

Book- 31- Dr. 6

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PRELIMINARY Survey

LEXINGTON AVE. EXT.

From Co. Rd. "I" To S.T.H. #8

Road Acc't. No. 3

Date Filed 1933

File _____

Alignment

34-03

All elevations 100' too high

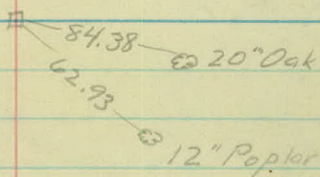
A-Lt. A-Rt.

26+35.80 P.I. 0°02'

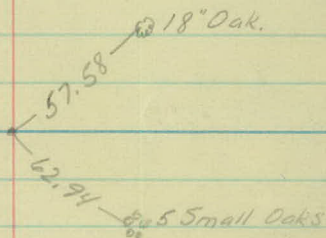
8+89.85 P.O.T.

0+00 E Co. Rd. "I"

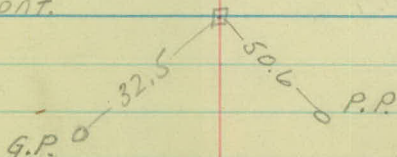
Mont.



Spk.



Mont.



$\Delta L + \Delta R.$

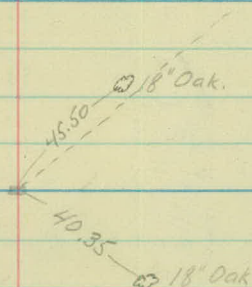
$49.27^{\circ} \text{ P.I.}$

$43^{\circ} 58'$

$43.69^{\circ} \text{ P.O.T.}$

$27 + 31.65 \text{ P.O.T.}$

Hub



Hub

Hub

59.13³⁵ POT

53.28⁷⁰ POT.

50.45² POT

Hub

Hub

Hub

$\Delta Lt. \Delta Rt.$

$83+37 \overset{80}{=} POT$

$80+59 \overset{2}{=} PI \quad 73^{\circ}50'$

$75+74 \overset{35}{=} P.O.T.$

$46+48 \overset{35}{=} POT$

Hub

Hub

12°00k @ 12.58

48.50

6°00k

Hub

Hub

97-00 POT

96-00 POT

93-58⁶⁰ POT.

88-14³⁰ POT

Hub

Hub

Hub

Hub

$\Delta LT \Delta RT$

130.04⁵⁰ POT

116.91²⁰ POT

99.25⁶⁰ P.I.

30°59'30"

$$\begin{array}{r} 168 + 27.8 \\ 9 + 39.4 \\ \hline \end{array}$$

$$\begin{array}{r} 174 + 67.2 \\ 26 + 18.84 \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{4} \text{Cor} = 148 + 48.36 \\ 26 + 18.84 \\ \hline \end{array}$$

$$\begin{array}{r} 2618.84 \\ 4 \overline{) 10475.42} \end{array}$$

$$\begin{array}{r} \text{Sec. Cor} = 122 + 29.52 \\ 26 + 18.84 \\ \hline \end{array}$$

$$\frac{1}{4} \text{Cor} = 96 + 10.68$$

.00266

Hub

Hub

Hub

144+00.6 P.O.T.

141+45.2 P.O.T.

136+00.50 P.O.T.

Hub

Hub

Hub

165+27.8 $\angle$ S.T.H. #43

155+11.0 P.O.T.

151+11.5 P.O.T.

Cor. F.P.

58°24'

