

6.3	5.7	5.3	5.1	5.4	8.4	8.9	9.9	Water
33.0	19.0	11.0	4.9	10.0	15.0	18.0	20.5	33.0

4.7

7.7	8.0	8.0	5.2	4.9	4.9	5.3	8.6	9.0	Water
33.0	25.5	20.0	16.0	9.5	10.0	14.0	20.5	33.0	

4.0

7.2	7.2	4.3	4.0	4.3	4.7	7.6	8.2	8.2
33.0	20.0	15.0	10.0	10.5	15.5	20.0	24.0	33.0

4.9

6.1	6.2	3.4	3.2	2.9	3.2	5.2	5.5	5.1	4.5	4.0
33.0	21.0	16.5	10.5	11.0	16.0	20.5	22.0	24.5	25.0	28.5

4.7

5.3	5.8	5.3	3.0	2.8	2.7	2.9	3.9	3.9	4.3	4.3	4.0	1.5
33.0	26.0	22.0	15.5	10.0	11.5	16.0	18.0	21.0	24.0	28.0	30.0	33.0

4.8

7.3	7.5	8.2	8.5	8.4	6.2	5.9	5.9	6.1	7.0	7.2	7.2	6.9	7.0
33.0	29.5	26.5	25.0	20.0	15.0	10.0	12.0	16.0	18.5	20.0	22.5	23.0	25.0

4.6

4.1	8.2	8.5	8.5	9.0	6.2	6.0	6.2	6.6	7.6	7.8	7.2	6.5	6.1	6.2
42.0	36.5	33.0	30.0	24.0	21.0	13.5	11.0	19.0	21.5	25.0	26.0	30.0	31.0	33.0

Nail in T.P. at Sta 39+64

4.0

9.5	8.6	9.4	7.8	6.8	6.6	7.3	7.4	10.5	11.0	10.7	11.0	11.5
33.0	27.5	23.5	21.5	18.0	12.5	9.0	13.0	17.5	21.0	24.5	28.0	33.0

4.9

9.6	9.6	10.1	7.6	7.2	7.0	7.5	7.7	10.2	10.4	10.4
33.0	23.0	19.5	16.0	13.0	8.5	10.5	15.5	19.5	26.0	33.0

7.1

9.4	10.0	10.6	10.8	7.5	7.4	7.4	7.8	11.4	11.2	10.7
33.0	21.0	20.5	20.0	15.5	10.5	10.0	14.5	19.5	21.0	33.0

6.4

10.5	10.3	10.7	6.8	6.5	6.4	6.4	6.9	11.0	10.5
33.0	23.0	20.0	15.5	10.0	6.4	9.5	15.0	21.5	33.0

Station + H.I. - Rod. Elev.

890.82

44+00

2.8 888.0

+45

0.9 889.9

T.P. 12.65 903.36

0.11 890.71

45+00

11.3 892.1

46+00

7.3 96.1

+22

6.5 96.9

+76

5.2 98.2

47+00

4.5 98.9

T.P. 4.18 903.00

4.54 898.82

48+00

3.8 99.2

+75

4.2 98.8

49+00

4.3 98.7

+16

4.4 98.6

50+00

4.4 98.6

+56

3.7 99.3

H.

L

6-9-24
Right

2.9
 $\frac{9.3}{33.0}$ $\frac{9.0}{23.5}$ $\frac{2.5}{15.5}$ $\frac{3.1}{10.0}$ 2.8 $\frac{2.9}{9.0}$ $\frac{3.1}{15.5}$ $\frac{9.7}{23.0}$ $\frac{10.0}{33.0}$

6.7
 $\left(\frac{991.5}{33.0}\right)$ $\frac{1.7}{28.5}$ $\frac{2.6}{20.5}$ $\frac{3.1}{23.5}$ $\frac{2.8}{20.5}$ $\frac{1.2}{17.0}$ $\frac{1.0}{10.5}$ 0.9 $\frac{1.1}{9.5}$ $\frac{1.5}{16.0}$ $\frac{7.4}{22.0}$ $\frac{8.5}{33.0}$

