

Book- 38- Dr. 6

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PRELIMINARY Survey

HAMLIN AVE.

From Co. Rd. "A" To 1/2 Mi. No. of "C"

Road Acc't. No. 9

Filed 1923

File

Transit Notes
Hamline Ave From
Harper Ave To $\frac{1}{2}$ Mi. N of
County Road "C"

52+63¹⁴ Mont



29+78⁰ P.O.T.

261810 Rec.
261846 M

26+44⁶⁸ Mont

2644.40 Record



19+83⁵¹ P.O.T.

13+22.34 P.O.T.

0+00

4-11-33

Cloudy $\frac{3}{4}$ chilly.

{ Weber
Wilke
Stienman

± County Road "B"

55.14 18" Elm
51.19 Mont.
18" Oak

1839 Nail
R.R.
70.89
T.F.

± County Road

R.P. 53.83
42.22 T.F.
Mont.
41.21
38.42 P.F.
P.F.

A. 2

P.P. 50.72
55.14 10" B.E.
Nail

26.73 R.R. Spike.
30 mgs.
35.04
12" T. B.E.

± Larpenteur

Mont. Ave. Pave.

Hyd. → 45.81
22.86

131+5638 Mont

Tel
13156.95 Rec.
13156.38 M.

57-

105+37.30 Mont

2619.64 R
2619.08 M
→

83+99.18 P.O.T.

2640.66 Rec.
2640.21 M

78+97.09 Mont.

2634.15 Rec.
2633.95 M
→

4-20-33

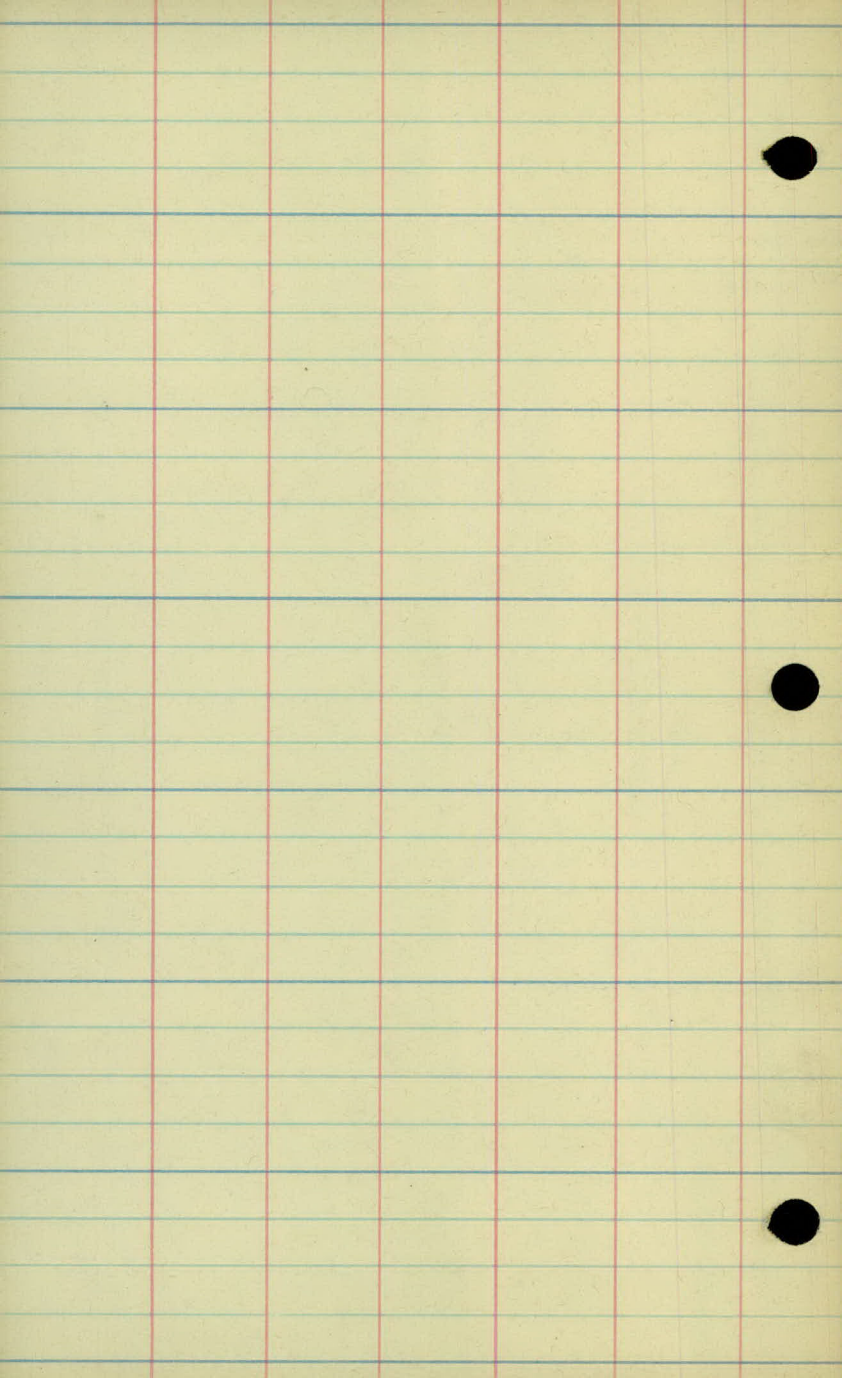
Windy but Clear.

