

Bk 59 Dr 16

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan Survey

Turtle Lake Rd.

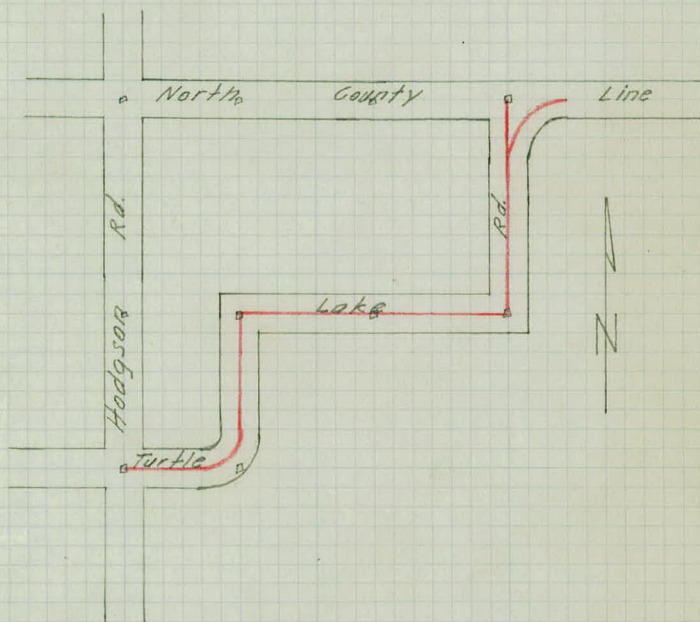
From Hodgson Rd. To N. Co. Line

Road Acc't. No. 62

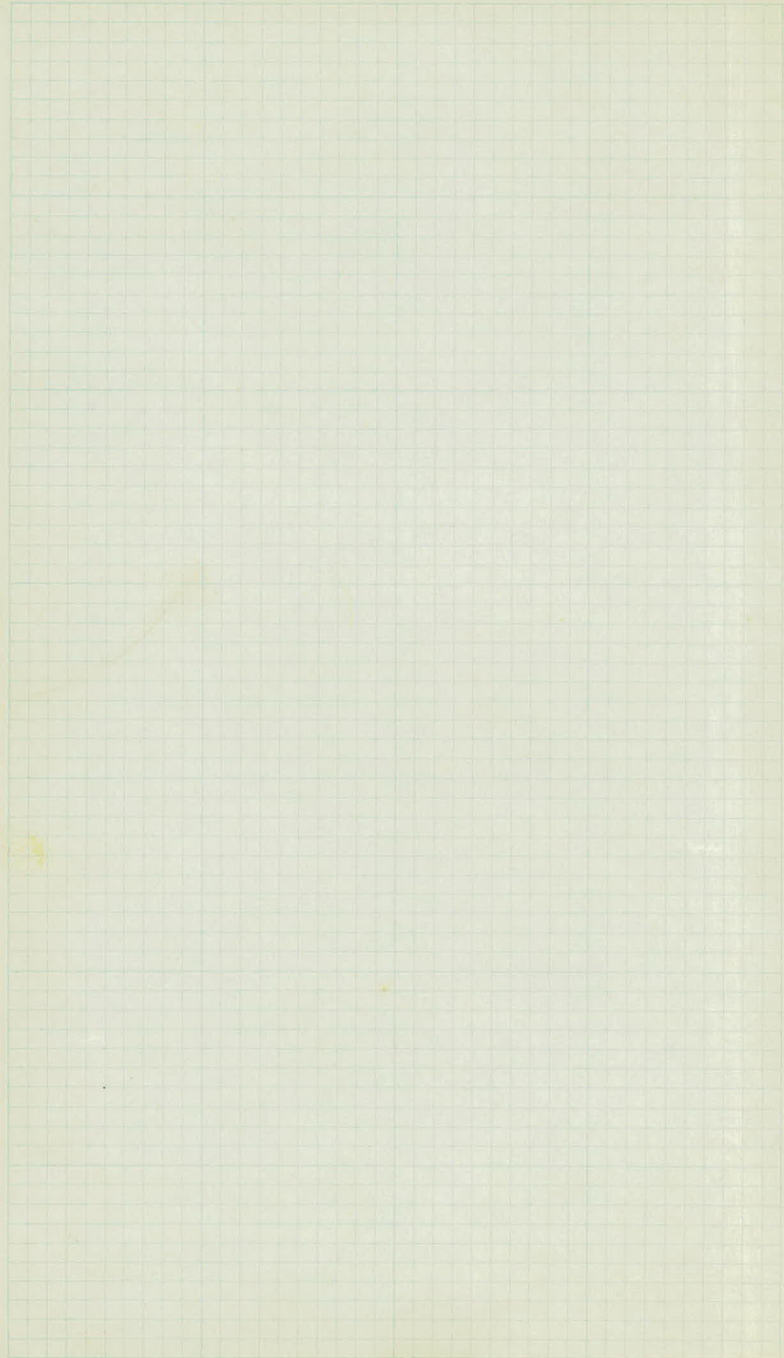
Date Filed 6-11-41

File

PLAN SURVEY
TURTLE LAKE RD.
Hodgson Rd. to North County Line



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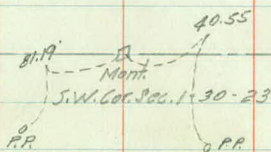
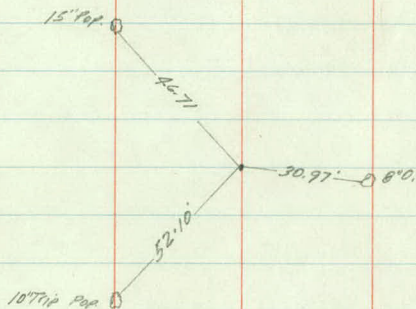
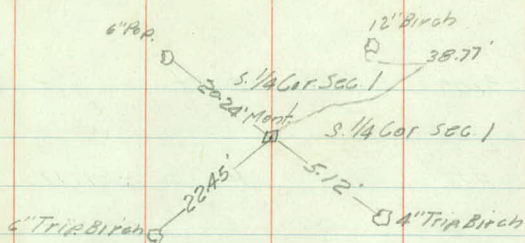


1

Alignment

Sta.	Point	$\Delta L.$	$\Delta R.$
26	+47.83 P.I.		$\Delta - 90^{\circ}17'$
		Cont. next page.	$D - 10^{\circ} -$
26		$26^{\circ}26.1'$	$T - 576.54'$
	+50	$23^{\circ}56.1'$	$L - 902.83'$
25		$21^{\circ}26.1'$	$R - 573.69$
	+50	$18^{\circ}56.1'$	
24		$16^{\circ}26.1'$	
	+50	$13^{\circ}56.1'$	
23		$11^{\circ}26.1'$	
	+50	$8^{\circ}56.1'$	
22		$6^{\circ}26.1'$	
	+50	$3^{\circ}56.1'$	
21		$1^{\circ}26.1'$	
20	+71.29 P.C.	$0^{\circ}00'$	

0 +00 = & Hodgson Rd.



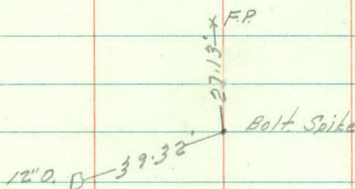
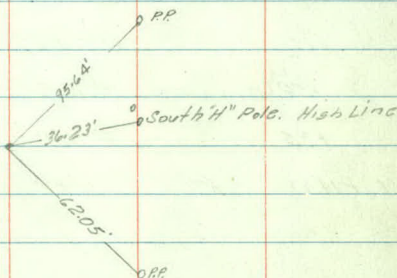
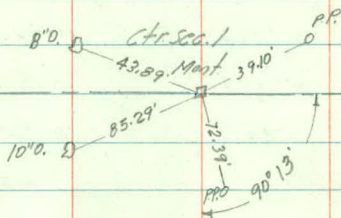
Sta	Point	ΔLt	ΔRt
	+20.28 P.T.	20.25'	44°53.65' Δ -89°47'
51		24.93'	39°05' D-60°-
50	+63.20 P.I.		T-99.62'
	+75		31°55'
	+50		24°45.5'
	+25		17°36' 147.64'
50		24.93'	10°26' L-156.70=Actual Arc.
	+75	11.41'	3°16.3'
49	+63.58 P.C.		0°00' R-100.00'

36 +00 P.O.T.

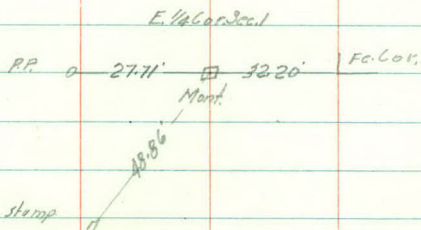
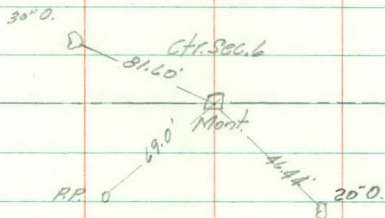
	+74.12 P.T.	45°08.5'
	+50	43°56.1'
29		41°26.1'
	+50	38°56.1'
28		36°26.1'
	+50	33°56.1'
27		31°26.1'
26	+50	28°56.1'

2-6-41

3

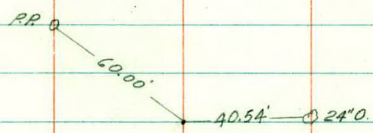
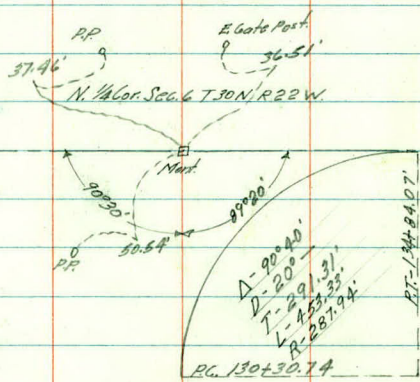


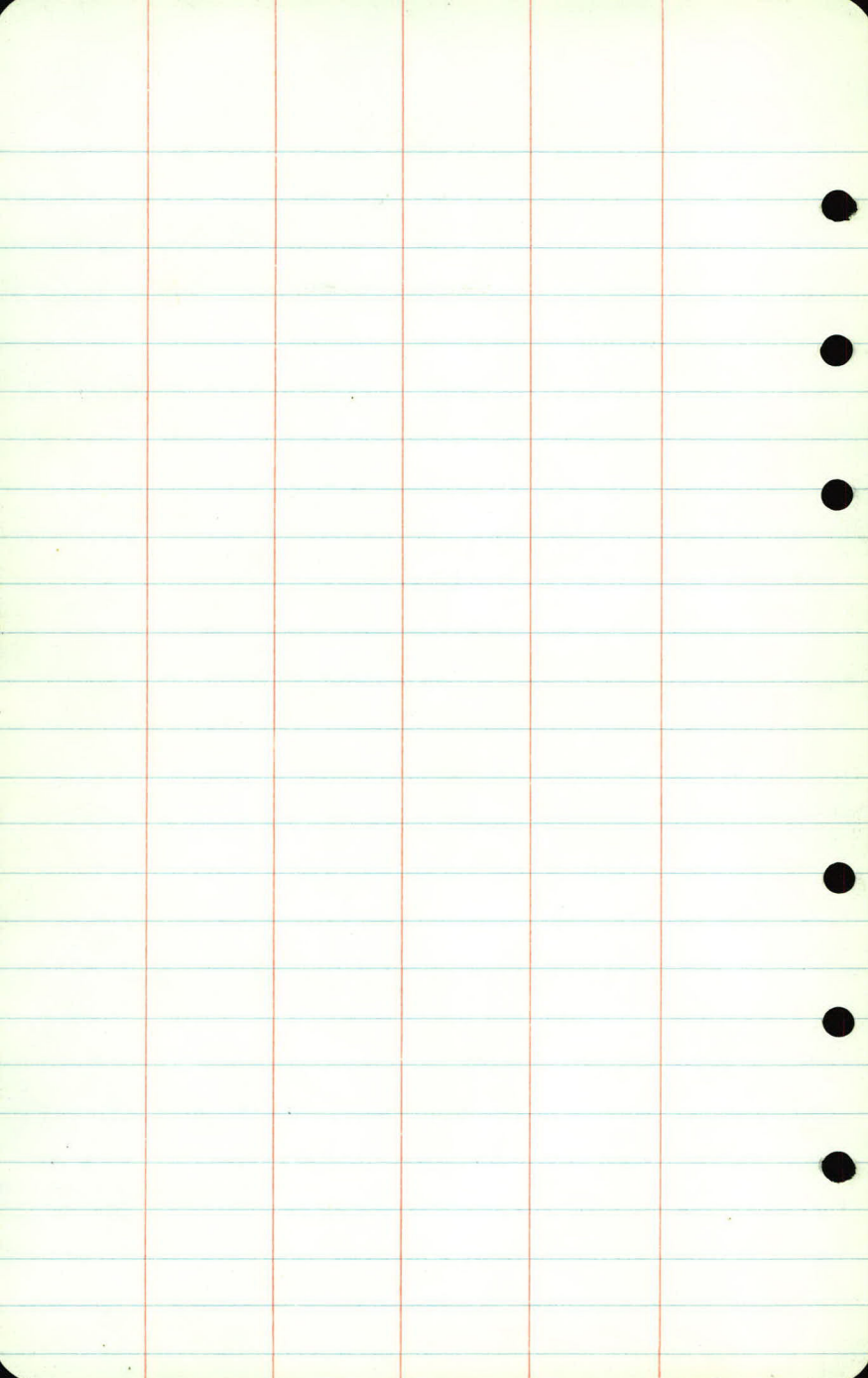
Sta	Point	ΔLt	ΔRt
+74.68	P.T.	45°54.5'	
+50		38°50.4'	Δ -91°49'
+25		31°40.7'	D-60°-
102 +17.65	P.I.		T-103.22'
102		24°31'	L-160.25-Actual Arc.
+75		17°24.2'	R-100.00'
+50		10°11.5'	
+25		3°01.7'	
101 +14.43	P.G.	0°00'	
76 +60.58	P.I.		2°13'



Sta	Point	ΔL	ΔR
	P.T.	134+84.07	45°20'
		+50	41°55.6'
		134	36°55.6'
133+22.05 = North County Line		+50	31°55.6'
		133	26°55.6'
		+50	21°55.6'
		132	16°55.6'
		+50	11°55.6'
		131	6°55.6'
		+50	1°55.6'
	P.C.	130+30.74	0°00'

113+93.7 P.O.T.





Topography

+00 Edge Tie

+96 Ditch - 22

5 Fe-33 9' 9' +04 PP-27'

+65 Bog. Brush - 31'

4 +04 Rd Sign - 28'
Fe-33 11' 10'

+91-8'0-32'

+54 PP-27'

3 Fe-34' 12' 9'

+57-24' Cott - 34'

+57-Ent

2 Fe-34' 12' 10' +07 Fe Cor-32'

+98 PP-27'

+68-10' BE-33'

+47-6' BE-33'

+29-4' BE-34'

+26-8' Willow-32'

+19 Group 5' Willows-33'

1 Fe-33' 12' 11' Fe-32'

+92-8' Willow-32'

+90-4' Two Willow-34'

+66 Group 5' Willow-34'

+49 Stop Sign - 20'

+40 End Rod

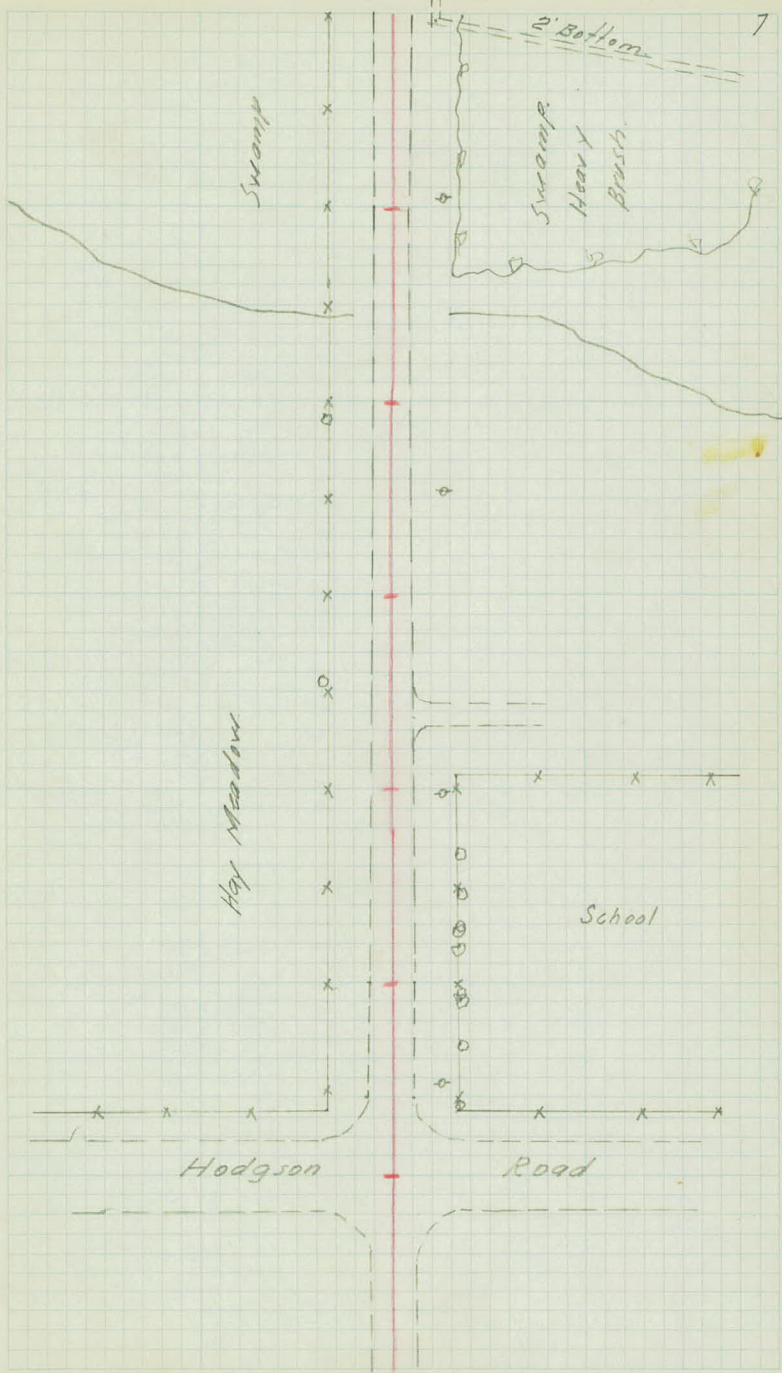
+32 Fe Cor-33'

14' 11' +49 PP-26' 15' 10' BE
+33 Fe Cor-32' 33'

+18 Bog. Rod

39' 43'

0+00



Tray Rd way
+92-Ent.

+87-Ent.

+64-GP-30'

+60-Fc. Cor-33'

+56-Range Tie

+70-End Low Land

+53-PP-25'

+86-Tele. Line X 56

+70-High Line X 56

12

8' 10'

+47-Ent. $\frac{15' \times 20' \text{ C.M.}}{20'}$

11 Fc-32'

8'

+104-PP-25'

11'

10

+96-End Culv. } 15' 30' X 34.5' C.M.
+92-End Culv. }

8'

10'

+99-End Culv. } P. 5

+95-End Culv. }

+82-Ent. Plank Xing

+58-PP-25' End Brush 31'

9 Fc-32'

8'

10'

Brush-29'

8

9'

+87-PP-25'

9'

Brush-29'

+65-Ditch 1' Bottom

7 Fc-33'

9'

9'

Brush-32'

+56-PP-26'

6

Fc-33

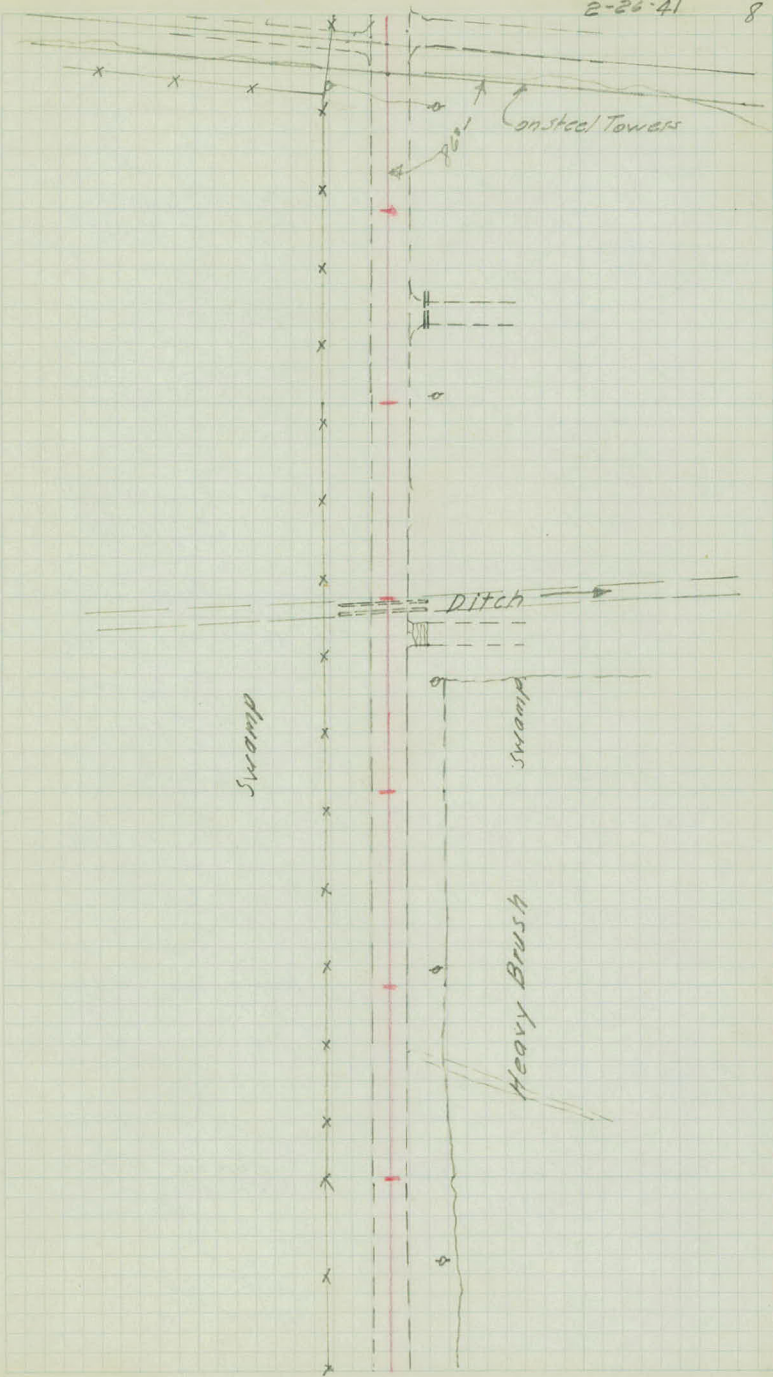
9'

10'

Brush-35'

2-26-41

8



+94-12" Cott-24'
+81-12" Cott-22'

+89-PP-22' 8" O.-33'

+65-12" O.-33'

+65-15" Cott-25' 8" Apple-36'

+40-12" Cott-22'

+22-20" Cott-21'

+13-12" Pine-25'

19 Bent-28'

8'

+15-8" O.-36'

12' 15" O.-36' Fe-35'

+87-12" Pine-26'

+86-Ent

+42-PP-23'

18 +14-Fe Cor-29'

7'

13'

+98-Range Tie to Fe-

17 Fe-29'

8'

10'

+97-PP-24'

+92-24" O.-31' Turn sign-18'

16 Fe-34'

8'

9'

+12-12" O.-34'

Fe-35'

~~+97-~~

~~+92-24" O.-~~

+49-PP-24'

15 +10-Cor Woods-48'

Fe-40

+90-Range Tie to woods

8'

8'

Fe-36'

+50-Fe-41'

14 Fe-36'

8'

9'

+99-PP-24'

+85-6" O.-35' & Fe-

+78-800 Woods

+67-5tp-23'

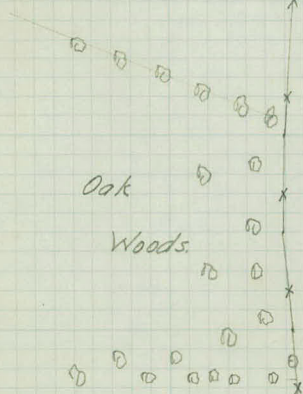
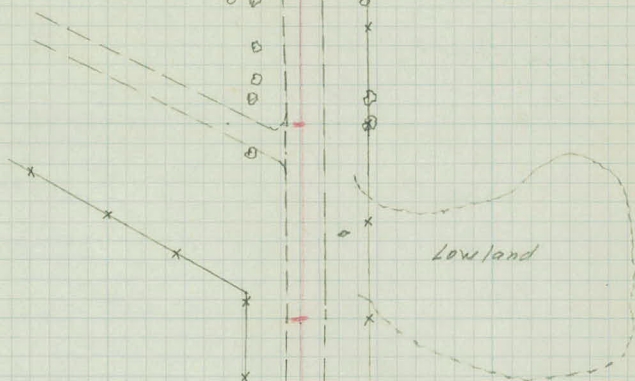
13 Fe-29'

+04-High Line X's &

8'

11'

+23-Fe Cor-35'



only Poles

73-82 Swamp

26
 +32-12"0-18'
 +22-12"0-19'
 +19-20"0-16'
 +11-20"0-13'
 Fe-28'

+45-15"0.9'

25

Fe-51'

24

23

22 Fe-78' R. Ent-162' Rd. 142'-100'

+75-Rd-108'-69'

+50-Fe-40'
 +98-10"Trp Birch-38'
 +34-Rd-24'

+50-Rd-74'-39'

+93-Fe XSE

+30-12"0-38'

+23-End G.R.-8'

+10-Rd Sign-00

+23-Fe Cor-37'

+08-12"Rnc-49'

+07-G.R.-XSE

+11-512-20'

+02-15"Coth-30 G.Pnc-45'

+25-44'-18'

+06-8"0-32' 130 Ent XSE

21

27'-4'

+04-8"0-31'

12"0-31' Fe-34'

+87-18"R.F.-43'

+92-Bcg G.R.-5'

+70-18"Coth-35'

+75-19' 4' +72-8"0-31'

+56-15"Coth-33'

14' 8'-150

+28-8"Tw Coth-27'

+10-10"Pop-34' Hedge Rows N.

