

Book-9, Dr. 11-A

X

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan Survey

NORTH CO LINE

From Lexington Ave To Hodgson Rd

Road Acc't. No. M-20

Date Filed 3-13-34

File

PROJ. 34-M20

Proj No. 34-M20

Transit Notes
North County line

62+24⁴⁰ P.O.T.

55+84¹ P.O.T.

45+98²⁰ Mont

(N.E. cor Sec 3-30-23)

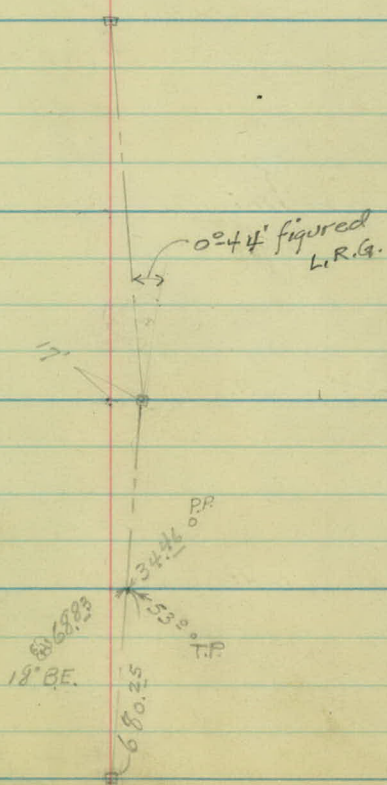
19+59¹⁰ Mont

(N¹/₄ cor Sec 3-30-23)

0+00

0-680²⁵ Mont

(N.W. cor Sec 3-30-23)



$\Delta P \Delta L$

98+79^{2.5} Mont

L Hodgson Rd.

83+26^{2.0} P.O.T.

72+38^{2.0} Mont

0°08¹/₄

Sounding's
N. County Line Sta 5+00
To
18+00
\$

98.79⁰⁵
6.80²⁵

105.59.30

B.M. 0.72 872.19 871.47

T.P. 5.84 871.82 6.21 865.98

14.75 857.07

5+00 0' To 4' = Wet Black Peet
4' To 8' = Wet Light Peet
at 8' Fine wet sand (very firm)

25' Rt 5+00

0+00 To 4' ft = Fine wet sand
4' ft To 6.8 ft = Black wet peet
6.8 ft To 11.2 ft = Light wet peet
11.2 ft = Fine wet sand (solid)

25 Lt of 5+00

0+00 To 1' ft = Pressed Peet
1' ft To 4' ft = Fine damp sand
4' ft To 11' ft = Wet peet
11' ft Fine wet sand (solid)

7+00

0+00 To 4' ft Pressed peet
4' ft To 5' ft Quick sand wet.
5' ft To 12.8 ft Wet peet
12.8 ft Fine wet sand (Solid)

spt. in 18" B.E. N.W. cor 69' N.W. of 0+00

± Creek under Bridge. (0.37 of water in Creek)

9+00

0+00 To 6'ft = Fine wet sand
6'ft Fine wet sand (Solid)

12+00

0+00 To 12.5 Fine wet sand (Solid)

14+00

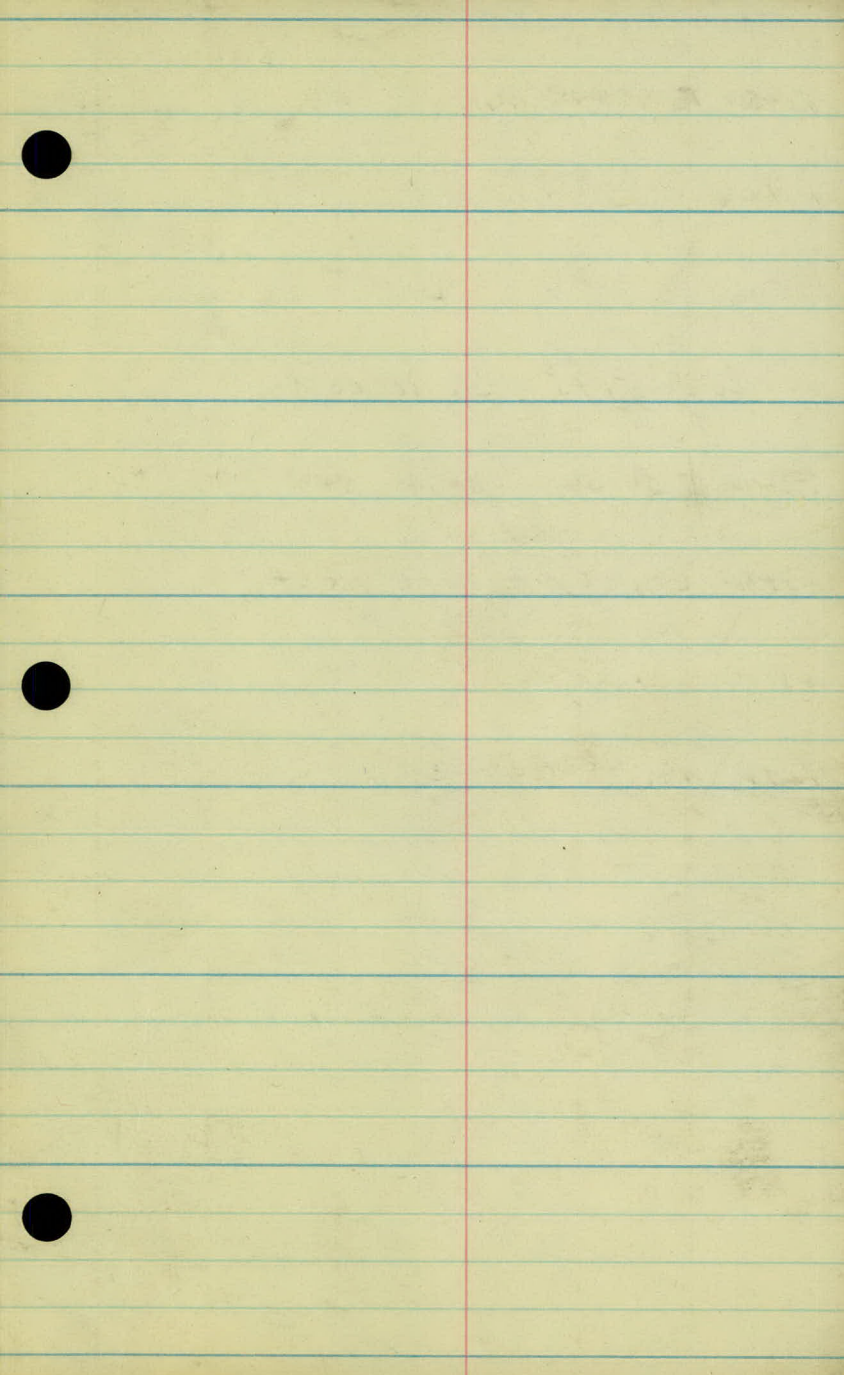
0+00 To 1.5 = Pressed peat.
1.5 To 4'ft Fine sand 90% Peat 10%
4'ft To 6.5'ft Peat 90% Fine sand 10%
6.5'ft To 11.0'ft Wet Peat
11.0'ft Fine wet sand (Solid)

16+00

0+00 To 1.5'ft Pressed Peat
1.5'ft To 3'ft 60% Peat 40% Fine Sand
3'ft To 5'ft Fine wet sand
5'ft To 14.5 Wet peat
14.5'ft = Fine wet sand (Solid)

18+00

0+00 To 1.0'ft = Pressed Peat
1'ft To 2.5 Fine Sand
2.5 To 6' Fine wet sand
6'ft Fine wet sand (Solid)



42+50 To 46+00 Gr. 15 Sta.

47+00 Check Grade

48+50 Pl. 24" P3 ✓

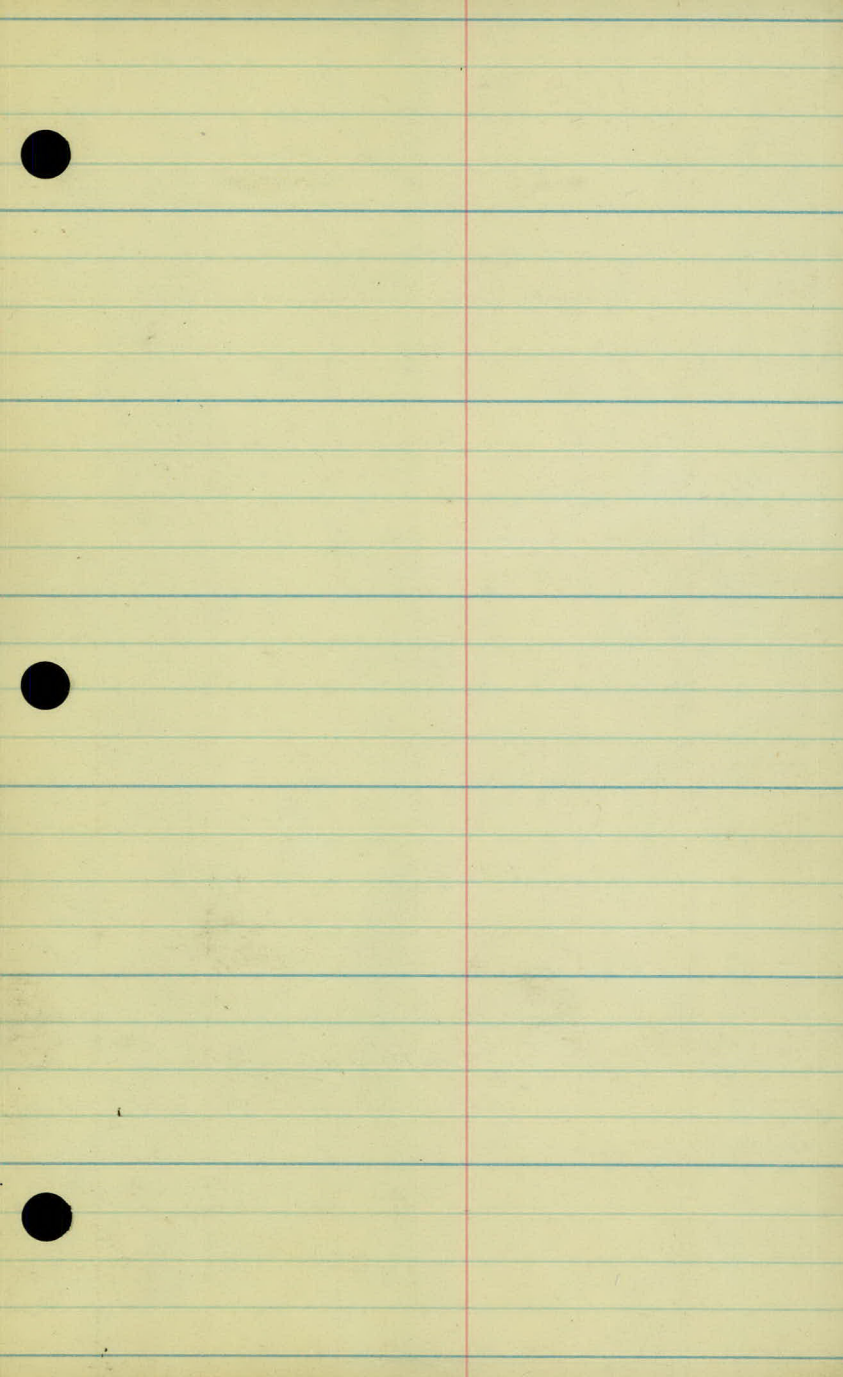
47+25 To 51+50 Cl. ⁴⁷ Acres R+L

53+00 To 54+50 Cl. .18 ac. R+L

53+50 Check Drainage West

59+00 " " "

72+93 Pl. 48" P3 ✓



21+50 To 25+00 Grub Lt. - Acres

26+50 Pl. 24" P3 ✓

Hand Ditch Rt. 26+50 To 29+00

31+50 To 32+25 Cl. & Gr. Acres To Slope
Stakes Lt. & 25' Rt.

32+25 To 34+50 Cl. & Gr. Acres To Slope Stakes Lt. &
20' Rt.

34+50 To 36+10 - Gr. Acres Rt. & Lt.

37+50 Pl. 24" P3 ✓

36+75 To 38+50 Gr. Acres ?

39+25 & To 40+00 Slope Stakes R & L. Gr.

40+00 To 40+75 Slope Stakes R & L Gr.

39+75 To 40+75 Cl. Strip 10' Wide 0.02

41+50 No Culv. Req.

Topog Notes

Sta 0+00 To

5

4

3

2

1

0+00

+50 F 23' $\pm$ Creek 45'

+63 F. int on $\pm$
+90 $\pm$ Rice Creek.

RICE CREEK

Waste.
Land

+50 Δ Pt. 80'

Hay Meadow
Low Boggy land

Hay Meadow
Low Boggy land

+27 iron Sq. Post 3'

+30

+30 T.P. 14'
+20 Shoulder line $\pm$
+12 = Shoulder line 33'

32'

680.25

NNW

11

10

9

8

7

6

11

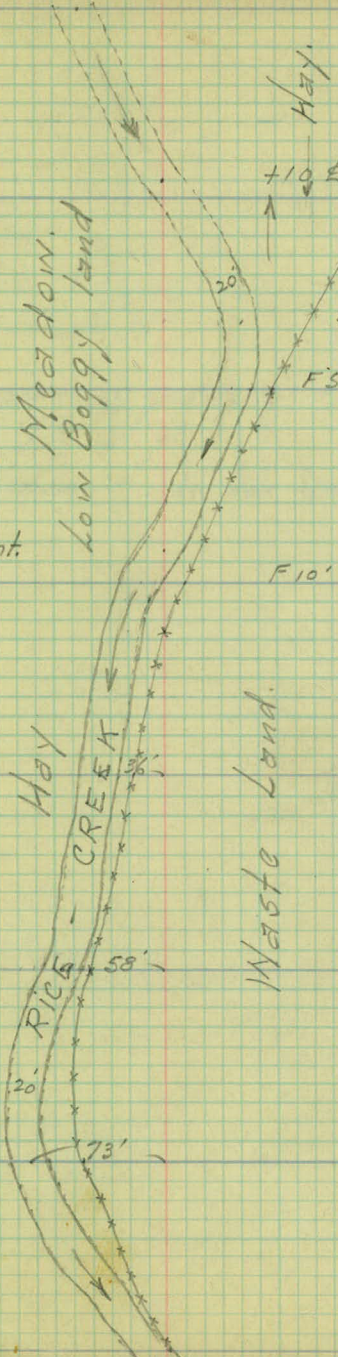
10

9

8

7

6



+16 ± Creek-int.
± Creek 13'

+74 F. int ±

+00 F 42'

+00 F 45'

Hay
CREEK
Rich
20'
58'
73'

Waste Land.