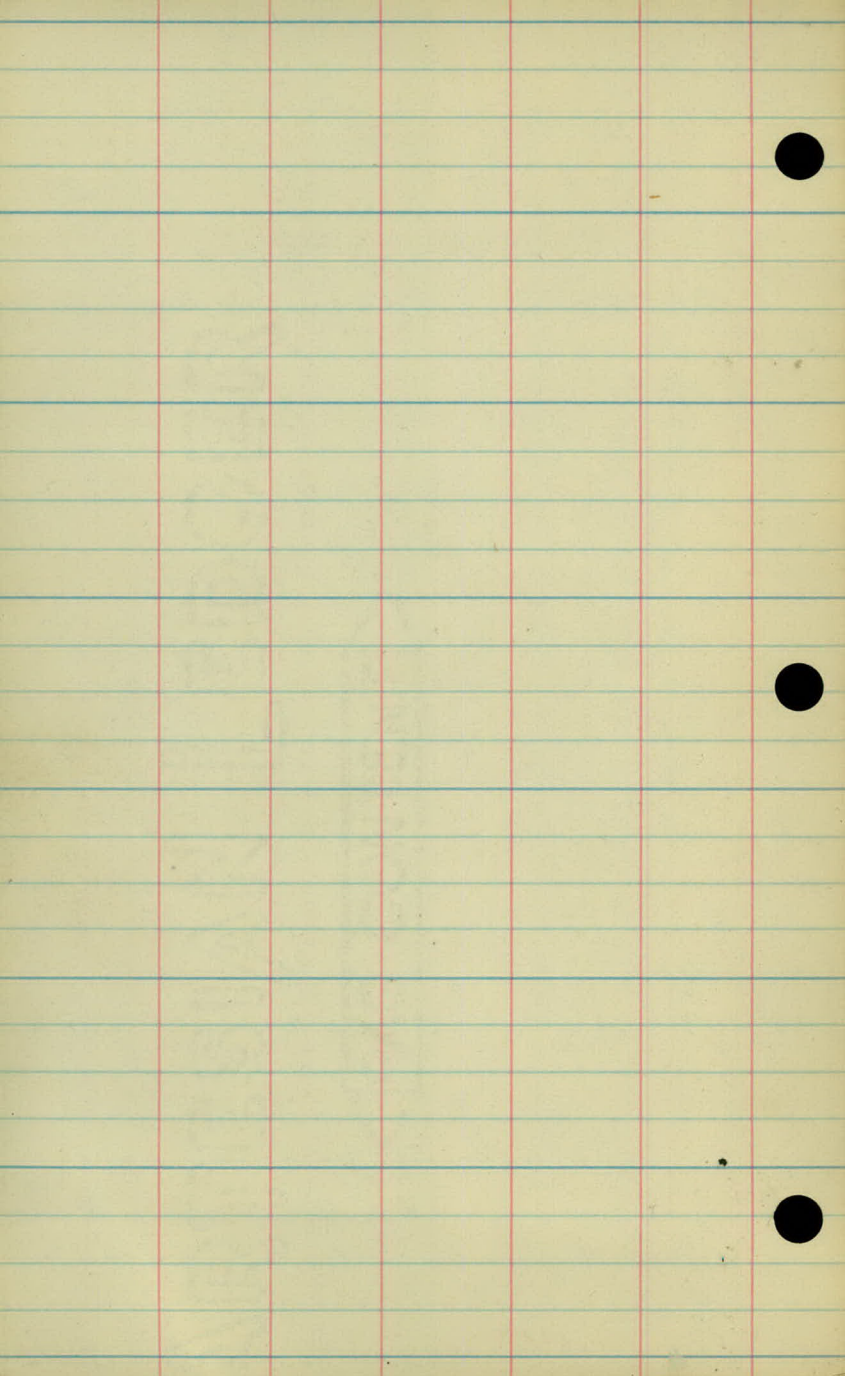
42.13

63.77

24" Oak

Hub

Hub



Topog.

34-03

5

4

3

2

1

0+00

+21-P.P. 14'

F. 25'

+81-Rd. Sq. 15'

+76-P.P. 14'

+80-F.C. 24 & 33'

F. 34'

+49-P.P. 14'

Cult.

Hay Field

F. 34'

+00-P.P. 13'

F. 34'

+33-Sq. 14'

+30-P.P. 13'

+16-Rd. Sq. 11'

+00-E Dr.

+87-F. 1 & 34'

+48-Water Main Xing

+26-G.P. 37'

+20-F. 34'

Ø-06-24" X 42' C.M. 35'

12

11

10

9

8

7

6

+35-P.P.14'

F.21'

F.21'

+99-P.P.14'

F.21'

+59-P.P.15'

Cult.

Wooded Pasture

F.21'

F.21'

+15-P.P.15'

F.22'

F.22'

+71-P.P.15'

F.23'

19

18

17

16

15

14

13

F. 11'

F. 33'

+47-P.P. 10'

+60-12"X29' Vitr

F. 11'

F. 33'

F. 11'

F. 32'

+97-P.P. 10'

F. 14'

F. 32'

+57-P.P. 11'

F. 12'

F. 33'

+14-P.P. 12'

F. 22'

+88-T. 33'

+76-F.C. 33'

+56-T. 34'

F. 18'

+76-P.P. 13'

+90-T. 28'

+81-T. 34'

+19-F.C. 16'

+19-F.C. 21'

Wooded Pasture

Cult.

Cult.

47.

6 T. on F.L.

9 T. on F.L.

5 T. on F.L.

13-16'

24

25

24

23

22

21

20

Cult.

+37 - Side Rd.
+24 - F.C. 27'
+20 - T. 20'
+04 - T. 20'
F. 30'

+85 - T. 25'
+77 - T. 26'

F. 29'

+98 - T. 30'

F. 28'

Hay Field

Wooded Pasture

F. 26'

F. 26'

+94 - Rd. Sp. 23'
+68 - F.C. 25'

+38 - T. 31'

+06 - T. 22'

+94 - P.P. 9'
+78 - T. 25'

+55 - E.Dr.

+29 - F.C. 12'
F. 11'

Yard

Yard

+82 - T. 34'
+70 - E.Dr.

+40 - F.C. 34'

F. 33'

33

32

31

30

29

28

27

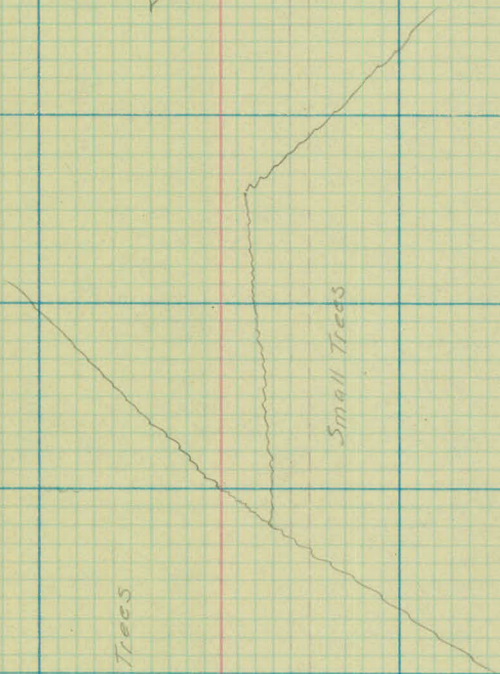
Low Land

Small Trees

Small Trees

Wooded

Cult.