18" Oak
E
S
P.P. 30.10
40.40 T.P.

P.P. 35.68
± Co. Rd "C" 19.95 T.P.
75.41
T.P.

P.P. 28.28
28.35 T.P.

6" Oak
54.13
53
35
P.P. 12.26 T.P.



Topog Hamline Ave

From

LARPEUR To $\frac{1}{2}$ mile N. of "C"

5

4

3

2

1

0

{ +60 Pr. Dr.
15" x 20' CM 20'
+42 Pr. Walk
12" x 6' CM 20' }

{ +99 Pr. Dr.
12" x 20' CM 20'
+79 Pr. Walk 12" x 6' CM
+57 P.P. 22 }

{ +49 Pr. Dr.
12" x 20' CM 20' }

{ +15 Pr. Walk
12" x 6' CM 20' }

{ +83 Pr. Dr. 20'
12" x 20' CM 20'
+67 Pr. Walk
12" x 6' CM 20' }

+18 Rd Sq 16'

+25 Pr. Dr.
12" x 20' CM 20'

+37 Rd Sq. 24
+32 I. Rd Sq. 31
+24 T.P. 30'
+26 End G.R. 25'
+15 Δ G.R. 37'

Le Carpentier

+76 T.P. 16'

F. 26

+46-12" Pop. 32'
+41 T.P. 15'
+32-18" Pop 32'

+00 F.int
F. 27'

+82 18" Pop 31'
+61-20" " 31'
+50-20" Pop. 31'

+14 T.P. 14'
+05-4' Ev. Gr. 32'
F. 26'

+26 Ev. Gr. 31'
+16-15" B.E. 37'
F. 25

+96 Ev. Gr. 30'
+86-24" Pop 30
+86-4' Ev. Gr. 37
+67 Pr. Dr.
+86 T.P. 14
+12' x 20' CM 17'
+54 End

F. 25

+64 Bey. Ran Ev. Gr. 37
+51-18" Bassd 28
+58 T.P. 13'
+38 Rd Sq 15'
+31 F. Cor 25'

+20 x Dr. # 9-1

Five

Cult.

Cult.

yard

yard

yard

Platted

Platted.

Platted.

33' 27'

11

10

9

8

7

6'

+97 T.P. 13'

+41 Pl. Ent.

Cultivated

+70 T.P. 14'

Cult

Cult.

210 22.5

+55 X Dr. # 9-16,
+41 T.P. 15'

+29-12" B.E. 20'

~~Cult.~~

+52 Beg. Cult.
+44 Pr. Dr. No. Cult.

+22 Hyd. 21'

+30 End Clearing 30'

+11 T.P. 15'

+00 Beg. Light Clearing 30'

{ +60 Pr. Dr.
12" X 20' CM. 22'

Cult

Plotted

20' 22.5

+08 Cross Dr. # 944

+01 T.P. 16'

F26
+00 End F.

{ +86 Pr. Dr.
12" X 24' CM 21'

Plotted

{ +25 Pr. Dr.
15" X 20' CM 20'

F26

Cult

17

16

15

14

13

12

+76 P.P. 28'

W
+99 T.P. 11
+92 T.P. 14
12 x 20 cm 14'
+78 Fence 17'

+52 P.P. 20'

+83 T.P. 11

{ +58 P.P. Dr.
12' x 20.5 cm 13

+59 T.P. 11

Cult.