Hay.
+10 ± Creek

+35 Δ Creek 36'
F 58' ± Creek 36'

F 10'

F 18'

17

16

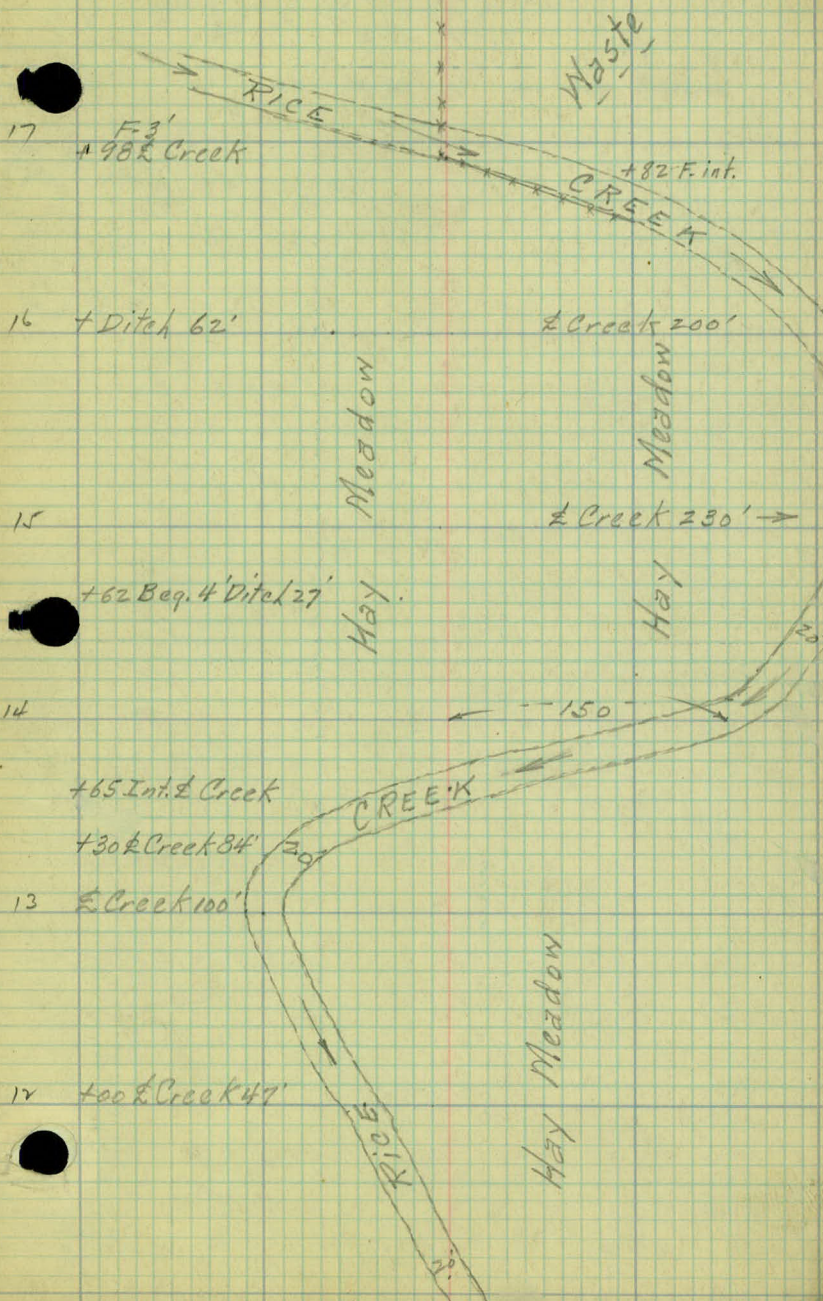
15

14

13

12

F1'



17 F. 3'
+98 1/2 Creek

Waste

16 +Ditch 62'

& Creek 200'

Meadow

Meadow

15 +62 Bq. 4' Ditch 27'

& Creek 230' →

Hay

Hay

14 +65 Int. & Creek

+30 & Creek 84'

13 & Creek 100'

CREEK

12 +60 & Creek 47'

RICE

Hay Meadow

23

22

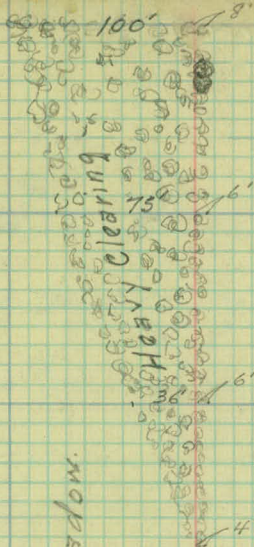
21

20

19

18

+79-24" Oak 8'
+75-18" Oak 8'



Cultivated

Hay Meadow.

+80 End Clearing 18'

18'

+24 Beg light Clearing 24'
(5' wide)

24'

Cultivated

+26 Beg Wooded Area.

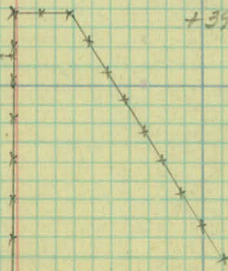
+39 F Cor 1'

+16 F Int.

F 1'

Hay Meadow

+39 F Cor 28'



Hay

29

28

27

26

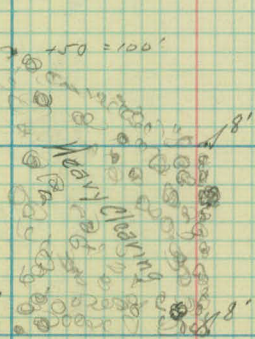
25

24

Hay Meadow
low Buggy land

~~Hay Meadow~~
low Buggy land.

+12-16" Oak 8'



Cultivated

+75-24" Oak 8'

35

34

33

32

31

30

Heavy Clearing

100 End F21
Light Clearing.

Waste.

+46 Beg Light Clearing

F23

23 F Cor 21'

Heavy Clearing

+50 Beg Heavy Clearing

Hay Low Boggy

Hay Low Boggy

41

40

39

38

37

36

light
Clearing

F.14

+75 End Heavy
Clearing

F.12

Waste.

+16 Beg Heavy
Clearing

F.12

+60 End Tam Clearing

Heavy Tam
Clearing

F.12

light Clearing

F.15

Waste

+60 Beg Tam Swamp

Hay

F.15

Heavy
Clearing

47

46

45

44

43

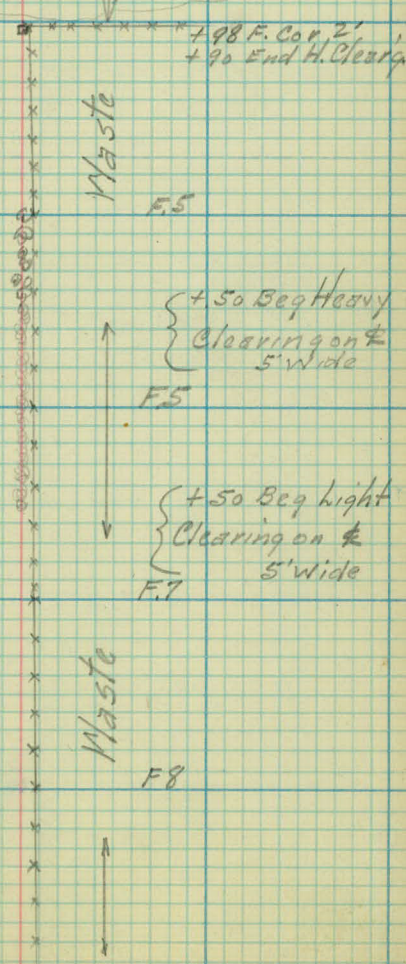
42

444
Tam Swamp
light Clearing

444
Tam. Swamp
light Clearing

Cultivated

Light Clearing



59

58

57

56

55

54

Cult

Cult

+85.35
Anoka Sec. line N. #

Cult

Cult

Tam Swamp
Light Clearing

Tam Swamp
Light Clearing

+50

42

41

43

72

68

7

6

5

4

3

2

1

60

Cult.

~~no. Cult.~~

+93 X Drain in Field right ditch
24" X 20' Cult.

~~to ditch~~

Low land Hay.

Low land Hay Meadow

too Beg Low land
Hay Meadows.

Cult.

Cult.

85

83

82

Cult.

ooooo +60-18" Pop 29

Cult.

+00 Farm Ent.

yard

+73-24" Pop 30

+50-6" BE. 29

+22-12" Elm 29

+00 Farm Ent.