11.4
 $\frac{5.6}{33.0}$ $\frac{11.5}{25.5}$ $\frac{12.5}{21.0}$ $\frac{12.2}{19.5}$ $\frac{11.8}{16.5}$ $\frac{11.2}{11.0}$ 11.3 $\frac{11.6}{10.5}$ $\frac{11.9}{16.0}$ $\frac{13.0}{18.0}$ $\frac{13.3}{21.5}$ $\frac{13.0}{24.0}$ $\frac{12.5}{26.0}$ $\frac{12.2}{29.0}$ $\frac{12.0}{33.0}$

11.2
 $\left(\frac{904.4}{33.0}\right)$ $\frac{8.0}{24.0}$ $\frac{8.6}{21.0}$ $\frac{8.4}{18.0}$ $\frac{7.3}{16.0}$ $\frac{7.0}{9.0}$ 7.3 $\frac{7.6}{10.5}$ $\frac{7.8}{15.5}$ $\frac{8.6}{18.0}$ $\frac{8.7}{20.5}$ $\frac{8.3}{23.5}$ $\frac{2.0}{30.0}$ $\frac{2.0}{33.0}$

6.4
 $\left(\frac{905.0}{33.0}\right)$ $\frac{0.0}{31.0}$ $\frac{6.8}{25.0}$ $\frac{7.6}{21.5}$ $\frac{7.4}{17.0}$ $\frac{6.7}{16.0}$ $\frac{6.6}{10.5}$ 6.5 $\frac{6.7}{9.5}$ $\frac{6.8}{14.5}$ $\frac{7.6}{17.0}$ $\frac{7.5}{21.5}$ $\frac{1.0}{29.0}$ $\frac{0.5}{33.0}$

4.9
 $\left(\frac{904.4}{33.0}\right)$ $\frac{6.0}{16.5}$ $\frac{6.0}{21.0}$ $\frac{5.6}{19.0}$ $\frac{4.8}{16.0}$ $\frac{4.9}{10.0}$ 5.2 $\frac{5.1}{9.5}$ $\frac{5.5}{15.5}$ $\frac{6.1}{18.0}$ $\frac{5.8}{22.5}$ $\frac{1.5}{26.0}$ $\frac{1.7}{33.0}$

4.5
 $\left(\frac{905.6}{33.0}\right)$ $\frac{0.0}{31.5}$ $\frac{3.7}{27.5}$ $\frac{5.4}{21.0}$ $\frac{5.2}{18.0}$ $\frac{4.4}{16.5}$ $\frac{4.5}{11.5}$ 4.5 $\frac{4.7}{9.0}$ $\frac{4.9}{15.0}$ $\frac{6.0}{17.5}$ $\frac{5.9}{21.0}$ $\frac{2.7}{24.5}$ $\frac{3.2}{33.0}$

Nail in T.P. 30' Rt. Sta 48+05

4.1
 $\left(\frac{906.3}{33.0}\right)$ $\frac{0.0}{30.0}$ $\frac{4.3}{24.5}$ $\frac{4.4}{20.0}$ $\frac{3.5}{18.0}$ $\frac{3.7}{12.0}$ 3.8 $\frac{3.9}{11.5}$ $\frac{4.2}{19.0}$ $\frac{5.8}{22.0}$ $\frac{5.9}{24.0}$ $\frac{4.7}{25.0}$ $\frac{6.7}{33.0}$

4.3
 $\frac{0.0}{33.0}$ $\frac{4.1}{27.5}$ $\frac{4.3}{24.0}$ $\frac{3.4}{21.0}$ $\frac{3.9}{13.5}$ 4.2 $\frac{4.2}{12.5}$ $\frac{4.6}{22.0}$ $\frac{5.4}{27.5}$ $\frac{8.7}{33.0}$

4.5
 $\frac{0.0}{33.0}$ $\frac{4.6}{24.5}$ $\frac{3.5}{21.0}$ $\frac{4.0}{12.0}$ 4.3 $\frac{4.7}{14.0}$ $\frac{5.1}{17.5}$ $\frac{8.0}{23.0}$ $\frac{10.2}{33.0}$

4.5
 $\frac{2.4}{33.0}$ $\frac{2.6}{29.0}$ $\frac{4.7}{25.5}$ $\frac{4.7}{19.5}$ $\frac{4.2}{18.0}$ $\frac{4.1}{11.0}$ 4.2 $\frac{4.7}{12.5}$ $\frac{5.1}{18.5}$ $\frac{8.2}{22.0}$ $\frac{10.4}{31.0}$ $\frac{10.8}{33.0}$