20

10'

+04-15"0-32'
 8"0-32' Sta-35'

Waste land.

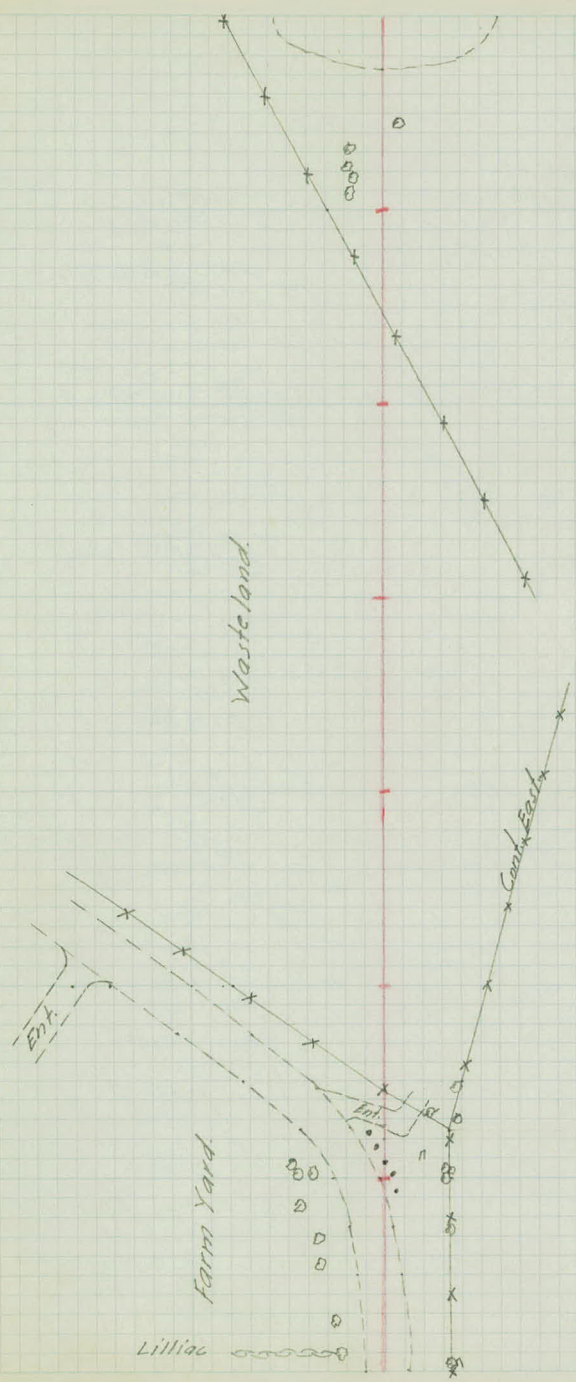
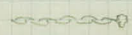
Cont. East

Farm Yard

Ent.

Ent.

Lilliac



+97-Longe Tie.
+94-Fc Cor-23' PR-25'

+50-Fc-29' 18' 4' Fc-18

33 Fc-52 29'-9' Fc-12'

+154'-18'

+50-Δ in fences-1'
+49-PP-9' 61'-35'

32 Fc-72'-1' (Fc-150')
✓ Rd- 121'-88'

31 Fc-00'

30 Fc-1'

+75-Fc-1'

+45-15°0'-26' 15°0'-36' +50-Fc X E
+39-15°0'-34'

29 Fc-4'

+88-5" Pop-2'
+79-5" Pop-8'
+70-Grass 6-5" Willows-9' +80-Swamp 00
+60-15" Will-43'-39' 6" Trip-20
Swamp-95'

28 Swamp-110'

+79-4" Birch-25' 5" Frs, Birch-33'
+73-5" Birch-28'

Swamp-110'

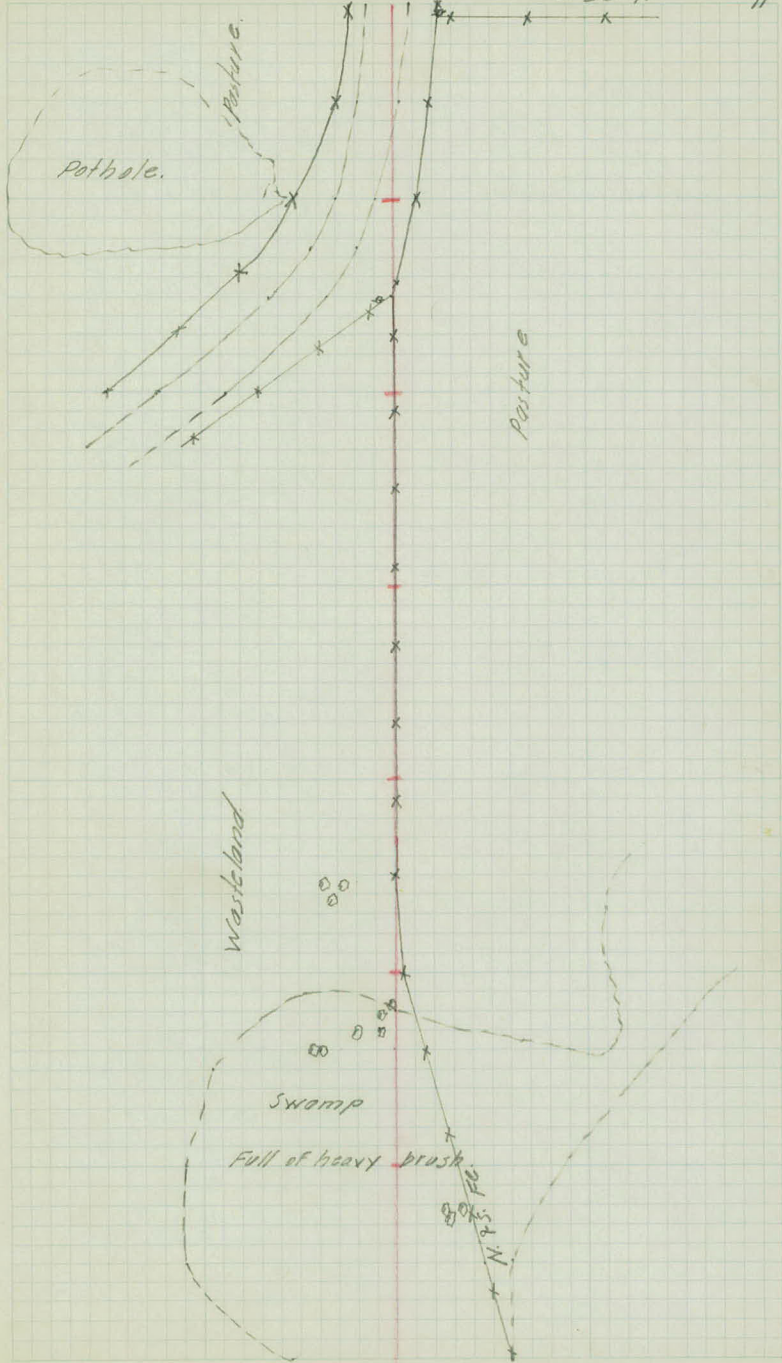
Fc-45' Swamp-60'

27 Swamp-55'

Swamp-60'

2-26-41

11



40 Fc-26' 10' 9'
+87-PP-28'

+42-15"O-34'

39 Fc-25' 10' 10'

+35-15"O-24' +38-PP-28'
+23-15"O-22'

38 Fc-23' 10' 11'

+61-Fc Cor-34'
+57-Range Tie

+41-Winding Rd Sign - 15'

37 Fc-30'-23' 10' 11'
+91-PP-27'

+82-High Line X's &

+43-T.P-42'
+18-Tele Line X's &
+40-High Line X's &
+18-CHK "H" Poles -32'

36 Fc-34'-23' Ent 10' 11'

+43-PP-27'

35 Fc-22' 10' 11'

34 Fc-24' 13' 8'

Scattered Oaks.

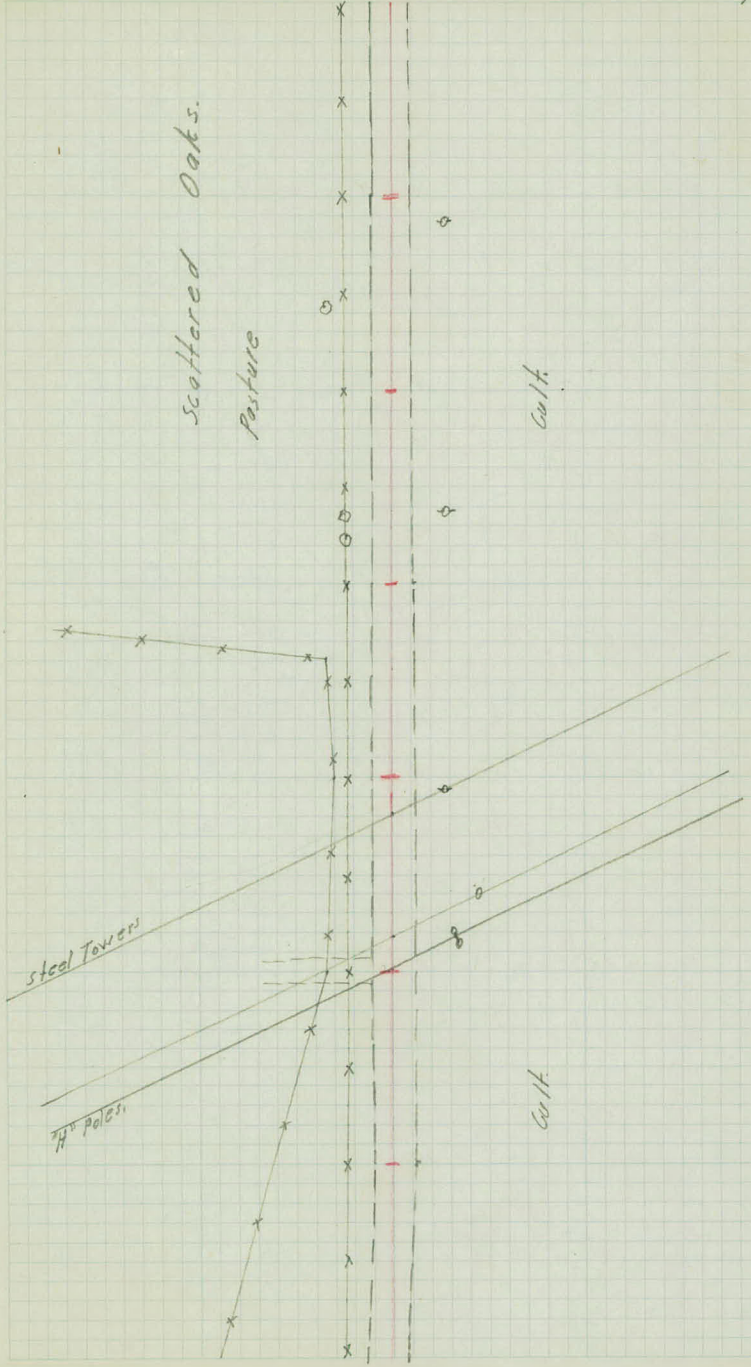
Pasture

Cult.

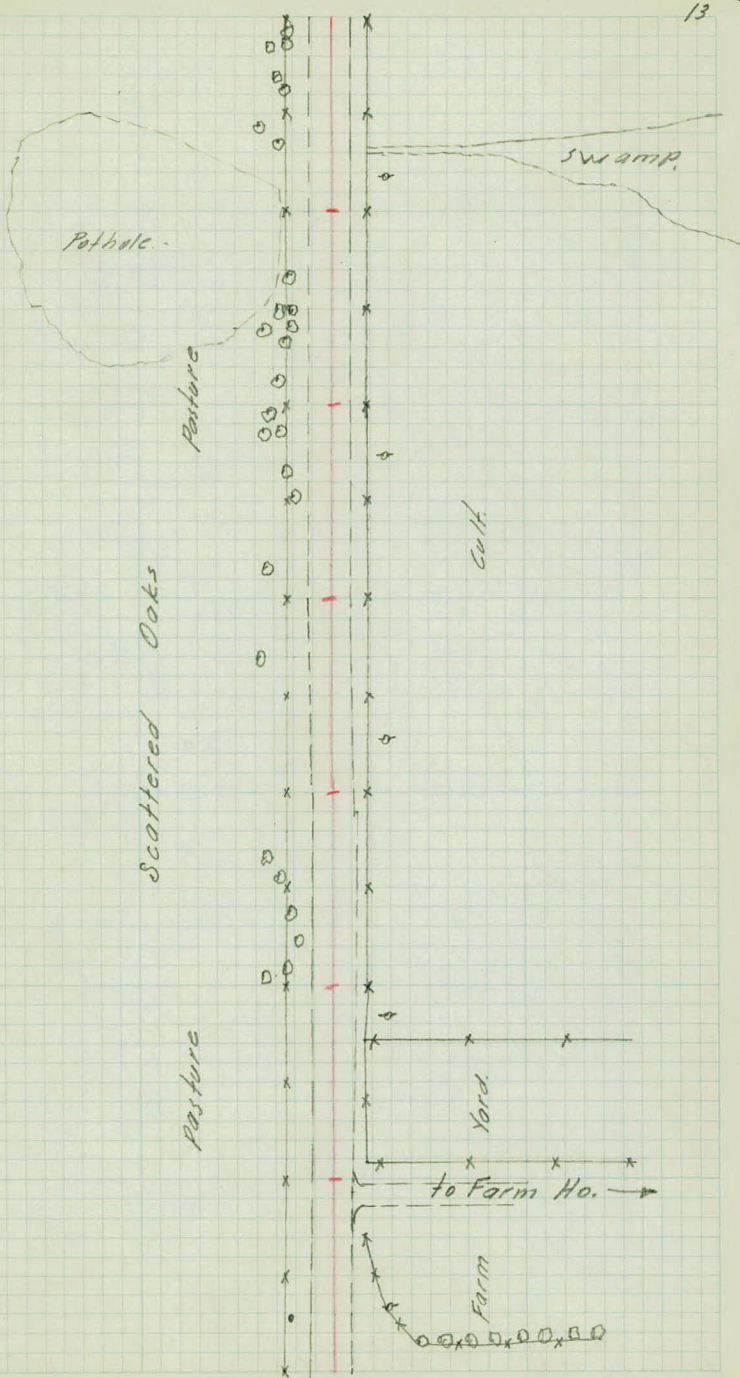
Cult.

Steel Towers

4" poles



- 192-8'0"-22'
 187-8'0"-23'
 181-15'0"-31'
 170-12'0"-28'
 164-10'0"-23'
 144-15'0"-36'
 135-12'0"-27'
 47 FC-24' 11' 10' 119-PP-27'
 FC-18'
- 167-6"Tw.0-21'
 150-8'0"-26'-20'
 142-8'0"-20'
 140-15'0"-34' Pathole-50'
 132-12'0"-23'
 113-24'0"-26'
 46 FC-24' 11' 10' FC-18'
- 196-12'0"-31'
 185-10'0"-35'
 186-12'0"-27'
 166-12'0"-23'
 153-10'0"-19'
 116-30'0"-32'
 45 FC-24' 12' 10' FC-18'
- 170-15'0"-37'
- 127-PP-29'
- 44 FC-22' 10' 12' FC-19'
- 167-16'0"-34'
 156-12'0"-27'
 139-12'0"-21'
 123-12'0"-18'
 110-8'0"-23'
 105-15'0"-34'
 43 FC-24' 11' 11' FC-18'
- 184-PP-28'
 171-FC-Cor-16'
- 109-FC-Cor-17'
 191-Ent.
 172-End FC-16'
- 127-6P-22'
- 132-PP-29' + FC
 116-Row PP-42' + FC
 41 FC-24' 11' 9'



+80-Turn Sign -16'

+72-T.P.-26' +Dim Fe.

54 Fc-31'

11' 10'

Fc-24'

+80-Bes Brush-31'
+71-FP-28'

53 Fc-31'

10' 10'

+12-T.P.-26'
Fc-24'

+14-PP-28'
+06-Ent.
52 Fc-31'

10' 10'

Fc-26'

+86-T.P.-26'
+78-Ent

+20-Fc-23'

9' 12'

Fc-27'

51 Fc-23'

10' 11'

Fc-27'

+77-GP-29' +75' 15' 5'
+59-End G.R. 28' +65-PP-Fc-17'
+50-Fc-Gor-54' G.R.-31' 22' 0'

+28-Fc-Gor-64' +25-G.R.-29' 18' 1' +36-Dim Fc-20'
50 +17-Bes G.R.-27 Fc-41' 15' 6' +06-PP-Fc-21'

+63 Fc-30'

11' 10'

Fc-23'

+11-Dim Fc-20'
49 +06-Dim Fc-23'

12' 9'

Fc-19'

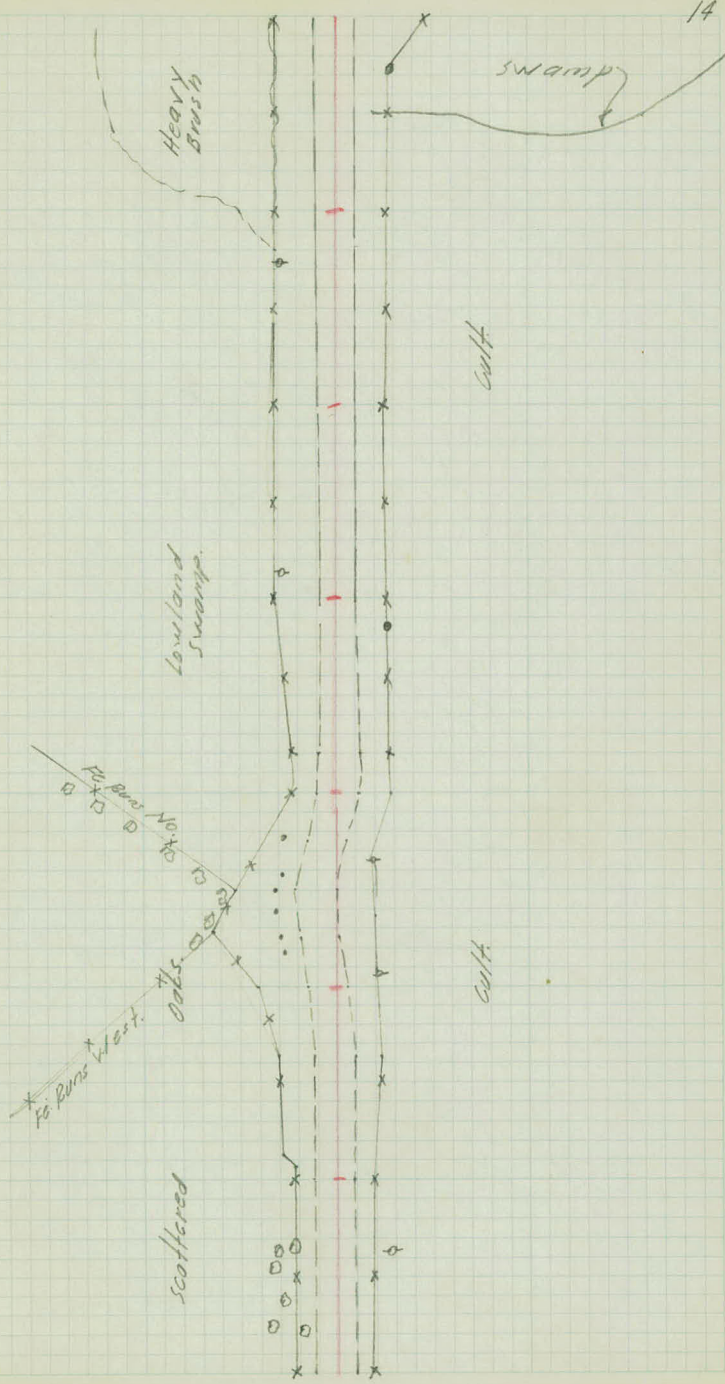
+66-10" 0'-23'
+63-12" 0'-32'
+55-8" 0'-34'
+39-12" 0'-29'
+24-15" 0'-35'
+22-15" 0'-19'

+64-PP-27'

48 Fc-23'

11' 10'

Fc-18'



+77-P.P.-28'

+73-T.P.-22'

61 Fc + Brush - 27' 12' 9'

+46-T.P.-23'

60 +14-P.P.-27'
Fc + Brush - 27' 11' 10'

+35-18'x37' C.M.