+90-10" Pop 29

+72-15" Elm 29

Cult

29
29
010 300/8
18 8
54
+54 Cor Hill.
Wind brake 29

Cult

Cult

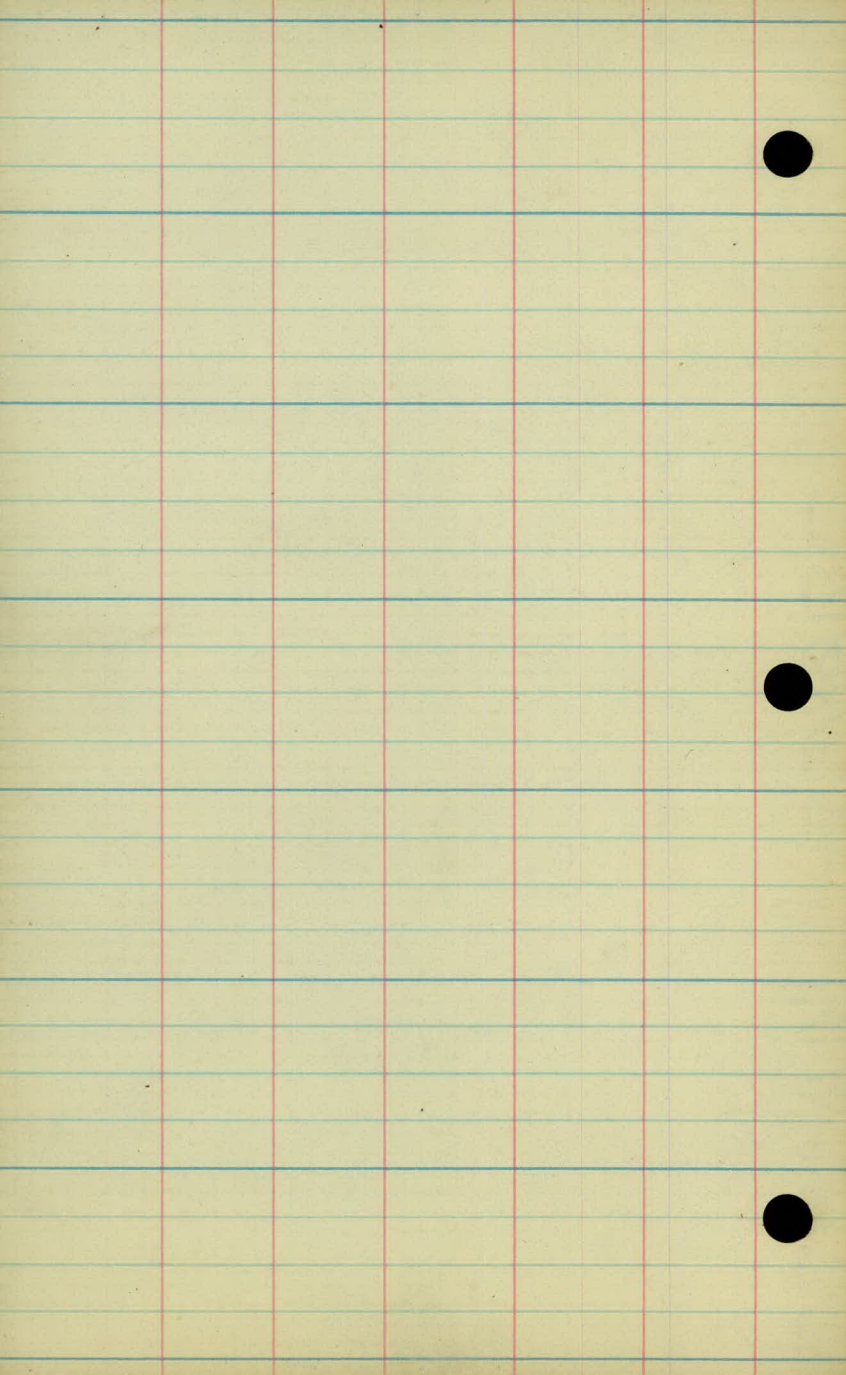
98

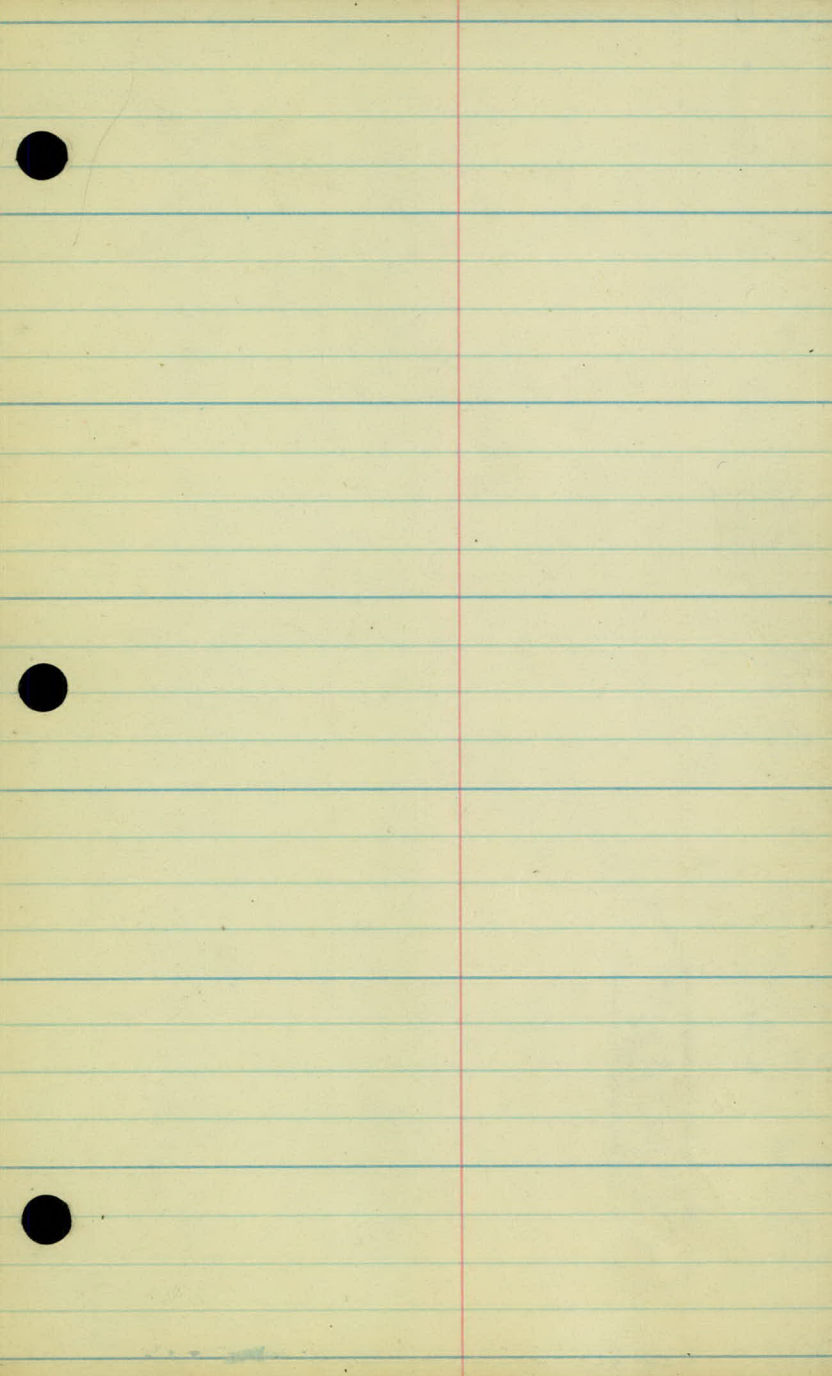
95

+50 R.R. 19'

+79.05 E Hodgson
Rd.

+87 Ctr old W. 1st. Ditch
(abandoned)





Sta	+	HI	-	Elev.
BM	1.45	⁸ 888.98 ✓		⁸ 887.53 ✓
T.P.	3.67	⁸ 880.02 ✓	12.63	⁸ 876.35 ✓
BM			7.81	⁸ 872.21 ✓
T.P.	3.09	⁸ 870.26 ✓	12.85	⁸ 867.17 ✓
BM			3.15	⁸ 867.11 ✓
T.P.	5.01	⁸ 868.30 ✓	6.97	⁸ 863.29 ✓
T.P.	7.04	⁸ 875.14 ✓	0.20	⁸ 868.10 ✓
BM			7.37	⁸ 867.77 ✓
T.P.	3.93	⁸ 866.65 ✓	12.42	⁸ 862.72 ✓
T.P.	6.48	⁸ 867.63 ✓	5.50	⁸ 861.15 ✓
T.P.	6.78	⁸ 872.38 ✓	2.03	⁸ 865.60 ✓
BM	1.12	⁸ 872.59 ✓	0.91	⁸ 871.47 ✓

Sat. A.M.

0+00 68.8

+10 68.4

+15 67.8

+22 Int. Shoulder line. 67.3

+30 65.4

+50 64.8

1 64.5

Spt in 18" Oak 1' Lt Sta. 49+75 (Berthoum Survey)
Lex. Ave.

Spt in 15" Oak Stump 96' Rt 44+00

Spt in 8" Oak 230' Rt 35+00

Nail in 20" Oak 8' Rt 24+80

Spt in 15" Stump 200 ft. So. of Mont. Sta. 19+59'-0"

Nail in F. Cor. on E 16+80

Top Stake 1+00

Spt. in 18" B.E. 69' N.E. of 0+00

(Cloudy + Snowing 1-6-34) 30° F.

$\frac{4.1}{60}$	$\frac{4.6}{43}$	$\frac{3.7}{27}$	3.8	$\frac{4.3}{30}$	$\frac{4.6}{30}$	$\frac{4.8}{60}$
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$\frac{4.7}{60}$	$\frac{5.1}{46}$	$\frac{3.8}{23}$	4.2	$\frac{4.8}{22}$	$\frac{5.0}{43}$	$\frac{5.3}{60}$
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$\frac{4.8}{60}$	$\frac{5.2}{46}$	$\frac{3.9}{23}$	4.8	$\frac{5.5}{25}$	$\frac{7.4}{44}$	$\frac{7.9}{60}$
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$\frac{5.5}{60}$	$\frac{5.5}{46}$	$\frac{4.1}{27}$	$\frac{5.1}{10}$	5.3	$\frac{7.0}{13}$	$\frac{7.5}{28}$	$\frac{8.0}{60}$
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$\frac{5.6}{60}$	$\frac{6.0}{50}$	$\frac{5.0}{45}$	$\frac{4.2}{33}$	$\frac{5.5}{9}$	$\frac{6.8}{5}$	7.2	$\frac{7.8}{34}$	$\frac{8.1}{60}$
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$\frac{5.1}{60}$	$\frac{5.1}{33}$	$\frac{8.5}{18}$	$\frac{7.8}{14}$	7.8	$\frac{8.2}{29}$	$\frac{8.5}{60}$
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$\frac{7.6}{60}$	$\frac{8.1}{30}$	8.1	$\frac{8.5}{30}$	$\frac{9.1}{60}$
------------------	------------------	-----	------------------	------------------

Sta + H/L -
972.59

1+50 63.5

2 63.3

+50 63.6

3 63.5

+50 63.5

4 62.1

T.P. 4.08 ⁸ 966.99 ✓ 9.68 ⁸ 962.91

+50 60.3

5 Ditch 59.5

+50 60.6

6 60.6

+50 60.4

7 60.8

+50 62.0

Left & Right

$$\frac{8.0}{60} \quad \frac{8.1}{30} \quad 9.1 \quad \frac{9.3}{30} \quad \frac{9.5}{60}$$

$$\frac{9.1}{60} \quad \frac{9.1}{30} \quad 9.3 \quad \frac{9.3}{30} \quad \frac{9.5}{60}$$

$$\frac{9.1}{60} \quad \frac{9.1}{30} \quad 9.0 \quad \frac{8.5}{30} \quad \frac{9.0}{60}$$

$$\frac{9.5}{60} \quad \frac{9.1}{30} \quad 9.1 \quad \frac{9.1}{30} \quad \frac{9.3}{60}$$

$$\frac{9.7}{60} \quad \frac{9.2}{30} \quad 9.1 \quad \frac{9.5}{30} \quad \frac{10.2}{60}$$

$$\frac{10.5}{60} \quad \frac{10.6}{35} \quad \frac{10.2}{13} \quad \frac{11.5}{10} \quad \frac{10.5}{9} \quad 10.5 \quad \frac{10.6}{30} \quad \frac{11.8}{60}$$

$$\frac{5.4}{60} \quad \frac{5.8}{35} \quad \frac{6.1}{14} \quad \frac{6.6}{10} \quad 6.7 \quad \frac{6.7}{30} \quad \frac{6.7}{60}$$

$$\frac{5.8}{60} \quad \frac{6.7}{42} \quad \frac{7.4}{30} \quad 7.5 \quad \frac{7.1}{30} \quad \frac{6.6}{60}$$

$$\times 100$$

$$\frac{6.5}{70} \quad \frac{6.5}{60} \quad \frac{7.6}{57} \quad \frac{7.6}{50} \quad \frac{7.4}{24} \quad 6.4 \quad \frac{6.6}{30} \quad \frac{6.6}{60}$$

$$\div 100$$

$$\frac{7.6}{60} \quad \frac{7.5}{55} \quad \frac{6.7}{48} \quad \frac{6.0}{30} \quad 6.4 \quad \frac{7.0}{30} \quad \frac{6.6}{60}$$

$$\frac{6.0}{60} \quad \frac{6.2}{30} \quad 6.6 \quad \frac{7.0}{30} \quad \frac{7.0}{60}$$

$$\times$$

$$\frac{7.6}{60} \quad \frac{7.5}{46} \quad \frac{6.3}{43} \quad \frac{6.8}{30} \quad 6.2 \quad \frac{6.7}{30} \quad \frac{6.4}{60}$$

$$\frac{6.6}{60} \quad \frac{7.5}{57} \quad \frac{7.6}{44} \quad \frac{7.5}{31} \quad \frac{5.7}{29} \quad 5.0 \quad \frac{5.2}{30} \quad \frac{5.7}{60}$$

⁸
~~966.99~~

8

62.3

+50

60.7

+74

61.3

+79

59.7

9

T.P.

5.48 ⁸~~966.65~~ ✓ 5.82 ⁸~~961.17~~ ⁸~~961.15~~

59.5

+40

59.4

10

59.9

+50

59.9

11

59.3

+50

60.4

12

61.2

+50

60.7

+50

13

61.1

LEFT ♀ RIGHT

$$\begin{array}{r} \times \\ \frac{50}{60} \frac{56.75}{49.47} \frac{7.6}{34} \frac{7.4}{20} \frac{5.7}{17} 47 \frac{4.8}{30} \frac{5.3}{60} \end{array}$$

$$\begin{array}{r} \times \\ \frac{5.1}{60} \frac{5.7}{33} \frac{7.3}{50} \frac{7.6}{31} \frac{7.6}{14} \frac{6.4}{11} 6.3 \frac{7.1}{30} \frac{6.8}{60} \end{array}$$

$$\begin{array}{r} \times \\ \frac{6.6}{60} \frac{7.0}{50} \frac{7.5}{44} \frac{7.6}{25} \frac{7.3}{2} 5.7 \frac{5.1}{10} \frac{5.5}{30} \frac{5.4}{60} \end{array}$$

$$\begin{array}{r} \frac{6.6}{60} \frac{7.0}{50} \frac{7.5}{44} \frac{7.6}{23} 7.3 \frac{5.1}{2} \frac{5.5}{30} \frac{5.4}{60} \end{array}$$

$$\begin{array}{r} \times \\ \frac{5.4}{60} \frac{5.4}{50} \frac{7.2}{39} \frac{7.6}{16} 7.5 \frac{7.0}{9} \frac{5.8}{12} \frac{4.7}{30} \frac{4.0}{60} \end{array}$$

$$\begin{array}{r} \frac{5.2}{60} \frac{6.5}{28} 7.3 \frac{7.4}{21} \frac{5.2}{22} \frac{5.1}{40} \frac{4.3}{60} \end{array}$$

$$\begin{array}{r} \times \\ \frac{4.5}{60} \frac{4.8}{34} \frac{5.8}{26} 6.8 \frac{7.2}{25} \frac{7.3}{46} \frac{6.7}{47} \frac{6.5}{60} \end{array}$$

$$\begin{array}{r} \frac{4.8}{60} \frac{5.8}{36} \frac{5.8}{20} \frac{6.8}{11} 6.8 \frac{7.3}{22} \frac{7.4}{41} \frac{6.4}{42} \frac{7.0}{60} \end{array}$$

$$\begin{array}{r} \frac{5.0}{60} \frac{6.4}{29} \frac{6.5}{13} \frac{7.3}{5} 7.4 \frac{7.0}{18} \frac{6.4}{20} \frac{6.0}{27} \frac{6.2}{60} \end{array}$$

$$\begin{array}{r} \frac{5.4}{60} \frac{6.8}{27} \frac{7.6}{34} \frac{7.6}{19} 6.3 \frac{6.0}{30} \frac{6.3}{60} \end{array}$$

$$\begin{array}{r} \frac{6.0}{70} \frac{7.6}{60} \frac{7.4}{35} \frac{6.0}{21} 5.5 \frac{6.2}{30} \frac{6.6}{60} \end{array}$$

$$\begin{array}{r} \frac{7.2}{60} \frac{6.6}{53} \frac{5.8}{47} \frac{5.8}{30} 6.0 \frac{6.5}{30} \frac{6.5}{46} \frac{5.0}{60} \end{array}$$

$$\begin{array}{r} \frac{5.4}{60} \frac{6.0}{30} 5.6 \frac{6.0}{30} \frac{5.0}{50} \frac{4.9}{60} \end{array}$$

		8 466.65 62.72 3.93				61.5
13 + 55						
+60						59.1
+75						59.1
+88						60.9
14						60.6
+50						60.4
		72.28 13.1 59.18				
15						61.2
+50						61.7
16						61.7
+50						61.7
+80						59.7
B.M.	9.56	W. Edge of Creek 8 472.28	3.90	8 462.75	8 462.72	
17						59.3
+15						60.8