40

39

38

37

36

35

34


~~~~~

pub7

mo7

47

46

45

44

43

42

41

Cut

Woods

+ 50-F.E.

— — — — —  
— — — — —

+ 50-F.E.



54

53

52

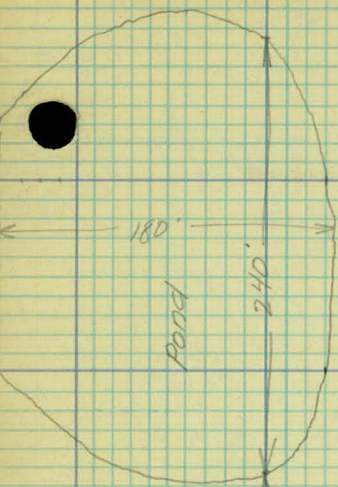
51

50

49

48





Tamarack  
Woods

240'

Pond

146'

400'

Field

+11-T. 12

Hay

x x x x x x

150-F-Xing

Woods

Cut

61

60

59

58

57

56

55

Cult.

Brush

Cult.

Hay Field

Tamarack  
Woods



68

67

66

65

64

63

62



Hay Field

Gult.

+75-Trail-Xing

Gult.

+87-T.S.

75

74

73

72

71

70

69

Swamp 395'

Swamp 290'

Swamp 235'

Swamp 215'

Swamp 235'

Hay Field

Cult.



82

81

80

79

78

77

76



Woods  
Small Oaks

+86-Trail

Cult.

+25-EDITCH

Swamp 400'

Cult.

Swamp 425'

89

88

87

86

85

84

83

Swamp.

Hay Field

Woods



96

95

94

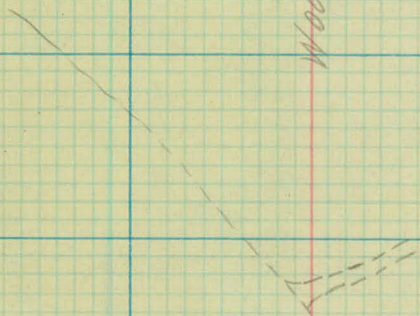
93

92

91

90





Swamp.

Hay Field

Woods

Woods

+75-4 Trail

103

102

101

100

99

98

97

Hay Field

x x x x x

138. K.F.

Woods



110

109

108

107

106

105

104



11/21/14

117

116

115

114

113

112

111

Woods

Hay Field



124

123

122

121

120

119

118



Plot 104

Woods

131

130

129

128

127

126

125

Woods

Cult

Hay Field

Creek

10-1 Creek



138

137

136

135

134

133

132



Wooded Pasture

+45 F.C.

x x x

24/11

Woods

145

144

143

142

141

140

139

Wooded Pasture

Cult.

Woods





152

151

150

149

148

147

146



Wooded Pasture

Woods



159

158

157

156

155

154

153

Wooded Pasture

Cult.



166

165

164

163

162

161

160



+27.8-~~4~~ S.T.H. #63

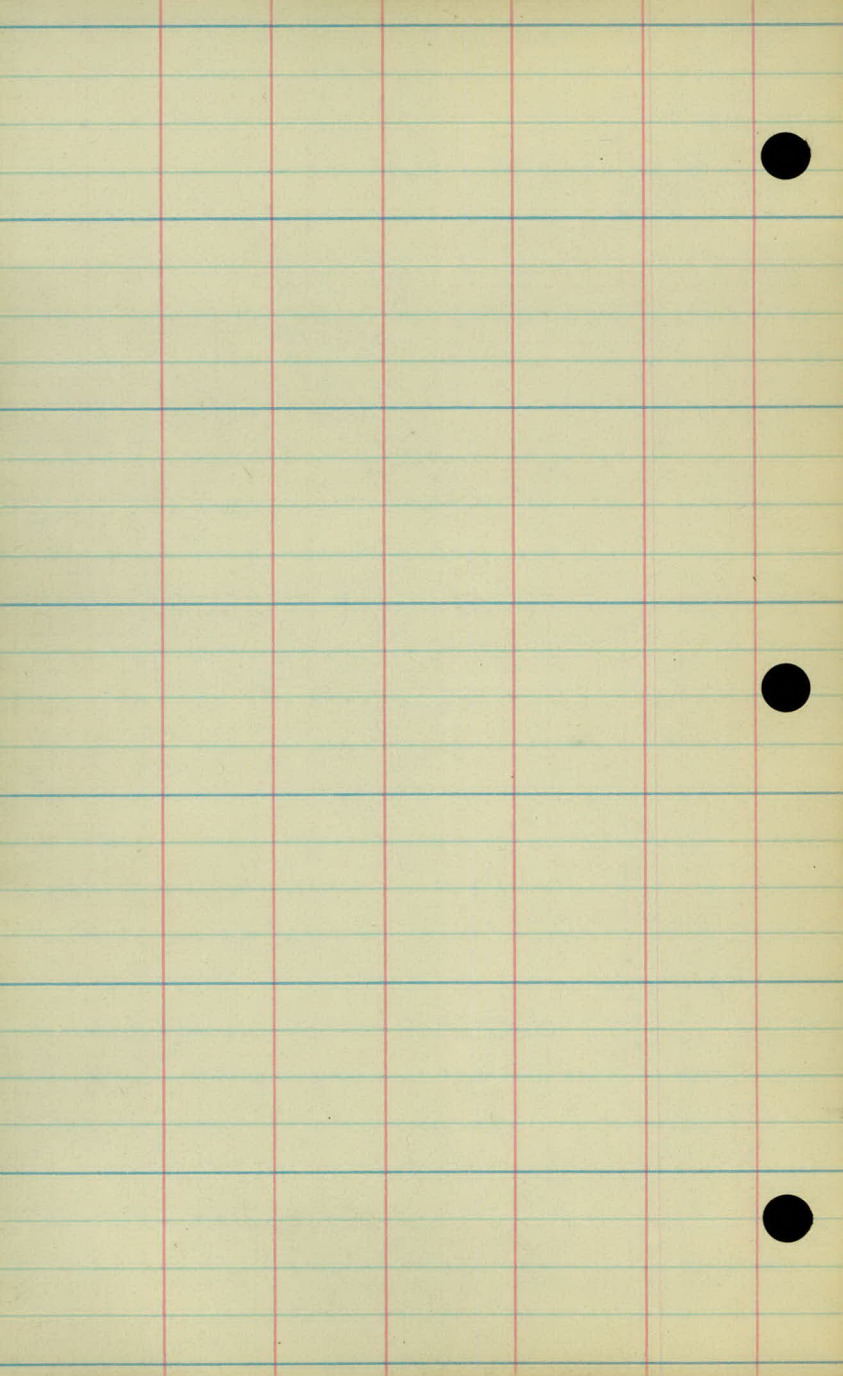
27' I.C.C. Pavement

+72-F.C. 13'

+20-F.A

Wooded Pasture

Cult.



£ Levels

34-03

|      |      |             |      |          |      |
|------|------|-------------|------|----------|------|
| B.M. | 7.82 | 980.00      | ✓    | 972.18   |      |
| 0+00 | ±    | Co. Rd. "I" |      |          | 72.5 |
| 1    |      |             |      |          | 73.4 |