20'

17'
+27-T.P.-23'

59 Fc + Brush - 27' 10' 9'

+55-P.P.-27'

+39-4' Birch - 27'

58 Fc + Brush - 26'

11'

+104-T.P.-25'
9'

+34-4" Birch - 28'

57 Fc - 26' Brush - 26' 12' 9'

+94-P.P.-27'

+80-Fc. Cor - 27'

+70-End Brush - 25'
+82-T.P.-24'

56 Fc - 28'

11'

+65-T.P.-25'

+52-P.P.-27'

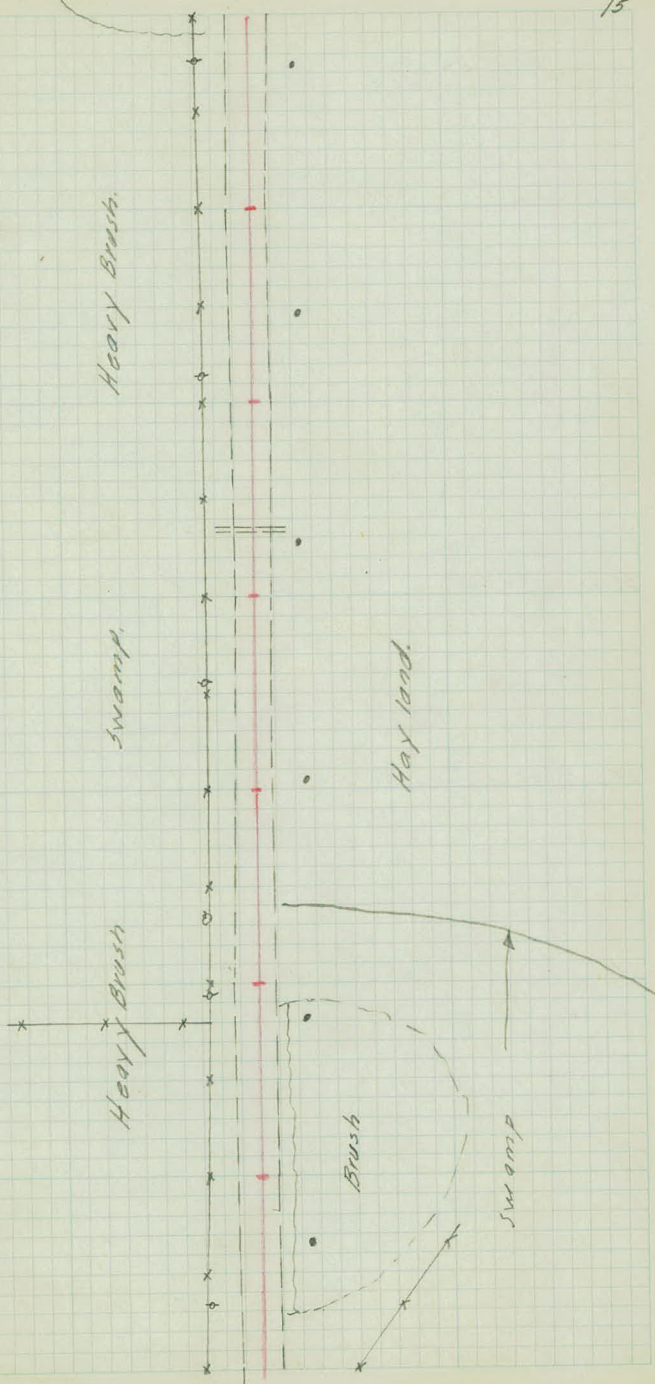
+30-Box Brush - 26'

55 Fc + Brush - 31'

11'

10'

Fc - 48'



Brush - 34'

+68-T.P.-22'

+31-15" D-32'

+18-P.P.-28'

68 Brush-34' Fe-24' 12' 8' Sp-16'

+76-Stp-26'

+64-12" Pop-19'

+52-12" Pop-19'

+34-8" Trip 9-37' + Brush

+37-8" Apple-35'

+21-6" Pine-26'

67 Fe-25' 11' 6'

+97-T.P.-21'

+82-Stamp-31'

+68-6" Apple-29'

+52-P.P.-28'

+46-Ent-

66 Fe-24' 12' 8'

+60-T.P.-21'

65 Fe-27' 12' 7'

+89-P.P.-27'

+33-T.P.-21'

64 11' 9'

+41-Fe Cor-30' End Brush

+31-Ent

+25-P.P.-27'

63 Fe+Brush-28' 13'

+41-20" Cofft.-33'

+31-8" Pine-41'

+17-6" Wide Conc. Steps-26'

+04-N.W. Cor. Charch-51'

+10-18" Cofft.-33'

12' X 30.5' L.P.
17'

+95-T.P.-21'

+85-18" -33'

+75-18" -33'

+61-15" -32'

+47-6" -32'

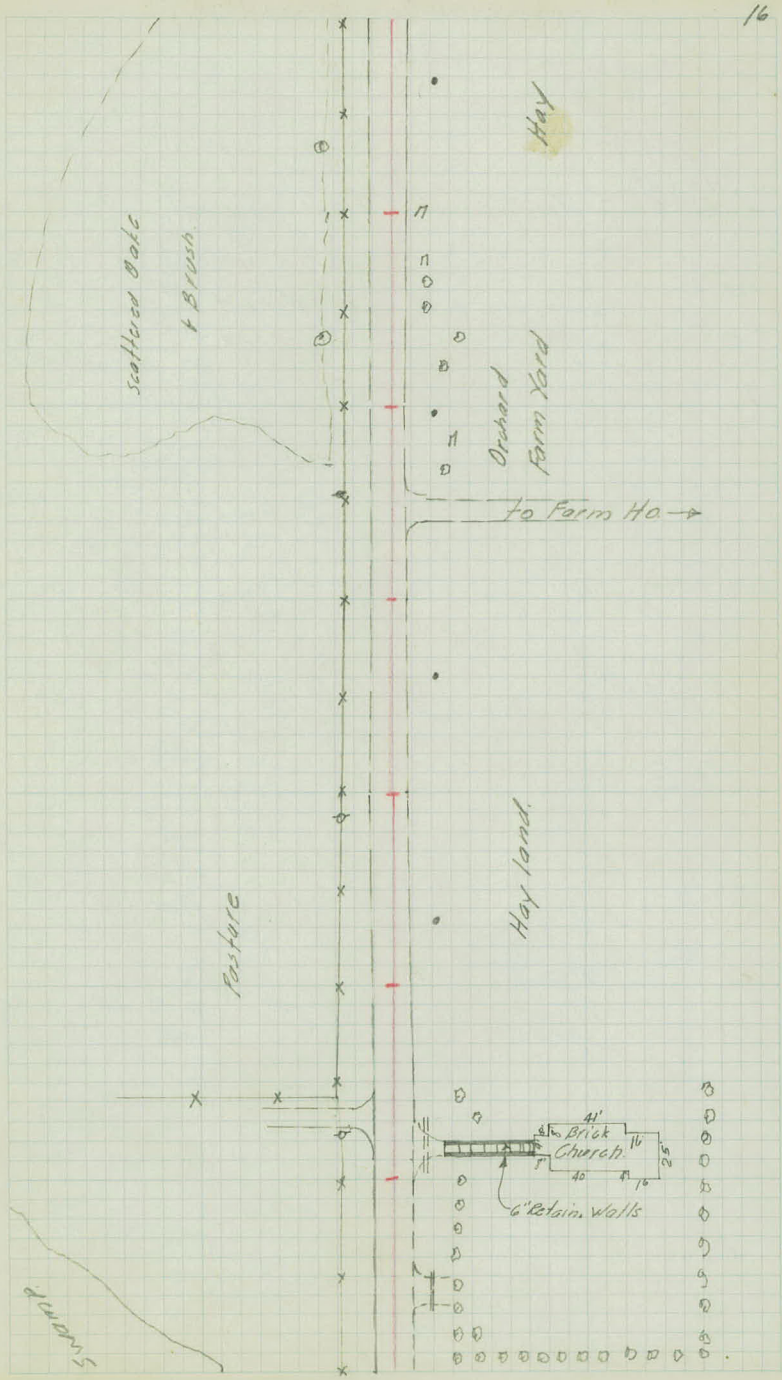
+34-30" Cofft.-32'

+20-18" Cofft.-31'

+09-Cor 24" Cofft.-31'

+41-Ent 15' X 20' L.P.
19'

62 Fe+Brush-28' 11' 10'



+34-Tal. P.P.-28' +20-High Line X 5 1/2
+12-Ent.-
75 FC-21' Brush-25'-21' 7' 13'

+55-High Line X 5 1/2 +55-H Pole-42'
+49-H Pole-36'
+41-Tal. P.-28'

74 FC-22' Brush-27'-17' 9' 13'
+46-P.P.-28'

+91 " " - 42'
+86 Steel Tower-34'

+62-Step-21'
+54-Step-21'

73 FC-22' Brush-27'-17' 9' 11'

+73-P.P.-28'

+67-Ent. 30' Calc
+61-Ent-50' 18'

+119-T.P.-22'

72 FC-22' Brush-27'-17' 10' 10'

+47-P.P.-28'

71 FC-24' Brush-28'-19' 10' 11'

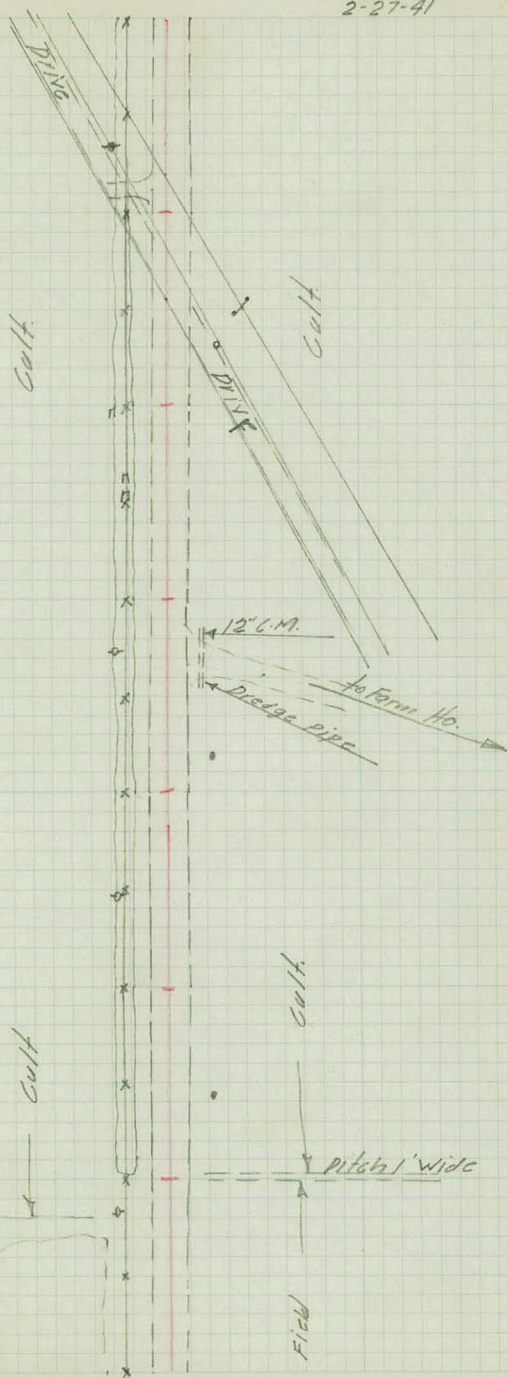
+42-T.P.-22'

+67-Bus Brush-28'-19'
70 FC-23' 10' 10'

+81-P.P.-28'

+69-End Brush-35'

69 FC-24' 11' 8'



82 Fe-26' 14' 11' Fe-33'

+85-PP-20'

+75-10' 0'-23'

+72-8' 0'-28'

+67-12' 0'-23'

+38-Ent $\frac{9" \times 10.5' \text{ Vit}}{20'}$

81 13' 12'

+67-15' X 36' 6' 19'

18'

-15'

+50-24' Elm-25'

+49-18' Ash-25'

80 +09-PP-20' Fe-25' 13' 12' Fe-32'

79 12' 11'

+35-PP-28

78 Fe-20' 10' 14' Fe-32'

77 8' 10'

+62-PP-29'

+61-Fe Cor-17'

+55-Ent

Best Heavy Brush & Wood.

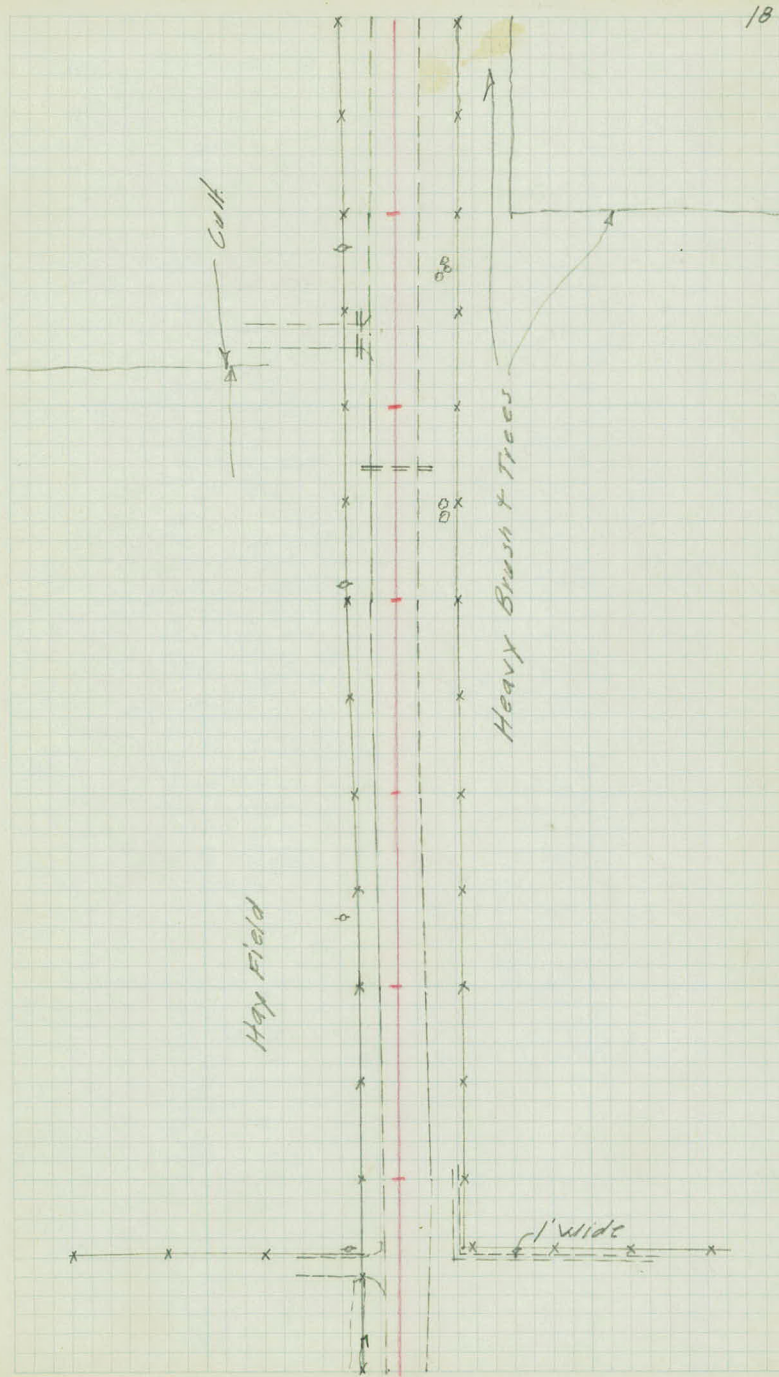
+64-Fe Cor-32'

+60 Ditch

+48-Ent Brush-25-19'

+15-SP-18'

76 Fe-19' Brush-26-19' 6' 13'



89

+85-FC Cor-28'
+80-FF-28'

12'

+09-12"O-28'

+95-18"O-28'

+66-BES Woods.

+40-End Frost Heave.

88

FC-29'

10'

13'

FC-33'

+25-Bog Frost Heaves - Bad.

87

+04-FF-28'

10'

12'

+74-Ent-

86

FC-32'

12'

12'

FC-38'
End Brush.

+30-PP-28'

85

13'

11'

84

FC-32'

13'

12'

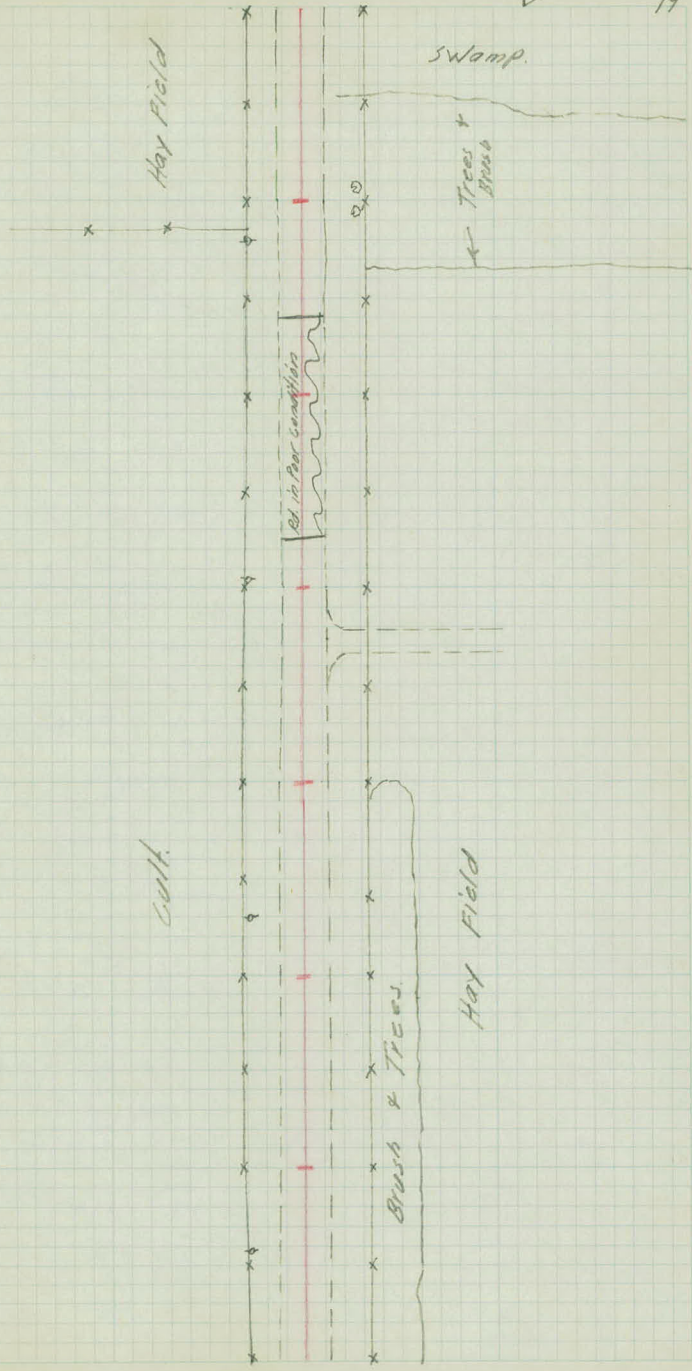
FC-33'

+57-P.A.-28'

83

13'

12'



+55-54-28'
+44-51-30'

96 FC-29' 11' 12'

+75-PP-28'

+49-100-25'

95 FC-29' 11' 12' FC-32'

94 +01-RR-27' FC-28' 10' 11' FC-32'

93 10' 12'

+26-PP-27'

92 FC-28' 11' 12' FC-33'

+37-20' Willow - 21'
+29-Group 4-15 Willows - 25'

91 11' 12'

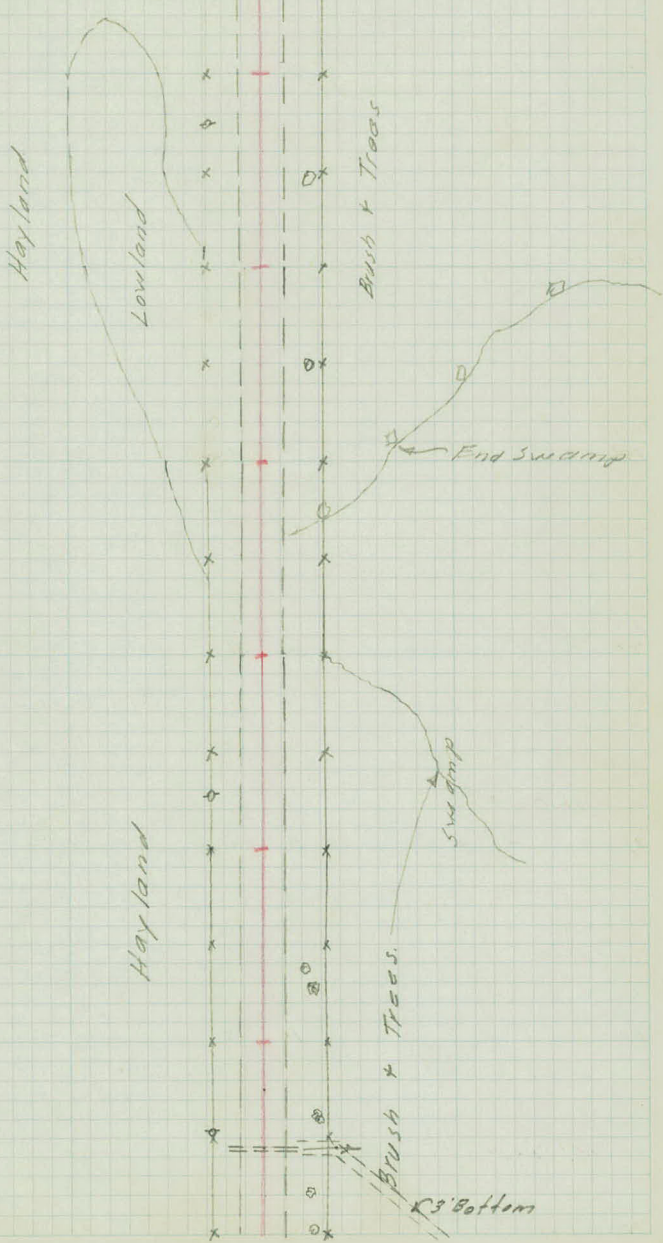
+15-Road Tie to Ditch
+2-12" Fur. W. Flow - 27'
+60-12" Willow - 28'

+58-PP-27'
+44-18" X 37' CM-

18' 19' Ditch - 37'

+21-36" Willow - 23'
+03-18" Willow - 25'
FC-33'

90 FC-27' 12' 12'



+77-PP-27'

+37-10"0.-18'

103 FC-26'

11' 12' FC-26'

+75-12"Q-21'

+66-5 1/2 p-20'

+48-8"Pop-25'

+40-15"0.-23'

+34-End 15" C.M.-30'

+22-8"0.-38'

+15-End G.R.-27'

G.R.-31'

+93-FC Cor-

+26-PP-17'

+25-End 15" C.M.-8'

+06-D in Fe.-7'

+50- 12' 15'

+25- 4' 16'

1' 23'

102

+88-D in Fe.-8'

+64-PP-16'

+75- 2' 21'

+75-80g G.R.-28'

+50 9' 14'

+25- 11' 10'

101 FC-30'

12' 11' FC-32'

+40-PP-27'

100 FC-29'

11' 11'

+22-PP-27'

99 FC-29'

11' 11' FC-32'

+44-5 1/2 p-29'

98 FC-29'

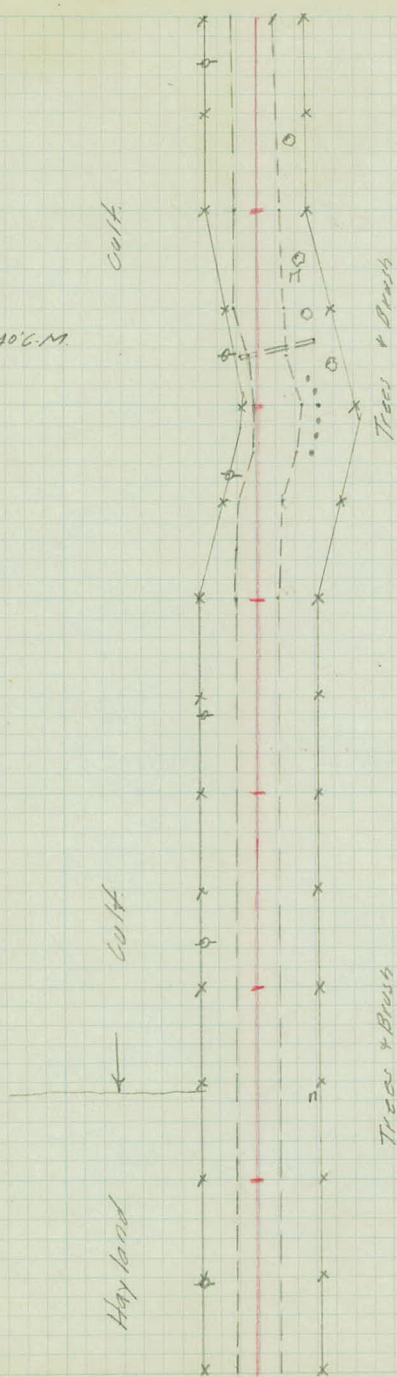
12' 10' +10-Ed. 5 1/2 p-16'

+49-PP-28'

97 FC-29'

12' 11' +19-5 1/2 p-31' FC-32'

X Draw 15" X 40' C.M.



110

15' 7'

+62-FC Cor -31'
 +53-Ent -12"X16" C.M. -27'
 +43-R.P. -28'
 +41-FC Cor -31'

+46-G.P. -19'

109

13' 8'

FC-26'

108

R.P. -28'

13' 8'

+58-Step -24'

+22-End 18" C.M. -22' 18"X37" C.M.

+13-6" Tw. Ash -24'

+08-12" Ash -29'

+18-End 18" C.M. -15'

107

FC -28'

15' 8'

FC -27'

+59-R.P. -28'

+81-8" Ash -23'

+51-8" P.A. -15'

+40-12" O. -17'

106

FC -28'

14' 8'

Step -24'

+91-Step -26'

+79-12" O. -21'

105

+19-R.P. -28'

FC -27'

14' 9'

+12-Step -24'

FC -26'

+82-Step -25'

+60-Step -24'

104

FC -26'

13' 9'

FC -26'

+23-Step -24'

to Farm Ho.



+90-PP-28'

+60-Row Willows-43'

+38-Orchard-45'

117

16' 4'

+76-Orchard-44'
+63-15" B.E.-40'

+60-Cor Pop-13'-22' str-30'-39'
+50-16" Pop-Orchard-45'
+39-10" Pop-
+35-Orchard-46'
+26-16" Pop-12'
+20-Orchard-30'

116

18' 4' 15" Pop

+14-PP-28'
+12-2" Pnc-40'
10" B.E.-40'
+79-10" B.E.-39'
+64-5" E Cor Ho-100'
+77-2" Pnc-39'
+61-10" B.E.-39'
+51-1" Pnc-39'
+43-8" B.E.-39'
+25-10" B.E.-39'
+11-Ent.
+97-Fc Cor-35'

+87-15" Pop-
+61-Pop-15" +74-Pop 15"
+55-10" Pop +49-15" Pop-
+30-5" W Cor Ho-62'
+22-Bog Row Pop-11'
+11-Ent 12'X16'X9-6'
18" Pop-11' sp-22'

115

18' 4'

+98-Fc Cor-26'
+71-str-23'

+47-PP-28'

+25-End Frost Heave
+00-Bog Frost Heave

114

Fc-32

17' 4'

+85-12" O-31'
+81-15" FWO-28'
+67-str-26'

113

Fc-32'

15' 4'

Fc-26'

+81-PP-28'

112

15' 6'

+12-PP-28'

111

Fc-30'

15' 7'

Fc-26'

2

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2-5/8
24

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11

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x

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x

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x

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x

x

x

books.

