

Book- 8, Dr. 12

X

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan Survey

ASH ST

From White Bear Ave. To Bellaire Ave.

Road Acc't. No. W4

Date Filed 10-29-31

File

PROJ. 31-W4

10-23-31

Weber }
Nicks }
Bell }

Transit Notes

County Road Ash St (Co. Rd. F)
White Bear Ave To Bellaire Ave.

Ang. Lt Ang. Rt.

52+80.⁵⁰ Mont. Badly Tipped

41+00.⁹⁶ P.O.T.

33+00.⁹⁰ P.O.T.

26+43.⁵⁵ Mont. 0°35'

0 + 00

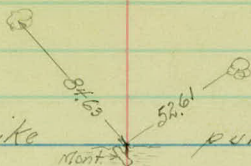
N. 1/4 Cor. Sec. 26 ~~R 21 W T 30 N~~

T 30 R 22

Ties used and spike

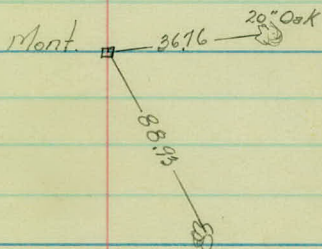
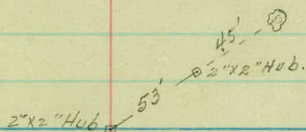
Mont. 45

put in place.



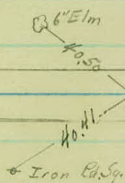
(No tie available)

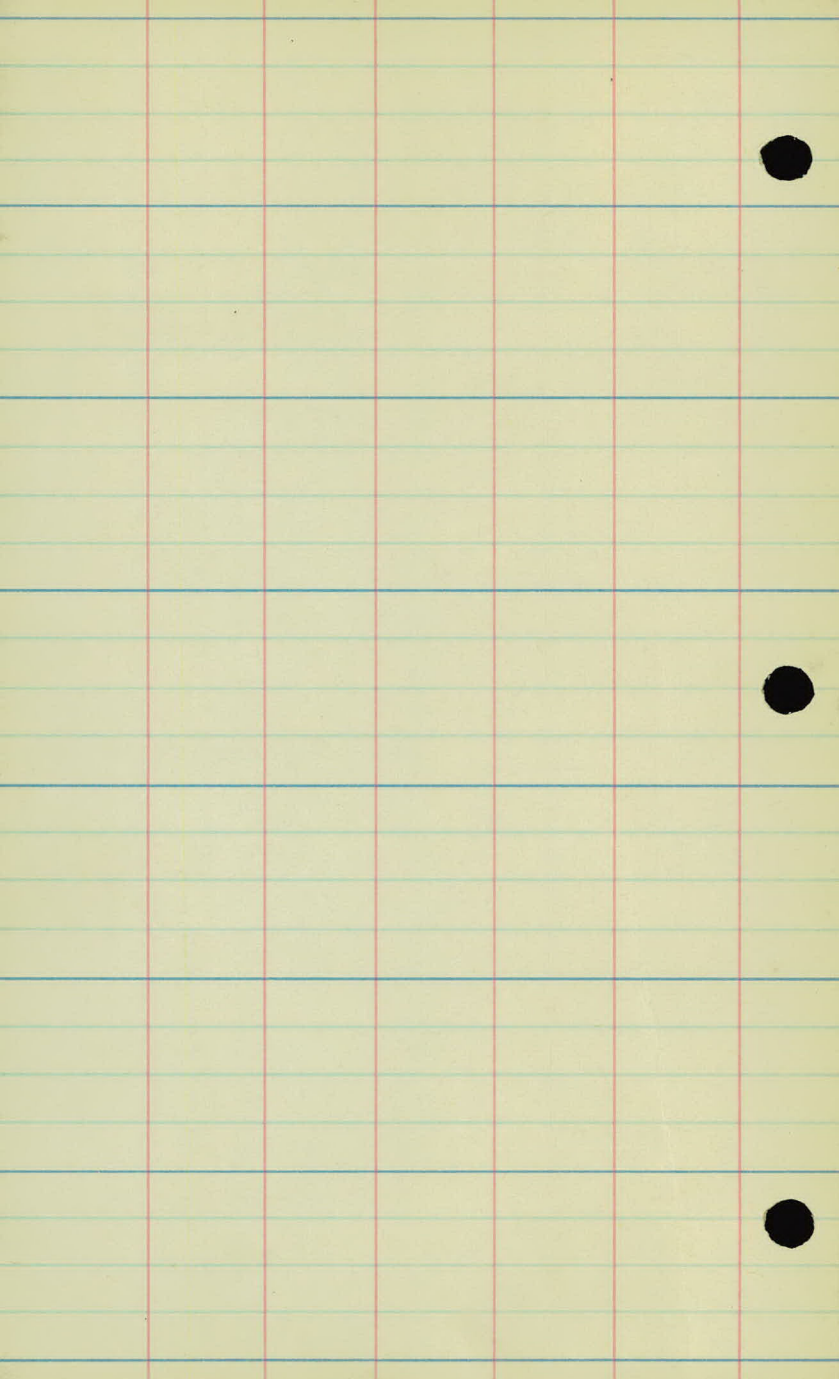
2"x2" Hub.



White Bear

Iron. Ave.





10/21/31
Weber
W. H. Ke
Beth

Topog. Notes
County Road "F"
White Bear Ave To Bellaire Ave.

5

4

3

2

1

0 + 00 = N. $\frac{1}{4}$ Cor. Sec. 26 - R. 21 N. T. 30 N.

+74-8" Elm 23'

+32-12" Elm 23'

+97 T.R. 22' F.26'

+49-12" Elm 24'

F.26'

+25-10" Elm 24'

+17 T.R. 21' F.26'

+83-8" Elm 24'

+41-4" Elm 24'

+100-4" Elm 24' F.26'

+59-10" Elm 24'

+33 T.R. 21'

+13-12" Elm 23' F.26'

+75-4" Elm 24'

+33-6" Elm 23'

+31 F. Cor. 26'

+31 Rd Sq 26'

+24 T.R. 28'

Cultivated

Cultivated

+77-12" Elm 24'

F.27' +94-12" Elm 24'

+68-P.R. 18'

+53-12" Elm 24'

+11-12" Elm 24' F.26'

+68-12" Elm 24'

+27-12" Elm 24'

F.26' +95-P.R. 15' +86-6" Elm 24'

+43-12" Elm 24'

F.27'

+60-12" Elm 24'

+23 P.R. 17'

F.28'

+33 F. Cor. 27'

+23 X Dr.

15" x 50" CM.

16' 34'

W. B. Ave.

Iron

Paye.

8

11

10

9

8

7

6

+65 T.P. 22'

+10 T.P.

F26'

+70-10" Elm 23'

+28-10" Elm 23'

+10 T.P. 22'

F26'

+86-12" Elm 24'

+46-8" Elm 23'

F26'

+63-10" Elm 24'

+50 T.P. 21'

+22-10" Elm 23'

F26'

+39-10" Elm 23'

F26'

+98-10" Elm 24'

+80 T.P. 21'

+15-10" Elm 23'

F26'

+57-10" Elm 22'

+16-8" Elm 23'

+12 P.P. 19'

+33-10" Elm 22'

+51 P.P. 18'

+08-8" Elm 22'

+25-12" Elm 23'

+86 P.P. 18'

+03-8" Elm 23'

Yard

+42-10" Elm 23'

+15-10" Elm 23'

+12 End Garden

+00-10" Elm 23'

Garden

+70-12" Elm 32'

+65 Ctr Farm Ent.