4.4
 $\frac{4.5}{33.0}$ $\frac{4.1}{30.5}$ $\frac{5.5}{29.5}$ $\frac{6.2}{17.0}$ $\frac{4.6}{14.5}$ $\frac{4.3}{9.0}$ 4.4 $\frac{4.8}{8.5}$ $\frac{5.4}{16.0}$ $\frac{12.4}{25.0}$ $\frac{13.8}{29.0}$ $\frac{14.8}{33.0}$

3.6
 $\left(\frac{907.5}{33.0}\right)$ $\frac{0.1}{30.0}$ $\frac{5.0}{28.0}$ $\frac{5.7}{21.0}$ $\frac{5.3}{17.5}$ $\frac{3.8}{15.0}$ $\frac{3.9}{8.5}$ 3.7 $\frac{4.0}{8.0}$ $\frac{4.2}{16.5}$ $\frac{7.8}{22.0}$ $\frac{8.6}{26.5}$ $\frac{9.6}{33.0}$

Station	+	H.I.	-	Red. Elev.
		903.00		
51+00				3.5 999.5
52+00				3.2 998.
T.P.	4.16	904.99	2.17	900.83
B.M.	7.39	910.69	1.69	903.30
53+00				9.1 901.6
+40				8.0 027.
54+00				6.1 046.
T.P.	8.71	915.48	3.92	906.77
55+00				9.0 06.5
56+00				7.5 08.0
57+00				6.0 09.5
+37				6.1 09.4
58+00				7.2 08.3
T.P.	3.44	909.92	9.00	906.48
59+00				3.4 06.5
60+00				5.2 04.7

Ref.

6-12-24
N. 9. 11.

5.7	5.7	4.7	4.2	7.6	3.6	3.5	3.8	4.4	7.9	9.0	10.0
27.5	27.5	21.0	18.0	14.5	10.5	9.0	9.0	15.0	19.5	25.5	33.0
4.7	4.4	3.2	3.2								
28.5	30.0	31.5	33.0								
12.0	11.2	3.3	3.2			3.5	3.5	6.6	7.8	8.2	6.4
33.0	37.5	76.5	10.5	3.2	8.0	14.0	20.0	22.0	24.5	33.0	

Nail in T.P. 18' Ht 5/4. 53-45

13.6	12.5	9.5	9.1	9.1	9.1	9.0	10.2	10.2	10.7		
33.0	22.0	14.5	11.0	9.1	9.0	15.0	17.0	21.5	33.0		
8.9	9.2	9.6	8.9	7.8	7.9	7.8	7.9	8.9	9.0	6.9	6.6
33.0	25.0	23.0	19.0	14.5	10.0	8.0	9.5	15.5	17.5	19.5	23.5
4.8	5.2	6.4	6.7	5.9	5.9	5.9	5.8	6.4	6.3	0.5	0.0
33.0	26.5	23.0	19.0	16.0	9.5	6.1	9.0	16.5	18.0	21.5	28.0
5.6	6.8	9.6	10.2	9.0	9.0	9.0	9.2	9.8	9.6	3.6	3.2
33.0	29.5	26.5	18.0	15.0	8.5	9.0	15.0	16.5	23.0	29.5	33.0
3.7	5.2	7.9	8.3	7.6	7.3	7.6	8.0	8.7	8.0	4.8	4.6
33.0	27.0	24.0	17.5	16.0	12.0	7.5	9.0	15.0	17.0	21.5	25.5
4.2	4.9	7.0	6.9	6.2	6.0	6.0	6.2	6.8	6.6	2.9	2.9
33.0	28.0	21.0	19.0	17.0	10.5	6.0	9.8	12.5	20.0	22.5	26.5
4.4	4.7	7.0	7.1	6.3	6.0	6.0	6.0	6.0	6.1	1.1	1.3
33.0	29.0	24.0	19.0	16.5	11.0	6.1	11.5	16.5	21.0	28.5	29.5
5.1	5.8	8.2	8.1	7.4	7.1	7.0	7.2	8.0	7.8	2.0	2.0
33.0	27.0	22.5	18.0	16.0	10.0	7.2	9.0	15.0	17.0	23.0	29.5
5.5	5.7	3.7	3.5			3.6	3.8	6.0	6.3	6.5	7.0
33.0	20.0	16.5	10.0	3.4	9.0	15.0	19.0	20.0	26.0	33.0	
9.4	9.2	5.7	5.2			5.1	5.7	8.4	9.1	8.9	
33.0	21.0	15.5	9.2	5.2	9.0	15.0	18.5	21.5	33.0		