LEFT & RIGHT

$$\frac{5.4}{60} \frac{5.3}{30} 5.2 \quad \frac{5.2}{30} \frac{5.2}{60}$$

$$\frac{7.6}{60} \frac{7.6}{30} 7.6 \quad \frac{7.8}{30} \frac{7.8}{60}$$

$$\frac{7.6}{60} \frac{7.6}{30} 7.6 \quad \frac{7.8}{30} \frac{7.8}{60}$$

$$\frac{7.3}{60} \frac{7.0}{30} 5.8 \quad \frac{6.1}{30} \frac{6.1}{60}$$

$$\frac{7.3}{60} \frac{7.0}{30} 6.1 \quad \frac{6.1}{30} \frac{6.1}{60}$$

$$\frac{5.5}{60} \frac{5.7}{30} 6.3 \quad \frac{6.1}{30} \frac{6.0}{60}$$

$$\frac{5.8}{60} \frac{5.5}{41} \frac{6.5}{37} \frac{6.5}{33} \frac{5.5}{31} 5.5 \quad \frac{5.5}{30} \frac{5.5}{60}$$

$$\frac{5.2}{60} \frac{5.0}{52} \frac{6.2}{49} \frac{6.2}{45} \frac{5.2}{43} 5.0 \quad \frac{5.0}{30} \frac{5.4}{60}$$

$$\frac{4.3}{66} \frac{5.8}{63} \frac{5.8}{59} \frac{4.3}{57} \frac{5.0}{30} 5.0 \quad \frac{5.2}{30} \frac{5.4}{60}$$

$$\frac{5.2}{60} \frac{5.2}{30} 5.0 \quad \frac{6.0}{30} \frac{6.3}{54} \overset{x}{\frac{7.6}{60}} \overset{x}{\frac{7.6}{65}}$$

$$\frac{5.2}{60} \frac{5.2}{22} 7.0 \quad \overset{x}{\frac{7.6}{6}} \overset{x}{\frac{7.6}{30}} \frac{7.0}{60}$$

Nail in Cor. F post & 16 + 20

$$\frac{10.8}{60} \frac{11.2}{50} \frac{13.0}{30} 13.0 \quad \frac{13.0}{6} \frac{12.6}{30} \frac{13.0}{60}$$

$$\frac{13.1}{60} \frac{13.2}{17} \frac{11.0}{12} \frac{11.2}{30} 11.5 \quad \frac{11.3}{30} \frac{12.8}{60}$$

77228

17 +50

61.9

18

61.6

+50

62.0

19

62.3

+55

62.7

+60

63.1

20

63.1

+50

62.3

B.M.

6.25⁸ 474.02⁸ 452⁸ 467.76⁸ 467.77⁸

21

62.4

+50

64.9

22

66.0

+50

68.5

23

70.3

LEFT & RIGHT

$$\begin{array}{r} 10.4 \\ 60 \end{array} \quad \begin{array}{r} 10.2 \\ 30 \end{array} \quad 10.4 \quad \begin{array}{r} 10.8 \\ 30 \end{array} \quad \begin{array}{r} 11.2 \\ 60 \end{array}$$

$$\begin{array}{r} 10.0 \\ 60 \end{array} \quad \begin{array}{r} 10.0 \\ 30 \end{array} \quad 10.7 \quad \begin{array}{r} 10.4 \\ 30 \end{array} \quad \begin{array}{r} 11.0 \\ 60 \end{array}$$

$$\begin{array}{r} 9.6 \\ 50 \end{array} \quad \begin{array}{r} 10.2 \\ 25 \end{array} \quad 10.3 \quad \begin{array}{r} 10.6 \\ 25 \end{array} \quad \begin{array}{r} 9.7 \\ 50 \end{array}$$

$$\begin{array}{r} 10.0 \\ 50 \end{array} \quad \begin{array}{r} 9.7 \\ 25 \end{array} \quad 10.0 \quad \begin{array}{r} 10.0 \\ 25 \end{array} \quad \begin{array}{r} 9.0 \\ 50 \end{array}$$

$$\begin{array}{r} 10.2 \\ 50 \end{array} \quad \begin{array}{r} 10.0 \\ 25 \end{array} \quad 9.6 \quad \begin{array}{r} 8.8 \\ 25 \end{array} \quad \begin{array}{r} 7.4 \\ 50 \end{array}$$

$$\begin{array}{r} 10.5 \\ 50 \end{array} \quad \begin{array}{r} 10.0 \\ 25 \end{array} \quad 9.2 \quad \begin{array}{r} 8.2 \\ 25 \end{array} \quad \begin{array}{r} 6.5 \\ 50 \end{array}$$

$$\begin{array}{r} 11.2 \\ 50 \end{array} \quad \begin{array}{r} 10.5 \\ 25 \end{array} \quad 9.2 \quad \begin{array}{r} 7.2 \\ 25 \end{array} \quad \begin{array}{r} 5.8 \\ 30 \end{array} \quad \begin{array}{r} 5.1 \\ 50 \end{array}$$

$$\begin{array}{r} 10.6 \\ 50 \end{array} \quad \begin{array}{r} 11.4 \\ 25 \end{array} \quad 10.0 \quad \begin{array}{r} 9.0 \\ 22 \end{array} \quad \begin{array}{r} 2.8 \\ 30 \end{array} \quad \begin{array}{r} 2.6 \\ 50 \end{array}$$

P.M. 2

spt in 15" Stump 200' So. of Mont 19+59

$$\begin{array}{r} 13.4 \\ 50 \end{array} \quad \begin{array}{r} 12.7 \\ 25 \end{array} \quad 11.6 \quad \begin{array}{r} 10.8 \\ 10 \end{array} \quad \begin{array}{r} 4.8 \\ 21 \end{array} \quad \begin{array}{r} 4.3 \\ 50 \end{array}$$

$$\begin{array}{r} 11.5 \\ 50 \end{array} \quad \begin{array}{r} 10.6 \\ 25 \end{array} \quad 9.1 \quad \begin{array}{r} 7.4 \\ 9 \end{array} \quad \begin{array}{r} 6.1 \\ 35 \end{array} \quad \begin{array}{r} 5.0 \\ 50 \end{array}$$

$$\begin{array}{r} 11.2 \\ 50 \end{array} \quad \begin{array}{r} 9.6 \\ 25 \end{array} \quad 8.0 \quad \begin{array}{r} 7.2 \\ 4 \end{array} \quad \begin{array}{r} 5.7 \\ 7 \end{array} \quad \begin{array}{r} 5.5 \\ 30 \end{array} \quad \begin{array}{r} 4.6 \\ 50 \end{array}$$

Hand level

$$\begin{array}{r} -4.0 \\ 50 \end{array} \quad \begin{array}{r} -2.5 \\ 25 \end{array} \quad 5.5 \quad \begin{array}{r} 4.5 \\ 4 \end{array} \quad \begin{array}{r} 4.0 \\ 7 \end{array} \quad \begin{array}{r} 4.0 \\ 30 \end{array} \quad \begin{array}{r} 3.8 \\ 50 \end{array}$$

$$\begin{array}{r} -4.5 \\ 50 \end{array} \quad \begin{array}{r} -2.0 \\ 25 \end{array} \quad 3.7 \quad \begin{array}{r} 1.6 \\ 5 \end{array} \quad \begin{array}{r} 2.5 \\ 13 \end{array} \quad \begin{array}{r} 2.6 \\ 50 \end{array}$$

+ H.I. - Elev.
8774.02

+50

72.2

24

72.4

T.F.

4.07 8772.19 5.90 8768.12

+50

69.2

25

65.0

+50

63.4

26

61.8

+50

61.7

27

61.9

+50

62.9

28

62.9

T.F.

8.50 8771.22 9.47 8762.72

+50

61.9

29

61.7

+50

61.8

Hand Level
+ Minus readings =
Below ± Elev.

LEFT ± RIGHT

$$\begin{array}{r} -3.4 \\ \hline 50 \end{array} \quad \begin{array}{r} -1.7 \\ \hline 25 \end{array} \quad 1.8 \quad \begin{array}{r} 1.6 \\ \hline 3 \end{array} \quad \begin{array}{r} 0.5 \\ \hline 5 \end{array} \quad \begin{array}{r} 1.4 \\ \hline 12 \end{array} \quad \begin{array}{r} 2.6 \\ \hline 50 \end{array}$$

$$\begin{array}{r} -2.7 \\ \hline 50 \end{array} \quad \begin{array}{r} -1.2 \\ \hline 25 \end{array} \quad 1.6 \quad \begin{array}{r} 1.0 \\ \hline 5 \end{array} \quad \begin{array}{r} 1.8 \\ \hline 12 \end{array} \quad \begin{array}{r} 3.8 \\ \hline 50 \end{array}$$

$$\begin{array}{r} -1.8 \\ \hline 50 \end{array} \quad \begin{array}{r} -0.4 \\ \hline 25 \end{array} \quad 3.0 \quad \begin{array}{r} 3.0 \\ \hline 4 \end{array} \quad \begin{array}{r} 1.8 \\ \hline 6 \end{array} \quad \begin{array}{r} 3.0 \\ \hline 10 \end{array} \quad \begin{array}{r} 4.6 \\ \hline 33 \end{array} \quad \begin{array}{r} 5.1 \\ \hline 50 \end{array}$$

$$\begin{array}{r} +0.9 \\ \hline 50 \end{array} \quad \begin{array}{r} +0.7 \\ \hline 25 \end{array} \quad 7.2 \quad \begin{array}{r} 7.1 \\ \hline 25 \end{array} \quad \begin{array}{r} 7.3 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 7.9 \\ \hline 50 \end{array} \quad \begin{array}{r} 8.2 \\ \hline 25 \end{array} \quad 8.8 \quad \begin{array}{r} 9.2 \\ \hline 25 \end{array} \quad \begin{array}{r} 9.8 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 9.5 \\ \hline 50 \end{array} \quad \begin{array}{r} 10.2 \\ \hline 25 \end{array} \quad 10.4 \quad \begin{array}{r} 10.6 \\ \hline 25 \end{array} \quad \begin{array}{r} 10.6 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 10.7 \\ \hline 50 \end{array} \quad \begin{array}{r} 10.7 \\ \hline 25 \end{array} \quad 10.5 \quad \begin{array}{r} 10.7 \\ \hline 25 \end{array} \quad \begin{array}{r} 10.7 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 10.8 \\ \hline 50 \end{array} \quad \begin{array}{r} 10.5 \\ \hline 25 \end{array} \quad 10.3 \quad \begin{array}{r} 10.1 \\ \hline 25 \end{array} \quad \begin{array}{r} 9.5 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 9.7 \\ \hline 50 \end{array} \quad \begin{array}{r} 9.5 \\ \hline 25 \end{array} \quad 9.3 \quad \begin{array}{r} 9.3 \\ \hline 25 \end{array} \quad \begin{array}{r} 9.0 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 9.8 \\ \hline 50 \end{array} \quad \begin{array}{r} 9.3 \\ \hline 25 \end{array} \quad 9.3 \quad \begin{array}{r} 9.3 \\ \hline 25 \end{array} \quad \begin{array}{r} 9.0 \\ \hline 50 \end{array}$$

Top Stake 29+00

$$\begin{array}{r} 9.1 \\ \hline 50 \end{array} \quad \begin{array}{r} 9.1 \\ \hline 25 \end{array} \quad 9.3 \quad \begin{array}{r} 8.6 \\ \hline 25 \end{array} \quad \begin{array}{r} 8.4 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 9.3 \\ \hline 50 \end{array} \quad \begin{array}{r} 9.4 \\ \hline 25 \end{array} \quad 9.5 \quad \begin{array}{r} 9.4 \\ \hline 25 \end{array} \quad \begin{array}{r} 9.1 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 9.3 \\ \hline 50 \end{array} \quad \begin{array}{r} 9.5 \\ \hline 25 \end{array} \quad 9.4 \quad \begin{array}{r} 9.1 \\ \hline 25 \end{array} \quad \begin{array}{r} 8.8 \\ \hline 50 \end{array}$$

+ H.I. — Elev

~~8~~ 71.22

30 62.2

+50 62.6

31 63.0

+50 64.1

32 64.6

+50 65.2

33 65.2

+50 66.2

BM 2.76 ~~8~~ 69.81 4.14 ~~8~~ 67.08 ~~8~~ 67.11

34 66.9

+50 68.9

T.P. 6.48 ~~8~~ 74.79 1.56 ~~8~~ 68.31

35 71.4

+50 71.0

36 65.8

T.P. 8.70 ~~8~~ 72.30 11.19 ~~8~~ 63.60

LEFT ♀ RIGHT

$$\begin{array}{r} 9.2 \\ 50 \end{array} \quad \begin{array}{r} 9.0 \\ 25 \end{array} \quad 9.0 \quad \begin{array}{r} 8.8 \\ 25 \end{array} \quad \begin{array}{r} 8.0 \\ 50 \end{array}$$

$$\begin{array}{r} 8.0 \\ 50 \end{array} \quad \begin{array}{r} 8.3 \\ 25 \end{array} \quad 8.6 \quad \begin{array}{r} 8.6 \\ 25 \end{array} \quad \begin{array}{r} 8.2 \\ 50 \end{array}$$

$$\begin{array}{r} 6.4 \\ 50 \end{array} \quad \begin{array}{r} 7.6 \\ 25 \end{array} \quad 8.2 \quad \begin{array}{r} 8.2 \\ 25 \end{array} \quad \begin{array}{r} 8.2 \\ 50 \end{array}$$

$$+ \begin{array}{r} 2.4 \\ 50 \end{array} \quad + \begin{array}{r} 1.4 \\ 25 \end{array} \quad 7.1 \quad \begin{array}{r} 8.1 \\ 14 \end{array} \quad \begin{array}{r} 8.2 \\ 50 \end{array}$$

$$+ \begin{array}{r} 2.6 \\ 50 \end{array} \quad + \begin{array}{r} 1.4 \\ 25 \end{array} \quad 6.6 \quad \begin{array}{r} 6.6 \\ 25 \end{array} \quad \begin{array}{r} 7.7 \\ 50 \end{array}$$

$$+ \begin{array}{r} 4.9 \\ 50 \end{array} \quad + \begin{array}{r} 1.2 \\ 25 \end{array} \quad 6.0 \quad \begin{array}{r} 5.5 \\ 25 \end{array} \quad \begin{array}{r} 6.8 \\ 50 \end{array}$$

$$+ \begin{array}{r} 5.3 \\ 50 \end{array} \quad + \begin{array}{r} 2.7 \\ 25 \end{array} \quad 6.0 \quad \begin{array}{r} 6.4 \\ 25 \end{array} \quad \begin{array}{r} 7.5 \\ 50 \end{array}$$

$$+ \begin{array}{r} 4.5 \\ 50 \end{array} \quad + \begin{array}{r} 2.6 \\ 25 \end{array} \quad 5.0 \quad \begin{array}{r} 7.3 \\ 26 \end{array} \quad \begin{array}{r} 7.6 \\ 50 \end{array}$$

spk 10 8" Oak 230 17 35 + 00

$$\text{Hand level: } + \begin{array}{r} 5.1 \\ 50 \end{array} \quad + \begin{array}{r} 3.2 \\ 25 \end{array} \quad 3.0 \quad \begin{array}{r} 5.0 \\ 25 \end{array} \quad \begin{array}{r} 6.0 \\ 50 \end{array}$$