+53 F. Loc. 28'

+39 P.P. 19'

+19-12" Elm 23'

F27

Cultivated

Cultivation

Cultivated

17

16

15

14

13

12

+32 T.P. 22'

+83 F Cor 16' F 16'
+82 F Cor 27'

+88 T.P. 22' F 27'

+50 T.P. 22'

F 27'

+87 T.P. 22' F 27'

F 27'

Cultivated

Cultivated

+51 F Cor 31'
+35 Δ F 47'
+33 T.P. 55'
+23 Farm E.
+10 F Cor. 47'
+00 F Cor 31'

Cultivated

F 31'
+91 P.P. 29'

F 30'

+24 P.P. 25'

F 30'

+55-36" B.O. 21'

+23 F Cor. 31'
114 Field Ent.

+82-12" Elm 22'

+65 P.P. 20'

Cultivated

23

22

21

20

19

18

+94-Tw. 15" B.O. 20'

F10'

Cultivated

Dark Woods

+30-2-18" B.O. 22'
+26-12" B.O. 20'
+06-8" W.O. 19'
F31 +03-15" B.O. 32'

F11

F32'

+07-15" W.O. 20'
+96 F Int 32

F12'

F31'

F14

F31

+87 F Int. 15'
+77 Fld. Ent

F16

Cultivated

Cultivated

F31

F16'

F31'

+66 F. Int

F

29

28

27

26

25

24

+00 Beg Brush

F. 25 and 40'

10'

10'

+50 End Brush

F 23 and 39'

Cultivated.

Cultivated

+00 Beg. Row Brush

10'

+45 F. Cor. 2'

+64-18" B.D. 34

+58 F. Δ 14'

+52-15" B.D. 36

+45 F. Cor. 33

F 3'

F 33'

+75 End Brush.

Oak Woods

F 06'

F 32'

+45 Beg. Brush

+85-14" B.D. 16'

+71-Tw. 8" 26'

+27-15" W.D. 18'

+24-12" W.D. 18'

+10-Tw. 8" W.D. 31'

F 32'

F 8'

Cultivated

35

34

33

32

31

30

15

Pasture.

Scattered Oaks

+37-16" B.O. 24'
F 25'

+38-15" B.O. 29'

F 27'

+07xTw. 10" B.O. 27'

+81-6" W/O 28'

+54-8-10" B.O. 28'
+43 F Δ 37

+00 Beg Brush

F 25 and 39'

8'

Cultivated

+09-2-6" B.O. 25'
F 28 and 44'

+35 End Brush

Cultivated

+23-6" C.W. 24'
+18 8" C.W. 27'
+03-6" C.W. 24'
F 27 and 43'

13'

F 25 and 42'

10'

41

40

39

38

37

36

Cultivated

Cultivation

+70-10" B.O. 33'

Brush line
~~on 1/4 line~~
on 1/4 line

+81-14" W.O. 20'
+66-20" B.O. 35'
+63 F.Cer. 20'
+63 10" Oak 20'

F 20'

Pasture.

F 22'

Cultivated

too End Brush

+36-12" B.O. 25'

F 25

Pasture

+64-15" B.O. 28'

+31-14" B.O. 27'
+15-14" B.O. 26'
F 25

47

46

45

44

43

42

Cultivated

Cultivated

Cultivated

Cultivated

480

52

51

50

49

48

Bellaire

Cutback

+70

+59 Rd. Sq. 17'

Cultivated

Ave.

Pave.

+59 - Rd. Sq. 14'

+58 P.F. 37'

Cultivated

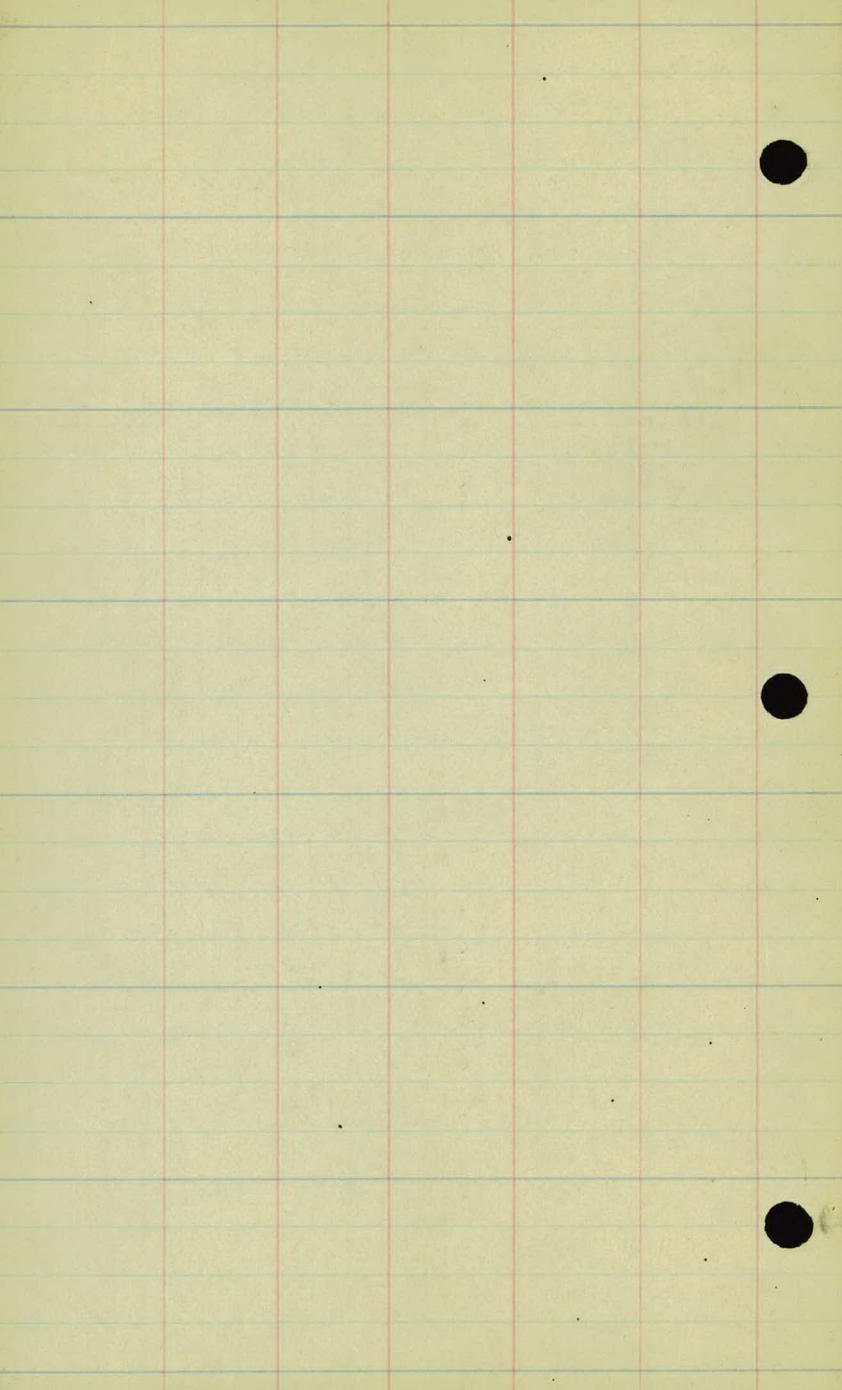
+30 End Brush line 8' wide.