Station	+	H.I.	-	Red.	Elev.
		909.92			
61+00				5.4	904.5
62+00				4.2	05.7.
+24				3.9	06.0.
63+00				1.8	08.1.
T.P.	10.15	918.13	1.94	907.98	
+35				8.9	09.2.
T.B.M.				5.95	912.18 (912.20)
64+00				7.7	10.4.
65+00				5.9	12.2.
66+00				4.8	13.3.
+62	End. Grading			4.7	13.4.
67+00				4.4	13.7.
+60				4.2	13.9.
T.P.	3.70	917.03	4.80	913.33	
68+00				4.0	13.0.

Left.

Right.

5.4
 $\frac{13.5}{33.0}$ $\frac{12.1}{23.0}$ $\frac{6.0}{15.5}$ $\frac{5.4}{9.0}$ 5.4 $\frac{5.3}{10.5}$ $\frac{5.9}{15.5}$ $\frac{7.1}{17.5}$ $\frac{7.6}{21.0}$ $\frac{7.6}{33.0}$

4.2
 $\frac{12.8}{33.0}$ $\frac{12.8}{22.5}$ $\frac{4.8}{15.0}$ $\frac{4.4}{9.0}$ 4.2 $\frac{4.0}{10.0}$ $\frac{4.0}{16.0}$ $\frac{8.2}{23.0}$ $\frac{8.7}{28.5}$ $\frac{8.7}{33.0}$

3.9
 $\frac{12.6}{33.0}$ $\frac{12.2}{25.0}$ $\frac{4.3}{15.0}$ $\frac{4.0}{10.0}$ 3.9 $\frac{3.7}{9.5}$ $\frac{4.0}{17.0}$ $\frac{6.3}{20.5}$ $\frac{7.0}{24.5}$ $\frac{8.3}{28.5}$ $\frac{8.6}{33.0}$

1.8
 $\frac{7.3}{33.0}$ $\frac{5.6}{20.5}$ $\frac{2.4}{15.0}$ $\frac{2.1}{9.5}$ 1.8 $\frac{2.0}{9.0}$ $\frac{2.2}{14.0}$ $\frac{3.2}{15.5}$ $\frac{3.3}{17.5}$ $\frac{2.5}{19.0}$ $\frac{2.4}{22.0}$ $\frac{2.3}{33.0}$

8.9
 $\frac{9.5}{33.0}$ $\frac{9.3}{30.5}$ $\frac{9.0}{25.0}$ $\frac{10.4}{23.5}$ $\frac{11.0}{19.0}$ $\frac{9.6}{16.0}$ $\frac{9.3}{10.5}$ 8.9 $\frac{9.1}{8.0}$ $\frac{9.3}{13.0}$ $\frac{10.0}{14.5}$ $\frac{10.2}{15.5}$ $\frac{6.2}{17.0}$ $\frac{8.4}{33.0}$

Nail in Oak 35 1/4 5 1/4 6 3/4 7 1/4
 $\frac{7.1}{33.0}$ $\frac{7.8}{27.5}$ $\frac{8.8}{26.0}$ $\frac{9.2}{21.5}$ $\frac{9.0}{19.5}$ $\frac{7.8}{13.0}$ 7.7 $\frac{7.8}{6.0}$ $\frac{8.0}{10.0}$ $\frac{8.8}{11.0}$ $\frac{8.8}{13.5}$ $\frac{6.7}{15.5}$ $\frac{5.5}{33.0}$

5.9
 $\frac{4.4}{33.0}$ $\frac{4.4}{30.0}$ $\frac{6.9}{27.0}$ $\frac{7.1}{23.0}$ $\frac{6.5}{22.0}$ $\frac{6.2}{12.5}$ 5.9 $\frac{6.1}{10.5}$ $\frac{6.1}{16.5}$ $\frac{6.6}{17.5}$ $\frac{6.5}{21.0}$ $\frac{3.2}{25.0}$ $\frac{3.2}{33.0}$