+44-PP-28'
~~+31-Fc Cor-28'~~

124 15' 5'
~~+94-18" X 32' C.M. X Drm 21'~~

+31-Fc Cor-28'

123 15' 6'
+94-18" X 32' C.M.
+76-PP-28' 21 11'

122 15' 5'

121 +09-PP-28'
Fc-28' 15' 6'

120 15' 7'

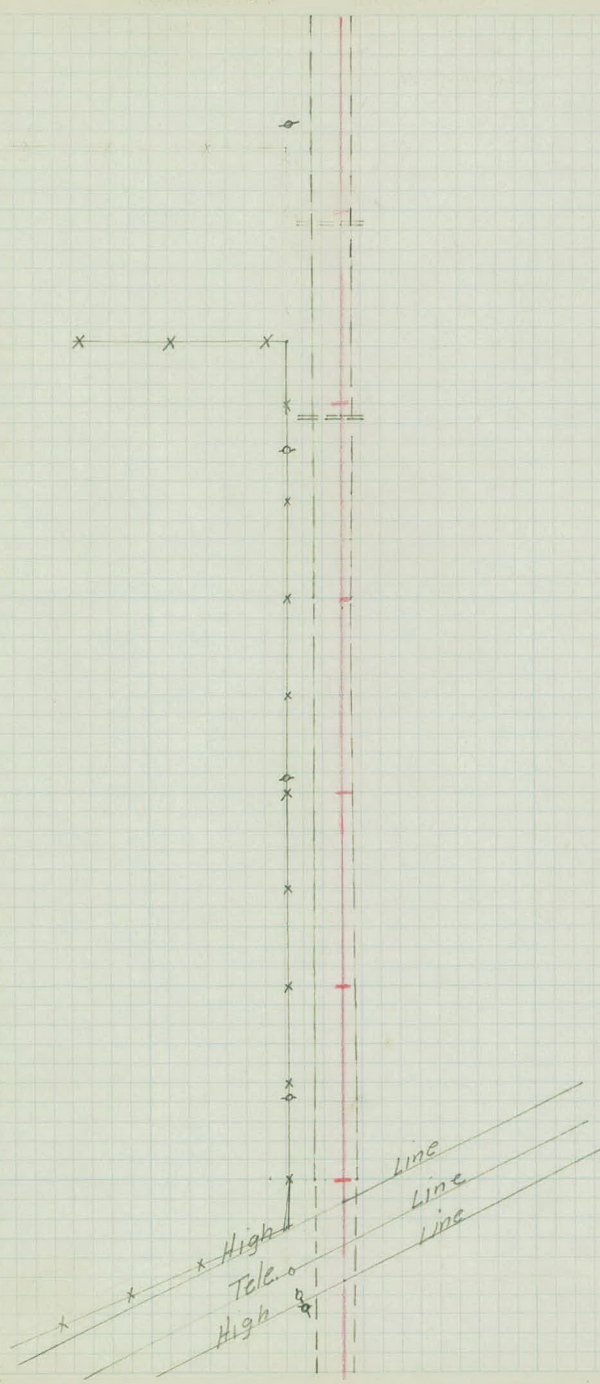
+41-PP-28'

119 Fc-29' 15' 7'

+87-High Line X 5 ft.

+89-Range Tie
+75-Fc Cor-29'
+53-TP-28'
+49-High Line X 6
+40-PP-24' 3/4" Pole.
+33-PP-20'

118 15' 5'



130

10' 13' +50

10' 11' +30.7

11' 9' +19-XR2590-17'

+56-X Drain 12' X 28' C.M.
+48-PP-28'

15' 13'

129

12' 8'

128

12' 8'

+80-PP-28'

127

12' 7'

126 +12-PP-28'

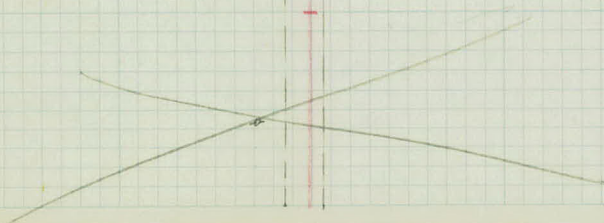
13' 7'

125

13' 7'

~~+44-PP-28'~~

14' 6'



Curve Topog. on next page.

+36- Edge Trav. Rdwy.

+09-End Eadr 32' 28'

133

+96- X Drain 15" X 46' C.M. - 24' 22'

+96- X Drain 15" X 46' C.M. - 24' 22'

+19-rf. 28'

132

8' 9'

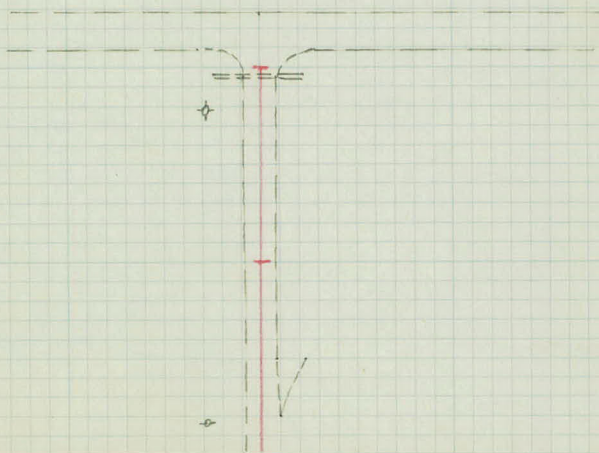
8'-23' +50

10' +20'

131

+16- P.P. - 28'

8'



18407 13' 13'

14' 15'

134

27' 17'

+39-End Rod-27'

+31-Des Rod-5'

17'

133 +13-PR-28'

4' 17'

5' 18'

132

5' 19'

3' 19'

131

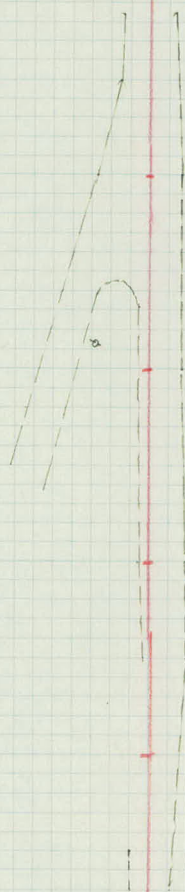
14'

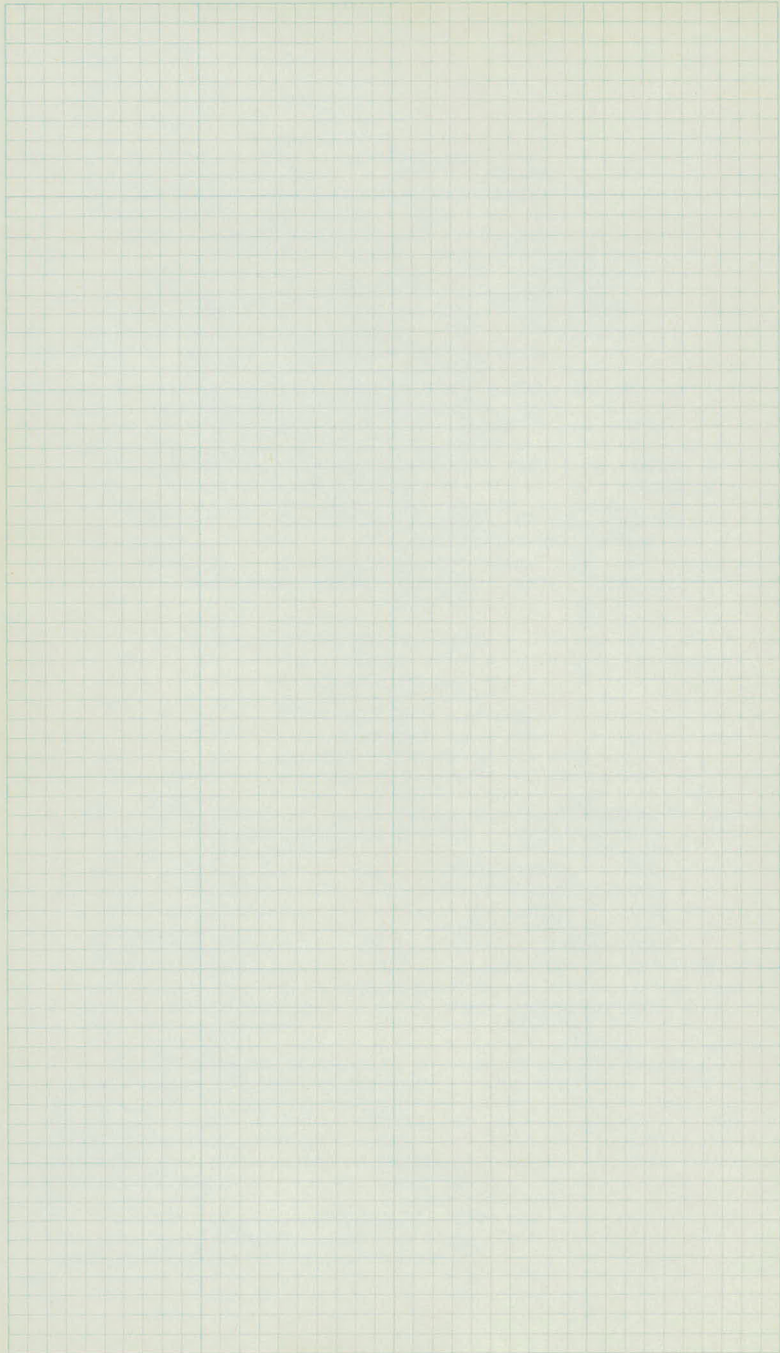
10' 11'

110.74

10' 11'

130





Bench Levels.

Sta	+	-	Elev	
B.M.	1.98	914.04		912.06
T.P.	2.20	908.22	8.02	906.02
T.P.	6.07	904.87	9.42	898.80
T.P.	8.20	909.73	3.34	901.53
T.P.	8.85	915.96	2.62	907.11
B.M.			5.94	910.02
T.P.	7.10	921.82 ✓	1.24	914.72 ✓
T.P.	4.83	919.70 ✓	6.95	914.87 ✓
B.M.	1.90	919.65	1.89	917.81 ✓ 917.75
T.P.	0.70	912.64	2.71	911.94
T.P.	2.84	906.08	9.40	903.24
B.M.			7.08	899.00
T.P.	5.20	904.03	7.25	898.83
T.P.	4.51	903.24	5.30	898.73
B.M.	7.60	909.14	1.70	901.54 901.54
T.P.	10.21	918.84	0.51	908.63
T.P.	3.39	921.67	0.56	918.28
B.M.	4.25	920.35	5.57	916.10
T.P.	1.39	910.72	11.02	909.33
T.P.	6.17	906.14	10.75	899.97
T.P.	8.85	911.81	3.18	902.96
T.P.	5.42	911.43	5.80	906.01
B.M.		911.43	6.41	905.02
T.P.	13.02	919.10	5.35	906.08

Cont.

Description

Top N.E. Cor. School Stop at Hodgson Rd. & Turtle Lake Rd.

$$U.S.G.S. T-6 = 910.40$$

$$\underline{6.16}$$

$$916.56$$

$$\underline{4.63}$$

$$B.M. = 911.93$$

Spike in 8" Oak 31' Rt. sta. 20+71

Spike in 4" Pole

Top Mont. sta 50+63.2 (ctr. sec. 1.) this B.M. O.K.

Top N.W. Cor. Lower Conc. Stop Front of Church

~~Spike in 16" Pipe Elms 25' Rt. sta. 80+50~~

~~Spike in~~

Spike in 30" Oak 29' Rt. sta. 103

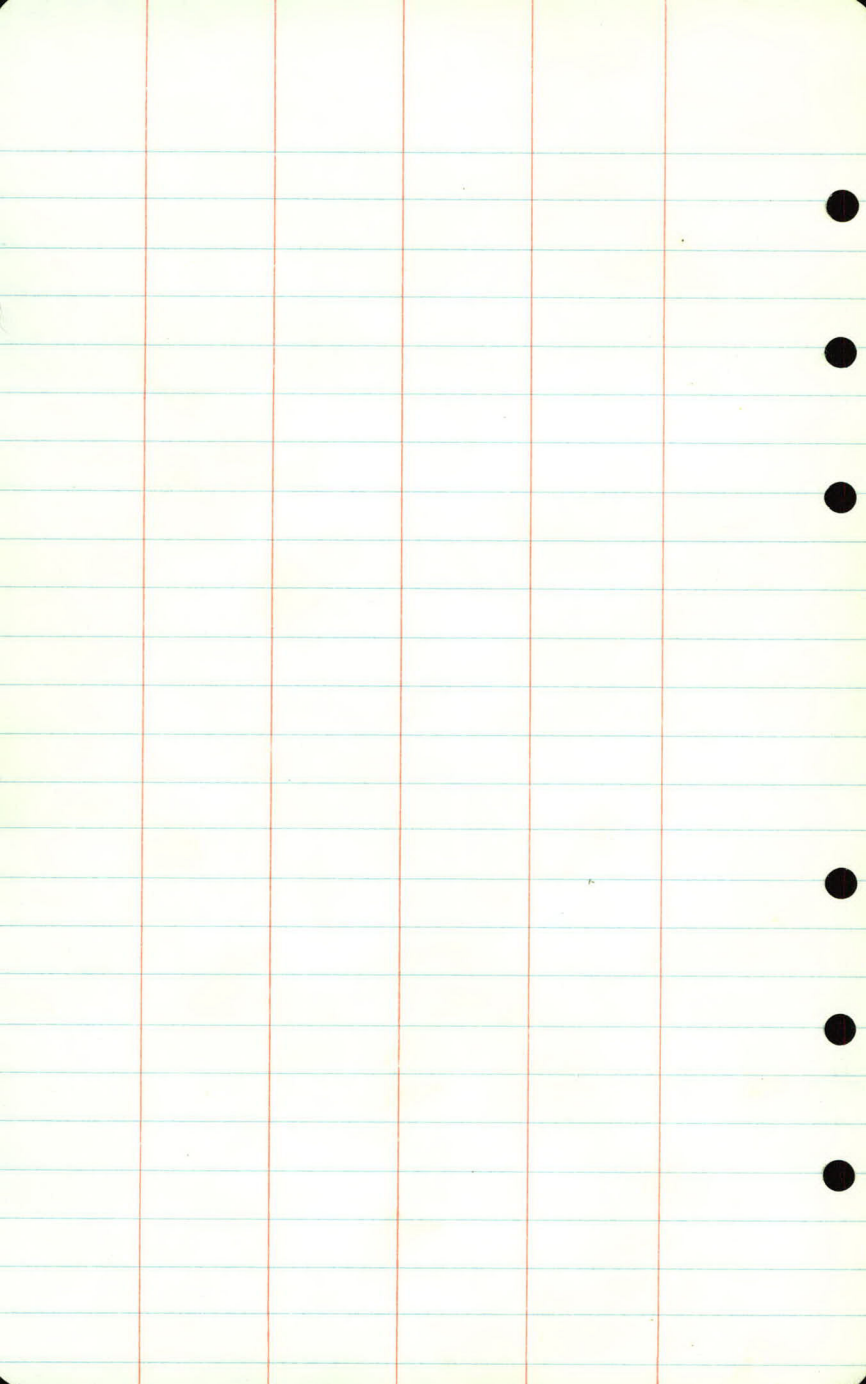
Sta.	+	Σ	-	Elev.
		919.10		
T.P.	10.88	929.64	0.34	918.76
B.M.		929.64	2.31	927.33
T.P.	0.48	922.76	7.36	922.28
T.P.	3.66	914.49	11.93	910.83
T.P.	4.34	912.58	6.25	908.24
T.P.	4.80	912.08	5.30	907.28
B.M.			5.46	906.62

Description

Spike in 20" Pop. 50 ft sta 115+20

Nail in PP #

Spike in T.P. 50 ft sta 132+90



Xsections

Lower Elev. 0.13' to agree with
U.S.G.S. Datum K.A. - 5.2747

Sta	+	π	-	Elev.
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USG new elev.

by K.A.
911.93
912.06

B.M.	1.19	913.27	912.08
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0	+00		
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	+16		
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	+27		
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	+34		
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	+60		
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1			
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	+29		
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	+74		
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2			
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Lt

&

Rt

Top N.E. Cor. School stop next to Bldg. at Hodgson Rd + Turtle Lake Rd.

$$\frac{3.4}{100} \quad \frac{2.9}{50} \quad \frac{2.6}{50} \quad \frac{2.6}{50} \quad \frac{2.3}{100}$$

$$\frac{3.6}{50} \quad \frac{3.3}{25} \quad \frac{2.6}{25} \quad \frac{3.0}{25} \quad \frac{2.7}{50}$$

$$\frac{4.6}{50} \quad \frac{4.1}{34} \quad \frac{3.8}{21} \quad \frac{2.9}{28} \quad \frac{4.0}{28} \quad \frac{3.7}{40} \quad \frac{4.1}{50}$$

$$\frac{2.4}{50} \quad \frac{3.3}{41} \quad \frac{3.2}{33} \quad \frac{4.1}{30} \quad \frac{3.8}{18} \quad \frac{2.9}{21} \quad \frac{4.1}{32} \quad \frac{3.4}{32} \quad \frac{3.3}{50}$$

$$\frac{2.7}{50} \quad \frac{3.5}{41} \quad \frac{3.5}{33} \quad \frac{4.5}{26} \quad \frac{4.1}{14} \quad \frac{3.8}{13} \quad \frac{4.4}{26} \quad \frac{5.1}{26} \quad \frac{2.9}{33} \quad \frac{2.8}{50}$$

$$\frac{2.5}{50} \quad \frac{3.5}{44} \quad \frac{3.7}{33} \quad \frac{5.1}{26} \quad \frac{4.9}{13} \quad \frac{4.4}{12} \quad \frac{5.1}{22} \quad \frac{6.0}{26} \quad \frac{5.4}{26} \quad \frac{2.7}{32} \quad \text{L.O.}$$

$$\frac{2.3}{50} \quad \frac{3.5}{43} \quad \frac{3.8}{32} \quad \frac{3.6}{26} \quad \frac{5.2}{14} \quad \frac{4.8}{12} \quad \frac{5.6}{12} \quad \frac{6.5}{21} \quad \frac{6.2}{24} \quad \frac{2.6}{32} \quad \frac{2.3}{50}$$

$$\frac{2.8}{50} \quad \frac{3.6}{43} \quad \frac{4.1}{32} \quad \frac{6.1}{26} \quad \frac{5.6}{13} \quad \frac{5.3}{11} \quad \frac{5.8}{24} \quad \frac{7.1}{24} \quad \frac{2.9}{32} \quad \frac{2.4}{50}$$

$$\frac{2.6}{50} \quad \frac{3.4}{44} \quad \frac{4.3}{32} \quad \frac{6.5}{25} \quad \frac{6.0}{12} \quad \frac{5.6}{11} \quad \frac{6.0}{11} \quad \frac{5.1}{22} \quad \frac{3.0}{33} \quad \frac{1.8}{41} \quad \frac{1.5}{50}$$

Sta	+	π	-	Elev
		913.27		
2	+50			
	+73			
3				
	+35			
	+15			
4	0.66	905.18	8.75	904.52
T.P.	+31			
	+68			
5				
	+50			

196 Ditch Profile at 000 22' RT 5+96

Lt

L

Rt

$$\frac{1.9}{50} \quad \frac{1.5}{40} \quad \frac{2.0}{35} \quad \frac{7.0}{22}$$

$$\frac{6.4}{15} \quad \frac{6.7}{23} \quad \frac{6.4}{38} \quad \frac{6.6}{50}$$

$$\frac{1.8}{50} \quad \frac{1.3}{40} \quad \frac{5.1}{37} \quad \frac{5.3}{34} \quad \frac{7.8}{29} \quad \frac{7.7}{22} \quad \frac{7.4}{15} \quad \frac{6.8}{10} \quad \frac{7.2}{22} \quad \frac{8.7}{33} \quad \frac{9.1}{33} \quad \frac{7.6}{50}$$

$$\frac{1.3}{50} \quad \frac{0.6}{40} \quad \frac{4.1}{35} \quad \frac{4.2}{34} \quad \frac{7.3}{27} \quad \frac{8.9}{21} \quad \frac{8.8}{17} \quad \frac{7.9}{14}$$

$$\frac{7.3}{11} \quad \frac{7.8}{22} \quad \frac{10.0}{35} \quad \frac{9.8}{35} \quad \frac{9.0}{50}$$

$$\frac{0.5}{50} \quad \frac{10.4}{40} \quad \frac{9.0}{35} \quad \frac{3.4}{34} \quad \frac{8.4}{25} \quad \frac{9.6}{21} \quad \frac{9.3}{17} \quad \frac{8.5}{14} \quad \frac{7.0}{14} \quad \frac{8.6}{13} \quad \frac{10.4}{20} \quad \frac{9.7}{32} \quad \frac{9.2}{50}$$

$$\frac{2.1}{50} \quad \frac{1.3}{37} \quad \frac{4.2}{34} \quad \frac{4.5}{33} \quad \frac{10.1}{22} \quad \frac{10.2}{18} \quad \frac{8.9}{14}$$

$$\frac{8.2}{11} \quad \frac{8.7}{20} \quad \frac{11.0}{27} \quad \frac{10.8}{36} \quad \frac{10.5}{36} \quad \frac{9.7}{50}$$

$$\frac{4.7}{50} \quad \frac{4.4}{40} \quad \frac{4.7}{33} \quad \frac{9.4}{25} \quad \frac{10.6}{22} \quad \frac{10.4}{18} \quad \frac{9.0}{14} \quad \frac{8.4}{12} \quad \frac{9.0}{12} \quad \frac{11.3}{18} \quad \frac{11.2}{23} \quad \frac{11.1}{33} \quad \frac{9.7}{50}$$

$$\frac{0.2}{50} \quad \frac{0.5}{32} \quad \frac{0.7}{27} \quad \frac{3.0}{22} \quad \frac{2.9}{19} \quad \frac{1.2}{14}$$

$$\frac{0.7}{13} \quad \frac{1.4}{18} \quad \frac{3.6}{18} \quad \frac{3.7}{24} \quad \frac{2.8}{27} \quad \frac{3.3}{50}$$

$$\frac{4.8}{50} \quad \frac{5.1}{32} \quad \frac{5.0}{19} \quad \frac{2.0}{12} \quad \frac{1.5}{12} \quad \frac{2.2}{18} \quad \frac{4.8}{37} \quad \frac{5.4}{37} \quad \frac{5.4}{50}$$

$$\frac{5.6}{50} \quad \frac{5.8}{33} \quad \frac{5.5}{19} \quad \frac{2.8}{13}$$

$$\frac{2.2}{14} \quad \frac{2.0}{19} \quad \frac{5.5}{19} \quad \frac{5.5}{36} \quad \frac{5.5}{50}$$

$$\frac{5.4}{50} \quad \frac{5.4}{33} \quad \frac{5.5}{24} \quad \frac{6.5}{22} \quad \frac{6.4}{18} \quad \frac{4.0}{14} \quad \frac{3.3}{13} \quad \frac{3.8}{18} \quad \frac{6.4}{24} \quad \frac{6.4}{24} \quad \frac{5.8}{25} \quad \frac{5.8}{50}$$

$$\frac{9.2}{22} \quad \frac{9.2}{50} \quad \frac{9.3}{100} \quad \frac{9.5}{150} \quad \frac{9.3}{200} \quad \frac{9.1}{250} \quad \frac{8.9}{300}$$

Sta	+	π	-	Elev
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		905.18		
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6				
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	+50			
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7				
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T.P	5.88	904.04	7.02	898.16
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	+50			
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8				
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	+50			
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9				
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	+37			
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	+83			
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	+93	FL 36" G.M.		
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	+95			
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Lt

L

Rt

$$\begin{array}{r} 60 \quad 62 \quad 62 \quad 75 \quad 75 \quad 54 \quad 47 \quad 52 \quad 92 \quad 92 \quad 66 \quad 66 \\ 50 \quad 33 \quad 27 \quad 24 \quad 20 \quad 14 \quad 13 \quad 19 \quad 24 \quad 24 \quad 41 \end{array} \quad L.O.$$

$$\begin{array}{r} 71 \quad 72 \quad 75 \quad 87 \quad 87 \quad 66 \quad 60 \quad 65 \quad 94 \quad 94 \quad 76 \quad 72 \\ 50 \quad 33 \quad 24 \quad 22 \quad 18 \quad 13 \quad 13 \quad 19 \quad 22 \quad 23 \quad 38 \end{array} \quad L.O.$$

$$\begin{array}{r} 74 \quad 77 \quad 80 \quad 93 \quad 93 \quad 67 \quad 44 \quad 72 \quad 96 \quad 96 \quad 83 \quad 78 \\ 50 \quad 33 \quad 25 \quad 21 \quad 17 \quad 13 \quad 13 \quad 18 \quad 22 \quad 24 \quad 37 \end{array} \quad L.O.$$

$$\begin{array}{r} 68 \quad 71 \quad 73 \quad 85 \quad 85 \quad 63 \quad 58 \quad 63 \quad 87 \quad 87 \quad 76 \quad 70 \\ 50 \quad 33 \quad 28 \quad 22 \quad 18 \quad 13 \quad 14 \quad 18 \quad 22 \quad 25 \quad 38 \end{array} \quad L.O.$$

$$\begin{array}{r} 70 \quad 75 \quad 78 \quad 97 \quad 97 \quad 63 \quad 55 \quad 59 \quad 91 \quad 91 \quad 78 \quad 72 \\ 50 \quad 32 \quad 23 \quad 21 \quad 17 \quad 13 \quad 13 \quad 18 \quad 21 \quad 27 \quad 34 \end{array} \quad L.O.$$

$$\begin{array}{r} 73 \quad 73 \quad 77 \quad 86 \quad 96 \quad 62 \quad 55 \quad 58 \quad 91 \quad 91 \quad 77 \quad 71 \quad 68 \\ 50 \quad 32 \quad 24 \quad 22 \quad 17 \quad 14 \quad 13 \quad 19 \quad 23 \quad 25 \quad 32 \quad 30 \end{array}$$

$$\begin{array}{r} 71 \quad 77 \quad 91 \quad 91 \quad 61 \quad 56 \quad 58 \quad 91 \quad 91 \quad 76 \quad 74 \quad 70 \\ 50 \quad 27 \quad 23 \quad 18 \quad 13 \quad 13 \quad 19 \quad 22 \quad 26 \quad 32 \quad 30 \end{array}$$

$$\begin{array}{r} 69 \quad 68 \quad 84 \quad 84 \quad 60 \quad 53 \quad 55 \quad 89 \quad 89 \quad 69 \quad 70 \\ 50 \quad 28 \quad 22 \quad 18 \quad 13 \quad 19 \quad 20 \quad 23 \quad 26 \quad 30 \end{array}$$

$$\begin{array}{r} 69 \quad 65 \quad 82 \quad 82 \quad 59 \\ 50 \quad 27 \quad 24 \quad 20 \quad 13 \end{array}$$

$$\begin{array}{r} 45 \quad 53 \quad 86 \quad 86 \quad 60 \\ 15 \quad 19 \quad 23 \quad 25 \end{array}$$

8.598.95

$$\begin{array}{r} 82 \quad 84 \quad 82 \quad 50 \quad 43 \quad 48 \quad 84 \quad 85 \\ 50 \quad 32 \quad 16 \quad 13 \quad 14 \quad 19 \quad 30 \end{array}$$

Sta	+	π	-	Elev
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		904.04		
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	+97 F.L 34" C.M.			
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10

	+24			
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	+67			
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11

	+50			
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12

	+30			
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	+62			
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13

	+29			
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B.M.