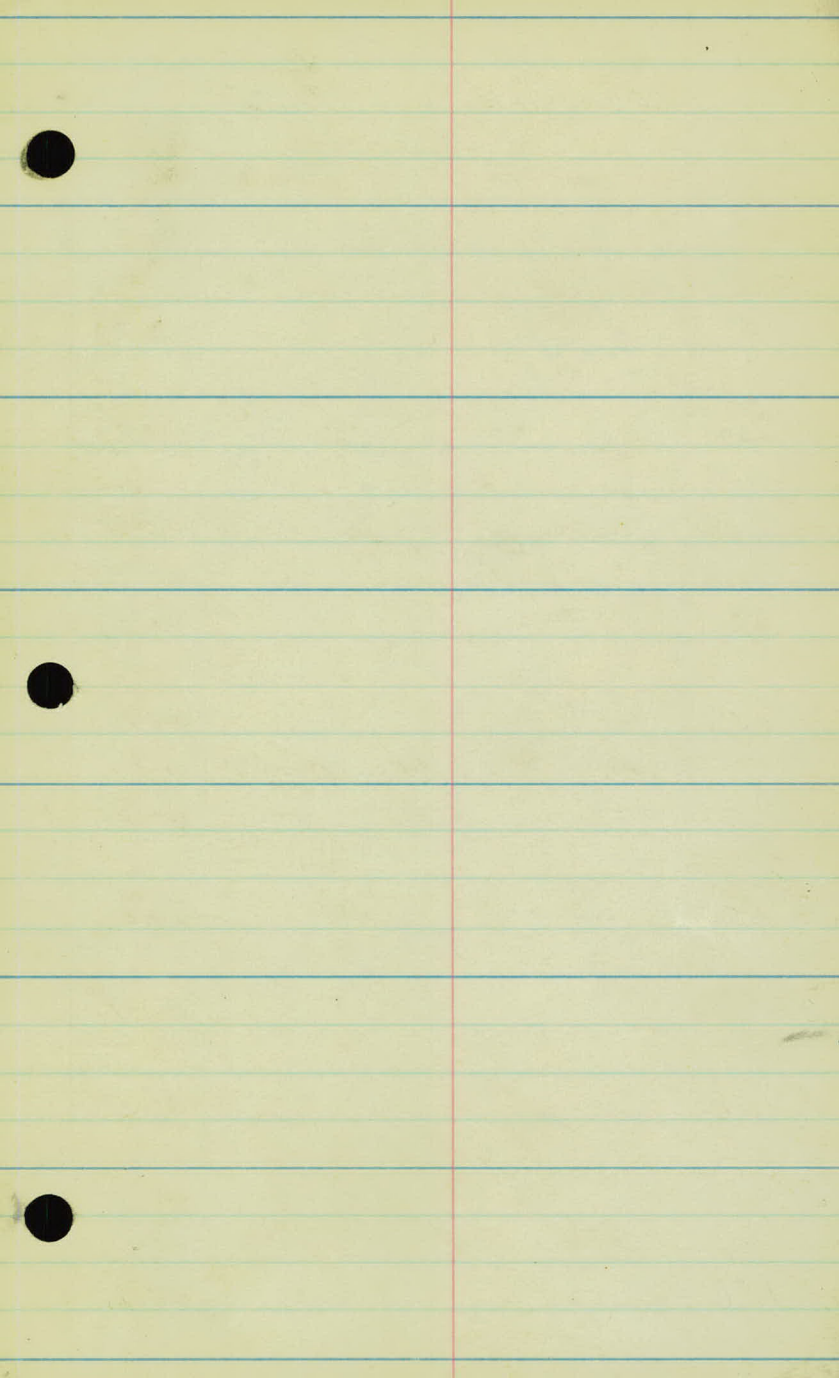
+30 - - - 23'

5-6" B.O.

Cultivated

Cultivated





B.M.	3.58	944.93 ✓	941.35
0+00		L Pavc	941.31
+10		E. edge Pavc	41.2,
+14		Top Shoulder	41.3,
+19		Toe Shoulder	41.3,
+27			41.3,
+32			41.2,
+50			41.1,
1			40.8.
+50			41.0,
2			40.7,
+50			40.5,
3			40.7,
+50			40.7,

LEFT $\frac{1}{2}$ RIGHT

Spike in P.P. 19' at Sta. 1 + 25'

$\frac{3.4}{50}$ $\frac{3.5}{25}$ 3.6 $\frac{3.7}{25}$ $\frac{4.0}{50}$

$\frac{3.4}{50}$ $\frac{3.6}{25}$ 3.7 $\frac{3.8}{25}$ $\frac{3.9}{50}$

$\frac{3.6}{50}$ $\frac{3.7}{25}$ 3.6 $\frac{3.7}{11}$ $\frac{3.7}{18}$ $\frac{3.8}{50}$

$\frac{4.8}{40}$ $\frac{5.0}{24}$ $\frac{4.1}{18}$ 3.6 $\frac{4.2}{25}$ $\frac{4.0}{16}$ $\frac{4.5}{28}$ $\frac{5.4}{33}$ $\frac{5.8}{40}$

$\frac{4.8}{40}$ $\frac{4.8}{33}$ $\frac{5.0}{19}$ $\frac{4.0}{13}$ 3.6 $\frac{4.5}{13}$ $\frac{4.2}{14}$ $\frac{4.7}{27}$ $\frac{5.2}{32}$ $\frac{5.4}{40}$

$\frac{3.0}{40}$ $\frac{3.1}{32}$ $\frac{3.4}{14}$ $\frac{4.1}{13}$ 3.7 $\frac{4.4}{12}$ $\frac{4.1}{13}$ $\frac{3.7}{27}$ $\frac{3.6}{40}$

$\frac{3.4}{40}$ $\frac{3.6}{27}$ $\frac{3.8}{13}$ $\frac{4.1}{12}$ $\frac{3.8}{9}$ 3.8 $\frac{4.0}{6}$ $\frac{4.4}{10}$ $\frac{4.2}{26}$ $\frac{4.7}{40}$

$\frac{4.2}{40}$ $\frac{4.4}{24}$ $\frac{4.4}{13}$ $\frac{4.9}{12}$ $\frac{4.1}{9}$ 4.1 $\frac{4.5}{7}$ $\frac{4.9}{8}$ $\frac{4.6}{8}$ $\frac{5.1}{13}$ $\frac{5.0}{27}$ $\frac{5.5}{40}$

$\frac{4.3}{40}$ $\frac{4.4}{25}$ $\frac{4.5}{13}$ $\frac{5.0}{12}$ $\frac{4.0}{8}$ 3.9 $\frac{4.2}{5}$ $\frac{4.8}{8}$ $\frac{4.4}{8}$ $\frac{5.4}{21}$ $\frac{4.9}{23}$ $\frac{5.8}{40}$

$\frac{3.8}{40}$ $\frac{4.0}{25}$ $\frac{4.4}{16}$ $\frac{4.9}{12}$ $\frac{4.2}{9}$ 4.2 $\frac{4.5}{4}$ $\frac{5.4}{7}$ $\frac{5.0}{8}$ $\frac{5.9}{20}$ $\frac{5.3}{24}$ $\frac{6.1}{40}$

$\frac{4.2}{40}$ $\frac{4.4}{26}$ $\frac{4.9}{14}$ $\frac{5.2}{13}$ $\frac{4.4}{9}$ 4.4 $\frac{4.7}{4}$ $\frac{5.4}{7}$ $\frac{5.0}{8}$ $\frac{5.6}{18}$ $\frac{5.4}{23}$ $\frac{6.0}{40}$

$\frac{4.4}{40}$ $\frac{4.7}{25}$ $\frac{4.8}{14}$ $\frac{5.3}{13}$ $\frac{4.4}{10}$ 4.2 $\frac{4.6}{5}$ $\frac{5.1}{6}$ $\frac{4.6}{7}$ $\frac{5.3}{16}$ $\frac{5.0}{18}$ $\frac{5.5}{20}$ $\frac{5.4}{23}$ $\frac{5.4}{40}$

$\frac{4.2}{40}$ $\frac{4.5}{26}$ $\frac{4.6}{14}$ $\frac{5.3}{13}$ $\frac{4.5}{11}$ 4.2 $\frac{4.6}{5}$ $\frac{5.0}{6}$ $\frac{4.6}{7}$ $\frac{5.3}{17}$ $\frac{5.1}{19}$ $\frac{5.1}{22}$ $\frac{5.6}{40}$

944.93 ✓

4

940.7

+50

40.9.