Feeding from E Elev.

$$+ \begin{array}{r} 4.3 \\ 50 \end{array} \quad + \begin{array}{r} 2.2 \\ 25 \end{array} \quad 1.0 \quad \begin{array}{r} 3.7 \\ 25 \end{array} \quad \begin{array}{r} 5.2 \\ 50 \end{array}$$

$$+ \begin{array}{r} 3.6 \\ 50 \end{array} \quad + \begin{array}{r} 2.0 \\ 25 \end{array} \quad 3.4 \quad \begin{array}{r} 5.2 \\ 25 \end{array} \quad \begin{array}{r} 7.5 \\ 50 \end{array}$$

$$+ \begin{array}{r} 3.3 \\ 50 \end{array} \quad + \begin{array}{r} 2.1 \\ 25 \end{array} \quad 3.8 \quad \begin{array}{r} 5.0 \\ 25 \end{array} \quad \begin{array}{r} 6.4 \\ 50 \end{array}$$

$$+ \begin{array}{r} 0.5 \\ 50 \end{array} \quad + \begin{array}{r} 0.2 \\ 25 \end{array} \quad 9.0 \quad \begin{array}{r} 9.5 \\ 25 \end{array} \quad \begin{array}{r} 9.5 \\ 50 \end{array}$$

⁸
~~72.30~~

+50

63.5

37

62.3

+50

62.3

38

62.3

T.F. 12.02 ⁸~~76.92~~ 7.40 ⁸~~64.90~~

+50

62.7

39

63.9

+50

65.3

40

67.1

+32

67.9

41

65.2

+50

63.7

42

64.3

+40

65.6

Cloud mid 20°F

14. 4 17

$$\frac{8.5}{50} \quad \frac{8.5}{25} \quad 88 \quad \frac{9.1}{25} \quad \frac{9.1}{50}$$

$$\frac{9.8}{50} \quad \frac{9.8}{25} \quad 100 \quad \frac{10.0}{25} \quad \frac{9.4}{50}$$

$$\frac{9.8}{50} \quad \frac{9.8}{25} \quad 100 \quad \frac{100}{25} \quad \frac{100}{50}$$

$$\frac{10.0}{50} \quad \frac{9.9}{25} \quad 100 \quad \frac{10.0}{25} \quad \frac{10.0}{50}$$

$$\frac{14.2}{50} \quad \frac{14.0}{25} \quad 14.2 \quad \frac{14.0}{25} \quad \frac{13.8}{50}$$

$$\frac{13.3}{50} \quad \frac{13.1}{25} \quad 13.0 \quad \frac{12.6}{25} \quad \frac{12.2}{50}$$

$$\frac{12.4}{50} \quad \frac{11.8}{25} \quad 11.6 \quad \frac{11.0}{25} \quad \frac{9.0}{50}$$

$$\frac{12.0}{50} \quad \frac{11.4}{25} \quad 9.8 \quad \frac{11.3}{25} \quad \frac{5.7}{50}$$

$$\frac{11.7}{50} \quad \frac{11.0}{25} \quad 9.0 \quad \frac{6.6}{25} \quad \frac{5.4}{50}$$

$$\frac{12.3}{50} \quad \frac{12.3}{25} \quad 11.7 \quad \frac{11.4}{25} \quad \frac{10.6}{50}$$

$$\frac{13.0}{50} \quad \frac{13.2}{25} \quad 13.2 \quad \frac{12.8}{25} \quad \frac{12.6}{50}$$

$$\frac{12.5}{50} \quad \frac{12.7}{25} \quad 12.6 \quad \frac{12.5}{25} \quad \frac{12.0}{50}$$

$$\frac{12.0}{50} \quad \frac{11.5}{25} \quad 11.3 \quad \frac{11.3}{25} \quad \frac{10.5}{50}$$

~~8~~ 76.92

43

69.9

+50

73.9

B.M.

10.51 ~~8~~ 82.72 4.72 ~~8~~ 72.20 ~~8~~ 72.21

44

77.2

+55

81.4

45

78.9

+50

72.9

B.M.

10.51 ~~8~~ 72.21

46

LEFT ~~E~~ RIGHT

$$\frac{10.6}{50} \quad \frac{9.2}{25} \quad 7.0 \quad \frac{6.3}{25} \quad \frac{6.3}{50}$$

$$\frac{6.8}{50} \quad \frac{5.2}{25} \quad 3.0 \quad \frac{3.4}{25} \quad \frac{3.4}{50}$$

spt in 15" Stump 96' Rt 44 + 0.0

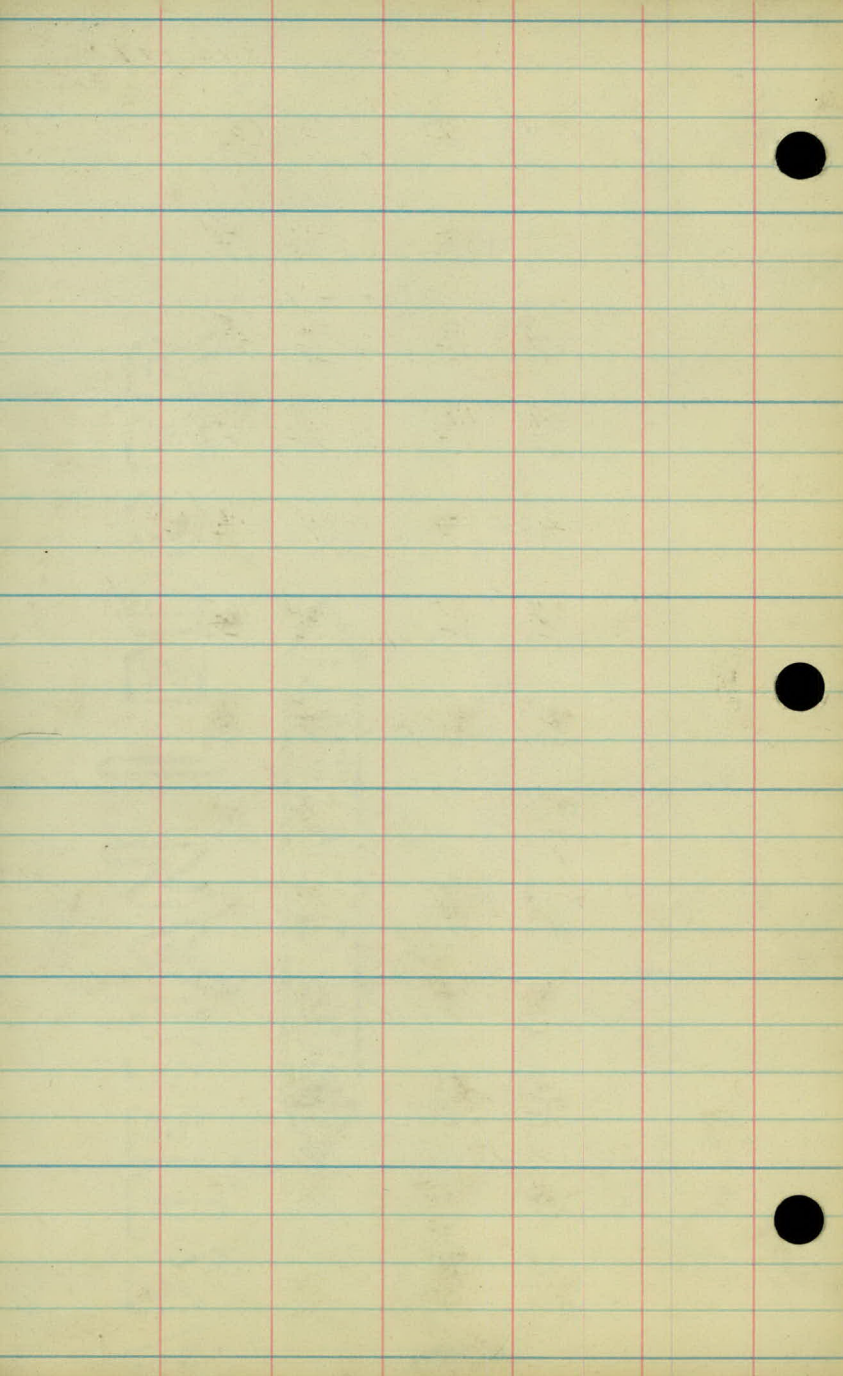
$$\frac{9.3}{50} \quad \frac{7.3}{25} \quad 5.5 \quad \frac{5.1}{25} \quad \frac{6.5}{50}$$

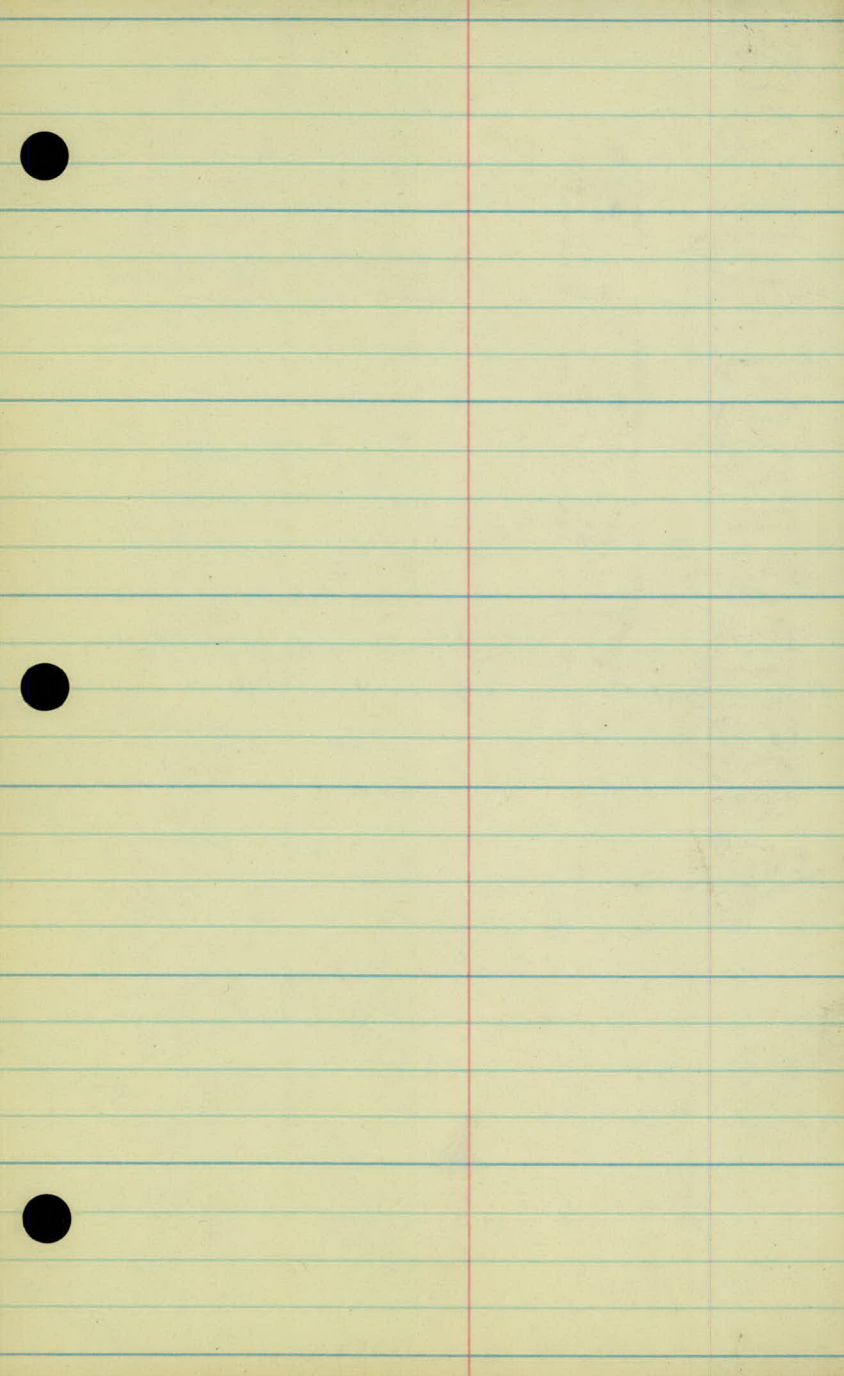
$$\frac{4.0}{50} \quad \frac{1.7}{25} \quad 1.3 \quad \frac{3.8}{25} \quad \frac{7.2}{50}$$

$$\frac{3.4}{50} \quad \frac{3.3}{25} \quad 3.8 \quad \frac{5.3}{6} \quad \frac{7.8}{25} \quad \frac{12.3}{50}$$

$$\frac{7.1}{50} \quad \frac{8.1}{25} \quad 9.8 \quad \frac{13.4}{25} \quad \frac{16.5}{50}$$

as above.





Sta. + Ht. - Elev.