4.34

899.70

Lt

E

Pt.

872870
 $\frac{66}{50} \frac{64}{29} \frac{77}{27} \frac{84}{24} \frac{84}{21} \frac{80}{19} \frac{50}{12} \frac{43}{13} \frac{47}{13} \frac{84}{21} \frac{84}{24} \frac{68}{27} \frac{49}{50}$
 $\frac{62}{50} \frac{63}{32} \frac{61}{28} \frac{78}{25} \frac{78}{19} \frac{51}{14} \frac{42}{13} \frac{48}{13} \frac{69}{17} \frac{82}{22} \frac{62}{30} \frac{66}{50}$
 $\frac{63}{50} \frac{63}{32} \frac{63}{26} \frac{80}{23} \frac{80}{19} \frac{59}{15} \frac{50}{13} \frac{53}{13} \frac{82}{20} \frac{82}{23} \frac{65}{28} \frac{66}{50}$
 $\frac{63}{50} \frac{66}{32} \frac{73}{24} \frac{87}{20} \frac{85}{17} \frac{60}{14} \frac{55}{14} \frac{56}{18} \frac{82}{22} \frac{82}{27} \frac{68}{27} \frac{67}{50}$
 $\frac{64}{50} \frac{65}{32} \frac{66}{24} \frac{87}{21} \frac{87}{17} \frac{60}{13} \frac{53}{13} \frac{56}{18} \frac{83}{21} \frac{83}{25} \frac{64}{25} \frac{60}{50}$
 $\frac{62}{50} \frac{62}{28} \frac{69}{23} \frac{78}{21} \frac{80}{17} \frac{55}{13} \frac{45}{13} \frac{51}{13} \frac{79}{18} \frac{79}{21} \frac{65}{26} \frac{60}{50}$
 $\frac{60}{50} \frac{62}{33} \frac{62}{20} \frac{69}{18} \frac{69}{16} \frac{45}{13} \frac{36}{12} \frac{42}{12} \frac{71}{19} \frac{70}{22} \frac{57}{25} \frac{64}{50}$
 $\frac{52}{50} \frac{54}{36} \frac{56}{17} \frac{33}{11} \frac{26}{14} \frac{30}{19} \frac{55}{23} \frac{55}{24} \frac{47}{24} \frac{47}{50}$
 $\frac{49}{50} \frac{45}{28} \frac{45}{20} \frac{49}{14} \frac{26}{10} \frac{21}{13} \frac{23}{13} \frac{45}{18} \frac{47}{34} \frac{50}{50}$
 $\frac{50}{50} \frac{46}{29} \frac{46}{15} \frac{24}{10} \frac{49}{13} \frac{23}{17} \frac{45}{31} \frac{50}{50} \frac{44}{50}$

Sta.	+	π	-	Elev.
B.M.	14.01	913.71		899.70

13 +68

14

+50

15

+50

I.P.	7.12	911.52	9.31	904.40
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16

+50

17

+50

18

+50

Lt

C

Pt.

Top Conc. Base at Fc. Cor. High Pt. 0.8' N.W. of Fc. Post

$$\frac{133}{50} \quad \frac{134}{33} \quad \frac{128}{23} \quad \frac{134}{21} \quad \frac{131}{13} \quad \frac{115}{10} \quad \frac{109}{-} \quad \frac{117}{14} \quad \frac{133}{16} \quad \frac{133}{20} \quad \frac{110}{28} \quad \frac{97}{35} \quad \frac{93}{50}$$

$$\frac{94}{50} \quad \frac{87}{30} \quad \frac{126}{22} \quad \frac{129}{14} \quad \frac{111}{10} \quad \frac{106}{-} \quad \frac{108}{8} \quad \frac{113}{14} \quad \frac{127}{16} \quad \frac{127}{21} \quad \frac{102}{25} \quad \frac{55}{33} \quad \frac{53}{36} \quad \frac{51}{50}$$

$$\frac{36}{50} \quad \frac{37}{39} \quad \frac{119}{23} \quad \frac{121}{14} \quad \frac{108}{10} \quad \frac{102}{-} \quad \frac{103}{8} \quad \frac{106}{14} \quad \frac{119}{17} \quad \frac{119}{21} \quad \frac{97}{25} \quad \frac{27}{33} \quad \frac{20}{36} \quad \frac{31}{50}$$

$$\frac{21}{50} \quad \frac{23}{40} \quad \frac{118}{24} \quad \frac{114}{13} \quad \frac{101}{9} \quad \frac{97}{-} \quad \frac{97}{7} \quad \frac{101}{14} \quad \frac{110}{16} \quad \frac{111}{21} \quad \frac{1.3}{33} \quad \frac{1.0}{39} \quad \frac{1.8}{50}$$

$$\frac{1.8}{50} \quad \frac{24}{36} \quad \frac{112}{22} \quad \frac{112}{12} \quad \frac{97}{8} \quad \frac{91}{-} \quad \frac{91}{7} \quad \frac{94}{14} \quad \frac{106}{16} \quad \frac{106}{20} \quad \frac{1.4}{33} \quad \frac{14}{41} \quad \frac{21}{50}$$

$$\frac{1.6}{50} \quad \frac{12}{41} \quad \frac{1.6}{34} \quad \frac{88}{22} \quad \frac{89}{13} \quad \frac{71}{10} \quad \frac{63}{-} \quad \frac{63}{7} \quad \frac{67}{14} \quad \frac{84}{18} \quad \frac{84}{21} \quad \frac{58}{27} \quad \frac{13}{33} \quad \frac{0.7}{36} \quad \frac{1.6}{50}$$

$$\frac{38}{50} \quad \frac{38}{39} \quad \frac{50}{28} \quad \frac{79}{26} \quad \frac{79}{14} \quad \frac{64}{10} \quad \frac{57}{-} \quad \frac{56}{9} \quad \frac{60}{14} \quad \frac{78}{18} \quad \frac{79}{21} \quad \frac{66}{27} \quad \frac{30}{32} \quad \frac{2.5}{35} \quad \frac{30}{50}$$

$$\frac{5.5}{50} \quad \frac{54}{37} \quad \frac{57}{27} \quad \frac{74}{25} \quad \frac{74}{13} \quad \frac{61}{10} \quad \frac{53}{-} \quad \frac{53}{7} \quad \frac{57}{13} \quad \frac{72}{17} \quad \frac{72}{21} \quad \frac{50}{27} \quad \frac{42}{39} \quad \frac{45}{50}$$

$$\frac{53}{50} \quad \frac{58}{36} \quad \frac{62}{26} \quad \frac{62}{25} \quad \frac{72}{12} \quad \frac{56}{9} \quad \frac{49}{-} \quad \frac{49}{8} \quad \frac{54}{14} \quad \frac{70}{17} \quad \frac{70}{20} \quad \frac{65}{21} \quad \frac{54}{35} \quad \frac{62}{50}$$

$$\frac{47}{50} \quad \frac{59}{34} \quad \frac{65}{24} \quad \frac{71}{14} \quad \frac{5.1}{9} \quad \frac{46}{-} \quad \frac{55}{14} \quad \frac{76}{18} \quad \frac{76}{34} \quad \text{L.O.}$$

$$\frac{2.9}{50} \quad \frac{51}{35} \quad \frac{65}{24} \quad \frac{68}{14} \quad \frac{47}{9} \quad \frac{44}{-} \quad \frac{53}{13} \quad \frac{82}{18} \quad \frac{84}{35} \quad \text{L.O.}$$

Sta	+	π	-	Elev
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		911.52		
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19				
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T.P.	8.28	915.61	4.19	907.33
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+50				
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20				
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+40				
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171.29				
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21				
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+11				
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+25				
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+36				
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+40				
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+60				
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B.M.			5.59	
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				910.02
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lt k rt

$\frac{16}{50}$ $\frac{33}{33}$ $\frac{43}{20}$ $\frac{53}{16}$ $\frac{53}{14}$ $\frac{46}{11}$ $\frac{42}{13}$ $\frac{51}{18}$ $\frac{72}{23}$ $\frac{73}{27}$ $\frac{45}{34}$ $\frac{62}{50}$ $\frac{58}{50}$

$\frac{41}{50}$ $\frac{52}{34}$ $\frac{64}{19}$ $\frac{92}{15}$ $\frac{92}{13}$ $\frac{85}{17}$ $\frac{79}{13}$ $\frac{88}{19}$ $\frac{110}{22}$ $\frac{110}{27}$ $\frac{80}{33}$ $\frac{78}{33}$ L.O.

S.S. $\frac{28}{29}$ $\frac{43}{23}$ $\frac{79}{16}$ $\frac{72}{12}$ $\frac{77}{12}$ $\frac{103}{18}$ $\frac{104}{23}$ $\frac{79}{27}$ $\frac{80}{33}$ $\frac{9.9}{50}$

$\frac{07}{50}$ $\frac{24}{29}$ $\frac{63}{21}$ $\frac{72}{15}$ $\frac{64}{10}$ $\frac{69}{18}$ $\frac{98}{22}$ $\frac{97}{26}$ $\frac{6.8}{33}$ $\frac{70}{33}$ $\frac{84}{50}$

$\frac{03}{50}$ $\frac{22}{30}$ $\frac{33}{30}$ $\frac{40}{25}$ $\frac{66}{20}$ $\frac{57}{6}$ $\frac{59}{7}$ $\frac{65}{14}$ $\frac{92}{20}$ $\frac{92}{24}$ $\frac{65}{50}$ $\frac{78}{50}$

$\frac{07}{50}$ $\frac{1.8}{35}$ $\frac{60}{28}$ $\frac{51}{15}$ $\frac{53}{3}$ $\frac{5.5}{10}$ $\frac{89}{16}$ $\frac{90}{19}$ $\frac{64}{34}$ $\frac{74}{34}$ $\frac{80}{50}$

$\frac{1.0}{50}$ $\frac{20}{38}$ $\frac{59}{33}$ $\frac{48}{19}$ $\frac{53}{19}$ $\frac{88}{8}$ $\frac{87}{15}$ $\frac{65}{18}$ $\frac{78}{35}$ $\frac{90}{50}$

$\frac{1.3}{50}$ $\frac{54}{43}$ $\frac{45}{28}$ $\frac{47}{13}$ $\frac{75}{16}$ $\frac{81}{20}$ $\frac{77}{20}$ $\frac{94}{50}$

$\frac{4.8}{50}$ $\frac{43}{37}$ $\frac{46}{22}$ $\frac{61}{12}$ $\frac{70}{10}$ $\frac{78}{10}$ $\frac{69}{11}$ $\frac{71}{19}$ $\frac{92}{50}$

$\frac{43}{50}$ $\frac{42}{40}$ $\frac{45}{24}$ $\frac{72}{14}$ $\frac{74}{7}$ $\frac{60}{10}$ $\frac{21}{19}$ $\frac{92}{50}$

$\frac{42}{50}$ $\frac{42}{46}$ $\frac{55}{39}$ $\frac{57}{33}$ $\frac{44}{31}$ $\frac{43}{16}$ $\frac{64}{16}$ $\frac{73}{37}$ $\frac{79}{50}$ $\frac{95}{50}$

Spl. in 8'0. 31' Rt sta 20+71

Sta	+	π	-	Elev.	
B.M.	3.68	913.70			910.02
22					
	+50				
23					
	+50				
24					
	+50				
25					
	+35				
	+50				
I.P.	2.42	907.80	8.32	905.38	
26					
	+50				

Lt.

R.

Rt.

Spike in 8" O. 31' Rt. sta. 20+71

$$\frac{28}{50} \quad \frac{40}{28} \quad \frac{5.5}{24} \quad \frac{61}{50} \quad \frac{6.3}{50}$$

$$\frac{41}{50} \quad \frac{49}{25} \quad \frac{57}{31} \quad \frac{63}{50} \quad \frac{67}{50}$$

$$\frac{43}{50} \quad \frac{48}{26} \quad \frac{54}{25} \quad \frac{57}{25} \quad \frac{67}{50}$$

$$\frac{48}{50} \quad \frac{59}{24} \quad \frac{65}{26} \quad \frac{72}{26} \quad \frac{78}{50}$$

$$\frac{59}{50} \quad \frac{74}{25} \quad \frac{78}{25} \quad \frac{88}{25} \quad \frac{98}{50}$$

$$\frac{70}{50} \quad \frac{77}{26} \quad \frac{83}{27} \quad \frac{92}{27} \quad \frac{105}{50}$$

$$\frac{74}{50} \quad \frac{82}{25} \quad \frac{82}{8} \quad \frac{86}{18} \quad \frac{86}{22} \quad \frac{100}{22} \quad \frac{117}{50}$$

$$\frac{77}{50} \quad \frac{84}{27} \quad \frac{96}{8} \quad \frac{111}{28} \quad \frac{112}{28} \quad \frac{121}{50}$$

$$\frac{78}{50} \quad \frac{90}{26} \quad \frac{87}{7} \quad \frac{113}{26} \quad \frac{113}{26} \quad \frac{131}{50}$$

$$\frac{26}{50} \quad \frac{2.0}{31} \quad \frac{40}{21} \quad \frac{52}{28} \quad \frac{71}{28} \quad \frac{80}{50}$$

$$\frac{35}{50} \quad \frac{44}{37} \quad \frac{56}{19} \quad \frac{59}{19} \quad \frac{60}{35} \quad \frac{63}{35} \quad \frac{66}{50}$$

Sta	+	π	-	Elev.
		907.80		

27

+50

28

T.P.	10.40	912.75	5.45	902.35
	+50			

Levels in easterly direction from 50' Pt sta 28+50 (00 = 50' Pt 28+50)

29

+42

+74

30

+38

+75

T.P.	7.10	919.59	0.26	912.49
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Lt

L

Rt

$$\frac{75}{50} \quad \frac{73}{26} \quad \frac{76}{25} \quad \frac{71}{25} \quad \frac{76}{50}$$

$$\frac{75}{50} \quad \frac{76}{25} \quad \frac{72}{25} \quad \frac{78}{25} \quad \frac{81}{50}$$

$$\frac{74}{50} \quad \frac{74}{27} \quad \frac{74}{29} \quad \frac{80}{50} \quad \frac{83}{50}$$

$$\frac{126}{50} \quad \frac{124}{25} \quad \frac{121}{25} \quad \frac{130}{25} \quad \frac{131}{50}$$

$$\frac{126}{25} \quad \frac{132}{50} \quad \frac{142}{100} \quad \frac{148}{150} \quad \frac{148}{200} \quad \frac{152}{250} \quad \frac{164}{300} \quad \frac{166}{350} \quad \frac{163}{400} \quad \frac{172}{450} \quad \text{Drains S. E.}$$

$$\frac{107}{50} \quad \frac{108}{25} \quad \frac{112}{25} \quad \frac{108}{25} \quad \frac{104}{50}$$

$$\frac{74}{50} \quad \frac{84}{26} \quad \frac{94}{9} \quad \frac{96}{28} \quad \frac{106}{28} \quad \frac{108}{50}$$

$$\frac{64}{27} \quad \frac{64}{27} \quad \frac{72}{6} \quad \frac{74}{4} \quad \frac{78}{27} \quad \frac{87}{27} \quad \frac{96}{50}$$

$$\frac{43}{50} \quad \frac{58}{24} \quad \frac{54}{5} \quad \frac{59}{5} \quad \frac{61}{23} \quad \frac{72}{23} \quad \frac{90}{50}$$

$$\frac{12}{50} \quad \frac{28}{25} \quad \frac{34}{5} \quad \frac{37}{5} \quad \frac{41}{5} \quad \frac{56}{26} \quad \frac{73}{50}$$

$$\frac{03}{50} \quad \frac{08}{26} \quad \frac{12}{3} \quad \frac{16}{5} \quad \frac{23}{5} \quad \frac{41}{25} \quad \frac{60}{50}$$

Sta	+	π	-	Elev.
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		919.59		
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31

+50

32

+50

B.M.

2.62

920.38

1.84

917.75

(917.76)

33

+50

34

+50

35

+50

36

Lt.

R.

Rt.

$$\frac{65}{50} \frac{76}{27} \frac{74}{6} \frac{76}{4} \frac{80}{4} \frac{102}{28} \frac{120}{50}$$

$$\frac{66}{50} \frac{69}{23} \frac{64}{7} \frac{68}{6} \frac{78}{29} \frac{88}{50} \frac{93}{50}$$

$$\frac{57}{50} \frac{69}{26} \frac{60}{6} \frac{62}{6} \frac{72}{28} \frac{71}{50} \frac{77}{50}$$

$$\frac{56}{50} \frac{56}{33} \frac{59}{5} \frac{62}{4} \frac{63}{26} \frac{74}{50} \frac{80}{50}$$

spike in 4" Pole. 34' Lt. str. 36+15

$$\frac{98}{50} \frac{90}{38} \frac{85}{35} \frac{72}{33} \frac{61}{20} \frac{56}{3} \frac{58}{3} \frac{59}{4} \frac{66}{12} \frac{69}{32} \frac{78}{50} \frac{8.2}{50}$$

$$\frac{98}{50} \frac{94}{39} \frac{80}{24} \frac{69}{21} \frac{60}{6} \frac{60}{12} \frac{63}{15} \frac{77}{35} \frac{77}{50} \frac{79}{50}$$

Pothole.

$$\frac{100}{50} \frac{98}{33} \frac{86}{22} \frac{70}{15}$$

$$\frac{60}{13} \frac{66}{16} \frac{80}{20} \frac{83}{37} \frac{83}{50} \frac{79}{50}$$

$$\frac{75}{50} \frac{78}{36} \frac{72}{17} \frac{65}{13} \frac{59}{13} \frac{66}{18} \frac{80}{36} \frac{74}{50} \frac{71}{50}$$

$$\frac{53}{50} \frac{52}{57} \frac{51}{20} \frac{69}{15} \frac{64}{12} \frac{58}{11} \frac{62}{18} \frac{63}{23} \frac{67}{35} \frac{64}{50} \frac{63}{50}$$

$$\frac{27}{50} \frac{36}{32} \frac{36}{20} \frac{64}{15} \frac{64}{13} \frac{60}{12} \frac{55}{13} \frac{58}{19} \frac{51}{34} \frac{49}{50} \frac{52}{50}$$

$$\frac{12}{50} \frac{10}{38} \frac{25}{30} \frac{34}{19} \frac{45}{13} \frac{57}{10}$$

$$\frac{52}{13} \frac{57}{18} \frac{50}{34} \frac{45}{50} \frac{47}{50}$$

Sta	+	π	-	Elev
		920.38		

36	+41			
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37				
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	+50			
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38				
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	+19			
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	+7.3			
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39				
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	+50			
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40				
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T.P.	6.16	921.14	5.40	914.98
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	+50			
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41				
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Lt

E

Rt

$$\frac{01}{50} \frac{104}{35} \frac{04}{32} \frac{08}{22} \frac{57}{76} \frac{5753}{72} \frac{58}{73} \frac{57}{77} \frac{54}{19} \frac{54}{35} \frac{51}{50}$$

$$\frac{10}{50} \frac{24}{36} \frac{35}{30} \frac{34}{20} \frac{62}{74}$$

$$\frac{56}{14} \frac{63}{18} \frac{60}{34} \frac{64}{50}$$

$$\frac{50}{50} \frac{57}{32} \frac{62}{19} \frac{66}{13} \frac{61}{11} \frac{57}{73} \frac{65}{15} \frac{72}{19} \frac{70}{37} \frac{66}{50} \frac{68}{50}$$

$$\frac{74}{50} \frac{77}{28} \frac{70}{16} \frac{66}{15} \frac{62}{11}$$

$$\frac{58}{14} \frac{68}{16} \frac{72}{19} \frac{69}{36} \frac{66}{50} \frac{63}{50}$$

$$\frac{67}{50} \frac{71}{36} \frac{70}{22} \frac{67}{79} \frac{68}{15} \frac{64}{72} \frac{49}{72} \frac{65}{15} \frac{72}{18} \frac{67}{40} \frac{60}{50} \frac{60}{50}$$

$$\frac{49}{50} \frac{46}{36} \frac{41}{22} \frac{70}{16} \frac{65}{12} \frac{60}{11} \frac{68}{15} \frac{68}{21} \frac{38}{35} \frac{35}{50} \frac{38}{50}$$

$$\frac{40}{50} \frac{33}{37} \frac{27}{23} \frac{69}{15} \frac{67}{11}$$

$$\frac{61}{10} \frac{67}{15} \frac{66}{22} \frac{24}{35} \frac{25}{50} \frac{24}{50}$$

$$\frac{26}{50} \frac{18}{25} \frac{66}{17} \frac{71}{15} \frac{64}{70} \frac{67}{14} \frac{69}{17} \frac{58}{24} \frac{14}{36} \frac{13}{50} \frac{11}{50}$$

$$\frac{28}{50} \frac{26}{24} \frac{77}{74} \frac{74}{72}$$

$$\frac{68}{12} \frac{72}{14} \frac{73}{22} \frac{28}{39} \frac{23}{50} \frac{21}{50}$$

Nail in G.R.

$$\frac{40}{50} \frac{36}{37} \frac{31}{23} \frac{90}{14} \frac{82}{12} \frac{85}{16} \frac{86}{24} \frac{32}{39} \frac{29}{50} \frac{26}{50}$$

$$\frac{69}{50} \frac{62}{36} \frac{57}{23} \frac{97}{17} \frac{71}{11} \frac{88}{9} \frac{91}{16} \frac{93}{23} \frac{38}{40} \frac{30}{50} \frac{26}{50}$$

Sta	+	π	-	Elev
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		921.14		
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41	+50			
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42				
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T.P	2.49	913.22	10.41	910.73
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+50		$\begin{array}{r} 46 \\ \hline 908.6 \end{array}$		
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43				
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+50				
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44				
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+50				
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45				
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+50				
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T.P	2.79	906.39	9.62	903.60
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46				
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T.P				
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+50				
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Lt

A

Rt

$$\begin{array}{r} 121 \quad 110 \quad 96 \quad 107 \quad 102 \quad 95 \quad 99 \quad 103 \quad 93 \quad 72 \quad 65 \quad 56 \\ 50 \quad 33 \quad 20 \quad 16 \quad 12 \quad 9 \quad 13 \quad 14 \quad 20 \quad 36 \quad 50 \end{array}$$

$$\begin{array}{r} 158 \quad 148 \quad 128 \quad 128 \quad 114 \quad 104 \quad 108 \quad 104 \quad 109 \quad 90 \quad 80 \\ 50 \quad 34 \quad 23 \quad 16 \quad 14 \quad 10 \quad 13 \quad 16 \quad 30 \quad 50 \end{array}$$

$$\begin{array}{r} 103 \quad 88 \quad 77 \quad 41 \quad 36 \quad 42 \quad 50 \quad 48 \quad 2.5 \\ 50 \quad 28 \quad 18 \quad 13 \quad 14 \quad 14 \quad 25 \quad 50 \end{array}$$

$$\begin{array}{r} 113 \quad 95 \quad 92 \quad 55 \quad 46 \quad 52 \quad 71 \quad 75 \quad 58 \\ 50 \quad 25 \quad 18 \quad 13 \quad 12 \quad 15 \quad 26 \quad 50 \end{array}$$

$$\begin{array}{r} 95 \quad 87 \quad 82 \quad 63 \quad 55 \quad 58 \quad 75 \quad 75 \quad 75 \quad 54 \\ 50 \quad 27 \quad 16 \quad 13 \quad 11 \quad 14 \quad 20 \quad 21 \quad 50 \end{array}$$

$$\begin{array}{r} 75 \quad 77 \quad 77 \quad 88 \quad 88 \quad 71 \quad 62 \quad 67 \quad 78 \quad 78 \quad 70 \quad 72 \quad 57 \quad 43 \\ 50 \quad 29 \quad 22 \quad 19 \quad 17 \quad 13 \quad 13 \quad 14 \quad 17 \quad 18 \quad 24 \quad 34 \quad 50 \end{array}$$

$$\begin{array}{r} 75 \quad 77 \quad 83 \quad 93 \quad 94 \quad 78 \quad 71 \quad 75 \quad 86 \quad 86 \quad 75 \quad 71 \quad 60 \\ 50 \quad 33 \quad 23 \quad 20 \quad 17 \quad 12 \quad 12 \quad 14 \quad 17 \quad 18 \quad 28 \quad 50 \end{array}$$

$$\begin{array}{r} 86 \quad 89 \quad 88 \quad 98 \quad 99 \quad 87 \quad 80 \quad 86 \quad 100 \quad 100 \quad 102 \quad 92 \quad 96 \\ 50 \quad 30 \quad 21 \quad 18 \quad 16 \quad 13 \quad 12 \quad 15 \quad 18 \quad 23 \quad 35 \quad 50 \end{array}$$

$$\begin{array}{r} 124 \quad 122 \quad 119 \quad 96 \quad 89 \quad 95 \quad 120 \quad 121 \quad 120 \\ 50 \quad 30 \quad 18 \quad 12 \quad 12 \quad 12 \quad 17 \quad 29 \quad 50 \end{array}$$

$$\begin{array}{r} 80 \quad 68 \quad 61 \quad 38 \quad 28 \quad 37 \quad 58 \quad 62 \quad 64 \\ 50 \quad 27 \quad 18 \quad 13 \quad 13 \quad 16 \quad 28 \quad 50 \end{array}$$

$$\begin{array}{r} 86 \quad 79 \quad 65 \quad 44 \quad 35 \quad 41 \quad 57 \quad 59 \quad 58 \\ 50 \quad 35 \quad 17 \quad 13 \quad 13 \quad 16 \quad 26 \quad 50 \end{array}$$