T.P.

6.84 948.12 ✓ 3.65 941.28

5

41.1.

+50

41.8.

6

42.2.

+50

42.7.

7

✓ 43.2.

B.M.

5.45 948.08 ✓ 5.49 942.63 942.63

+50

43.6.

8

43.8.

+50

43.9.

9

43.9.

+50

44.2.

10

✓ 44.5.

T.P.

3.69 948.31 ✓ 3.46 944.62

LEFT

L

RIGHT

45	44	47	51	4.4		46	51	47	59	53	58
40	26	14	13	11	42	5	6	7	20	24	40

43	41	45	51	4.4		42	48	45	57	51	59
40	27	14	13	11	40	7	6	7	19	22	40

Top Stake Sta. 5+00

66	70	73	77	7.2		74	80	76	88	83	91
40	26	15	14	11	70	5	7	8	18	24	40

60	60	64	70	6.6		69	72	67	77	82	78	86
40	26	15	14	12	63	5	7	8	16	19	24	40

60	60	62	66	61		65	68	66	73	77	73	70
40	26	15	14	13	59	5	7	8	16	19	23	40

54	51	56	55	60	55		56	60	56	70	74
40	26	22	15	14	12	54	4	6	8	20	40

50	49	54	54	57	51		52	56	53	66	71
40	26	23	15	14	12	49	4	6	7	22	40

N.W. Cor Bottom Step 75' Rt Sta. 7+25

44	40	46	48	52	4.5		49	53	51	55	58
40	26	23	15	14	11	45	4	6	7	20	40

43	41	47	46	51	4.3	4.1		46	52	51	59
40	26	22	15	14	11	4	43	3	6	7	40

44	41	46	48	50	4.4	4.1		44	49	46	51	55
40	27	24	14	13	10	3	42	4	7	8	11	40

41	38	43	46	50	4.3	4.0		46	52	47	52	54
40	26	24	14	13	11	3	42	4	6	7	10	40

40	40	46	46	50	4.2		44	47	44	50	50
40	26	23	14	13	10	3.9	4	6	7	10	40

40	40	46	44	47	4.0	3.4		37	43	47	
40	26	23	15	14	11	3	36	3	12	40	

Nail in T.P. 20' Lt 10+10

Station	B.S.	H.I.	FS	Elev
		948.31	✓	
10+50				944.7
11				44.5
+50	✓			44.5
12				44.3
+50				44.1
13				43.7
+50				43.9
14				43.7
+50				43.7
15				43.7
+50				43.9
16				44.1
T.P.	5.45	950.77	✓	✓ 945.32
+50				44.4

Left 2 Right.

$\frac{4.2}{40}$ $\frac{4.5}{24}$ $\frac{4.4}{15}$ $\frac{4.0}{11}$ $\frac{3.5}{5}$ $\frac{3.7}{36}$ $\frac{4.2}{2}$ $\frac{4.4}{5}$ $\frac{4.7}{22}$ $\frac{4.7}{40}$

$\frac{4.0}{40}$ $\frac{4.0}{27}$ $\frac{4.4}{24}$ $\frac{4.4}{16}$ $\frac{4.6}{15}$ $\frac{4.2}{12}$ $\frac{3.7}{5}$ $\frac{3.8}{38}$ $\frac{4.0}{3}$ $\frac{4.3}{6}$ $\frac{4.8}{23}$ $\frac{4.9}{40}$

$\frac{3.7}{40}$ $\frac{3.7}{26}$ $\frac{4.4}{24}$ $\frac{4.7}{15}$ $\frac{4.3}{13}$ $\frac{3.7}{5}$ $\frac{3.8}{38}$ $\frac{3.9}{3}$ $\frac{4.3}{6}$ $\frac{4.0}{7}$ $\frac{4.8}{10}$ $\frac{5.3}{40}$

$\frac{4.2}{40}$ $\frac{4.1}{26}$ $\frac{4.9}{22}$ $\frac{4.5}{15}$ $\frac{4.8}{14}$ $\frac{4.4}{13}$ $\frac{3.9}{5}$ $\frac{4.0}{40}$ $\frac{4.4}{4}$ $\frac{4.7}{5}$ $\frac{4.4}{6}$ $\frac{5.1}{11}$ $\frac{5.6}{40}$

$\frac{3.8}{40}$ $\frac{3.7}{26}$ $\frac{4.7}{22}$ $\frac{4.6}{16}$ $\frac{4.9}{15}$ $\frac{4.5}{12}$ $\frac{4.1}{4}$ $\frac{4.2}{42}$ $\frac{4.6}{3}$ $\frac{5.0}{5}$ $\frac{4.7}{6}$ $\frac{5.6}{11}$ $\frac{5.5}{40}$

$\frac{4.0}{40}$ $\frac{4.3}{27}$ $\frac{4.7}{25}$ $\frac{5.1}{16}$ $\frac{4.7}{12}$ $\frac{4.4}{5}$ $\frac{4.6}{46}$ $\frac{5.1}{3}$ $\frac{4.9}{3}$ $\frac{5.4}{6}$ $\frac{4.7}{11}$ $\frac{4.7}{40}$

$\frac{3.9}{40}$ $\frac{4.4}{28}$ $\frac{4.6}{26}$ $\frac{5.1}{16}$ $\frac{4.7}{15}$ $\frac{4.5}{13}$ $\frac{4.4}{5}$ $\frac{4.7}{2}$ $\frac{4.9}{5}$ $\frac{4.5}{6}$ $\frac{5.2}{15}$ $\frac{4.6}{21}$ $\frac{4.2}{40}$

$\frac{4.0}{40}$ $\frac{3.8}{28}$ $\frac{4.4}{26}$ $\frac{4.6}{16}$ $\frac{5.1}{15}$ $\frac{4.5}{12}$ $\frac{4.3}{5}$ $\frac{4.9}{46}$ $\frac{5.4}{3}$ $\frac{4.8}{5}$ $\frac{4.7}{6}$ $\frac{4.0}{17}$ $\frac{3.9}{30}$ $\frac{3.9}{40}$

$\frac{4.0}{40}$ $\frac{4.0}{28}$ $\frac{4.4}{26}$ $\frac{4.6}{17}$ $\frac{5.0}{16}$ $\frac{4.6}{14}$ $\frac{4.3}{6}$ $\frac{5.1}{46}$ $\frac{4.7}{5}$ $\frac{4.6}{6}$ $\frac{4.0}{26}$ $\frac{3.9}{31}$ $\frac{3.9}{40}$

$\frac{4.4}{40}$ $\frac{4.2}{29}$ $\frac{4.6}{26}$ $\frac{4.7}{18}$ $\frac{5.2}{17}$ $\frac{4.7}{15}$ $\frac{4.3}{6}$ $\frac{5.1}{46}$ $\frac{4.8}{5}$ $\frac{5.1}{6}$ $\frac{4.7}{9}$ $\frac{4.1}{26}$ $\frac{4.0}{30}$ $\frac{4.0}{40}$

$\frac{3.9}{40}$ $\frac{3.9}{29}$ $\frac{4.4}{26}$ $\frac{4.4}{19}$ $\frac{4.8}{17}$ $\frac{4.5}{16}$ $\frac{4.1}{7}$ $\frac{4.4}{44}$ $\frac{5.1}{4}$ $\frac{4.6}{5}$ $\frac{4.4}{26}$ $\frac{3.5}{30}$ $\frac{3.4}{40}$