B.M. 3.00 ⁸ 75.21 ⁸ 72.21

46+00 66.8

+50 65.8

47 65.5

+50 65.2

48 65.0

T.P. 7.88 ⁸ 73.99 9.10 ⁸ 66.11

+50 65.0

49 65.5

+50 65.9

50 66.3

+50 66.3

51 66.2

+33 67.2

LEFT & RIGHT

Spk in 15" Stump 96' Rt 44 + 00

$$\frac{5.5}{50} \quad \frac{6.0}{16} \quad \frac{7.3}{12} \quad 8.4 \quad \frac{9.4}{25} \quad \frac{9.4}{50}$$

$$\frac{9.3}{50} \quad \frac{9.3}{25} \quad 9.4 \quad \frac{9.4}{25} \quad \frac{9.7}{50}$$

$$\frac{9.7}{50} \quad \frac{9.7}{25} \quad 9.7 \quad \frac{9.9}{25} \quad \frac{10.0}{50}$$

$$\frac{10.5}{50} \quad \frac{10.1}{25} \quad 10.0 \quad \frac{10.1}{25} \quad \frac{10.1}{50}$$

$$\frac{10.3}{50} \quad \frac{10.3}{25} \quad 10.2 \quad \frac{10.2}{25} \quad \frac{10.3}{50}$$

$$\frac{-0.1}{50} \quad \frac{-0.1}{25} \quad 9.0 \quad \frac{-0.1}{25} \quad \frac{-0.1}{50}$$

$$\frac{-0.1}{50} \quad \frac{0.0}{25} \quad 8.5 \quad \frac{0.0}{25} \quad \frac{0.0}{50}$$

$$\frac{0.0}{50} \quad \frac{0.0}{25} \quad 8.1 \quad \frac{-0.2}{25} \quad \frac{-0.1}{50}$$

$$\frac{-0.1}{50} \quad \frac{-0.2}{25} \quad 7.7 \quad \frac{0.0}{25} \quad \frac{0.0}{50}$$

$$\frac{0.0}{50} \quad \frac{0.0}{25} \quad 7.7 \quad \frac{-0.1}{25} \quad \frac{0.0}{50}$$

$$\frac{+2.1}{50} \quad \frac{+0.5}{25} \quad 7.8 \quad \frac{0.0}{25} \quad \frac{+0.1}{50}$$

$$\frac{5.1}{50} \quad \frac{5.1}{25} \quad 6.8 \quad \frac{7.4}{25} \quad \frac{7.5}{50}$$

Hand level
{
+ 25 to Elev

⁸
~~973.99~~

+42

68.4

52

68.4

+50

67.0

53

66.0

+50

66.0

54

T.F. 12.37 ⁸~~980.57~~ ✓ 5.79 ⁸~~968.20~~ ✓

67.2

+35

67.3

55

74.3

+50

78.5

B.M.

7.37 ⁸~~986.52~~ ✓ 1.42 ⁸~~979.15~~ ✓

56

79.8

+50

79.3

57

79.5

+50

81.2

B.M.

4.16 ⁸~~982.36~~ ? ~~36~~

LEFT & RIGHT

$$\begin{array}{r} 5.1 \\ 50 \end{array} \quad \begin{array}{r} 5.1 \\ 25 \end{array} \quad 5.6 \quad \begin{array}{r} 6.7 \\ 13 \end{array} \quad \begin{array}{r} 7.3 \\ 32 \end{array} \quad \begin{array}{r} 7.5 \\ 50 \end{array}$$

$$\begin{array}{r} 7.2 \\ 50 \end{array} \quad \begin{array}{r} 6.7 \\ 25 \end{array} \quad 5.6 \quad \begin{array}{r} 4.8 \\ 25 \end{array} \quad \begin{array}{r} 4.6 \\ 50 \end{array}$$

$$\begin{array}{r} 7.6 \\ 50 \end{array} \quad \begin{array}{r} 7.3 \\ 25 \end{array} \quad 7.0 \quad \begin{array}{r} 6.6 \\ 25 \end{array} \quad \begin{array}{r} 5.6 \\ 50 \end{array}$$

$$\begin{array}{r} 9.2 \\ 50 \end{array} \quad \begin{array}{r} 8.8 \\ 25 \end{array} \quad 8.0 \quad \begin{array}{r} 7.3 \\ 25 \end{array} \quad \begin{array}{r} 6.6 \\ 50 \end{array}$$

$$\begin{array}{r} 9.3 \\ 50 \end{array} \quad \begin{array}{r} 8.5 \\ 25 \end{array} \quad 8.0 \quad \begin{array}{r} 7.5 \\ 25 \end{array} \quad \begin{array}{r} 7.0 \\ 50 \end{array}$$

Hand level
+ as to Elev.

$$\begin{array}{r} +0.2 \\ 50 \end{array} \quad \begin{array}{r} +0.1 \\ 25 \end{array} \quad 6.8 \quad \begin{array}{r} 6.8 \\ 25 \end{array} \quad \begin{array}{r} 6.8 \\ 50 \end{array}$$

Top Stake 54+00

$$\begin{array}{r} 13.7 \\ 50 \end{array} \quad \begin{array}{r} 13.5 \\ 25 \end{array} \quad 13.3 \quad \begin{array}{r} 12.4 \\ 25 \end{array} \quad \begin{array}{r} 12.4 \\ 50 \end{array}$$

$$\begin{array}{r} 7.5 \\ 50 \end{array} \quad \begin{array}{r} 7.4 \\ 18 \end{array} \quad 6.3 \quad \begin{array}{r} 6.7 \\ 16 \end{array} \quad \begin{array}{r} 6.5 \\ 36 \end{array} \quad \begin{array}{r} 6.3 \\ 50 \end{array}$$

$$\begin{array}{r} 3.1 \\ 50 \end{array} \quad \begin{array}{r} 2.6 \\ 22 \end{array} \quad 2.1 \quad \begin{array}{r} 1.8 \\ 9 \end{array} \quad \begin{array}{r} 2.6 \\ 18 \end{array} \quad \begin{array}{r} 1.8 \\ 50 \end{array}$$

spk in 20" Oak 120' Lt 55' + 84' P.O.T. P.M.

$$\begin{array}{r} 8.4 \\ 50 \end{array} \quad \begin{array}{r} 7.7 \\ 25 \end{array} \quad 6.7 \quad \begin{array}{r} 6.1 \\ 8 \end{array} \quad \begin{array}{r} 5.8 \\ 33 \end{array} \quad \begin{array}{r} 5.1 \\ 50 \end{array} \quad 1/8 \text{ 3/4}$$

$$\begin{array}{r} 9.0 \\ 50 \end{array} \quad \begin{array}{r} 8.7 \\ 25 \end{array} \quad 7.2 \quad \begin{array}{r} 6.4 \\ 25 \end{array} \quad \begin{array}{r} 5.4 \\ 50 \end{array}$$

$$\begin{array}{r} 8.0 \\ 50 \end{array} \quad \begin{array}{r} 8.0 \\ 25 \end{array} \quad 7.0 \quad \begin{array}{r} 6.3 \\ 11 \end{array} \quad \begin{array}{r} 5.4 \\ 39 \end{array} \quad \begin{array}{r} 5.0 \\ 50 \end{array}$$

$$\begin{array}{r} 6.3 \\ 50 \end{array} \quad \begin{array}{r} 6.3 \\ 25 \end{array} \quad 5.3 \quad \begin{array}{r} 5.0 \\ 25 \end{array} \quad \begin{array}{r} 4.6 \\ 50 \end{array}$$

(120' Rt Sta. 65+00 Berthum Lex. Ave Ext'n line

Sta + 14.1 - Elev

⁸~~886.52~~

58 82.0

+50 80.4

59 79.5

+50 80.1

60 81.8

+50 83.1

T.F. 6.15 ⁸~~891.04~~ 1.63 ⁸~~884.89~~

61 84.4

+50 86.9

62 89.0

BM 1.67 ⁸~~889.37~~

+50 88.9

63 88.4

+50 86.1

64 85.1

LEFT & RIGHT

$$\frac{4.7}{50} \quad \frac{4.8}{25} \quad 4.5 \quad \frac{4.7}{25} \quad \frac{4.7}{50}$$

$$\frac{7.1}{50} \quad \frac{6.6}{25} \quad 6.1 \quad \frac{5.7}{5} \quad \frac{5.7}{33} \quad \frac{5.3}{50}$$

$$\frac{7.2}{50} \quad \frac{7.2}{25} \quad 7.0 \quad \frac{6.5}{6} \quad \frac{6.3}{33} \quad \frac{5.3}{50}$$

$$\frac{6.4}{50} \quad \frac{6.6}{25} \quad 6.4 \quad \frac{5.6}{30} \quad \frac{4.4}{50}$$

$$\frac{5.5}{50} \quad \frac{5.4}{25} \quad 4.7 \quad \frac{4.1}{30} \quad \frac{3.2}{50}$$

$$\frac{4.0}{50} \quad \frac{4.0}{25} \quad 3.4 \quad \frac{2.8}{25} \quad \frac{1.8}{50}$$

$$\frac{7.1}{50} \quad \frac{7.2}{25} \quad 6.6 \quad \frac{6.2}{30} \quad \frac{5.3}{50}$$

$$\frac{5.6}{50} \quad \frac{5.4}{25} \quad \frac{4.1}{6} \quad 4.1 \quad \frac{4.1}{25} \quad \frac{3.5}{50} \quad 47.5$$

$$\frac{3.0}{50} \quad \frac{3.0}{17} \quad \frac{2.0}{5} \quad 2.0 \quad \frac{2.0}{7} \quad \frac{2.5}{20} \quad \frac{2.3}{50}$$

Top Spk. P.O.T. Sta. 62+24.40

$$\frac{2.7}{50} \quad \frac{2.9}{30} \quad \frac{1.9}{8} \quad 2.1 \quad \frac{2.1}{7} \quad \frac{3.1}{22} \quad \frac{3.3}{50}$$

$$\frac{3.6}{50} \quad \frac{3.5}{30} \quad \frac{2.0}{6} \quad 2.6 \quad \frac{4.2}{25} \quad \frac{4.8}{50}$$

$$\frac{5.2}{50} \quad \frac{5.2}{28} \quad \frac{4.0}{12} \quad 4.9 \quad \frac{5.5}{13} \quad \frac{6.3}{50}$$

$$\frac{7.0}{50} \quad \frac{7.8}{30} \quad \frac{6.1}{8} \quad 5.9 \quad \frac{6.7}{25} \quad \frac{7.2}{50}$$

~~8~~ 991.04

+50

84.8

65

82.8

+50

80.4

66

79.0

T.P. 395⁸ ~~8~~ 82.70 12.29⁸ ~~8~~ 78.75

+50

77.5

67

75.5

+50

73.0

+68

72.1

T.P. 4.29⁸ ~~8~~ 74.65 12.34⁸ ~~8~~ 70.36

68

70.9

+20

70.2

+50

69.1

69

68.3

+50

67.7

LEFT & RIGHT

$$\frac{9.7}{50} \quad \frac{8.4}{27} \quad \frac{5.6}{8} \quad 6.2 \quad \frac{7.2}{21} \quad \frac{7.2}{50}$$

$$\frac{10.0}{50} \quad \frac{8.8}{21} \quad \frac{7.3}{7} \quad \frac{8.2}{4} \quad 8.2 \quad \frac{9.1}{25} \quad \frac{9.7}{50}$$

$$\frac{10.7}{50} \quad \frac{11.0}{19} \quad \frac{9.6}{8} \quad \frac{10.6}{4} \quad 10.6 \quad \frac{11.2}{25} \quad \frac{12.0}{50}$$

$$\frac{10.2}{50} \quad \frac{10.6}{11} \quad \frac{12.0}{4} \quad 12.0 \quad \frac{12.4}{25} \quad \frac{13.2}{50}$$

$$\frac{1.9}{50} \quad \frac{1.5}{11} \quad \frac{5.2}{4} \quad 5.2 \quad \frac{4.7}{6} \quad \frac{4.7}{25} \quad \frac{5.2}{50}$$

$$\frac{2.7}{50} \quad \frac{3.2}{31} \quad \frac{3.7}{15} \quad \frac{7.4}{2} \quad 7.2 \quad \frac{7.0}{8} \quad \frac{7.3}{30} \quad \frac{7.8}{50}$$

$$\frac{5.5}{50} \quad \frac{6.5}{21} \quad \frac{6.1}{13} \quad \frac{9.1}{2} \quad 9.7 \quad \frac{10.7}{25} \quad \frac{11.4}{50}$$

$$\frac{6.4}{50} \quad \frac{7.4}{38} \quad \frac{8.1}{18} \quad \frac{7.7}{12} \quad \frac{10.6}{2} \quad 10.6 \quad \frac{10.6}{6} \quad \frac{10.0}{12} \quad \frac{11.1}{28} \quad \frac{12.2}{50}$$

$$\frac{0.4}{50} \quad \frac{1.8}{24} \quad \frac{2.2}{9} \quad \frac{3.9}{3} \quad 3.8 \quad \frac{3.7}{6} \quad \frac{5.6}{20} \quad \frac{7.3}{38} \quad \frac{7.6}{50}$$

$$\frac{1.4}{50} \quad \frac{3.3}{17} \quad \frac{4.8}{5} \quad 4.5 \quad \frac{4.5}{6} \quad \frac{7.6}{25} \quad \frac{7.5}{50}$$

$$\frac{2.6}{50} \quad \frac{3.6}{37} \quad \frac{6.2}{14} \quad \frac{6.6}{7} \quad \frac{5.8}{2} \quad 5.6 \quad \frac{6.0}{6} \quad \frac{8.0}{18} \quad \frac{7.8}{50}$$

$$\frac{7.3}{50} \quad \frac{7.6}{25} \quad \frac{7.7}{10} \quad \frac{6.8}{3} \quad 6.4 \quad \frac{6.7}{5} \quad \frac{7.2}{8} \quad \frac{7.7}{16} \quad \frac{8.4}{17} \quad \frac{7.5}{18} \quad \frac{8.0}{50}$$

$$\frac{7.7}{50} \quad \frac{7.7}{2} \quad 7.0 \quad \frac{6.8}{6} \quad \frac{7.8}{9} \quad \frac{7.8}{16} \quad \frac{8.5}{17} \quad \frac{7.6}{18} \quad \frac{8.0}{50}$$