| 2    |      |             |      |          | 73.0 |
| 3    |      |             |      |          | 73.8 |
| 4    |      |             |      |          | 75.4 |
| 5    |      |             |      |          | 76.8 |
| 6    |      |             | ✓    |          | 78.8 |
| T.P. | 6.18 | 986.09      | 0.09 | ✓ 979.91 |      |
| 7    |      |             |      |          | 80.4 |
| 8    |      |             |      |          | 81.5 |
| 9    |      |             |      |          | 81.5 |
| 10   |      |             |      |          | 81.2 |
| 11   |      |             |      |          | 80.0 |
| 12   |      |             |      |          | 79.9 |



Spk. in T.P. - S.E. Cor. Lex. & Co. Rd. "I"

7.5

6.6

7.0

6.2

4.6

3.2

1.2

5.7

4.6

4.6

4.9

6.1

6.2

986.09

13 79.1

14 78.5

T.P. 0.95 979.45 7.59 978.50

15 77.5

B.M. 2.24 977.21

16 75.7

17 74.7

18 74.7

19 74.7

20 75.3

21 76.3

T.P. 5.92 982.16 3.21 976.24

22 76.4

23 76.9

24 76.6

25 77.1

70

76

2.0

Spt. in 24" Oak 50' Pt. 15+75

3.8

4.8

4.8

4.8

4.2

3.2

5.8

5.3

5.6

5.1

✓  
982.16

24

B.M.

2.91

979.25

78.5

+50

79.8

+90

79.8

27

T.P.

5.75

✓  
987.03

0.88

✓  
981.28

80.6

+15

85.0

+50

85.2

28

+60

83.3

78.6

29

T.P.

1.79

✓  
977.06

11.76

✓  
975.27

74.0

30

72.6

+80

72.1

31

73.1

32

71.8



3.7

Spk. in 24" Dak 80 Rt. 24+10

2.4

2.4

1.6

2.0

1.8

3.7

8.4

13.0

4.5

5.0

4.0

5.3

✓  
977.06

33 71.8

34 71.8

35 70.8

36 70.7

37 71.1

T.P. 10.16 ✓ 984.05 3.17 ✓ 973.89

38 71.1

39 71.5

40 72.7

+40 74.3

+75 79.1

B.M. 2.40 981.65

41 80.6

+25 80.1

+70 78.1

5.3

5.3

6.3

6.4

6.0

13.0

12.6

11.4

9.8

5.0

Spt. in 24" Oak 60' Rt. 40+75

3.5

4.0

6.0

✓  
984.05

42

T.P.

7.36

✓  
990.12

1.29

✓  
982.76

79.9

+60

84.5

43

86.3

+70

88.3

44

87.8

+30

85.9

45

84.5

46

80.3

+20

79.7

+50

80.6

47

83.5

+50

85.1

48

85.9



4.2 +

5.6 +