$\frac{4.3}{40}$ $\frac{3.3}{29}$ $\frac{3.6}{26}$ $\frac{4.0}{18}$ $\frac{4.5}{17}$ $\frac{4.1}{15}$ $\frac{3.8}{8}$ $\frac{4.2}{42}$ $\frac{4.8}{5}$ $\frac{4.3}{6}$ $\frac{4.6}{16}$ $\frac{4.1}{26}$ $\frac{3.5}{30}$ $\frac{3.3}{40}$

NAIL IN T.P. 20' L + 15 + 88

$\frac{5.4}{40}$ $\frac{5.4}{28}$ $\frac{5.9}{27}$ $\frac{6.1}{18}$ $\frac{6.7}{16}$ $\frac{6.2}{14}$ $\frac{6.0}{7}$ $\frac{6.4}{6.4}$ $\frac{6.8}{5}$ $\frac{6.3}{6}$ $\frac{6.9}{10}$ $\frac{6.9}{27}$ $\frac{6.6}{30}$ $\frac{6.6}{40}$

Station	B.S.	H.I.	F.S.	Elev
		950.77		

17				945.1,
----	--	--	--	--------

+50				45.1,
-----	--	--	--	-------

18				45.2,
----	--	--	--	-------

+50				45.5,
-----	--	--	--	-------

19				45.8,
----	--	--	--	-------

+50				46.3,
-----	--	--	--	-------

20				46.5,
----	--	--	--	-------

+50				46.7,
-----	--	--	--	-------

21				46.4,
----	--	--	--	-------

+50				46.8,
-----	--	--	--	-------

22				48.1,
----	--	--	--	-------

+50				48.2,
-----	--	--	--	-------

T.P.	2.02	950.90	✓ 1.89	948.88
------	------	--------	--------	--------

23				47.6,
----	--	--	--	-------

LEFT

L

RIGHT

$$\begin{array}{ccccccc} \frac{5.4}{40} & \frac{5.4}{28} & \frac{5.8}{21} & \frac{5.6}{7} & 5.7 & \frac{6.4}{21} & \frac{6.4}{30} & \frac{6.3}{40} \end{array}$$

$$\begin{array}{ccccccc} \frac{5.1}{40} & \frac{5.2}{22} & \frac{5.2}{7} & 5.7 & \frac{6.1}{17} & \frac{6.2}{28} & \frac{6.0}{30} & \frac{5.9}{40} \end{array}$$

$$\begin{array}{ccccccc} \frac{5.1}{40} & \frac{4.8}{18} & \frac{5.1}{15} & \frac{5.3}{3} & 5.6 & \frac{6.0}{17} & \frac{6.0}{29} & \frac{5.7}{40} \end{array}$$

$$\begin{array}{ccccccc} \frac{5.1}{40} & \frac{5.1}{16} & \frac{5.0}{5} & 5.3 & \frac{5.2}{6} & \frac{5.5}{27} & \frac{5.2}{30} & \frac{5.2}{40} \end{array}$$

$$\begin{array}{ccccccc} \frac{5.2}{40} & \frac{4.8}{15} & \frac{4.6}{3} & 5.0 & \frac{5.1}{27} & \frac{4.6}{31} & \frac{4.9}{35} & \frac{4.9}{40} \end{array}$$

$$\begin{array}{ccccccc} \frac{5.2}{40} & \frac{4.7}{17} & \frac{4.2}{3} & 4.5 & \frac{4.2}{15} & \frac{4.1}{29} & \frac{3.8}{33} & \frac{3.7}{40} \end{array}$$

$$\begin{array}{ccccccc} \frac{4.8}{40} & \frac{4.6}{18} & \frac{3.9}{3} & 4.3 & \frac{4.1}{7} & \frac{3.9}{27} & \frac{3.4}{33} & \frac{3.3}{40} \end{array}$$

$$\begin{array}{ccccccc} \frac{4.3}{40} & \frac{4.5}{16} & \frac{3.9}{3} & 4.1 & \frac{4.0}{12} & \frac{4.0}{28} & \frac{3.5}{34} & \frac{3.5}{40} \end{array}$$

$$\begin{array}{ccccccc} \frac{3.6}{40} & \frac{4.0}{17} & \frac{3.8}{12} & \frac{3.9}{3} & 4.4 & \frac{4.6}{13} & \frac{4.4}{28} & \frac{3.8}{33} & \frac{3.8}{40} \end{array}$$

$$\begin{array}{ccccccc} \frac{2.9}{40} & \frac{3.3}{14} & \frac{3.0}{12} & \frac{3.3}{3} & 4.0 & \frac{4.4}{15} & \frac{4.7}{29} & \frac{4.2}{33} & \frac{4.2}{40} \end{array}$$

$$\begin{array}{ccccccc} \frac{2.4}{40} & \frac{2.4}{26} & \frac{2.3}{11} & 2.7 & 7 & \frac{3.2}{14} & \frac{4.3}{20} & \frac{3.9}{34} & \frac{4.7}{40} & \frac{4.6}{40} \end{array}$$

$$\begin{array}{ccccccc} \frac{2.5}{40} & \frac{2.6}{14} & \frac{2.6}{10} & 2.6 & 7 & \frac{2.9}{14} & \frac{3.7}{33} & \frac{4.2}{33} & \frac{4.4}{40} \end{array}$$

Nail in F.P 10' Lt 22+70

$$\begin{array}{ccccccc} \frac{2.6}{40} & \frac{3.1}{24} & \frac{3.6}{10} & 3.3 & 8 & \frac{3.6}{12} & \frac{4.2}{15} & \frac{4.6}{18} & \frac{3.9}{28} & \frac{3.9}{40} & \frac{4.2}{40} \end{array}$$

950.90 ✓

+50

946.4 ✓

B.M.

4.16 946.74

24

45.0,

+50

44.9,

25

45.9,

T.P.

5.27

955.88 ✓

0.29

950.61

+50

47.6,

26

49.2,

+50

50.6,

27

51.2,

+50

51.2,

28

52.2 ✓

T.P.

10.61

961.22 ✓

5.27

950.61

+50

53.5,

29

56.1,

+50

56.6,

Lt.

L

Rt.

$\frac{3.3}{40}$	$\frac{4.0}{22}$	$\frac{4.6}{11}$	$\frac{4.5}{4.5}$	$\frac{4.2}{5}$	$\frac{4.4}{9}$	$\frac{5.1}{14}$	$\frac{5.1}{20}$	$\frac{4.1}{24}$	$\frac{4.3}{40}$
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ARV. Notes.

Spt. in 15" B.O. 45' Rt 22 + 64 (B.M. 56+70 Bone.)