Sta + 41 - Elev

~~874.5~~

70 66.9

66.15

+50 67.3

71 67.4

+50 67.3

B.M. 5.09 ⁸ ~~71.87~~ 7.87 ⁸ ~~66.78~~

72 66.9

+50 67.1

+60 67.0

+80 Top W. Slope Ditch 67.0

+85 ^{66.7}
^{8.5 W.S. in Ditch}
⁸ ~~66.15~~

+95 66.7

73 66.7

13.M. 5.09 ⁸ ~~66.78~~

LEFT & RIGHT

$\frac{8.3}{50}$ $\frac{8.7}{26}$ $\frac{8.7}{10}$ $\frac{7.7}{3}$ 1.8 $\frac{7.8}{5}$ $\frac{8.4}{9}$ $\frac{8.4}{17}$ $\frac{9.2}{18}$ $\frac{8.4}{20}$ $\frac{8.5}{50}$

$\frac{8.3}{50}$ $\frac{8.0}{25}$ 7.4 $\frac{7.7}{16}$ $\frac{8.7}{18}$ $\frac{7.7}{19}$ $\frac{7.7}{50}$

$\frac{7.9}{50}$ $\frac{7.6}{25}$ 7.3 $\frac{7.1}{5}$ $\frac{7.8}{7}$ $\frac{7.6}{17}$ $\frac{8.7}{19}$ $\frac{7.7}{20}$ $\frac{7.2}{50}$

$\frac{8.0}{50}$ $\frac{8.1}{25}$ $\frac{7.8}{7}$ $\frac{7.5}{4}$ 7.4 $\frac{7.5}{4}$ $\frac{7.8}{8}$ $\frac{7.9}{16}$ $\frac{8.9}{18}$ $\frac{7.9}{20}$ $\frac{7.5}{50}$

Ctr. of Mont 72 + 38.2

$\frac{5.4}{50}$ $\frac{5.4}{25}$ $\frac{5.7}{7}$ $\frac{5.1}{4}$ 5.0 $\frac{5.4}{18}$ $\frac{7.2}{20}$ $\frac{7.0}{25}$ $\frac{5.2}{29}$ $\frac{5.3}{50}$

$\frac{5.5}{50}$ $\frac{5.4}{25}$ 4.8 $\frac{5.1}{15}$ $\frac{7.2}{18}$ $\frac{7.2}{23}$ $\frac{5.2}{26}$ $\frac{5.2}{50}$

$\frac{5.3}{50}$ $\frac{5.3}{30}$ 4.9 $\frac{5.3}{15}$ $\frac{7.0}{20}$ $\frac{7.4}{50}$

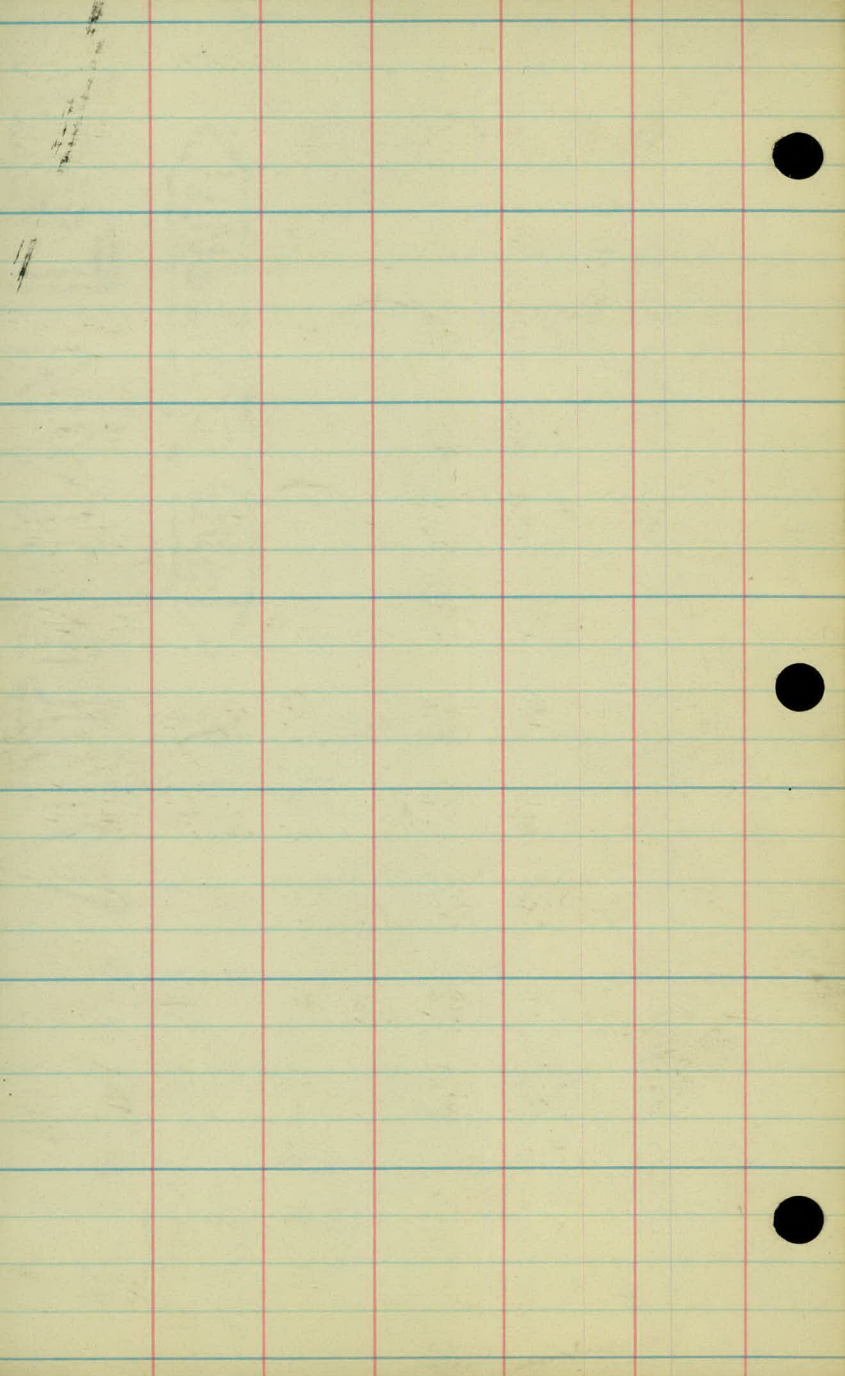
$\frac{5.5}{50}$ $\frac{5.2}{25}$ 4.9 $\frac{5.7}{15}$ $\frac{8.3}{20}$ $\frac{8.3}{30}$ $\frac{5.2}{33}$ $\frac{5.2}{50}$

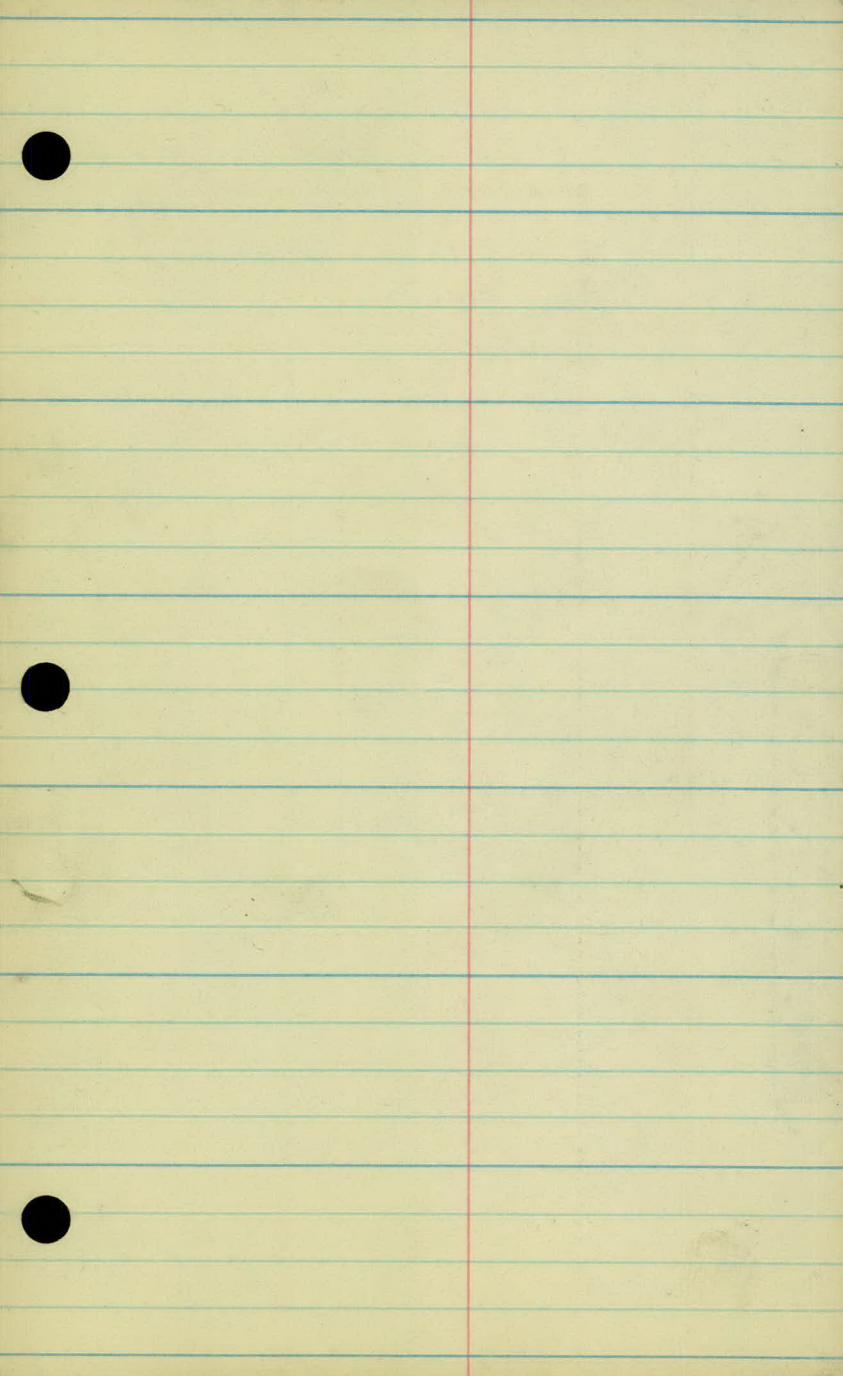
~~Bottom~~
~~Ditch~~ $\frac{9.6}{50}$ $\frac{10.6}{25}$ 5.2 $\frac{9.6}{25}$ $\frac{10.0}{50}$

$\frac{9.6}{50}$ $\frac{10.6}{25}$ 5.2 $\frac{9.6}{25}$ $\frac{10.0}{50}$

$\frac{5.2}{50}$ $\frac{5.6}{30}$ 5.2 $\frac{5.3}{8}$ $\frac{5.3}{28}$ $\frac{5.8}{50}$

Top Mont.





<u>73+00</u>	+	H1	-	8 Elev
B.M	10.11	⁸ 76.89		⁸ 76.78
73+50				67.2

74				68.3
+50				69.8

75				71.5
+40				72.2

76				71.4
+50				72.0
+76				73.1

77				74.1
T.P	11.33	⁸ 77.27	0.95	⁸ 75.94
+50				76.4

78				78.1
+50				79.2

79				78.7
----	--	--	--	------

Sat. Aug. Clear windy Cold.

LEFT & RIGHT

Top Ctr. Mont 72 + 38°

$\frac{10.0}{50}$ $\frac{10.0}{25}$ 9.7 $\frac{10.4}{25}$ $\frac{10.2}{50}$

$\frac{9.7}{50}$ $\frac{9.2}{30}$ $\frac{8.1}{9}$ $\frac{8.7}{7}$ 8.6 $\frac{8.6}{25}$ $\frac{9.0}{50}$

$\frac{9.4}{50}$ $\frac{9.1}{30}$ $\frac{7.2}{7}$ 7.1 $\frac{6.6}{4}$ $\frac{7.2}{8}$ $\frac{6.5}{28}$ $\frac{7.2}{50}$

$\frac{7.0}{50}$ $\frac{6.6}{27}$ $\frac{4.8}{10}$ $\frac{5.5}{6}$ 5.4 $\frac{4.4}{5}$ $\frac{5.0}{9}$ $\frac{5.2}{25}$ $\frac{5.7}{50}$

$\frac{6.6}{50}$ $\frac{6.5}{40}$ $\frac{4.4}{12}$ $\frac{3.8}{8}$ $\frac{4.7}{5}$ 4.7 $\frac{4.1}{4}$ $\frac{4.7}{7}$ $\frac{5.0}{25}$ $\frac{5.0}{50}$

$\frac{6.5}{50}$ $\frac{6.7}{30}$ $\frac{6.4}{9}$ $\frac{5.5}{7}$ 5.5 $\frac{5.7}{25}$ $\frac{5.1}{50}$

$\frac{5.7}{50}$ $\frac{6.3}{25}$ $\frac{6.3}{11}$ $\frac{4.9}{8}$ 4.9 $\frac{5.8}{7}$ $\frac{5.3}{25}$ $\frac{5.0}{50}$

$\frac{4.4}{50}$ $\frac{4.4}{20}$ $\frac{3.7}{10}$ 3.8 $\frac{3.6}{3}$ $\frac{3.7}{25}$ $\frac{3.7}{50}$

$\frac{1.4}{50}$ $\frac{1.7}{24}$ $\frac{1.2}{16}$ $\frac{2.0}{10}$ $\frac{2.8}{9}$ 2.8 $\frac{2.0}{10}$ $\frac{2.3}{8}$ $\frac{2.2}{25}$ $\frac{2.4}{50}$