3.8 +

1.8 +

2.3 +

4.2 +

5.6 +

9.8 +

10.4 \*

9.5 +

6.6 +

5.0 +

4.2 +

✓  
990.12

48+40

86.3

49

85.6

+27.9

P.I.

✓

✓

85.7

T.P.

3.59

989.40

4.31

985.81

50

87.5

B.M.

1.87

987.53

+25

87.5

+45

85.8

51

✓

✓

77.2

T.P.

0.79

976.85

13.34

976.06

+65

68.1

52

68.1

53

67.5

54

66.7

55

✓

✓

65.5

T.P.

4.46

972.13

9.18

967.67

56

65.1

3.8

4.5

4.4

1.9

Spk. in 18" Oak. 1' Lt. 49+75

1.9

3.6

12.2

8.8

8.8

9.4

10.2

11.4

7.0

✓  
972.13

57 65.4

58 66.6

+70 67.6

59 70.5

+10 71.7

T.P. 4.98 ✓ 976.82 0.29 ✓ 971.84

+50 72.7

60 72.1

+60 67.0

+80 67.0

61 67.5

+35 70.0

62 72.3

T.P. 9.89 ✓ 984.92 1.79 ✓ 975.03

+30 74.6



6.7

5.5

4.5

1.6

0.4

4.1

4.7

9.8

9.8

9.3

6.8

4.5

10.3

984.92

63 77.3

64 78.7

+45 81.2

65 81.9

66 81.2

+38 82.1

+48 83.1

67 79.9

B.M. 2.75 985.14 2.53 982.89

+35 76.5

+70 73.8

68 71.0

+35 66.9

69 70.1

7.6

6.2

3.7

3.0

3.7

2.8

1.8

5.0

Spk. in 30" Oak 150' ft. 64450

8.6

11.3

14.1

18.2

15.0

✓  
985.14

69+10

71.3

70

73.0

71

✓

✓

73.4

T.P.

6.05

981.44

9.75

975.39

72

73.7

73

74.9

74

76.6

75

77.3

76

77.2

77

71.4

+30

69.4

+45

69.9

+55

✓

✓

67.3

T.P.

1.97

970.56

12.85

968.59

78

64.9



13.8

12.1

11.7

7.7

6.5

4.8

4.1

4.2

10.0

12.0

11.5

14.1

5.7

✓  
970.56

78+18

65.6

+25 E Ditch

61.1

+40

65.6

79

T.P.

10.32

✓  
980.60

0.28

✓  
970.28

69.6

+50

73.6

80

75.0

+59 P.I.

75.7

81

77.2

82

77.6

83

T.P.

4.02

✓  
984.04

0.58

✓  
980.02

80.4

+40

81.1

84

77.2

85

T.P.

0.68

✓  
973.94

10.78

✓  
973.26

72.4

5.0

9.5

5.0

1.0

7.0

5.6

4.9

3.4

3.0

0.2

3.0

6.8

11.6

✓  
973.94

86

68.2

+50

66.4

87

67.2

88

65.5

T.P.

3.36

✓  
969.01

8.29

✓  
965.65

89

66.0

90

65.2

91

64.7

92

64.3

93

66.0

+30

65.0

+60

T.P.

10.05

✓  
976.44

2.62

✓  
966.39

66.0

94

T.P.

13.43

✓  
989.26