$\frac{5.6}{40}$	$\frac{6.3}{26}$	$\frac{6.6}{11}$	$\frac{5.1}{8}$	$\frac{5.9}{5.9}$	$\frac{6.0}{8}$	$\frac{6.8}{15}$	$\frac{6.5}{20}$	$\frac{6.7}{34}$	$\frac{6.4}{40}$
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$\frac{7.4}{40}$	$\frac{7.6}{28}$	$\frac{7.1}{10}$	$\frac{6.4}{8}$	$\frac{6.0}{6.0}$	$\frac{6.5}{8}$	$\frac{8.5}{15}$	$\frac{9.7}{22}$	$\frac{9.5}{26}$	$\frac{8.4}{32}$	$\frac{8.4}{40}$
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$\frac{5.1}{40}$	$\frac{5.9}{26}$	$\frac{5.8}{9}$	$\frac{5.4}{7}$	$\frac{5.0}{5.0}$	$\frac{5.3}{10}$	$\frac{6.0}{13}$	$\frac{5.0}{17}$	$\frac{4.6}{30}$	$\frac{4.2}{40}$
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N.E. cor. Mont. 26 + 43.55

$\frac{8.1}{40}$	$\frac{8.3}{24}$	$\frac{8.4}{8}$	$\frac{8.0}{6}$	$\frac{8.3}{8.3}$	$\frac{8.0}{9}$	$\frac{8.4}{14}$	$\frac{7.4}{17}$	$\frac{7.4}{30}$	$\frac{7.4}{40}$
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$\frac{6.9}{40}$	$\frac{7.0}{24}$	$\frac{7.1}{7}$	$\frac{6.6}{5}$	$\frac{6.7}{6.7}$	$\frac{6.9}{11}$	$\frac{7.4}{16}$	$\frac{6.3}{19}$	$\frac{6.0}{32}$	$\frac{6.0}{40}$
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$\frac{5.1}{40}$	$\frac{5.4}{29}$	$\frac{5.1}{10}$	$\frac{5.3}{5.3}$	$\frac{5.8}{8}$	$\frac{5.1}{16}$	$\frac{5.5}{32}$	$\frac{5.5}{40}$
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$\frac{5.9}{40}$	$\frac{5.8}{24}$	$\frac{5.5}{6}$	$\frac{4.7}{4.7}$	$\frac{5.4}{8}$	$\frac{5.4}{26}$	$\frac{4.9}{40}$
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$\frac{5.3}{40}$	$\frac{5.1}{20}$	$\frac{4.9}{7}$	$\frac{4.3}{4.3}$	$\frac{4.9}{13}$	$\frac{5.0}{27}$	$\frac{4.8}{40}$
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$\frac{5.0}{40}$	$\frac{4.4}{25}$	$\frac{4.7}{7}$	$\frac{3.7}{3.7}$	$\frac{4.0}{14}$	$\frac{4.2}{24}$	$\frac{3.9}{36}$	$\frac{3.2}{40}$
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Mont. 26 + 43.55

$\frac{9.5}{40}$	$\frac{8.7}{20}$	$\frac{8.4}{4}$	$\frac{7.7}{7.7}$	$\frac{7.2}{3}$	$\frac{6.7}{12}$	$\frac{7.3}{15}$	$\frac{6.5}{24}$	$\frac{6.1}{40}$
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$\frac{7.1}{40}$	$\frac{6.1}{20}$	$\frac{5.4}{2}$	$\frac{5.1}{5.1}$	$\frac{4.3}{4}$	$\frac{4.3}{13}$	$\frac{5.1}{16}$	$\frac{4.4}{23}$	$\frac{4.3}{40}$
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$\frac{6.4}{40}$	$\frac{5.6}{24}$	$\frac{5.0}{5}$	$\frac{4.6}{4.6}$	$\frac{3.8}{2}$	$\frac{4.4}{4}$	$\frac{4.5}{24}$	$\frac{4.2}{40}$
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Station	B.S.	H.I.	F.S.	Elev.
		961.22	✓	
30				956.5
T.P.	12.00	969.43	✓ 3.79	957.43
+50				56.2
31				56.9
+50				58.7
32				60.2
+50				62.2
33				63.0
+50				62.8
B.M.	3.19	971.65	✓ 0.97	✓ 968.46 {old Notes}
+50				968.42
34				60.2
+50				58.3
35				57.5
T.P.	5.57	963.61	✓ 13.61	958.04
+50				56.8

LEFT

L

RIGHT

$\frac{6.6}{40}$	$\frac{6.0}{23}$	$\frac{5.7}{5}$	4.7	$\frac{5.0}{11}$	$\frac{4.9}{18}$	$\frac{4.5}{24}$	$\frac{4.6}{40}$
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Top Stake 35' R+ 31+00

$\frac{14.1}{40}$	$\frac{14.1}{23}$	$\frac{13.9}{5}$	13.2	$\frac{12.6}{1}$	$\frac{13.1}{11}$	$\frac{12.8}{26}$	$\frac{12.8}{40}$
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$\frac{12.6}{40}$	$\frac{12.8}{22}$	$\frac{13.1}{4}$	12.5	$\frac{12.0}{3}$	$\frac{12.2}{6}$	$\frac{12.6}{14}$	$\frac{12.4}{27}$	$\frac{12.0}{40}$
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$\frac{11.5}{40}$	$\frac{11.2}{31}$	$\frac{11.3}{3}$	10.7	$\frac{10.6}{2}$	$\frac{10.0}{5}$	$\frac{10.8}{13}$	$\frac{10.5}{26}$	$\frac{10.3}{40}$
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$\frac{11.7}{40}$	$\frac{10.8}{21}$	$\frac{9.7}{3}$	9.2	$\frac{8.6}{6}$	$\frac{8.9}{13}$	$\frac{8.7}{21}$	$\frac{7.6}{25}$	$\frac{7.5}{40}$
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$\frac{11.1}{40}$	$\frac{9.8}{2}$	$\frac{7.7}{6}$	7.2	$\frac{6.6}{5}$	$\frac{6.6}{19}$	$\frac{5.1}{23}$	$\frac{4.2}{40}$
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22

$\frac{10.4}{40}$	$\frac{8.6}{22}$	$\frac{6.8}{11}$	6.4	$\frac{4.9}{4}$	$\frac{4.6}{20}$	$\frac{3.6}{24}$	$\frac{2.2}{40}$
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$\frac{6.6}{3}$	$\frac{5.9}{22}$	$\frac{5.0}{25}$	$\frac{1.1}{40}$
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Spk in 6" Oak 35' R+ 33+40

$\frac{13.5}{40}$	$\frac{11.6}{21}$	$\frac{9.8}{3}$	(8.9)
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$\frac{14.4}{40}$	$\frac{14.0}{29}$	$\frac{12.3}{12}$	$\frac{12.3}{4}$	11.5	$\frac{10.8}{6}$	$\frac{9.8}{10}$	$\frac{9.2}{21}$	$\frac{6.0}{27}$	$\frac{4.8}{33}$	$\frac{2.8}{40}$
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$\frac{15.0}{40}$	$\frac{14.6}{20}$	$\frac{14.0}{3}$	13.4	10	$\frac{11.2}{22}$	$\frac{10.5}{29}$	$\frac{5.5}{32}$	$\frac{5.0}{40}$
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$\frac{15.6}{40}$	$\frac{15.6}{26}$	$\frac{14.6}{11}$	14.2	$\frac{12.5}{9}$	$\frac{12.4}{20}$	$\frac{9.8}{25}$	$\frac{7.0}{40}$
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Top Stake 35+00

$\frac{9.2}{40}$	$\frac{7.9}{15}$	$\frac{7.2}{2}$	6.8	$\frac{5.6}{3}$	$\frac{5.4}{10}$	$\frac{5.9}{12}$	$\frac{5.9}{22}$	$\frac{4.5}{24}$	$\frac{2.0}{40}$
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Sta. + H.I. - ⁴⁰ Elev
963.61 ✓

36 954.3,

+50

50.5,

T.P. 1.15 951.75 ✓ 13.01 950.60

37 45.8,

+50

41.8,

38 38.7,

+50

39.8,

39 44.3,

+50

47.7,

B.M. 424 947.51

+78

49.6,

T.P. 9.85 961.34 ✓ 0.26 957.49

40 51.1,

+50

54.8,

41 57.2,

+50

57.1,

10-26-31

Cold and Windy

LEFT

2

RIGHT

$$\frac{13.1}{40} \quad \frac{10.6}{13} \quad \frac{10.5}{4} \quad 9.3 \quad \frac{8.2}{7} \quad \frac{7.9}{10} \quad \frac{8.4}{22} \quad \frac{6.6}{25} \quad \frac{5.0}{40}$$

$$\frac{17.3}{40} \quad \frac{15.3}{13} \quad \frac{14.8}{3} \quad 13.1 \quad \frac{11.8}{4} \quad \frac{11.7}{8} \quad \frac{12.3}{10} \quad \frac{12.0}{22} \quad \frac{9.3}{26} \quad \frac{7.3}{40}$$