Sta	+	π	-	Elev.	
		906.39			
47					
	+50				
48					
	+50				
49					
	+30				
	+63.58				
B.M.	4.93	903.93	7.37	899.02	899.02
50					
	+25				
	+50				
	+75				

Lt

E

Rt

$$\begin{array}{ccccccc}
 \frac{92}{50} & \frac{85}{30} & \frac{79}{20} & 52 & & & \\
 \frac{65}{50} & \frac{68}{48} & \frac{70}{78} & \frac{65}{76} & \frac{49}{73} & \frac{41}{13} & \frac{65}{50} \\
 \frac{68}{78} & \frac{70}{76} & \frac{65}{73} & & & &
 \end{array}$$

$$\frac{66}{50} \quad \frac{64}{24} \quad \frac{63}{15} \quad \frac{54}{13} \quad \frac{47}{13} \quad \frac{56}{15} \quad \frac{69}{26} \quad \frac{76}{50} \quad \frac{74}{50}$$

$$\frac{73}{50} \quad \frac{68}{30} \quad \frac{66}{20} \quad \frac{68}{16} \quad \frac{57}{13} \quad \frac{50}{12} \quad \frac{60}{14} \quad \frac{70}{22} \quad \frac{69}{40} \quad \frac{72}{50}$$

$$\frac{91}{50} \quad \frac{87}{23} \quad \frac{82}{17} \quad \frac{63}{13} \quad \frac{54}{11} \quad \frac{60}{11} \quad \frac{83}{16} \quad \frac{81}{22} \quad \frac{78}{32} \quad \frac{77}{50}$$

$$\frac{80}{50} \quad \frac{75}{36} \quad \frac{76}{18} \quad \frac{62}{14} \quad \frac{57}{11} \quad \frac{64}{15} \quad \frac{81}{24} \quad \frac{83}{50} \quad \frac{79}{50}$$

$$\frac{76}{50} \quad \frac{66}{30} \quad \frac{90}{25} \quad \frac{86}{20} \quad \frac{66}{14} \quad \frac{58}{11} \quad \frac{66}{14} \quad \frac{79}{17} \quad \frac{83}{21} \quad \frac{69}{32} \quad \frac{75}{50} \quad \frac{74}{50}$$

$$\frac{63}{50} \quad \frac{56}{31} \quad \frac{93}{24} \quad \frac{91}{21} \quad \frac{67}{15} \quad \frac{60}{11} \quad \frac{66}{13} \quad \frac{78}{16} \quad \frac{77}{20} \quad \frac{65}{32} \quad \frac{66}{50} \quad \frac{63}{50}$$

Top Mant. 54, 50 + 63.2

$$\frac{23}{50} \quad \frac{21}{40} \quad \frac{68}{32} \quad \frac{63}{26} \quad \frac{41}{20} \quad \frac{37}{15} \quad \frac{37}{9} \quad \frac{40}{4} \quad \frac{43}{7} \quad \frac{46}{9} \quad \frac{53}{12} \quad \frac{43}{21} \quad \frac{36}{39} \quad \frac{39}{50} \quad \frac{40}{50}$$

$$\frac{33}{61} \quad \frac{65}{54} \quad \frac{71}{50} \quad \frac{66}{44} \quad \frac{35}{27} \quad \frac{38}{15} \quad \frac{40}{9} \quad \frac{49}{5} \quad \frac{50}{2} \quad \frac{42}{5} \quad \frac{37}{29} \quad \frac{39}{50}$$

$$\frac{53}{50} \quad \frac{46}{37} \quad \frac{34}{33} \quad \frac{39}{16} \quad \frac{42}{10} \quad \frac{54}{6} \quad \frac{39}{18} \quad \frac{39}{36} \quad \frac{40}{50} \quad \frac{40}{50}$$

$$\frac{80}{50} \quad \frac{80}{42} \quad \frac{84}{40} \quad \frac{75}{29} \quad \frac{46}{23} \quad \frac{42}{14} \quad \frac{47}{5} \quad \frac{53}{11} \quad \frac{57}{13} \quad \frac{68}{17} \quad \frac{68}{22} \quad \frac{39}{27} \quad \frac{43}{50} \quad \frac{42}{50}$$

Sta	+	π	-	Elev
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		903.93		
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51

+20.28

+60

52

+50

53

+50

54

+50

55

T.P.

5.11

903.61

5.43

898.50

+50

Lt.

R.

Rt.

$$\begin{array}{r} 99 \quad 27 \quad 93 \quad 52 \quad 48 \quad 45 \quad 54 \quad 69 \quad 69 \quad 47 \quad 46 \\ 50 \quad 28 \quad 22 \quad 13 \quad 10 \quad 15 \quad 18 \quad 24 \quad 27 \quad 50 \end{array}$$

$$\begin{array}{r} 99 \quad 102 \quad 95 \quad 58 \quad 46 \quad 53 \quad 56 \quad 68 \quad 73 \quad 46 \quad 47 \\ 50 \quad 23 \quad 17 \quad 12 \quad 12 \quad 12 \quad 17 \quad 18 \quad 25 \quad 29 \quad 50 \end{array}$$

$$\begin{array}{r} 93 \quad 95 \quad 97 \quad 91 \quad 62 \quad 49 \quad 56 \quad 76 \quad 78 \quad 56 \quad 49 \\ 50 \quad 40 \quad 28 \quad 19 \quad 13 \quad 15 \quad 20 \quad 25 \quad 28 \quad 50 \end{array}$$

$$\begin{array}{r} 84 \quad 93 \quad 94 \quad 60 \quad 50 \quad 55 \quad 61 \quad 79 \quad 80 \quad 58 \quad 62 \quad 54 \\ 50 \quad 32 \quad 18 \quad 14 \quad 10 \quad 15 \quad 19 \quad 28 \quad 28 \quad 32 \quad 50 \end{array}$$

$$\begin{array}{r} 93 \quad 95 \quad 91 \quad 63 \quad 59 \quad 52 \quad 55 \quad 59 \quad 89 \quad 85 \quad 63 \quad 66 \quad 61 \\ 50 \quad 28 \quad 19 \quad 13 \quad 10 \quad 10 \quad 14 \quad 19 \quad 27 \quad 29 \quad 33 \quad 50 \end{array}$$

$$\begin{array}{r} 98 \quad 100 \quad 97 \quad 62 \quad 58 \quad 52 \quad 56 \quad 63 \quad 82 \quad 87 \quad 86 \quad 66 \quad 69 \quad 66 \\ 50 \quad 29 \quad 18 \quad 13 \quad 10 \quad 10 \quad 13 \quad 17 \quad 22 \quad 27 \quad 29 \quad 33 \quad 50 \end{array}$$

$$\begin{array}{r} 100 \quad 100 \quad 98 \quad 85 \quad 59 \quad 50 \quad 57 \quad 85 \quad 87 \quad 82 \quad 58 \quad 58 \quad 55 \\ 50 \quad 40 \quad 28 \quad 19 \quad 14 \quad 13 \quad 19 \quad 21 \quad 25 \quad 28 \quad 33 \quad 50 \end{array}$$

$$\begin{array}{r} 72 \quad 62 \quad 85 \quad 91 \quad 60 \\ 50 \quad 32 \quad 28 \quad 18 \quad 14 \end{array}$$

$$\begin{array}{r} 51 \quad 56 \quad 57 \quad 86 \quad 90 \quad 88 \quad 50 \quad 54 \quad 57 \\ 10 \quad 13 \quad 18 \quad 21 \quad 24 \quad 29 \quad 33 \quad 50 \end{array}$$

$$\begin{array}{r} 66 \quad 62 \quad 83 \quad 90 \quad 90 \quad 58 \quad 51 \quad 60 \quad 87 \quad 92 \quad 88 \quad 71 \quad 72 \\ 50 \quad 32 \quad 27 \quad 21 \quad 18 \quad 13 \quad 14 \quad 17 \quad 20 \quad 24 \quad 27 \quad 50 \end{array}$$

$$\begin{array}{r} 84 \quad 84 \quad 92 \quad 81 \quad 82 \quad 62 \\ 50 \quad 32 \quad 29 \quad 27 \quad 19 \quad 14 \end{array}$$

$$\begin{array}{r} 54 \quad 60 \quad 66 \quad 90 \quad 92 \quad 89 \\ 10 \quad 12 \quad 16 \quad 28 \quad 50 \end{array}$$

$$\begin{array}{r} 88 \quad 90 \quad 92 \quad 86 \quad 60 \quad 53 \quad 61 \quad 88 \quad 88 \quad 93 \\ 50 \quad 37 \quad 27 \quad 19 \quad 14 \quad 11 \quad 16 \quad 30 \quad 50 \end{array}$$

Sta	+	π	-	Elev
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		903.61		
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56

+50

57

+50

58

+50

59

+35

60

T.P

8.89

905.78

6.72

896.89

+50

61

Lt

K

Rt

$$\frac{87}{50} \frac{93}{29} \frac{87}{17} \quad \frac{63}{14}$$

$$\frac{53}{12} \frac{60}{17} \frac{91}{27} \frac{92}{27} \frac{94}{50}$$

$$\frac{84}{50} \frac{86}{39} \frac{88}{26} \frac{87}{17} \frac{62}{15} \frac{53}{12} \quad \frac{58}{12} \quad \frac{91}{16} \quad \frac{92}{31} \frac{95}{50}$$

$$\frac{83}{50} \frac{87}{31} \frac{91}{30} \frac{91}{28} \frac{80}{27} \frac{82}{18} \quad \frac{57}{14}$$

$$\frac{52}{10} \frac{57}{16} \frac{86}{31} \frac{90}{31} \frac{89}{50}$$

$$\frac{80}{50} \frac{80}{31} \frac{85}{29} \frac{85}{27} \frac{71}{25} \frac{73}{16} \frac{57}{13} \quad \frac{50}{13} \frac{55}{18} \frac{74}{39} \frac{77}{39} \frac{77}{50}$$

$$\frac{99}{50} \frac{95}{28} \frac{89}{26} \frac{86}{18} \quad \frac{60}{14}$$

$$\frac{51}{14} \frac{54}{17} \frac{73}{31} \frac{68}{31} \frac{61}{37} \frac{61}{50}$$

$$\frac{97}{50} \frac{98}{29} \frac{92}{18} \frac{62}{14} \quad \frac{54}{12} \frac{58}{18} \frac{89}{28} \frac{87}{28} \frac{65}{50}$$

$$\frac{96}{50} \frac{96}{28} \quad \frac{91}{17} \quad \frac{64}{13}$$

$$\frac{57}{13} \frac{61}{17} \frac{93}{39} \frac{90}{39} \frac{68}{50}$$

(Culv)

(Culv)

$$\frac{97}{50} \frac{92}{35} \frac{93}{20} \frac{940}{20} \frac{87}{17} \frac{65}{13} \quad \frac{58}{12} \frac{62}{18} \frac{934}{28} \frac{90}{28} \frac{82}{42} \frac{71}{50}$$

$$\frac{94}{50} \frac{94}{28} \frac{90}{18} \frac{65}{14} \quad 5$$

$$\frac{58}{12} \frac{63}{16} \frac{88}{36} \frac{88}{36} \frac{82}{43} \frac{70}{50}$$

Noil in T.P. Rt 601

$$\frac{116}{50} \frac{111}{27} \frac{111}{17} \frac{88}{12} \frac{80}{11} \frac{83}{17} \frac{113}{40} \frac{111}{40} \frac{100}{50}$$

$$\frac{117}{50} \frac{117}{29} \frac{114}{16} \quad \frac{87}{13}$$

$$\frac{77}{12} \frac{81}{16} \frac{107}{31} \frac{106}{31} \frac{86}{50}$$

Sta.	+	π	-	Elev.
		905.78		

61 +50

62

+30

+60

B.M.	5.88	907.42	4.24	901.54	901.54
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63

+12.6

~~Sec. showing steps & walls~~

+12.6

+20

+20

+60

64

Lt

L

Rt

$$\frac{117}{50} \quad \frac{117}{27} \quad \frac{113}{17} \quad \frac{82}{12} \quad \frac{13}{13} \quad \frac{77}{13} \quad \frac{94}{16} \quad \frac{87}{34} \quad \frac{72}{50}$$

$$\frac{103}{50} \quad \frac{96}{29} \quad \frac{93}{16} \quad \frac{75}{13} \quad \frac{67}{13} \quad \frac{70}{17} \quad \frac{83}{24} \quad \frac{84}{27} \quad \frac{79}{40} \quad \frac{57}{50}$$

$$\frac{85}{50} \quad \frac{73}{31} \quad \frac{85}{25} \quad \frac{83}{16} \quad \frac{73}{14} \quad \frac{65}{12} \quad \frac{67}{12} \quad \frac{76}{17} \quad \frac{82}{19} \quad \frac{76}{24} \quad \frac{56}{29} \quad \frac{47}{37} \quad \frac{89}{50}$$

$$\frac{68}{50} \quad \frac{57}{37} \quad \frac{74}{29} \quad \frac{83}{17} \quad \frac{49}{14} \quad \frac{63}{13} \quad \frac{68}{18} \quad \frac{79}{24} \quad \frac{69}{30} \quad \frac{31}{50} \quad \frac{13}{50}$$

$$\frac{87}{50} \quad \frac{72}{38} \quad \frac{96}{26} \quad \frac{91}{21} \quad \frac{96}{17} \quad \frac{86}{14} \quad \frac{82}{12} \quad \frac{76}{14} \quad \frac{82}{17} \quad \frac{93}{19} \quad \frac{81}{26} \quad \frac{70}{32} \quad \frac{20}{50} \quad \frac{110}{50}$$

$$\frac{89}{50} \quad \frac{77}{38} \quad \frac{93}{31} \quad \frac{90}{21} \quad \frac{92}{17} \quad \frac{82}{14} \quad \frac{75}{14} \quad \frac{78}{11} \quad \frac{75}{19} \quad \frac{51}{27} \quad \frac{19}{32} \quad \frac{105}{44} \quad \frac{113}{50}$$

(stop) (wall)

$$\frac{644}{257} \quad \frac{644}{269} \quad \frac{275}{286} \quad \frac{1055}{44}$$

$$\frac{644}{257} \quad \frac{644}{269} \quad \frac{275}{286} \quad \frac{1055}{44}$$

$$\frac{95}{50} \quad \frac{79}{39} \quad \frac{90}{30} \quad \frac{83}{22} \quad \frac{90}{16} \quad \frac{81}{14} \quad \frac{74}{14} \quad \frac{76}{10} \quad \frac{75}{17} \quad \frac{65}{24} \quad \frac{10}{31} \quad \frac{106}{44} \quad \frac{108}{50}$$

$$\frac{114}{50} \quad \frac{95}{43} \quad \frac{93}{34} \quad \frac{82}{24} \quad \frac{82}{17} \quad \frac{76}{13} \quad \frac{70}{12} \quad \frac{73}{16} \quad \frac{87}{19} \quad \frac{79}{24} \quad \frac{65}{33} \quad \frac{10}{50} \quad \frac{104}{50}$$

$$\frac{118}{50} \quad \frac{96}{40} \quad \frac{93}{24} \quad \frac{82}{16} \quad \frac{74}{14} \quad \frac{67}{14} \quad \frac{70}{11} \quad \frac{79}{14} \quad \frac{86}{17} \quad \frac{83}{19} \quad \frac{73}{22} \quad \frac{65}{25} \quad \frac{19}{33} \quad \frac{104}{50}$$

Sta.	+	π	-	Elev.
		907.42		

64	+50			
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65				
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	+50			
--	-----	--	--	--

66				
----	--	--	--	--

	+33			
--	-----	--	--	--

	+65			
--	-----	--	--	--

67				
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T.P.	6.66	913.59	0.49	906.93
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	+42			
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+81	10.28	917.79	6.08	907.51
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T.P.				
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68				
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	+50			
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Lt.

2

Rt.

$$\begin{array}{cccccccc} 118 & 93 & 92 & 96 & 80 & 74 & 65 & 61 \\ 50 & 41 & 29 & 26 & 22 & 15 & 14 & 11 \end{array} \quad \begin{array}{cccccccc} 65 & 78 & 77 & 66 & 58 & 25 & 02 & 02 \\ 11 & 16 & 20 & 21 & 26 & 32 & 50 & 50 \end{array}$$

$$\begin{array}{cccccccc} 102 & 89 & 85 & 89 & 69 & 70 & 63 & 54 \\ 50 & 43 & 28 & 25 & 20 & 15 & 14 & 11 \end{array} \quad \begin{array}{cccccccc} 55 & 71 & 70 & 60 & 36 & 20 & 20 & 20 \\ 11 & 14 & 20 & 22 & 34 & 50 & 50 & 50 \end{array}$$

$$\begin{array}{cccccccc} 94 & 89 & 75 & 77 & 75 & 62 & 55 & 48 \\ 50 & 45 & 35 & 25 & 22 & 17 & 15 & 11 \end{array} \quad \begin{array}{cccccccc} 50 & 65 & 65 & 57 & 48 & 41 & 41 & 41 \\ 11 & 15 & 18 & 21 & 33 & 50 & 50 & 50 \end{array}$$

$$\begin{array}{cccccccc} 90 & 72 & 71 & 69 & 67 & 51 & 42 & 45 \\ 50 & 35 & 25 & 22 & 19 & 14 & 11 & 11 \end{array} \quad \begin{array}{cccccccc} 56 & 56 & 55 & 52 & 45 & 45 & 45 & 45 \\ 15 & 19 & 24 & 32 & 50 & 50 & 50 & 50 \end{array}$$

$$\begin{array}{cccccccc} 88 & 84 & 67 & 67 & 64 & 47 & 39 & 38 \\ 50 & 43 & 35 & 23 & 18 & 15 & 13 & 15 \end{array} \quad \begin{array}{cccccccc} 49 & 49 & 49 & 41 & 40 & 32 & 32 & 32 \\ 15 & 17 & 23 & 34 & 50 & 50 & 50 & 50 \end{array}$$

$$\begin{array}{cccc} 81 & 61 & 56 & 41 \\ 50 & 34 & 18 & 15 \end{array} \quad \begin{array}{cccc} 34 & 24 & 45 & 45 \\ 11 & 13 & 14 & 18 \end{array} \quad \begin{array}{cccc} 34 & 25 & 14 & 14 \\ 18 & 32 & 50 & 50 \end{array}$$

$$\begin{array}{cccccccc} 68 & 60 & 50 & 46 & 45 & 33 & 27 & 27 \\ 50 & 40 & 33 & 23 & 17 & 15 & 10 & 10 \end{array} \quad \begin{array}{cccccccc} 35 & 34 & 20 & 12 & 102 & 102 & 102 & 102 \\ 13 & 15 & 17 & 26 & 50 & 50 & 50 & 50 \end{array}$$

$$\begin{array}{cccccccc} 121 & 106 & 105 & 105 & 91 & 81 & 81 & 93 \\ 50 & 32 & 23 & 17 & 150 & 10 & 12 & 15 \end{array} \quad \begin{array}{cccccccc} 93 & 93 & 72 & 63 & 51 & 51 & 51 & 51 \\ 15 & 18 & 29 & 50 & 50 & 50 & 50 & 50 \end{array}$$

$$\begin{array}{cccccccc} 112 & 98 & 92 & 90 & 82 & 74 & 74 & 87 \\ 50 & 33 & 24 & 16 & 13 & 10 & 13 & 15 \end{array} \quad \begin{array}{cccccccc} 86 & 80 & 74 & 65 & 65 & 65 & 65 & 65 \\ 15 & 17 & 33 & 50 & 50 & 50 & 50 & 50 \end{array}$$

$$\begin{array}{cccccccc} 117 & 133 & 134 & 120 & 113 & 116 & 122 & 119 \\ 50 & 29 & 18 & 14 & 10 & 12 & 21 & 35 \end{array} \quad \begin{array}{cccccccc} 114 & 109 & 109 & 109 & 109 & 109 & 109 & 109 \\ 50 & 50 & 50 & 50 & 50 & 50 & 50 & 50 \end{array}$$

$$\begin{array}{cccccccc} 118 & 109 & 108 & 114 & 106 & 119 & 111 & 103 \\ 50 & 45 & 29 & 25 & 21 & 16 & 14 & 12 \end{array} \quad \begin{array}{cccccccc} 105 & 117 & 114 & 98 & 98 & 98 & 98 & 98 \\ 12 & 14 & 21 & 23 & 50 & 50 & 50 & 50 \end{array}$$

Sta	+	π	-	Elev
		917.79		

69

+50

70

+45

71

+50

72

T.P.	767	923.46	2.00	915.79
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+48

+71

73

+45

Lt

K

Rt

$$\begin{array}{r} 121 \\ 50 \end{array} \frac{98}{30} \frac{96}{25} \frac{87}{18} \frac{106}{15} \frac{98}{12} \frac{90}{12} \frac{92}{16} \frac{108}{18} \frac{108}{22} \frac{96}{26} \frac{75}{50}$$

$$\frac{119}{50} \frac{103}{30} \frac{87}{24} \frac{87}{19} \frac{96}{15} \frac{90}{12}$$

$$\frac{81}{12} \frac{83}{15} \frac{96}{17} \frac{96}{19} \frac{90}{21} \frac{88}{24} \frac{71}{24} \frac{63}{50}$$

$$\frac{84}{50} \frac{72}{37} \frac{65}{24} \frac{70}{18} \frac{81}{15} \frac{76}{11} \frac{70}{11} \frac{73}{11} \frac{83}{15} \frac{80}{19} \frac{77}{21} \frac{65}{25} \frac{56}{50}$$

$$\frac{60}{50} \frac{51}{39} \frac{45}{29} \frac{46}{22} \frac{51}{18} \frac{70}{15}$$

$$\frac{59}{12} \frac{63}{15} \frac{72}{20} \frac{70}{33} \frac{62}{50} \frac{60}{50}$$

$$\frac{60}{50} \frac{45}{30} \frac{44}{16} \frac{57}{14} \frac{50}{14}$$

$$\frac{53}{12} \frac{61}{16} \frac{55}{29} \frac{57}{50}$$

$$\frac{60}{50} \frac{52}{30} \frac{49}{13} \frac{42}{11} \frac{44}{11} \frac{48}{14} \frac{44}{16} \frac{39}{28} \frac{41}{50}$$

$$\frac{44}{50} \frac{41}{35} \frac{36}{22} \frac{37}{11} \frac{32}{11}$$

$$\frac{35}{12} \frac{43}{14} \frac{32}{32} \frac{28}{50}$$

$$\frac{71}{50} \frac{68}{37} \frac{67}{23} \frac{64}{16} \frac{85}{13} \frac{78}{14} \frac{81}{18} \frac{84}{22} \frac{83}{40} \frac{81}{50}$$

$$\frac{67}{50} \frac{57}{23} \frac{58}{18} \frac{83}{13}$$

$$\frac{74}{21} \frac{75}{41} \frac{72}{41} \frac{71}{50}$$

$$\frac{68}{50} \frac{58}{28} \frac{60}{15} \frac{79}{13} \frac{75}{12} \frac{69}{12}$$

$$\frac{72}{13} \frac{81}{15} \frac{81}{17} \frac{70}{20} \frac{63}{33} \frac{60}{50}$$

$$\frac{63}{50} \frac{52}{28} \frac{52}{16} \frac{73}{12} \frac{70}{11}$$

$$\frac{64}{14} \frac{68}{16} \frac{76}{18} \frac{77}{23} \frac{58}{38} \frac{52}{38} \frac{50}{50}$$

sta	+	π	-	Elev
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923.46

73	+86			
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74

+31

+59

75

+50

76

+55

+60 Profile or off take D/take

+64

77

Lt

R

Rt

$$\frac{6.3}{50} \frac{52}{28} \frac{47}{16} \frac{64}{12} \frac{59}{-} \quad \frac{62}{14} \frac{73}{16} \frac{67}{22} \frac{38}{26} \frac{36}{36} \frac{27}{50}$$

$$\frac{57}{50} \frac{46}{29} \frac{44}{15} \frac{64}{12}$$

$$\frac{58}{14} \frac{61}{17} \frac{70}{24} \frac{64}{28} \frac{39}{38} \frac{35}{50}$$

$$\frac{41}{50} \frac{33}{27} \frac{36}{19} \frac{5.6}{16} \frac{6.3}{12} \frac{5.5}{-} \quad \frac{57}{14} \frac{61}{17} \frac{5.1}{20} \frac{46}{31} \frac{50}{50}$$

$$\frac{4.0}{50} \frac{3.7}{27} \frac{5.2}{14} \frac{6.4}{13} \frac{6.0}{9} \frac{5.6}{7} \frac{5.1}{-} \quad \frac{5.2}{15} \frac{5.9}{21} \frac{5.8}{50}$$

$$\frac{5.2}{50} \frac{4.9}{28} \frac{5.4}{12} \frac{5.8}{10} \frac{5.2}{-} \quad \frac{5.7}{13} \frac{5.9}{24} \frac{6.3}{50}$$

$$\frac{4.7}{50} \frac{4.2}{27} \frac{4.7}{17} \frac{6.2}{14} \frac{5.7}{8} \frac{5.4}{-} \quad \frac{5.9}{14} \frac{5.7}{24} \frac{6.1}{50}$$

$$\frac{52}{50} \frac{52}{26} \frac{58}{16} \frac{68}{15} \frac{58}{-}$$

$$\frac{62}{14} \frac{67}{26} \frac{72}{50}$$

$$\frac{72}{50} \frac{68}{28} \frac{7.5}{14}$$

$$\frac{64}{14} \frac{6.7}{19} \frac{76}{30} \frac{7.4}{50}$$

$$\frac{91}{28} \frac{87}{50} \frac{92}{100}$$

$$\frac{77}{50} \frac{7.5}{34} \frac{73}{16} \frac{77}{14} \frac{72}{11} \frac{65}{-} \quad \frac{68}{15} \frac{73}{23} \frac{90}{25} \frac{90}{29} \frac{78}{30} \frac{76}{38} \frac{71}{39} \frac{71}{50}$$

$$\frac{90}{50} \frac{86}{30} \frac{81}{19} \frac{84}{15} \frac{76}{12}$$

$$\frac{70}{14} \frac{73}{22} \frac{74}{25} \frac{83}{28} \frac{84}{30} \frac{62}{36} \frac{59}{36} \frac{54}{50}$$

Sta.	+	π	-	Elev.
		923.46		

77 +47

T.P.	2.41	919.34	6.53	916.93
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78

+50

79

+38

just saw 4 DEER

+74

80

+35

+67

81

B.M.	4.42	920.58	3.24	916.10	(716.16)
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+50

B.M.			8.50	912.08	
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Lt

R

Rt

$\frac{102}{50} \frac{100}{34} \frac{97}{16} \frac{84}{13} \frac{76}{12} \frac{80}{17} \frac{91}{22} \frac{93}{26} \frac{48}{35} \frac{39}{50} \frac{41}{50}$

Comp. Base of Fe. Cor.