4.8
 $\frac{5.8}{33.0}$ $\frac{5.8}{31.5}$ $\frac{5.7}{27.5}$ $\frac{5.0}{25.0}$ $\frac{4.8}{15.5}$ 4.8 $\frac{5.0}{7.0}$ $\frac{5.8}{12.0}$ $\frac{6.8}{15.0}$ $\frac{7.0}{18.5}$ $\frac{6.6}{19.0}$ $\frac{6.6}{33.0}$

4.7
 $\frac{5.0}{33.0}$ $\frac{5.2}{22.0}$ $\frac{5.7}{18.0}$ $\frac{5.3}{15.0}$ $\frac{5.0}{10.0}$ 4.7 $\frac{5.0}{6.5}$ $\frac{5.3}{11.5}$ $\frac{6.1}{13.5}$ $\frac{6.7}{16.0}$ $\frac{7.3}{23.0}$

4.4
 $\frac{3.4}{33.0}$ $\frac{4.1}{18.5}$ $\frac{4.7}{16.5}$ $\frac{4.9}{12.0}$ $\frac{2.8}{8.5}$ 4.4 $\frac{4.8}{8.0}$ $\frac{5.0}{12.5}$ $\frac{3.8}{18.0}$ $\frac{3.8}{33.0}$

4.2
 $\frac{4.8}{33.0}$ $\frac{4.7}{11.0}$ $\frac{4.3}{7.0}$ 4.2 $\frac{4.5}{7.0}$ $\frac{4.8}{12.0}$ $\frac{4.1}{16.5}$ $\frac{2.4}{22.0}$ $\frac{1.9}{33.0}$

4.0
 $\frac{4.3}{20.0}$ $\frac{4.3}{20.0}$ $\frac{4.8}{16.5}$ $\frac{4.4}{14.0}$ $\frac{4.7}{12.0}$ $\frac{4.2}{7.0}$ 4.0 $\frac{4.1}{7.0}$ $\frac{3.7}{12.0}$ $\frac{3.7}{19.5}$ $\frac{3.7}{33.0}$

Station + H.I. - Rod. Elev.

917.03

68+50

4.9 912.1

69+00

5.0 912.0

+56

5.1 11.9

70+00

6.2 10.8

71+00

6.9 10.1

+10 End. Project

6.9 10.1

T.P. 4.13 914.25 6.91 910.12

B.M. 3.72 910.53

910.55

H

L

H

6-12-24

$$\frac{5.5}{33.0} \frac{5.7}{21.0} \frac{6.0}{18.0} \frac{5.7}{12.5} \frac{5.2}{7.5} 4.9 \frac{5.8}{6.5} \frac{6.0}{11.0} \frac{7.0}{33.0}$$

$$\frac{4.7}{33.0} \frac{4.7}{22.0} \frac{5.3}{12.0} \frac{5.6}{15.0} \frac{5.5}{11.5} \frac{5.0}{7.0} 5.0 \frac{5.4}{6.0} \frac{5.7}{10.0} \frac{4.8}{17.5} \frac{5.1}{33.0}$$

$$\frac{4.7}{33.0} \frac{5.0}{11.0} \frac{5.1}{6.0} 5.1 \frac{5.4}{6.5} \frac{5.7}{9.5} \frac{5.6}{18.0} \frac{5.8}{33.0}$$

$$\frac{6.0}{33.0} \frac{6.1}{23.0} \frac{6.1}{20.0} \frac{6.8}{14.5} \frac{6.8}{11.0} \frac{6.4}{6.8} 6.2 \frac{6.5}{5.5} \frac{7.0}{10.5} \frac{7.0}{13.5} \frac{7.0}{33.0}$$

$$\frac{7.0}{33.0} \frac{7.2}{18.0} \frac{7.1}{17.5} \frac{7.0}{7.0} 6.9 \frac{7.2}{5.5} \frac{7.7}{10.0} \frac{8.5}{22.5} \frac{8.4}{33.0}$$

$$\frac{6.7}{33.0} \frac{6.7}{23.5} \frac{7.2}{11.5} \frac{7.0}{6.5} 6.9 \frac{7.2}{5.0} \frac{7.7}{10.0} \frac{8.5}{25.0} \frac{8.5}{33.0}$$

Nail in T.P. 45' hett. Sta 70+90