Top Stake 12' Rt Sta. 10

$$\frac{9.0}{40} \quad \frac{7.1}{11} \quad \frac{7.2}{4} \quad 6.0 \quad \frac{5.2}{8} \quad \frac{5.6}{10} \quad \frac{5.9}{18} \quad \frac{4.8}{24} \quad \frac{3.6}{25} \quad \frac{1.2}{40}$$

X

$$\frac{11.4}{40} \quad \frac{11.2}{15} \quad \frac{10.8}{3} \quad 10.0 \quad \frac{9.5}{8} \quad \frac{9.6}{10} \quad \frac{10.0}{33} \quad \frac{9.2}{40}$$

$$\frac{12.1}{50} \quad \frac{12.5}{40} \quad \frac{13.3}{18} \quad 13.1 \quad \frac{12.1}{9} \quad \frac{11.6}{17} \quad \frac{13.1}{31} \quad \frac{13.2}{50}$$

$$\frac{10.0}{50} \quad \frac{10.8}{35} \quad \frac{11.5}{8} \quad 12.0 \quad \frac{11.8}{16} \quad \frac{13.9}{25} \quad \frac{14.0}{38} \quad \frac{13.8}{50}$$

$$\frac{5.8}{50} \quad \frac{7.2}{30} \quad \frac{7.9}{9} \quad 7.5 \quad \frac{7.7}{7} \quad \frac{8.5}{8} \quad \frac{8.5}{20} \quad \frac{10.8}{29} \quad \frac{12.4}{50}$$

$$\frac{2.1}{50} \quad \frac{2.5}{40} \quad \frac{3.8}{19} \quad \frac{3.6}{8} \quad 4.1 \quad \frac{4.8}{17} \quad \frac{5.8}{22} \quad \frac{7.0}{34} \quad \frac{8.6}{50}$$

Spk in 20" Out 75' Rt Sta. 39+78

$$+10 \quad +0.1 \quad \frac{10}{16} \quad 22 \quad \frac{2.9}{12} \quad \frac{3.9}{50}$$

Top Stake Sta. 40+00

$$\frac{8.4}{40} \quad \frac{9.7}{20} \quad 10.2 \quad \frac{11.7}{20} \quad \frac{12.5}{40}$$

$$\frac{5.8}{40} \quad \frac{6.4}{20} \quad 6.5 \quad \frac{7.0}{12} \quad \frac{8.1}{18} \quad \frac{9.1}{40}$$

X

$$\frac{4.7}{40} \quad \frac{5.0}{23} \quad \frac{4.9}{7} \quad 4.1 \quad \frac{4.5}{12} \quad \frac{5.4}{12} \quad \frac{6.0}{40}$$

$$\frac{5.6}{48} \quad \frac{5.6}{18} \quad \frac{5.2}{11} \quad 4.2 \quad \frac{4.0}{10} \quad \frac{4.9}{17} \quad \frac{5.4}{40}$$

Sta.	F.S.	H.I.	B.S.	Elev.
42		961.34	✓	956.6,
+50				55.8,
43				55.9,
+50			✓	55.5,
T.P.	530	961.39	5.25	956.09
44				55.7,
+50				55.8,
45				56.0,
+50				56.4,
46				57.2,
+50				58.4,
47				59.0,
T.P.	571	965.27	✓ 1.83	959.56
+50				60.1,
48				60.3,

10-27-11

(Cold + Raining) Left.

L

Right

Windy

$$\frac{5.9}{40} \quad \frac{5.6}{76} \quad 4.7 \quad \frac{4.4}{11} \quad \frac{5.1}{21} \quad \frac{5.9}{40}$$

$$\frac{5.5}{40} \quad \frac{5.8}{11} \quad \frac{5.1}{7} \quad 5.5 \quad \frac{5.1}{11} \quad \frac{5.9}{17} \quad \frac{6.5}{40}$$

$$\frac{5.9}{40} \quad \frac{5.8}{17} \quad \frac{6.4}{12} \quad 5.4 \quad \frac{5.2}{11} \quad \frac{6.3}{17} \quad \frac{6.9}{25} \quad \frac{7.1}{40}$$

$$\frac{6.3}{40} \quad \frac{5.9}{18} \quad \frac{6.5}{12} \quad \frac{5.8}{6} \quad 5.8 \quad \frac{5.1}{10} \quad \frac{6.7}{17} \quad \frac{7.1}{25} \quad \frac{7.1}{40}$$

Top Stake Sta. 44+00

$$\frac{6.2}{40} \quad \frac{6.1}{17} \quad \frac{6.6}{16} \quad \frac{5.9}{8} \quad 5.7 \quad \frac{5.6}{11} \quad \frac{6.7}{21} \quad \frac{6.9}{40}$$

Brunner

Brunner F.M.

$$\frac{5.2}{40} \quad \frac{5.5}{19} \quad \frac{6.2}{15} \quad \frac{5.3}{8} \quad 5.6 \quad \frac{5.9}{10} \quad \frac{7.1}{24} \quad \frac{7.2}{40}$$

$$\frac{4.9}{40} \quad \frac{4.9}{19} \quad \frac{5.9}{14} \quad \frac{5.4}{9} \quad 5.4 \quad \frac{5.3}{12} \quad \frac{6.7}{24} \quad \frac{6.5}{40}$$

$$\frac{4.2}{40} \quad \frac{5.2}{17} \quad \frac{5.8}{12} \quad \frac{5.0}{7} \quad 5.0 \quad \frac{4.6}{13} \quad \frac{5.4}{12} \quad \frac{5.7}{40}$$

$$\frac{4.0}{40} \quad \frac{4.4}{19} \quad \frac{5.4}{14} \quad \frac{4.2}{7} \quad 4.2 \quad \frac{3.7}{11} \quad \frac{4.6}{21} \quad \frac{4.9}{40}$$

$$\frac{3.9}{40} \quad \frac{3.9}{21} \quad \frac{4.9}{15} \quad \frac{2.9}{9} \quad 3.0 \quad \frac{3.0}{10} \quad \frac{3.8}{16} \quad \frac{4.2}{26} \quad \frac{4.1}{40}$$

$$\frac{3.4}{40} \quad \frac{2.3}{20} \quad \frac{3.5}{14} \quad \frac{2.7}{3} \quad 2.4 \quad \frac{2.5}{14} \quad \frac{3.1}{25} \quad \frac{3.4}{40}$$

Top Stake 47+00

$$\frac{6.4}{40} \quad \frac{5.5}{23} \quad \frac{6.3}{14} \quad \frac{5.3}{3} \quad 5.2 \quad \frac{5.6}{13} \quad \frac{6.1}{19} \quad \frac{6.6}{40}$$

$$\frac{6.2}{40} \quad \frac{5.3}{25} \quad \frac{6.2}{18} \quad \frac{5.6}{11} \quad 5.0 \quad \frac{4.9}{13} \quad \frac{5.5}{19} \quad \frac{5.7}{40}$$

Sta.	+	H.I.	-	Elev.
		965.27 ✓		
+50				960.3,
49				60.6,
+50				60.5,
50				60.0,
+50				58.1,
T.P.	2.99	958.49 ✓	9.77	955.50
51				55.3,
+50				53.2,
52				52.5,
+61		Toe Slope		53.8,
+67		Top Shoulder.		54.4,
+80 ³⁰		ℰ Bellaire		55.2,
B.M.		3.76	954.73	
53		3.1	55.39,	}
+25		2.6	55.9,	
+50		2.0	56.5,	
+75		1.2	57.30,	
54		0.4	58.1,	