0.41

✓  
975.83

70.0

95

T.P.

9.60

✓  
997.01

1.85

✓  
987.41

80.0



5.7

2.5

6.7

8.4

3.0

3.8

4.3

4.7

3.0

4.0

3.0

6.4

9.3

✓  
997.01

96

92.3

+50

94.0

97

B.M.

3.77

✓ 993.24

✓ 92.0

+25

T.P.

0.59

✓ 983.92

13.68

✓ 983.33

✓ 89.6

T.P.

0.28

✓ 972.07

12.13

✓ 971.79

B.M.

5.48

✓ 966.59

+85

67.4

98

66.0

+50

63.7

99

63.0

+25.6

P.I.

62.6

100

60.9

101

60.6

102

T.P.

3.33

✓ 966.22

9.18

✓ 962.89

✓ 60.4

4.7

3.0

5.0

Spk. in 24" Oak 30' Lt. 97+10

7.4

Spk. in 18" Oak 75' Lt. 98+30

4.7

6.1

8.4

9.1

9.5

11.2

11.5

11.7

✓  
966.22

103 59.9

104 60.1

105 60.6

106 62.2

107 61.6

108 62.7

109 62.8

110 ✓ 62.6

T.P. 7.93 970.96 3.19 ✓ 963.03

111 62.0

112 62.0

113 62.0

114 61.7

115 62.0



4.3

6.1

5.6

4.0

4.6

3.5

3.4

3.6

9.0

9.0

9.0

7.3

9.0

✓  
970.96

115+50

63.7

116

66.2

T.P.

9.86

✓  
977.19

3.63

✓  
967.33

117

72.9

B.M.

9.44

✓  
967.75

118

66.7

119

64.0

120

63.2

T.P.

4.37

✓  
967.99

13.57

✓  
963.62

121

63.3

122

63.3

123

63.3

124

63.1

+50

62.3

125

59.5

+10

E Creek

59.3

7.3

4.8

4.3

Sph. in 10" Dak 80' Rt. 116 + 30

10.5

13.2

14.0

4.7

4.7

4.7

4.9

5.7

8.5

8.7

✓  
967.99

125+40

60.0

+70

62.5

126

63.0

127

63.0

128

64.3

129

66.8

T.P.

8.57

✓  
976.26

0.30

✓  
967.69

130

72.2

B.M.

2.47

✓  
973.59

+50

72.9

131

72.4

+40

70.8

132

65.3

+50

64.3

133

64.8



8.0

5.5

5.0

5.0

3.7

1.2

4.1

Spk. in 10" Oak 50' Lt. 130+85

3.4

3.9

5.5

11.0

12.0

11.5

✓  
976.26

133+50

67.3

134

70.8

135

✓

✓

75.8

T.P.

7.80

983.72

0.34

975.92

+50

79.1

136

79.7

+50

79.5

137

81.0

+20

82.3

138

79.9

139

78.7

140

78.5

141

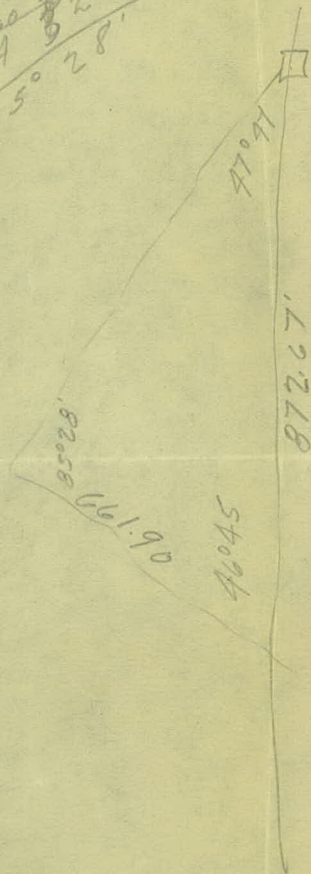
80.3

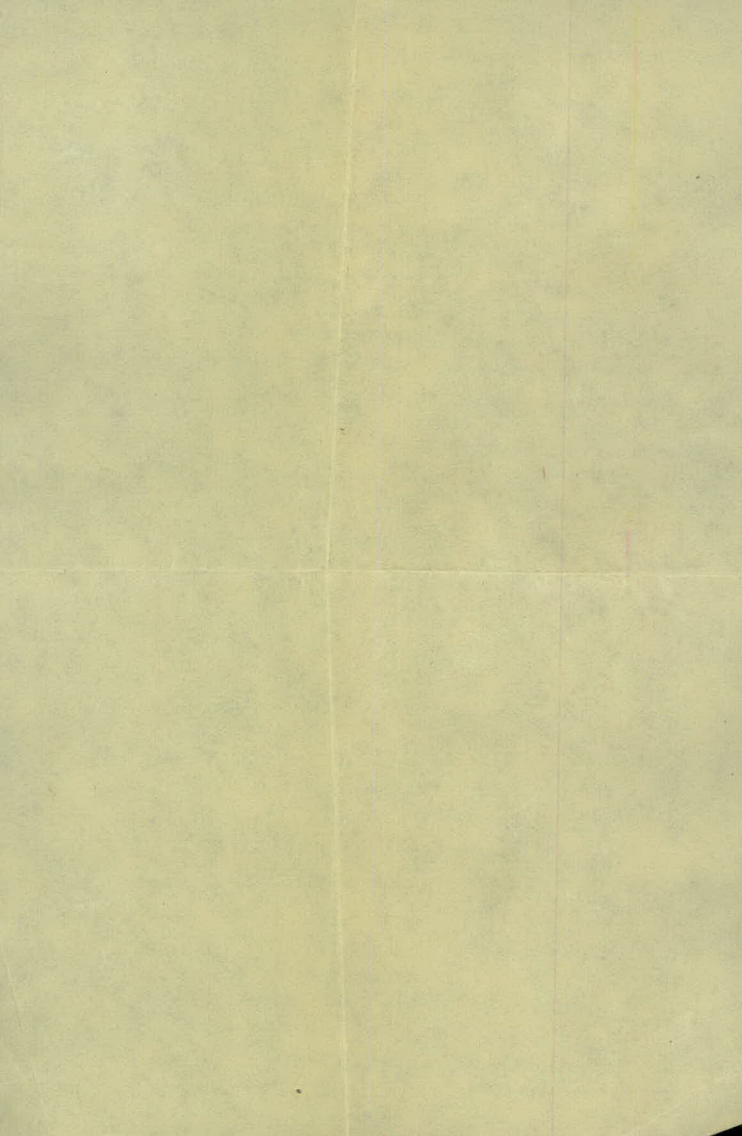
+45

80.7

$$\begin{array}{r}
 2 \overline{) 93^{\circ} 30'} \\
 \underline{46^{\circ} 45'} \\
 47^{\circ} 45' \\