$\frac{75}{50} \frac{69}{34} \frac{67}{18} \frac{49}{13} \frac{41}{13} \frac{45}{13} \frac{56}{16} \frac{50}{21} \frac{26}{24} \frac{16}{35} \text{ L.O.}$

$\frac{81}{50} \frac{80}{29} \frac{77}{20} \frac{71}{17} \frac{51}{12} \frac{45}{13} \frac{51}{17} \frac{67}{19} \frac{67}{22} \frac{57}{32} \frac{45}{32} \text{ L.O.}$

$\frac{68}{50} \frac{70}{25} \frac{78}{21} \frac{77}{17} \frac{53}{12} \frac{46}{12} \frac{51}{14} \frac{64}{17} \frac{64}{20} \frac{50}{22} \frac{48}{32} \text{ L.O.}$

$\frac{68}{50} \frac{67}{25} \frac{73}{22} \frac{75}{17} \frac{56}{14} \frac{47}{11} \frac{52}{17} \frac{73}{20} \frac{73}{23} \frac{62}{23} \frac{65}{34} \text{ L.O.}$

$\frac{95}{50} \frac{89}{24} \frac{20}{19} \frac{55}{13} \frac{48}{12} \frac{52}{12} \frac{84}{18} \frac{83}{23} \frac{76}{25} \frac{77}{35} \text{ L.O.}$

$\frac{103}{50} \frac{93}{25} \frac{92}{18} \frac{57}{12} \frac{49}{12} \frac{54}{12} \frac{89}{18} \frac{90}{25} \frac{82}{28} \frac{83}{34} \text{ L.O.}$

$\frac{96}{50} \frac{92}{26} \frac{91}{17} \frac{57}{12} \frac{50}{12} \frac{55}{12} \frac{92}{19} \frac{89}{20} \frac{86}{33} \frac{78}{37} \frac{70}{46} \frac{85}{50}$
 (FLG6N) (FLG6N)

← $\frac{101}{100} \frac{102}{50} \frac{100}{27} \frac{89}{18} \frac{60}{12} \frac{51}{12} \frac{55}{18} \frac{95}{20} \frac{87}{22} \frac{79}{32} \frac{70}{38} \frac{66}{46} \frac{74}{50}$

$\frac{90}{50} \frac{85}{26} \frac{87}{19} \frac{58}{13} \frac{50}{12} \frac{54}{13} \frac{78}{16} \frac{72}{19} \frac{77}{28} \frac{69}{33} \frac{61}{36} \frac{64}{50}$

$\frac{82}{50} \frac{76}{31} \frac{85}{28} \frac{82}{22} \frac{87}{20} \frac{77}{19} \frac{77}{16} \frac{69}{15} \frac{59}{13} \frac{62}{16} \frac{73}{24} \frac{75}{30} \frac{56}{33} \frac{53}{33}$

Spk. in 10' Aug 25' Lt. 80+24 (Use this Bench)

Sta	+	π	-	Elev
		920.58		

82

+50

83

+50

84

+50

85

+50

86

T.P.	4.79	914.33	11.04	909.54
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+50

87

Lt

R

et

$$\frac{59}{50} \frac{47}{31} \frac{66}{28} \frac{66}{25} \frac{80}{21} \quad \frac{64}{15} \quad \frac{56}{12} \frac{64}{15} \frac{72}{25} \frac{76}{25} \frac{45}{31} \quad L.O.$$

$$\frac{36}{50} \frac{27}{33} \frac{75}{26} \frac{80}{21} \frac{62}{15} \quad \frac{62}{12} \frac{72}{16} \frac{72}{24} \frac{93}{31} \quad L.O.$$

$$\frac{22}{50} \frac{14}{36} \frac{76}{27} \frac{80}{24} \frac{76}{20} \quad \frac{63}{16} \quad \frac{54}{14} \frac{59}{18} \frac{72}{24} \frac{69}{31} \frac{17}{31} \quad L.O.$$

$$\frac{15}{50} \frac{10}{38} \frac{54}{30} \frac{68}{26} \frac{69}{18} \frac{58}{16} \quad \frac{53}{14} \frac{58}{17} \frac{68}{24} \frac{67}{31} \frac{09}{31} \quad L.O.$$

$$\frac{22}{50} \frac{18}{36} \frac{64}{29} \frac{69}{25} \frac{72}{18} \quad \frac{62}{14} \quad \frac{58}{12} \frac{64}{15} \frac{75}{22} \frac{74}{25} \frac{68}{25} \frac{22}{31} \quad L.O.$$

$$\frac{25}{50} \frac{23}{35} \frac{57}{28} \frac{75}{25} \frac{82}{18} \frac{72}{13} \quad \frac{66}{11} \frac{74}{17} \frac{88}{21} \frac{87}{21} \frac{81}{25} \frac{42}{31} \quad L.O.$$

$$\frac{34}{50} \frac{34}{35} \frac{56}{31} \frac{91}{23} \frac{95}{18} \quad \frac{86}{14} \quad \frac{81}{11} \frac{88}{18} \frac{101}{20} \frac{104}{24} \frac{95}{24} \frac{60}{30} \quad L.O.$$

$$\frac{38}{50} \frac{37}{35} \frac{61}{31} \frac{78}{27} \frac{98}{23} \frac{105}{19} \frac{96}{12} \quad \frac{92}{11} \frac{100}{18} \frac{112}{18} \frac{113}{23} \frac{86}{30} \frac{96}{50}$$

$$\frac{46}{50} \frac{50}{34} \frac{67}{29} \frac{115}{21} \frac{108}{11}$$

$$\frac{107}{15} \frac{115}{25} \frac{123}{31} \frac{112}{37} \frac{118}{37} \frac{121}{50}$$

$$\frac{00}{50} \frac{05}{33} \frac{16}{27} \frac{55}{21} \frac{62}{16} \frac{56}{14} \quad \frac{52}{12} \frac{58}{18} \frac{60}{33} \frac{66}{50} \frac{70}{50}$$

$$\frac{06}{50} \frac{08}{31} \frac{26}{25} \frac{57}{21} \frac{68}{16} \frac{63}{12}$$

$$\frac{60}{18} \frac{66}{19} \frac{76}{26} \frac{79}{31} \frac{60}{31} \frac{70}{50}$$

Sta	+	X	-	Elev
		914.33		

87	+50			
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88

+40

+66

89

T.P.	1.16	904.54	10.95	903.38
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+22

+59

90

+44 Cdr. Sec. only

Levels in ditch at 100 = 37' El Sta. 90+44

+50

T.P.	7.29	905.64	6.19	898.35
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Lt

L

Rt

18 22 46 76 74 69 75 85 86 44 59
50 31 50 30 24 20 19 12 19 25 31 50

30 32 52 91 91
50 28 26 21 15

82 85 100 105 66 L.O.
12 19 27 33

54 51 71 102 102 99 93 99 110 110 73 77
50 29 25 20 15 14 14 20 26 31 50

65 68 90 110 110 107
50 28 24 20 16 15

102 109 120 119 81 87
15 19 25 32 50

122 116 125 117 110 116 128 120 118 L.O.
50 26 21 14 15 23 27 33

51 45 38 36 26 17 23 40 44 44 L.O.
50 30 23 17 14 14 18 25 33

69 68 75 70 66 33 27 35 64 71 71 L.O.
50 28 26 24 21 13 13 19 26 33

71 74 81 76 74 45 37 46 78 80 L.O.
50 27 25 24 18 14 13 18 33

(FLCON)

(FLCON)

69 72 84 85
50 27 25 18

52
12

45 54 90 87 85
14 20 26 37

85 82 81 82 86 89
50 100 150 200 250 300

68 71 83 73 73 52 45 52 75 76 84 75 22
50 27 25 23 17 13 14 18 23 25 29 50

Nail in PP. Lt sta 90+50

Sta.	+	π	-	Elev.
		905.64		

91

+50

92

+50

93

+50

94

+50

95

T.P.	852	910 .05	4.11	901.53
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+50

96

Lt

A

Rt

$$\begin{array}{r} 75 \\ 50 \end{array} \frac{82}{27} \frac{91}{26} \frac{87}{24} \frac{84}{17} \frac{63}{13} \frac{56}{13} \frac{62}{13} \frac{87}{18} \frac{91}{25} \frac{96}{26} \frac{88}{27} \frac{88}{37} \text{ L.O.}$$

$$\begin{array}{r} 69 \\ 50 \end{array} \frac{80}{27} \frac{88}{26} \frac{83}{25} \frac{82}{18} \frac{62}{14} \frac{55}{13} \frac{61}{13} \frac{87}{18} \frac{90}{24} \frac{97}{25} \frac{92}{27} \frac{87}{37} \text{ L.O.}$$

$$\begin{array}{r} 55 \\ 50 \end{array} \frac{72}{36} \frac{77}{28} \frac{82}{27} \frac{80}{16} \frac{62}{12} \frac{54}{13} \frac{61}{13} \frac{82}{18} \frac{91}{24} \frac{96}{25} \frac{89}{27} \frac{86}{37} \text{ L.O.}$$

$$\begin{array}{r} 37 \\ 50 \end{array} \frac{63}{35} \frac{72}{28} \frac{78}{27} \frac{75}{16} \frac{58}{14} \frac{49}{13} \frac{57}{13} \frac{81}{19} \frac{87}{21} \frac{88}{24} \frac{93}{26} \frac{86}{27} \frac{86}{37} \text{ L.O.}$$

$$\begin{array}{r} 31 \\ 50 \end{array} \frac{48}{42} \frac{66}{31} \frac{69}{28} \frac{74}{27} \frac{75}{16} \frac{57}{13} \frac{48}{13} \frac{55}{13} \frac{81}{18} \frac{86}{24} \frac{95}{26} \frac{86}{27} \frac{86}{37} \text{ L.O.}$$

$$\begin{array}{r} 50 \\ 50 \end{array} \frac{71}{36} \frac{81}{26} \frac{76}{17} \frac{55}{13} \frac{46}{13} \frac{51}{13} \frac{82}{20} \frac{85}{24} \frac{93}{25} \frac{85}{27} \frac{85}{37} \text{ L.O.}$$

$$\begin{array}{r} 74 \\ 50 \end{array} \frac{78}{38} \frac{77}{29} \frac{82}{26} \frac{72}{17} \frac{53}{15} \frac{48}{12} \frac{39}{12} \frac{45}{14} \frac{65}{19} \frac{66}{31} \frac{64}{36} \text{ L.O.}$$

$$\text{L.O. } \begin{array}{r} 88 \\ 45 \end{array} \frac{73}{31} \frac{75}{29} \frac{65}{18} \frac{49}{15} \frac{41}{12} \frac{33}{12} \frac{38}{17} \frac{52}{31} \frac{50}{37} \frac{47}{37} \text{ L.O.}$$

$$\text{L.O. } \begin{array}{r} 82 \\ 42 \end{array} \frac{78}{35} \frac{73}{28} \frac{65}{18} \frac{40}{14} \frac{30}{14} \frac{35}{14} \frac{50}{17} \frac{45}{23} \frac{40}{27} \frac{40}{36} \text{ L.O.}$$

Noil in T.P. Lt. 54. 95+75

$$\begin{array}{r} 116 \\ 50 \end{array} \frac{108}{38} \frac{105}{28} \frac{98}{17} \frac{81}{14} \frac{72}{13} \frac{77}{13} \frac{87}{16} \frac{85}{23} \frac{67}{29} \frac{64}{32} \text{ L.O.}$$

$$\begin{array}{r} 110 \\ 50 \end{array} \frac{98}{29} \frac{92}{17} \frac{76}{14} \frac{67}{12} \frac{73}{15} \frac{81}{26} \frac{81}{31} \frac{47}{31} \text{ L.O.}$$

Sta	+	π	-	Elev
		910.05		

96	+50			
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97				
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	+50			
--	-----	--	--	--

98				
----	--	--	--	--

	+50			
--	-----	--	--	--

99				
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	+50			
--	-----	--	--	--

100				
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I.P.	4.34	911.31	3.08	906.97
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	+50			
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101				
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	+25			
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Lt

2

Rt

$$\begin{array}{r} 99 \ 85 \ 78 \ 71 \ 62 \ 66 \ 76 \ 77 \ 72 \ 34 \\ 50 \ 28 \ 16 \ 15 \ 13 \ 16 \ 21 \ 26 \ 30 \end{array} \text{ L.O.}$$

$$\begin{array}{r} 98 \ 87 \ 83 \ 68 \\ 50 \ 27 \ 16 \ 13 \end{array} \quad \begin{array}{r} 56 \ 62 \ 70 \ 69 \ 1.8 \\ 14 \ 19 \ 26 \ 30 \end{array} \text{ L.O.}$$

$$\begin{array}{r} 98 \ 87 \ 77 \ 62 \ 52 \ 55 \ 68 \ 65 \ 22 \\ 50 \ 28 \ 16 \ 13 \ 14 \ 18 \ 26 \ 30 \end{array} \text{ L.O.}$$

$$\begin{array}{r} 87 \ 72 \ 66 \ 70 \\ 50 \ 28 \ 21 \ 18 \end{array} \quad \begin{array}{r} 55 \\ 14 \end{array} \quad \begin{array}{r} 46 \ 52 \ 62 \ 62 \ 1.5 \\ 14 \ 18 \ 26 \ 31 \end{array} \text{ L.O.}$$

$$\begin{array}{r} 61 \ 55 \ 55 \ 67 \ 67 \ 52 \ 42 \ 44 \ 58 \ 58 \ 23 \\ 50 \ 29 \ 22 \ 19 \ 18 \ 15 \ 14 \ 18 \ 26 \ 30 \end{array} \text{ L.O.}$$

$$\begin{array}{r} 44 \ 34 \ 55 \ 60 \ 47 \\ 50 \ 25 \ 20 \ 17 \ 14 \end{array} \quad \begin{array}{r} 39 \ 44 \ 51 \ 50 \ 69 \\ 14 \ 21 \ 24 \ 32 \end{array} \text{ L.O.}$$

$$\begin{array}{r} 29 \ 17 \ 47 \ 48 \ 41 \ 34 \ 40 \ 51 \ 49 \ 40 \ 0.8 \ 0.2 \\ 50 \ 27 \ 20 \ 16 \ 14 \ 13 \ 16 \ 21 \ 24 \ 28 \ 32 \end{array}$$

$$\begin{array}{r} 09 \ 103 \ 41 \ 44 \ 38 \\ 50 \ 29 \ 21 \ 16 \ 14 \end{array} \quad \begin{array}{r} 31 \ 34 \ 49 \ 48 \ 21 \ 107 \\ 13 \ 16 \ 20 \ 26 \ 30 \end{array} \text{ L.O.}$$

$$\begin{array}{r} 23 \ 24 \ 61 \ 60 \ 53 \ 43 \ 48 \ 60 \ 60 \ 34 \ 1.8 \ 18 \ 09 \\ 50 \ 30 \ 24 \ 16 \ 13 \ 14 \ 17 \ 19 \ 25 \ 27 \ 29 \ 30 \end{array} \text{ L.O.}$$

$$\begin{array}{r} 25 \ 27 \ 62 \ 63 \ 57 \\ 50 \ 29 \ 25 \ 17 \ 14 \end{array} \quad \begin{array}{r} 45 \ 52 \ 68 \ 68 \ 56 \ 27 \ 30 \\ 14 \ 17 \ 20 \ 23 \ 27 \ 32 \end{array} \text{ L.O.}$$

$$\begin{array}{r} 23 \ 25 \ 62 \ 63 \ 58 \ 46 \\ 50 \ 29 \ 24 \ 16 \ 15 \ 13 \end{array} \quad \begin{array}{r} 71 \ 71 \ 63 \ 42 \ 44 \\ 16 \ 21 \ 23 \ 26 \ 32 \end{array} \text{ L.O.}$$

Sta	+	π	-	Elev
		911.31		

101	+50			
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	+75			
--	-----	--	--	--

102				
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	+25			
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	+50			
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	+75			
--	-----	--	--	--

103				
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	+50			
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B.M.				
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		6.21		
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			905.10	
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				905.02
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Lt.

R

Rt.

$$\begin{array}{r} 25 \ 31 \ 37 \ 64 \ 68 \ 59 \\ 50 \ 29 \ 25 \ 20 \ 13 \ 9 \end{array}$$

$$\begin{array}{r} 50 \ 52 \ 73 \ 73 \ 61 \ 71 \ 76 \\ 18 \ 24 \ 25 \ 28 \ 41 \ 50 \end{array}$$

$$\begin{array}{r} 26 \ 27 \ 39 \ 47 \ 71 \ 63 \\ 50 \ 39 \ 20 \ 15 \ 9 \end{array}$$

$$\begin{array}{r} 53 \ 52 \ 66 \ 71 \ 80 \ 100 \ 114 \\ 9 \ 27 \ 32 \ 35 \ 40 \ 44 \ 62 \end{array}$$

$$\begin{array}{r} 30 \ 35 \ 52 \\ 50 \ 34 \ 7 \end{array} \quad \begin{array}{r} 73 \\ 4 \end{array}$$

$$\begin{array}{r} 71 \ 57 \ 55 \ 66 \ 74 \ 55 \ 111 \ 129 \\ 12 \ 33 \ 36 \ 42 \ 48 \ 58 \ 68 \end{array}$$

$$\begin{array}{r} 37 \ 42 \ 50 \ 73 \ 63 \\ 50 \ 32 \ 16 \ 11 \end{array}$$

$$\begin{array}{r} 59 \\ 7 \end{array}$$

$$\begin{array}{r} 60 \ 95 \ 108 \ 112 \\ 22 \ 30 \ 43 \ 50 \end{array}$$

$$\begin{array}{r} 45 \ 51 \ 61 \ 78 \ 78 \ 70 \\ 50 \ 25 \ 19 \ 18 \ 16 \ 13 \end{array}$$

$$\begin{array}{r} 60 \ 64 \ 85 \ 94 \ 109 \\ 15 \ 19 \ 29 \ 50 \end{array}$$

$$\begin{array}{r} 50 \ 56 \ 66 \ 77 \ 77 \ 71 \ 65 \ 60 \\ 50 \ 26 \ 22 \ 20 \ 17 \ 16 \ 12 \end{array}$$

$$\begin{array}{r} 65 \ 88 \ 96 \ 107 \\ 13 \ 17 \ 26 \ 50 \end{array}$$

$$\begin{array}{r} 56 \ 61 \ 65 \ 74 \ 74 \ 68 \\ 50 \ 28 \ 22 \ 20 \ 17 \ 14 \end{array}$$

$$\begin{array}{r} 59 \ 65 \ 83 \ 89 \ 90 \ 100 \\ 14 \ 18 \ 21 \ 25 \ 50 \end{array}$$

$$\begin{array}{r} 45 \ 50 \ 56 \ 71 \ 71 \ 64 \ 57 \ 64 \ 78 \ 81 \ 87 \\ 50 \ 28 \ 23 \ 20 \ 16 \ 14 \ 12 \ 17 \ 25 \ 50 \end{array}$$

Spk in 30°O. 29°E. sta 103

Sta	+	π	-	Elev.
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B.M.	5.90	910.92	905.07	
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104

+50

105

+50

905.02

Lt

R

Rt

Spt. in 30" O. 29' Rt 103

$\frac{31}{50} \frac{36}{28} \frac{42}{24} \frac{53}{22} \frac{68}{19} \frac{68}{17} \frac{60}{14}$

$\frac{52}{12} \frac{56}{13} \frac{72}{19} \frac{73}{22} \frac{67}{30} \frac{69}{50} \frac{73}{50}$

$\frac{30}{50} \frac{30}{28} \frac{36}{25} \frac{44}{24} \frac{53}{22} \frac{67}{20} \frac{67}{18} \frac{58}{16} \frac{49}{5} \frac{4.9}{11} \frac{52}{15} \frac{70}{19} \frac{70}{24} \frac{51}{24} \text{ L.O.}$

$\frac{52}{50} \frac{39}{26} \frac{48}{26} \frac{56}{22} \frac{67}{21} \frac{67}{18} \frac{53}{16} \frac{48}{4} \frac{4.8}{12} \frac{52}{16} \frac{70}{19} \frac{70}{26} \frac{48}{26} \text{ L.O.}$

$\frac{69}{50} \frac{60}{29} \frac{66}{24} \frac{73}{23} \frac{73}{21} \frac{55}{16} \frac{50}{6} \frac{50}{11} \frac{55}{14} \frac{70}{19} \frac{69}{25} \frac{71}{50} \frac{76}{50}$

Sta	+	π	-	Elev
		910.92		

106

+50

107

+20 X Drain

+64

T.P.	9.22	916.36	3.18	907.14
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108

+37

+73

109

+39

T.P.	12.60	924.82	4.14	912.22
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+61

Lt

L

Rt

$$\frac{60}{50} \frac{59}{29} \frac{65}{25} \frac{75}{23} \frac{75}{20} \frac{54}{16} \frac{50}{8} \frac{51}{5}$$

$$\frac{58}{10}$$

$$\frac{82}{15} \frac{90}{21} \frac{99}{30} \frac{106}{50}$$

$$\frac{52}{50} \frac{57}{29} \frac{73}{23} \frac{73}{21} \frac{56}{16} \frac{51}{7} \frac{51}{11} \frac{58}{14} \frac{75}{22} \frac{89}{30} \frac{93}{50} \frac{100}{50}$$

$$\frac{82}{50} \frac{84}{35} \frac{83}{22} \frac{53}{15} \frac{48}{7} \frac{49}{7} \frac{55}{9} \frac{85}{14} \frac{91}{22} \frac{99}{26} \text{ L.O.}$$

(FL CURV)

(FL CURV)

$$\frac{91}{50} \frac{90}{28} \frac{90}{22} \frac{53}{15} \frac{47}{6}$$

$$\frac{48}{9} \frac{54}{15} \frac{79}{16} \frac{94}{16} \frac{90}{16} \frac{95}{26} \frac{99}{50}$$

$$\frac{89}{50} \frac{85}{37} \frac{78}{28} \frac{77}{23} \frac{44}{16} \frac{39}{6} \frac{40}{10} \frac{46}{14} \frac{74}{29} \text{ L.O.}$$

$$\frac{119}{50} \frac{110}{34} \frac{108}{32} \frac{105}{24} \frac{100}{9} \frac{90}{16} \frac{85}{5} \frac{85}{10} \frac{91}{14} \frac{104}{20} \frac{108}{25} \frac{104}{29} \frac{109}{50} \frac{114}{50}$$

$$\frac{86}{50} \frac{79}{33} \frac{67}{32} \frac{70}{26} \frac{89}{23} \frac{88}{18} \frac{81}{15} \frac{74}{5} \frac{75}{9} \frac{80}{14} \frac{100}{19} \frac{100}{22} \frac{74}{28} \frac{78}{28} \frac{86}{50}$$

$$\frac{51}{50} \frac{40}{34} \frac{34}{32} \frac{31}{28} \frac{43}{26} \frac{45}{24} \frac{79}{27} \frac{79}{19} \frac{71}{17} \frac{60}{4} \frac{61}{9} \frac{67}{14} \frac{92}{19} \frac{92}{22} \frac{54}{28} \frac{58}{28} \frac{64}{50}$$

$$\frac{26}{50} \frac{19}{36} \frac{13}{30} \frac{23}{29} \frac{26}{26} \frac{66}{21} \frac{46}{19} \frac{59}{18} \frac{52}{6} \frac{52}{10} \frac{58}{15} \frac{80}{18} \frac{79}{21} \frac{40}{21} \frac{42}{30} \frac{46}{50}$$

$$\frac{13}{50} \frac{20}{29} \frac{30}{26} \frac{49}{23} \frac{49}{20} \frac{45}{19} \frac{40}{14} \frac{39}{5} \frac{40}{11} \frac{46}{14} \frac{66}{19} \frac{66}{22} \frac{39}{22} \frac{35}{27} \frac{38}{50}$$

$$\frac{106}{50} \frac{112}{32} \frac{119}{25} \frac{131}{23} \frac{131}{19} \frac{118}{14} \frac{116}{5} \frac{118}{10} \frac{122}{12} \frac{130}{18} \frac{131}{24} \text{ L.O.}$$

Sta.	+	π	-	Elev.
		924.82		

110

+50

111

+50

112

+50

T.P.	5.07	927.77	2.12	922.70
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113

+50

114

+50

+84

Lt.