Lt

L

Rt

Very
cult to Dig

$\frac{6.3}{40}$	$\frac{6.6}{30}$	$\frac{6.0}{23}$	$\frac{6.6}{18}$	$\frac{4.9}{11}$	5.0	$\frac{4.5}{11}$	$\frac{5.0}{17}$	$\frac{5.2}{40}$
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$\frac{5.6}{40}$	$\frac{6.0}{27}$	$\frac{5.3}{22}$	$\frac{6.0}{15}$	$\frac{4.9}{11}$	4.7	$\frac{4.5}{11}$	$\frac{5.1}{23}$	$\frac{5.0}{40}$
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$\frac{5.6}{40}$	$\frac{5.3}{21}$	$\frac{6.4}{16}$	$\frac{5.1}{8}$	4.8	$\frac{4.9}{10}$	$\frac{5.4}{15}$	$\frac{5.6}{23}$	$\frac{5.1}{40}$
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$\frac{5.5}{40}$	$\frac{5.5}{24}$	$\frac{6.8}{16}$	$\frac{5.5}{8}$	5.3	$\frac{5.3}{10}$	$\frac{5.8}{22}$	$\frac{5.2}{40}$
------------------	------------------	------------------	-----------------	-----	------------------	------------------	------------------

$\frac{5.1}{40}$	$\frac{4.9}{21}$	$\frac{8.0}{14}$	$\frac{6.9}{6}$	7.2	$\frac{7.2}{8}$	$\frac{7.9}{22}$	$\frac{7.5}{40}$
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$\frac{3.5}{40}$	$\frac{3.8}{20}$	$\frac{4.7}{15}$	$\frac{3.2}{6}$	3.2	$\frac{3.4}{10}$	$\frac{5.0}{22}$	$\frac{5.5}{40}$
------------------	------------------	------------------	-----------------	-----	------------------	------------------	------------------

$\frac{7.6}{40}$	$\frac{6.9}{15}$	$\frac{5.3}{4}$	5.3	$\frac{5.6}{7}$	$\frac{7.1}{24}$	$\frac{7.6}{40}$
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$\frac{7.3}{40}$	$\frac{6.8}{12}$	$\frac{6.2}{4}$	6.0	$\frac{6.3}{10}$	$\frac{7.6}{25}$	$\frac{7.9}{40}$
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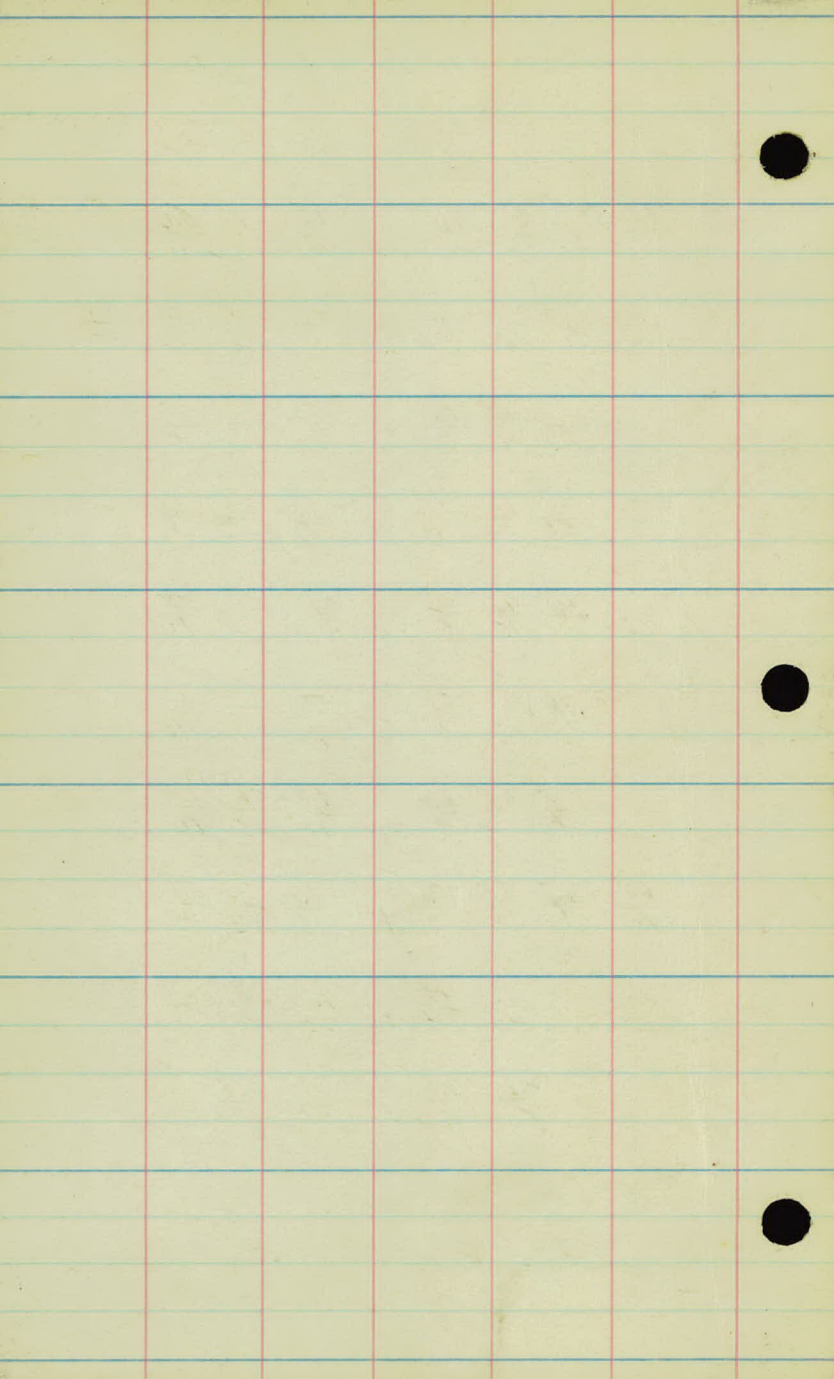
$\frac{6.5}{40}$	$\frac{6.5}{32}$	$\frac{5.9}{12}$	$\frac{5.0}{10}$	4.7	$\frac{4.8}{18}$	$\frac{6.2}{23}$	$\frac{6.0}{40}$
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$\frac{4.9}{40}$	$\frac{4.3}{14}$	4.1	$\frac{4.0}{23}$	$\frac{3.8}{40}$
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$\frac{4.3}{50}$	$\frac{3.8}{2}$	3.3	$\frac{2.9}{25}$	$\frac{2.6}{50}$
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Spike in 20" Oak S.E. cor Bellaire & "F"

Continuation L Co. Rd "F"



31-W4
Plains in Hand

O.V.K.
M.W.C.
10/2/31

- X 0+23 Ext. culv Lt. 15"x10'C.M.
- X 6+65 Rt. Pl. 15"x20'C.M.
- X 13+14 Rt. "
- X 17+23 Rt. "
- X 19+77 Lt. "
- X 22+00-26+00 Rt. Cl. 15
- X 41-12
- X 24+00 Pl. 24"x3 X 42'
- X 31+00 - ~~37+50~~ Rt. Cl. 32
- X Crab where nec. @ 12'
- X 38+00 Pl. 24"x3 X 60'
- X 39+00-40+00 Cl. 4tr & Gr. 4tr.
- X 32+00 Rt. & Lt. No culvs req.
- X 41+00-50+00 Cl. & Gr. Acres
- X 48+00 Rt & Lt. No. culvs req.
- X 52+00 Pl. 24"x 1/2' P3