 \underline{17^{\circ} 40'} \\
 94^{\circ} 5' \\
 \underline{85^{\circ} 28'}
 \end{array}$$

$$\begin{array}{r}
 3 \overline{) 143^{\circ} 20'} \\
 \underline{47^{\circ} 30'} \\
 47
 \end{array}$$







9.0

5.5

0.5

4.6

4.0

4.2

2.7

1.4

3.8

5.0

5.2

3.4

3.0

983.72 ✓

142

T.P.

1.20

975.69 ✓

9.23

974.49 ✓

76.2

143

B.M.

3.51

972.18 ✓

69.9

144

66.3

145

65.7

146

T.P.

3.67

971.88 ✓

7.48

968.21 ✓

66.3

147

66.3

148

66.9

149

66.7

150

67.2

151

T.P.

9.83

978.41 ✓

3.30

968.58 ✓

68.3

152

67.4

+85

67.7

153

T.P.

13.31

991.41 ✓

0.31

978.10 ✓

69.3

7.5

5.8

Sph. in 18" Oak 70' Lt. 143+00

9.4

10.0

9.4

5.6

5.0

5.2

4.7

3.6

11.0

10.7

9.1

✓  
991.41

154

T.P.

7.24

✓  
998.08

0.57

✓  
990.84

82.6

155

B.M.

4.94

✓  
993.14

92.7

+50

94.5

156

95.0

157

95.1

+50

94.4

158

95.7

+50

96.6

159

94.3

+50

93.0

160

93.0

161

T.P.

2.10

✓  
996.76

3.42

✓  
994.66

95.1

162

94.2



8.8

5.4

Spt. in 24" Oak 75' Lt. 154+30

3.6

3.1

3.0

3.7

2.4

1.5

3.8

5.1

5.1

3.0

2.6

✓  
996.76

143

91.8

164

90.6

+80

92.0

+85

89.3

165

91.0

+27.8

£ S.T.H. #63

✓

91.6

B.M.

4.91

991.85

5.0

6.2

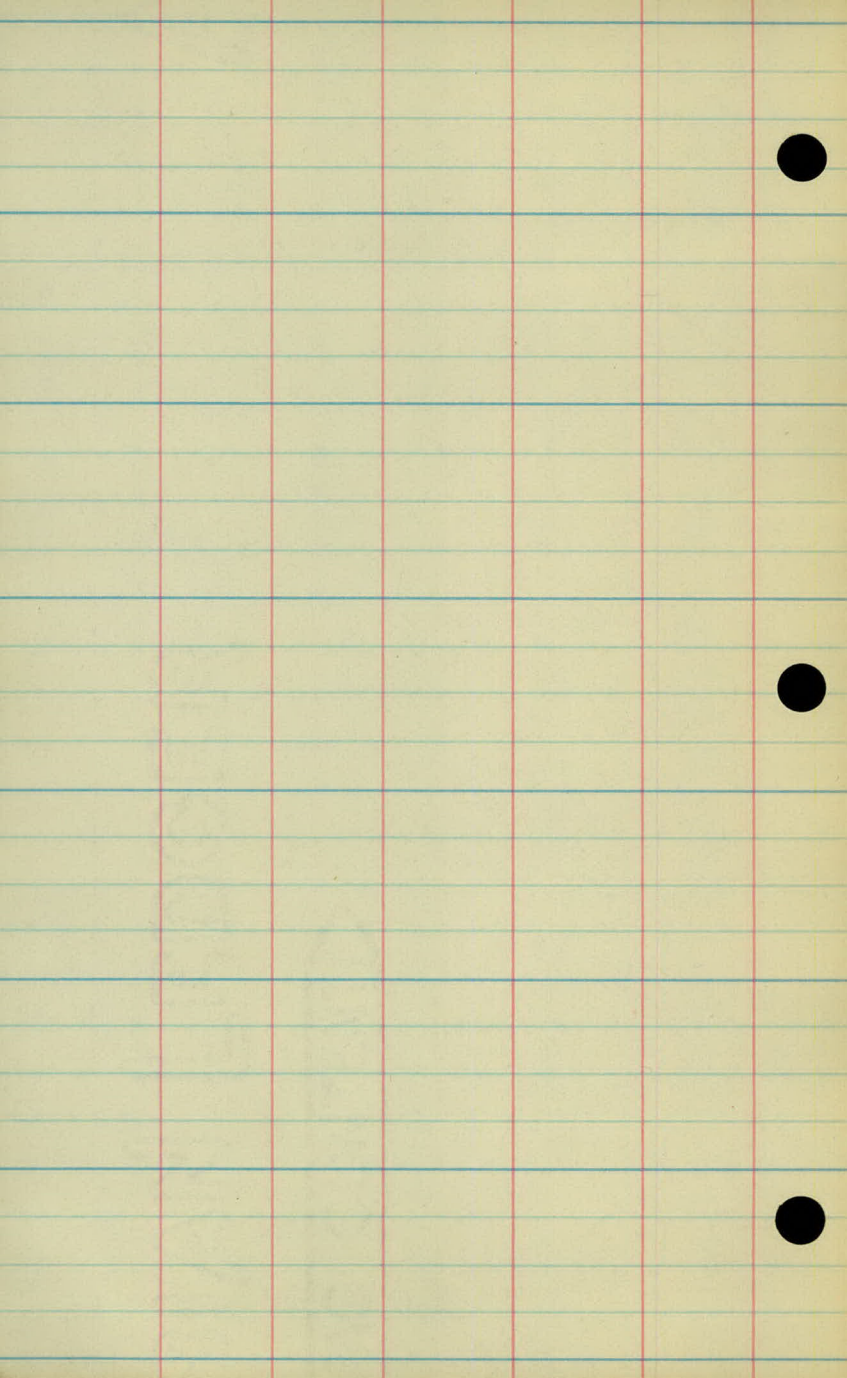
4.8

2.5

5.8

5.2

Spk. in 10" Oak 60' Lt. 163+85





Check Levels

34-03

|      |       |        |       |        |        |
|------|-------|--------|-------|--------|--------|
| B.M. | 7.40  | 979.58 |       | 972.18 |        |
| T.P. | 7.68  | 986.21 | 1.05  | 978.53 |        |
| "    | 1.04  | 980.62 | 6.63  | 979.58 |        |
| B.M. |       |        | 3.41  | 977.21 | 977.21 |
| T.P. | 5.95  | 981.80 | 4.77  | 975.85 |        |
| B.M. |       |        | 2.52  | 979.28 | 979.25 |
| T.P. | 7.03  | 986.11 | 2.72  | 979.08 |        |
| "    | 0.92  | 974.23 | 10.80 | 975.31 |        |
| "    | 9.81  | 983.37 | 2.67  | 973.56 |        |
| B.M. |       |        | 1.69  | 981.48 | 981.45 |