E

Rt.

$$\begin{array}{r} 108 \\ 50 \end{array} \begin{array}{r} 108 \\ 30 \end{array} \begin{array}{r} 118 \\ 28 \end{array} \begin{array}{r} 122 \\ 20 \end{array} \begin{array}{r} 113 \\ 17 \end{array} \begin{array}{r} 107 \\ 6 \end{array} \quad \begin{array}{r} 107 \\ 8 \end{array} \begin{array}{r} 111 \\ 10 \end{array} \begin{array}{r} 123 \\ 22 \end{array} \begin{array}{r} 122 \\ 26 \end{array} \begin{array}{r} 116 \\ 26 \end{array} \begin{array}{r} 114 \\ 50 \end{array}$$

$$\begin{array}{r} 106 \\ 50 \end{array} \begin{array}{r} 106 \\ 32 \end{array} \begin{array}{r} 113 \\ 29 \end{array} \begin{array}{r} 113 \\ 20 \end{array} \begin{array}{r} 101 \\ 17 \end{array} \begin{array}{r} 95 \\ 8 \end{array} \begin{array}{r} 96 \\ 8 \end{array} \begin{array}{r} 103 \\ 10 \end{array} \begin{array}{r} 120 \\ 18 \end{array} \begin{array}{r} 118 \\ 26 \end{array} \begin{array}{r} 110 \\ 50 \end{array}$$

$$\begin{array}{r} 90 \\ 50 \end{array} \begin{array}{r} 87 \\ 32 \end{array} \begin{array}{r} 98 \\ 21 \end{array} \begin{array}{r} 86 \\ 17 \end{array} \begin{array}{r} 81 \\ 8 \end{array} \begin{array}{r} 84 \\ 8 \end{array} \quad \begin{array}{r} 90 \\ 8 \end{array} \begin{array}{r} 101 \\ 10 \end{array} \begin{array}{r} 103 \\ 26 \end{array} \quad L.O.$$

$$\begin{array}{r} 65 \\ 50 \end{array} \begin{array}{r} 65 \\ 32 \end{array} \begin{array}{r} 78 \\ 20 \end{array} \begin{array}{r} 69 \\ 17 \end{array} \begin{array}{r} 66 \\ 7 \end{array} \quad \begin{array}{r} 68 \\ 7 \end{array} \begin{array}{r} 73 \\ 9 \end{array} \begin{array}{r} 85 \\ 9 \end{array} \begin{array}{r} 90 \\ 26 \end{array} \quad L.O.$$

$$\begin{array}{r} 40 \\ 50 \end{array} \begin{array}{r} 40 \\ 32 \end{array} \begin{array}{r} 47 \\ 28 \end{array} \begin{array}{r} 56 \\ 24 \end{array} \begin{array}{r} 53 \\ 16 \end{array} \begin{array}{r} 50 \\ 8 \end{array} \begin{array}{r} 52 \\ 7 \end{array} \begin{array}{r} 57 \\ 10 \end{array} \begin{array}{r} 73 \\ 17 \end{array} \begin{array}{r} 77 \\ 26 \end{array} \begin{array}{r} 76 \\ 35 \end{array} \begin{array}{r} 76 \\ 50 \end{array} \begin{array}{r} 73 \\ 50 \end{array}$$

$$\begin{array}{r} 1.6 \\ 50 \end{array} \begin{array}{r} 1.5 \\ 34 \end{array} \begin{array}{r} 2.0 \\ 29 \end{array} \begin{array}{r} 4.3 \\ 25 \end{array} \begin{array}{r} 4.3 \\ 23 \end{array} \begin{array}{r} 3.5 \\ 20 \end{array} \begin{array}{r} 3.8 \\ 16 \end{array} \begin{array}{r} 3.2 \\ 9 \end{array} \begin{array}{r} 3.5 \\ 8 \end{array} \begin{array}{r} 4.0 \\ 12 \end{array} \begin{array}{r} 5.2 \\ 16 \end{array} \begin{array}{r} 5.3 \\ 25 \end{array} \begin{array}{r} 3.0 \\ 25 \end{array} \quad L.O.$$

$$\begin{array}{r} 34 \\ 50 \end{array} \begin{array}{r} 30 \\ 35 \end{array} \begin{array}{r} 33 \\ 28 \end{array} \begin{array}{r} 57 \\ 25 \end{array} \begin{array}{r} 57 \\ 23 \end{array} \begin{array}{r} 48 \\ 21 \end{array} \begin{array}{r} 52 \\ 17 \end{array} \begin{array}{r} 47 \\ 7 \end{array} \quad \begin{array}{r} 49 \\ 8 \end{array} \begin{array}{r} 54 \\ 11 \end{array} \begin{array}{r} 68 \\ 16 \end{array} \begin{array}{r} 6.8 \\ 24 \end{array} \begin{array}{r} 26 \\ 33 \end{array} \begin{array}{r} 26 \\ 50 \end{array} \begin{array}{r} 32 \\ 50 \end{array}$$

$$\begin{array}{r} 1.9 \\ 50 \end{array} \begin{array}{r} 2.0 \\ 36 \end{array} \begin{array}{r} 1.7 \\ 32 \end{array} \begin{array}{r} 2.0 \\ 29 \end{array} \begin{array}{r} 4.8 \\ 25 \end{array} \begin{array}{r} 4.8 \\ 23 \end{array} \begin{array}{r} 4.1 \\ 21 \end{array} \begin{array}{r} 4.4 \\ 17 \end{array} \begin{array}{r} 3.8 \\ 7 \end{array} \begin{array}{r} 4.0 \\ 8 \end{array} \begin{array}{r} 4.4 \\ 12 \end{array} \begin{array}{r} 5.9 \\ 16 \end{array} \begin{array}{r} 5.9 \\ 26 \end{array} \begin{array}{r} 1.6 \\ 34 \end{array} \begin{array}{r} 1.7 \\ 34 \end{array} \begin{array}{r} 2.0 \\ 50 \end{array}$$

$$\begin{array}{r} 1.0 \\ 50 \end{array} \begin{array}{r} 0.5 \\ 36 \end{array} \begin{array}{r} 0.7 \\ 31 \end{array} \begin{array}{r} 4.5 \\ 27 \end{array} \begin{array}{r} 4.5 \\ 24 \end{array} \begin{array}{r} 3.6 \\ 21 \end{array} \begin{array}{r} 3.3 \\ 7 \end{array} \quad \begin{array}{r} 3.4 \\ 8 \end{array} \begin{array}{r} 3.6 \\ 11 \end{array} \begin{array}{r} 5.4 \\ 16 \end{array} \begin{array}{r} 5.2 \\ 24 \end{array} \begin{array}{r} 1.1 \\ 24 \end{array} \quad \begin{array}{r} 1.1 \\ 50 \end{array}$$

$$\begin{array}{r} 2.6 \\ 50 \end{array} \begin{array}{r} 2.4 \\ 35 \end{array} \begin{array}{r} 2.7 \\ 29 \end{array} \begin{array}{r} 4.0 \\ 26 \end{array} \begin{array}{r} 4.0 \\ 24 \end{array} \begin{array}{r} 3.3 \\ 21 \end{array} \begin{array}{r} 3.1 \\ 9 \end{array} \begin{array}{r} 3.1 \\ 7 \end{array} \begin{array}{r} 3.3 \\ 11 \end{array} \begin{array}{r} 5.0 \\ 19 \end{array} \begin{array}{r} 4.9 \\ 24 \end{array} \begin{array}{r} 1.1 \\ 32 \end{array} \begin{array}{r} 1.4 \\ 43 \end{array} \begin{array}{r} 2.4 \\ 50 \end{array} \begin{array}{r} 2.6 \\ 50 \end{array}$$

$$\begin{array}{r} 3.5 \\ 50 \end{array} \begin{array}{r} 3.5 \\ 36 \end{array} \begin{array}{r} 3.8 \\ 34 \end{array} \begin{array}{r} 2.9 \\ 29 \end{array} \begin{array}{r} 4.0 \\ 26 \end{array} \begin{array}{r} 4.0 \\ 24 \end{array} \begin{array}{r} 3.2 \\ 21 \end{array} \begin{array}{r} 3.1 \\ 9 \end{array} \begin{array}{r} 3.0 \\ 7 \end{array} \begin{array}{r} 3.0 \\ 11 \end{array} \begin{array}{r} 4.7 \\ 16 \end{array} \begin{array}{r} 4.7 \\ 25 \end{array} \begin{array}{r} 1.5 \\ 39 \end{array} \begin{array}{r} 1.6 \\ 50 \end{array} \begin{array}{r} 1.8 \\ 50 \end{array}$$

Sta.	+	π	-	Elev.
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927.77

114 +95

115

+50

116

+50

117

+50

118

+50

119

+50

B.M.

0.43

927.34

927.33

Lt

E

Rt

$$\frac{35}{50} \frac{35}{35} \frac{30}{34} \frac{30}{29} \frac{36}{26} \frac{36}{24} \frac{38}{22} \frac{32}{10} \frac{31}{7} \frac{32}{7} \frac{13}{11} \frac{16}{27} \frac{1.5}{50}$$

$$\frac{34}{50} \frac{29}{33} \frac{37}{22} \frac{21}{8} \frac{31}{7} \frac{32}{9} \frac{13}{9} \frac{16}{27} \frac{1.5}{50}$$

$$\frac{45}{50} \frac{41}{35} \frac{37}{32} \frac{37}{23} \frac{46}{21} \frac{40}{8} \frac{41}{8} \frac{43}{7} \frac{28}{10} \frac{23}{28} \frac{1.6}{50}$$

$$\frac{45}{50} \frac{45}{40} \frac{51}{37} \frac{51}{36} \frac{44}{33} \frac{46}{23} \frac{60}{22} \frac{57}{18} \frac{54}{9} \frac{55}{8} \frac{59}{9} \frac{49}{22} \frac{53}{32} \frac{56}{32} \frac{48}{50}$$

$$\frac{57}{50} \frac{60}{43} \frac{67}{36} \frac{71}{28} \frac{72}{23} \frac{77}{22} \frac{77}{21} \frac{71}{19} \frac{66}{8} \frac{68}{5} \frac{71}{8} \frac{75}{10} \frac{62}{28} \frac{57}{28} \frac{5.5}{50}$$

$$\frac{73}{50} \frac{76}{38} \frac{77}{24} \frac{88}{22} \frac{88}{20} \frac{85}{18} \frac{80}{7} \frac{81}{7} \frac{83}{8} \frac{86}{8} \frac{82}{10} \frac{78}{30} \frac{74}{50}$$

$$\frac{105}{50} \frac{108}{38} \frac{104}{24} \frac{108}{22} \frac{108}{20} \frac{101}{19} \frac{96}{8} \frac{97}{7} \frac{100}{17} \frac{96}{33} \frac{92}{50}$$

$$\frac{121}{50} \frac{116}{27} \frac{118}{20} \frac{113}{18} \frac{109}{7} \frac{110}{8} \frac{112}{10} \frac{116}{13} \frac{112}{27} \frac{115}{27} \frac{114}{50}$$

$$\frac{127}{50} \frac{132}{35} \frac{128}{23} \frac{124}{16} \frac{120}{6} \frac{122}{6} \frac{12.5}{6} \frac{131}{9} \frac{128}{18} \frac{130}{27} \frac{130}{50}$$

$$\frac{154}{50} \frac{150}{31} \frac{145}{23} \frac{137}{20} \frac{130}{6} \frac{132}{7} \frac{134}{10} \frac{146}{13} \frac{143}{31} \frac{142}{31} \frac{138}{50}$$

$$\frac{123}{50} \frac{165}{30} \frac{158}{23} \frac{148}{17} \frac{141}{6} \frac{143}{7} \frac{144}{9} \frac{153}{12} \frac{153}{14} \frac{147}{14} \frac{143}{30} \frac{141}{50}$$

Spk. in 20" Galt 5.0 ft 115+50

Sta	+	π	-	Elev
B.M.	0.48	927.81		(927.33)

T.P.	-0.02	916.82	10.97	916.84
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120

+50

121

+50

122

+50

123

+50

T.P.	3.77	913.00	7.59	909.23
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124

+50

125

Lt

R

Rt

Spike in 20" Cott. 50 Rt 11545

$$\frac{69}{50} \frac{64}{31} \frac{61}{22} \frac{51}{20} \frac{42}{7} \frac{42}{8} \frac{46}{10} \frac{54}{12} \frac{53}{14} \frac{47}{30} \frac{42}{50} \frac{36}{50}$$

$$\frac{71}{50} \frac{69}{30} \frac{65}{21} \frac{56}{18} \frac{51}{7} \frac{50}{8} \frac{53}{10} \frac{59}{12} \frac{58}{15} \frac{52}{27} \frac{49}{50} \frac{39}{50}$$

$$\frac{77}{50} \frac{73}{41} \frac{70}{28} \frac{72}{22} \frac{68}{19} \frac{59}{9} \frac{58}{8} \frac{61}{10} \frac{70}{11} \frac{64}{13} \frac{60}{27} \frac{50}{50}$$

$$\frac{90}{50} \frac{92}{29} \frac{89}{21} \frac{71}{18} \frac{65}{8} \frac{65}{7} \frac{69}{9} \frac{79}{12} \frac{79}{14} \frac{75}{17} \frac{70}{34} \frac{68}{50} \frac{65}{50}$$

$$\frac{85}{50} \frac{82}{31} \frac{85}{23} \frac{85}{20} \frac{76}{18} \frac{70}{8} \frac{69}{7} \frac{71}{11} \frac{81}{13} \frac{82}{16} \frac{74}{33} \frac{70}{50} \frac{63}{50}$$

$$\frac{100}{50} \frac{98}{37} \frac{96}{27} \frac{92}{21} \frac{81}{18} \frac{75}{8} \frac{75}{8} \frac{76}{11} \frac{87}{13} \frac{87}{16} \frac{75}{30} \frac{73}{50} \frac{68}{50}$$

$$\frac{112}{50} \frac{108}{32} \frac{103}{21} \frac{83}{17} \frac{77}{6} \frac{76}{8} \frac{79}{13} \frac{98}{14} \frac{97}{15} \frac{94}{28} \frac{90}{50} \frac{86}{50}$$

$$\frac{78}{50} \frac{94}{34} \frac{95}{20} \frac{83}{17} \frac{76}{10} \frac{75}{9} \frac{78}{13} \frac{95}{19} \frac{95}{24} \frac{76}{39} \frac{78}{50} \frac{78}{50}$$

$$\frac{47}{50} \frac{52}{25} \frac{55}{21} \frac{46}{18} \frac{38}{7} \frac{38}{9} \frac{40}{13} \frac{58}{19} \frac{53}{25} \frac{18}{50} \frac{16}{50}$$

$$\frac{51}{50} \frac{45}{36} \frac{58}{24} \frac{57}{18} \frac{47}{16} \frac{42}{5} \frac{42}{9} \frac{46}{13} \frac{60}{25} \frac{47}{37} \frac{43}{50} \frac{42}{50}$$

$$\frac{76}{50} \frac{70}{34} \frac{68}{21} \frac{52}{16} \frac{45}{3} \frac{44}{10} \frac{48}{12} \frac{57}{16} \frac{58}{17} \frac{54}{32} \frac{54}{50} \frac{51}{50}$$

Sta	+	π	-	E/GK
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		913.00		
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25	+50			
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26				
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	+50			
--	-----	--	--	--

27				
----	--	--	--	--

	+50			
--	-----	--	--	--

28				
----	--	--	--	--

	+50			
--	-----	--	--	--

29				
----	--	--	--	--

	+50			
--	-----	--	--	--

30				
----	--	--	--	--

	472			
--	-----	--	--	--

		911.78		
--	--	--------	--	--

			5.94	
--	--	--	------	--

				907.06
--	--	--	--	--------

30				
----	--	--	--	--

	+30.74			
--	--------	--	--	--

Lt

K

Rt

$$\frac{68}{50} \frac{64}{31} \frac{63}{19} \frac{52}{15} \frac{47}{5} \quad \frac{46}{10} \frac{49}{13} \frac{61}{15} \frac{50}{18} \frac{48}{28} \frac{41}{50}$$

$$\frac{68}{50} \frac{66}{40} \frac{59}{27} \frac{60}{22} \frac{53}{16} \frac{47}{5} \frac{47}{5} \quad \frac{49}{10} \frac{60}{14} \frac{46}{17} \frac{47}{29} \frac{45}{30}$$

$$\frac{63}{50} \frac{62}{32} \frac{62}{21} \frac{56}{15} \frac{50}{7} \quad \frac{50}{10} \frac{53}{12} \frac{65}{14} \frac{65}{18} \frac{45}{34} \frac{45}{50}$$

$$\frac{66}{50} \frac{62}{38} \frac{67}{23} \frac{66}{18} \frac{58}{15} \frac{51}{5} \quad \frac{55}{10} \frac{66}{12} \frac{68}{15} \frac{57}{18} \frac{53}{31} \frac{47}{50}$$

$$\frac{60}{50} \frac{57}{33} \frac{59}{23} \frac{63}{19} \frac{57}{18} \quad \frac{51}{10} \frac{55}{12} \frac{63}{15} \frac{64}{20} \frac{50}{37} \frac{50}{50}$$

$$\frac{61}{50} \frac{66}{30} \frac{69}{23} \frac{66}{17} \frac{59}{15} \frac{53}{5} \quad \frac{57}{10} \frac{70}{13} \frac{68}{16} \frac{59}{18} \frac{59}{29} \frac{54}{50}$$

$$\frac{72}{50} \frac{72}{30} \frac{74}{17} \frac{64}{15} \quad \frac{57}{11} \frac{63}{14} \frac{74}{16} \frac{74}{19} \frac{63}{34} \frac{57}{50}$$

$$\frac{74}{50} \frac{75}{33} \frac{69}{19} \frac{73}{18} \frac{73}{17} \frac{64}{15} \frac{58}{5} \quad \frac{63}{11} \frac{78}{13} \frac{78}{15} \frac{71}{17} \frac{65}{30} \frac{69}{50}$$

$$\frac{83}{50} \frac{83}{32} \frac{82}{16} \frac{65}{15} \quad \frac{59}{10} \frac{64}{14} \frac{76}{18} \frac{80}{20} \frac{74}{30} \frac{73}{50}$$

$$\frac{73}{50} \frac{73}{34} \frac{67}{20} \frac{53}{15} \frac{47}{5} \frac{53}{11} \frac{64}{17} \frac{66}{21} \frac{55}{24} \frac{46}{37} \frac{46}{50}$$

$$\frac{66}{50} \frac{61}{34} \frac{59}{24} \frac{63}{27} \frac{49}{16} \quad \frac{45}{13} \frac{51}{18} \frac{63}{25} \frac{65}{31} \frac{35}{50}$$

Sta	+	π	-	Elev	
		911.70			
130	+50				
131					
	+50				
	+78				
132					
	+50				
B.M.	6.32	912.94	5.14	906.64	906.62
	+89				
133					
	+07				
	+22.05				
B.M.			6.33	906.61	906.62

Curve X sections on next page.

Lt

Q

Rt

Q = Q Curve.

66	62	59	63	63	45	43	43
50	33	22	21	19	15		1

77	72	59	65	64	47	41	Q
50	34	20	18	17	13		8.5

82	79	74	52	45	43	29	
50	29	19	14		9	15	= 11' from Q of Curve.

82	80	75	55	49	50	55	37
50	30	18	13		14	17	23

82	80	71	55
50	30	18	14

50	52	64	64	36
	12	20	26	34

74	74	72	74	52	49	50	66	70	65
50	39	26	21	15		13	19	22	50

Spike in T.P. 50 Lt. 132+90.

72	70	67	91	90	64	59	59	79	82	80
50	40	27	23	20	15		15	22	32	50

104	93
50	28

69
23

61	59	81	80	79
90	21	27	35	50

75	71	62	58	58
50	25		25	50

10.1	9.0	8.2	7.2	6.3	5.9	5.5	5.3	5.3	5.6
200	150	100	50		50	100	150	200	250

Sta	+	π	-	Elev
B.M.	6.32	912.94		(906.62)

130 +50.74 See page

+50

131

+50

132

+50

134

+50

135

+50

+84.07

Lt

4

Rt

Spike in T.P. 50' Lt 132+90

$$\begin{array}{r} 55 \\ 15 \end{array} \frac{62}{20} \frac{75}{26} \frac{79}{33} \frac{46}{50} \frac{47}{50}$$

$$\begin{array}{r} 52 \\ 16 \end{array} \frac{67}{22} \frac{76}{28} \frac{79}{35} \frac{44}{50} \frac{46}{50}$$

$$\begin{array}{r} 51 \\ 11 \end{array} \frac{51}{10} \frac{55}{18} \frac{67}{23} \frac{77}{28} \frac{78}{36} \frac{87}{50} \frac{41}{50}$$

$$\frac{75}{33} \frac{76}{25} \frac{51}{17} \frac{47}{10} \frac{50}{7} \frac{52}{7} \frac{53}{7} \frac{67}{19} \frac{77}{21} \frac{77}{28} \frac{29}{36} \frac{25}{50}$$

$$\frac{76}{33} \frac{75}{25} \frac{71}{21} \frac{47}{13} \frac{51}{5} \frac{51}{8} \frac{53}{19} \frac{66}{22} \frac{77}{25} \frac{77}{30} \frac{66}{38} \frac{18}{50} \frac{12}{50}$$

$$\frac{77}{33} \frac{75}{20} \frac{50}{11} \frac{52}{7} \frac{55}{7} \frac{67}{19} \frac{76}{21} \frac{79}{26} \frac{71}{29} \frac{28}{36} \frac{28}{50}$$

$$\frac{53}{36} \frac{54}{21} \frac{50}{5}$$

$$\begin{array}{r} 52 \\ 5 \end{array} \frac{55}{14} \frac{64}{22} \frac{76}{28} \frac{76}{34} \frac{36}{50} \frac{41}{50}$$

$$\frac{53}{13} \frac{52}{7} \frac{54}{7}$$

$$\frac{68}{19} \frac{80}{22} \frac{78}{29} \frac{44}{34} \frac{50}{50}$$

$$\begin{array}{r} 59 \\ 17 \end{array} \frac{71}{22} \frac{85}{26} \frac{87}{29} \frac{75}{50} \frac{79}{50}$$

$$\frac{42}{50} \frac{50}{34} \frac{86}{29} \frac{87}{26} \frac{67}{18} \frac{63}{16} \frac{74}{16} \frac{87}{20} \frac{91}{24} \frac{79}{28} \frac{93}{50}$$

Sta	+	π	-	Elev	
		912.94			
136			6.6		
+50			7.3		
137			7.8		
+50			8.2		
138			8.4		
B.M.-			6.33	906.61	(906.62)

3-12-41

64

Lt

R

Rt

Sta

+

π

-

Elev.

Soundings
sta 27 to 28+50

Sta.	+	π	-	Elev.
------	---	-------	---	-------

27	+00			
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	+50			
--	-----	--	--	--

28				
----	--	--	--	--

	+50			
--	-----	--	--	--

Note: Push soundings are
meas. From natural ground.

33'

Lt

4

33'

Rt

1.6'

1.5'

1.0'

2.3'

3.0'

1.4'

3.0'

2.7'

2.4'

2.4'

2.0'

2.0'