$\frac{9.9}{50}$ $\frac{9.9}{27}$ $\frac{9.7}{9}$ $\frac{10.9}{6}$ 10.9 $\frac{10.2}{5}$ $\frac{10.4}{25}$ $\frac{10.6}{50}$

$\frac{8.1}{50}$ $\frac{8.1}{33}$ $\frac{7.5}{12}$ $\frac{9.1}{6}$ 9.2 $\frac{8.5}{3}$ $\frac{9.2}{7}$ $\frac{9.5}{25}$ $\frac{10.1}{50}$

$\frac{8.4}{50}$ $\frac{8.4}{28}$ $\frac{7.7}{11}$ $\frac{8.4}{8}$ $\frac{8.4}{3}$ 8.1 $\frac{8.1}{3}$ $\frac{9.1}{7}$ $\frac{9.7}{30}$ $\frac{10.3}{50}$

$\frac{10.8}{50}$ $\frac{9.1}{27}$ $\frac{7.8}{11}$ $\frac{8.7}{8}$ 8.6 $\frac{9.8}{9}$ $\frac{10.4}{30}$ $\frac{10.8}{50}$

Station	+	H/L	-	Elev.
		887.27		
+50				78.7

80				79.8
----	--	--	--	------

+50				80.7
-----	--	--	--	------

81				82.0
----	--	--	--	------

+50				82.7
-----	--	--	--	------

82				83.5
----	--	--	--	------

+50				84.3
-----	--	--	--	------

83				84.3
----	--	--	--	------

B.M.	2.63	887.20	2.70	884.57
------	------	--------	------	--------

T.P.	7.19	889.10	5.29	881.91
------	------	--------	------	--------

B.M.			4.62	884.48
------	--	--	------	--------

B.M.	0.51	885.08		884.57
------	------	--------	--	--------

+50				83.6
-----	--	--	--	------

84				82.9
----	--	--	--	------

+50				82.1
-----	--	--	--	------

85				81.9
----	--	--	--	------

LEFT ± RIGHT

$\frac{10.0}{50}$ $\frac{9.8}{30}$ $\frac{9.1}{17}$ $\frac{8.4}{11}$ $\frac{8.6}{8}$ 86 $\frac{9.6}{8}$ $\frac{9.9}{30}$ $\frac{10.4}{50}$

$\frac{10.5}{50}$ $\frac{9.7}{34}$ $\frac{8.8}{28}$ $\frac{8.1}{11}$ $\frac{8.4}{9}$ $\frac{8.3}{4}$ 75 $\frac{8.8}{8}$ $\frac{9.5}{30}$ $\frac{9.8}{50}$

$\frac{8.8}{50}$ $\frac{7.7}{31}$ $\frac{7.0}{26}$ $\frac{6.4}{11}$ $\frac{7.0}{9}$ $\frac{7.0}{4}$ 66 $\frac{7.8}{5}$ $\frac{8.8}{30}$ $\frac{9.3}{50}$

$\frac{7.0}{50}$ $\frac{6.2}{30}$ $\frac{4.7}{13}$ $\frac{5.1}{10}$ $\frac{5.1}{5}$ $\frac{5.1}{4}$ 53 $\frac{6.6}{8}$ $\frac{7.6}{27}$ $\frac{8.0}{50}$

$\frac{5.4}{50}$ $\frac{4.0}{20}$ $\frac{3.4}{14}$ $\frac{4.4}{10}$ 46 $\frac{5.8}{6}$ $\frac{6.2}{30}$ $\frac{6.4}{50}$

$\frac{5.0}{50}$ $\frac{4.0}{24}$ $\frac{3.0}{16}$ $\frac{3.5}{11}$ $\frac{4.0}{9}$ 38 $\frac{4.9}{6}$ $\frac{5.3}{30}$ $\frac{5.7}{50}$

$\frac{4.6}{50}$ $\frac{3.4}{22}$ $\frac{2.4}{16}$ $\frac{2.6}{12}$ $\frac{3.2}{10}$ 3.0 $\frac{3.0}{20}$ $\frac{3.7}{50}$

$\frac{4.3}{50}$ $\frac{4.5}{35}$ $\frac{3.3}{19}$ 3.0 $\frac{3.0}{14}$ $\frac{2.6}{25}$ $\frac{3.8}{50}$

Spk in 20" Pop. Rt Sts 84+75.

Spk in T.P. S.E. cor. N.C. line & Hodgson Rd.

$\frac{2.8}{50}$ $\frac{1.8}{28}$ 1.5 $\frac{0.6}{25}$ $\frac{0.7}{50}$

$\frac{4.0}{50}$ $\frac{2.2}{20}$ 2.2 $\frac{1.4}{19}$ $\frac{1.2}{50}$

$\frac{5.4}{50}$ $\frac{2.9}{18}$ 3.0 $\frac{2.7}{7}$ $\frac{1.2}{27}$ $\frac{0.9}{50}$

$\frac{6.0}{50}$ $\frac{3.4}{14}$ 3.2 $\frac{2.5}{13}$ $\frac{1.6}{30}$ $\frac{1.0}{50}$

+ H.I. - Elev
885.8

+50 81.5

~~86~~
~~85~~ 80.6

+50 79.1

~~87~~
~~86~~ 78.6

+50 79.2

~~88~~
~~87~~ 79.8

+50 80.8

~~89~~
~~88~~ 81.9

+50 82.3

90 T.P. 379 886.71 2.76 882.32
~~89~~ 82.2

+50 81.8

91 81.2

+50 81.4

LT # RT

$$\frac{6.4}{56} \frac{5.1}{32} \frac{3.1}{15} \frac{3.6}{13} 36 \frac{3.1}{4} \frac{3.4}{12} \frac{2.3}{26} \frac{2.4}{50}$$

$$\frac{6.8}{50} \frac{6.0}{33} \frac{4.1}{19} \frac{4.7}{14} 4.5 \frac{3.8}{4} \frac{4.5}{12} \frac{5.1}{50}$$

$$\frac{8.4}{50} \frac{8.0}{30} \frac{7.3}{15} \frac{6.0}{6} 6.0 \frac{6.2}{5} \frac{7.3}{11} \frac{8.0}{34} \frac{8.4}{50}$$

$$\frac{7.2}{50} \frac{7.5}{17} \frac{8.0}{15} \frac{6.5}{6} 6.5 \frac{6.5}{4} \frac{7.5}{11} \frac{8.2}{33} \frac{8.4}{50}$$

$$\frac{5.6}{50} \frac{5.8}{18} \frac{6.6}{14} \frac{6.1}{11} 5.9 \frac{5.9}{5} \frac{6.8}{12} \frac{7.5}{37} \frac{7.5}{50}$$

$$\frac{4.9}{50} \frac{4.6}{18} \frac{5.3}{15} 5.3 \frac{5.5}{7} \frac{6.1}{12} \frac{7.1}{35} \frac{7.2}{50}$$

$$\frac{4.6}{50} \frac{3.8}{35} \frac{3.6}{19} \frac{4.3}{15} 4.3 \frac{4.5}{7} \frac{5.5}{17} \frac{6.7}{50}$$

$$\frac{3.5}{50} \frac{3.0}{35} \frac{2.8}{19} \frac{3.3}{14} 3.2 \frac{3.7}{8} \frac{4.3}{12} \frac{4.9}{30} \frac{5.2}{50}$$

$$\frac{3.1}{50} \frac{2.4}{18} \frac{3.2}{14} \frac{2.8}{7} 2.8 \frac{3.8}{10} \frac{4.5}{30} \frac{4.7}{50}$$

$$\frac{3.3}{50} \frac{3.0}{22} \frac{4.1}{14} \frac{3.7}{11} 3.9 \frac{5.0}{9} \frac{5.6}{33} \frac{5.7}{50}$$

$$\frac{3.2}{50} \frac{3.8}{26} \frac{5.0}{17} \frac{4.2}{11} 4.3 \frac{5.3}{10} \frac{5.5}{33} \frac{5.8}{50}$$

$$\frac{4.2}{50} \frac{4.2}{40} \frac{5.2}{33} \frac{5.6}{20} \frac{6.5}{16} \frac{4.7}{7} 4.9 \frac{6.2}{10} \frac{6.3}{30} \frac{6.0}{50}$$

$$\frac{4.3}{50} \frac{5.1}{22} \frac{6.1}{16} \frac{4.6}{7} 4.7 \frac{4.7}{7} \frac{5.5}{10} \frac{5.6}{29} \frac{5.3}{50}$$

886.11

92 82.3

+50 81.8

93 81.1

+50 80.9

94 80.8

+50 81.0

95 81.2

+50 81.0

+70 81.0

+86 81.0

96 81.2

+50 82.1

97 82.8

T.P. 7.13 890.36 2.88 883.23

14 2 R+

$$\frac{4.0}{50} \frac{4.1}{30} \frac{3.5}{22} \frac{4.1}{17} \frac{3.6}{13} 3.8 \frac{3.8}{6} \frac{4.6}{11} \frac{5.1}{30} \frac{5.2}{50}$$

$$\frac{3.9}{50} \frac{3.5}{21} \frac{4.1}{17} \frac{3.9}{6} 4.3 \frac{4.4}{7} \frac{5.0}{14} \frac{5.4}{32} \frac{5.7}{50}$$

$$\frac{4.5}{50} \frac{4.9}{33} \frac{4.5}{25} \frac{5.5}{18} \frac{4.7}{13} 5.0 \frac{5.8}{9} \frac{6.4}{22} \frac{6.9}{50}$$

$$\frac{5.0}{50} \frac{5.3}{27} \frac{5.7}{19} \frac{5.2}{14} 5.2 \frac{5.2}{3} \frac{6.5}{12} \frac{6.8}{32} \frac{7.0}{50}$$

$$\frac{4.9}{50} \frac{5.3}{29} \frac{5.7}{18} \frac{5.3}{13} 5.3 \frac{5.4}{4} \frac{6.6}{14} \frac{7.0}{32} \frac{7.3}{50}$$

$$\frac{4.9}{50} \frac{4.9}{32} \frac{5.8}{19} \frac{4.4}{7} 5.1 \frac{5.1}{4} \frac{6.5}{14} \frac{6.8}{30} \frac{7.3}{50}$$

$$\frac{4.0}{50} \frac{4.5}{27} \frac{5.6}{18} \frac{5.0}{13} 4.9 \frac{4.9}{6} \frac{6.2}{14} \frac{6.6}{32} \frac{6.8}{50}$$

$$\frac{5.0}{50} \frac{4.4}{44} \frac{4.6}{32} \frac{5.5}{20} \frac{5.0}{4} 5.1 \frac{5.0}{7} \frac{6.2}{12} \frac{6.4}{36} \frac{7.1}{50}$$

$$\frac{3.6}{70} \frac{3.6}{63} \frac{8.7}{40} \frac{8.5}{22} \frac{5.1}{11} 5.1 \frac{5.1}{7} \frac{5.5}{11} \frac{5.8}{29} \frac{6.8}{50}$$

$$\frac{4.0}{50} \frac{4.4}{33} \frac{6.2}{17} \frac{5.1}{4} 5.1 \frac{5.0}{7} \frac{5.5}{30} \frac{6.0}{50}$$

$$\frac{4.3}{50} \frac{4.0}{38} \frac{5.1}{27} \frac{5.4}{11} \frac{4.7}{5} 4.9 \frac{4.8}{7} \frac{6.1}{19} \frac{8.6}{27} \frac{8.6}{34} \frac{6.1}{37} \frac{5.6}{50}$$

$$\frac{3.0}{50} \frac{2.7}{30} \frac{4.0}{11} 4.0 \frac{4.0}{40} \frac{4.2}{90} \frac{3.5}{15} \frac{5.1}{35} \frac{5.4}{50}$$

$$\frac{0.8}{50} \frac{1.8}{22} \frac{3.2}{13} 3.3 \frac{3.0}{6} \frac{2.3}{15} \frac{3.0}{40} \frac{3.5}{50}$$

890.36

+50

83.7

98

84.3

+47

84.6
Top Back Slope Hodgson Rd

+52

84.7
Toe " "

+58

84.9

88+48

+65

Top Sh. 85.2

+799.5 ± Hodgson Rd 85.3

B.M. 4.24 888.72 5.90 884.46 884.48

T.P. 4.27 888.31 4.68 884.04

" " 1.80 886.26 9.85 878.46

" " 5.65 880.98 4.93 875.33

" " 10.01 886.88 4.11 876.87

" " 7.57 894.03 0.42 886.46

B.M. 1.77 892.26 892.35

fly levels

Lt E Rt

$\frac{4.1}{50}$ $\frac{4.4}{28}$ $\frac{6.4}{13}$ 6.7 $\frac{6.8}{2}$ $\frac{5.5}{15}$ $\frac{6.4}{25}$ $\frac{7.0}{50}$

$\frac{3.5}{50}$ $\frac{3.2}{36}$ $\frac{5.8}{13}$ 6.1 $\frac{6.1}{5}$ $\frac{5.2}{16}$ $\frac{5.8}{50}$

$\frac{3.8}{50}$ $\frac{3.7}{39}$ $\frac{5.5}{20}$ 5.8 $\frac{5.6}{13}$ $\frac{4.9}{18}$ $\frac{4.9}{42}$ $\frac{5.8}{50}$

$\frac{7.1}{50}$ $\frac{6.8}{16}$ $\frac{5.7}{10}$ 5.7 $\frac{5.7}{13}$ $\frac{7.0}{18}$ $\frac{7.5}{50}$

$\frac{7.1}{50}$ $\frac{6.8}{17}$ $\frac{5.7}{11}$ 5.5 $\frac{5.7}{13}$ $\frac{7.0}{16}$ $\frac{7.5}{50}$

$\frac{5.9}{50}$ $\frac{5.6}{18}$ 5.2 $\frac{5.7}{28}$ $\frac{6.0}{50}$

$\frac{5.4}{50}$ $\frac{5.2}{25}$ 5.1 $\frac{5.3}{25}$ $\frac{5.5}{50}$

Spk. in T.P. S.E. cor. int. Hodgson + N. Coline.

Cor. School ho. Steps.