| T.P. | 7.76  | 989.95 | 1.18  | 982.19 |        |
| "    | 2.46  | 990.71 | 1.70  | 988.25 |        |
| B.M. |       |        | 3.14  | 987.57 | 987.53 |
| T.P. | 1.43  | 979.89 | 12.25 | 978.46 |        |
| "    | 13.40 | 980.57 | 12.72 | 967.17 |        |
| "    | 7.81  | 987.30 | 1.08  | 979.49 |        |
| B.M. | 1.65  | 984.10 | 4.85  | 982.45 | 982.39 |
| T.P. | 0.30  | 975.77 | 8.63  | 975.47 |        |
| "    | 4.70  | 970.25 | 10.22 | 965.55 |        |
| "    | 4.95  | 970.65 | 4.55  | 965.70 |        |
| "    | 13.53 | 983.57 | 0.61  | 970.04 |        |
| "    | 11.44 | 994.16 | 0.85  | 982.72 |        |
| "    | 2.62  | 996.12 | 0.66  | 993.50 |        |
| B.M. |       |        | 2.85  | 993.27 | 993.24 |
| T.P. | 1.34  | 984.66 | 12.80 | 983.32 |        |
| "    | 0.00  | 971.83 | 12.83 | 971.83 |        |
| B.M. |       |        | 5.20  | 966.63 | 966.59 |
| T.P. | 3.43  | 966.39 | 8.87  | 962.96 |        |

Spk in T.P. - S.E. Cor. Lex. & Co. Rd. "I"

Spk. in 24" Oak 50' Rt. 15+75

Spk. in 24" Oak 80' Rt. 26+10

Spk. in 24" Oak 60' Rt. 40+75

Spk. in 18" Oak 1' Lt. 49+75

Spk. in 30" Oak 150' Rt. 64+50

Spk. in 24" Oak 30' Lt. 97+10

Spk. in 18" Oak 75' Lt. 98+30

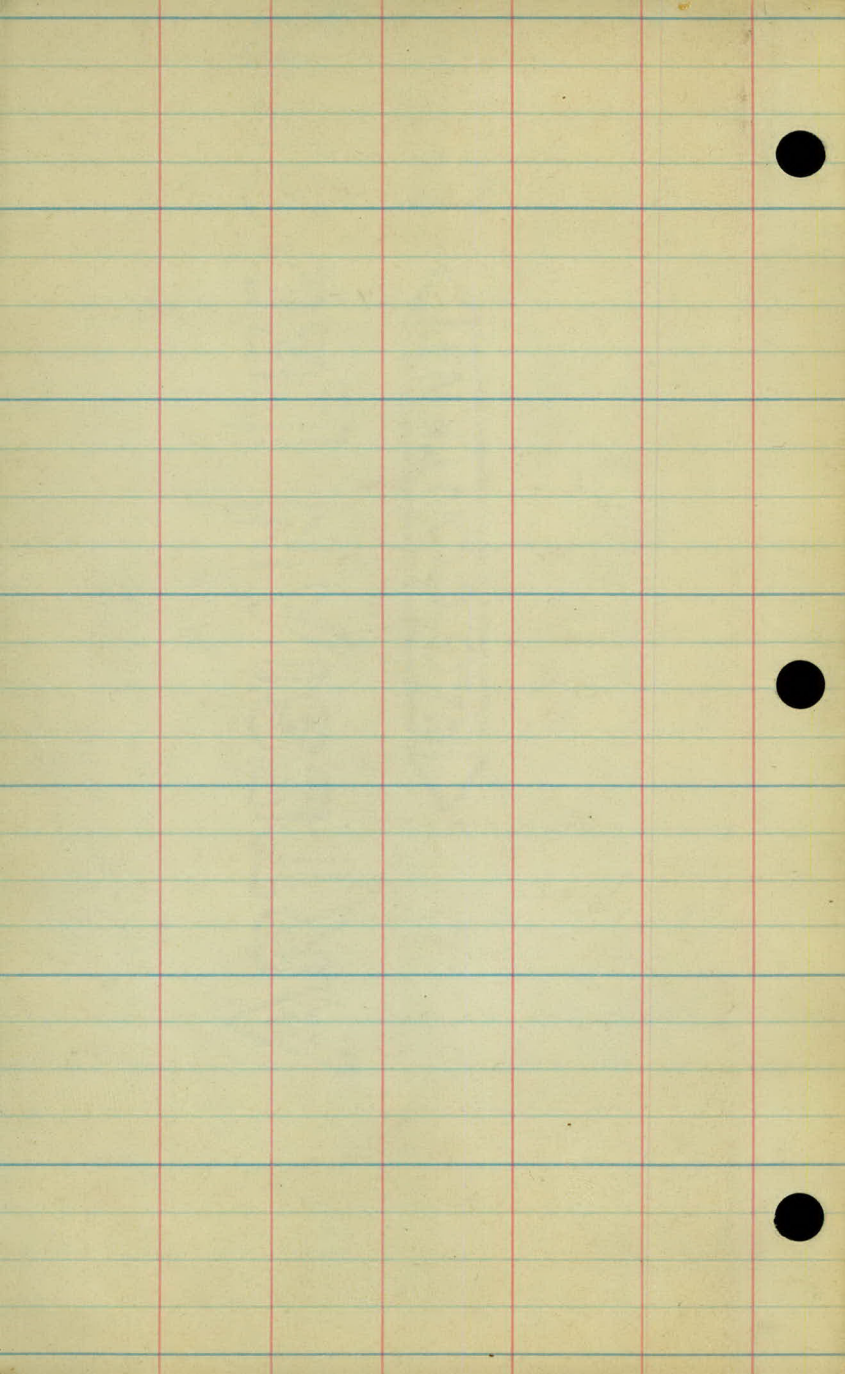
966.39

|      |      |        |      |               |
|------|------|--------|------|---------------|
| T.P. | 7.52 | 970.51 | 3.40 | 962.99        |
| "    | 3.42 | 972.93 | 1.00 | 969.51        |
| B.M. |      |        | 5.18 | 967.75 967.75 |
| T.P. | 3.26 | 969.13 | 7.06 | 965.87        |
| "    |      |        | 1.49 | 967.64        |



Spk. in 10" Oak 80' Rt 114+30

Nail in 24" Oak Rt. 129+00





$\begin{array}{r} 1.22 \\ 939.40 \\ 1600 \\ 1036.92 \\ 396.90 \\ 6602.2 \\ \hline 10475.42 \end{array}$

$\begin{array}{r} 57.50 \\ 10460 \\ 10415 \\ \hline 85 \end{array}$

$\begin{array}{r} 5280 \\ 10560 \\ 8675 \\ \hline 1885 \end{array}$