Truck Garden.

Garden.

+43 T.P. 12'

15-46'

+20-30" Map. 27'

25.5 28

+61 I. Rd Sq. 20
{ +36 E Present Tr. Rd.
Garden Ave 12' x 40' cm 13
+22 F. 31
+08 T.P. 12
+06 X Dr. # 9-17
+99-12 Tr. BE 28'

Cult.

Cult.

23

22

21

20

19

18

+96 P.P. 29'

+75 Beg Cult.

+60 Pr Dr
15" x 20 CM 22'

+25-12" B.E. 24

+87-15" B.O. 24
+75 End Cult. Beg. Yard.
+56 P.P. 30'

+50 P.P. 29

+26 P.P. 28'

+05 P.P. 28'

YARD

Cult.

Cultivated

YARD

+96 Row Trees 30
Stb. Fr. Dr.
12" x 20 CM 25'

+20 End Cult.
+18-19" B.E. 33'
+00-36" B.E. 33'
+80 T.P. 12'
+84-6" 33'
+75 Cluster 4' 33'
+74 Rd Sq 13'
56-6" B.E. 33'
+51-6" " 33'
+37-18" " 31'
+24-6" " 31'
+16-6" " 32'

+92-10" B.E. 21

+65 Pr Dr.
12" x 20 CM 16'
+48 T.P. 13'

+36-6" B.E. 23

+92-10" B.E. 25'

+59-10" B.E. 23

+36 T.P. 12'
+35 10" B.E. 22'
+33-Group of 3 Ex Gr 44'

Cult.

Cult.

+68 Pr Dr.
12" x 20 CM 14'

+25 T.P. 15'

Lawn

29

28

27

26

25

24

+76 P.P. 18'

+08' T.P. 12'

+25 P.P. 19'

Hay Meadow

For Sale by
Cult. Nic P. then
H. 5256

+81 T.P. 12'

+95 P.P. 19'

+78 Beg. Meadow Planted.

+68 I. Rd. Sq. 25'

+86 T.P. 12'
+78 Beg. Cult.
+74 T.P. 37'

+44⁶⁸ Pond & 17.3

+16 P.P. 30'

+17 P.P. 27'

+16 P.P. 30'

+31 T.P. 13'

Cult.

Cult.

+42 4" Elm. 29'
+30 P.P. DV
12" x 20" C.P.B. 15'
+10 T.P. 12'

35

34

33

32

31

30

165 165

+99 X Dr. 9-25

+66 T.P. 13

Cult.

Cult.

+56 Fr. Dr.
+41 P.P. 20'

+58.30 Top 27'

+35 T.P. 13.

Cult.

+00 Beg. Cult.

+76 P.P. 19'

Cult.

+27'

+27 I. Rd. Sq. 19'

{ +99.5 E. Ryan Av.
15 x 42' cm 16'
+70 T.P. 13

Lawn

+00 End Cult

+65 T.P. 13

+20 P.P. 19'

Hay Meadow
Plotted

+20 X Rd Sign 18

Cult

+32 T.P. 13'

41

40

39

38

37

36

+83 P.P. 20'

Cult.

+55 Beg Cult.
+42-14" Elm 43'
{ +38 Pr Dr.
 10" X 20" Vit 19'
 +21-14" Elm 43'
 +20 P.P. 20'
 +03-14" Elm 43'

+82-12" Elm 43'

{ +37 Pr. Dr.
 10" X 22" CM 19'
 Tile on N. End.
+10-15" Elm 45'

+85 End Cult Beg Lawn

+63 Power P. 20'

Cult

+01 P.P. 20'

Hay Meadow

Yard

Cult.

Cult.

+56 X Dr. #9-30

+15 T.P. 13

{ +88 Pr. Dr.
 12" X 13" Vit 17'
 +75-15" B.E. 37'
 +62-12" B.E. 37'
 +54-8" W.O. 28'
 +43-12" B.E. 37'
 +29-14" O 34'
 { +11 Pr. Dr.
 12" X 20" CM 17'
 +86-12" O 27'
 +71 T.P. 13'

+46 T.P. 13'

+12' T.P. 13'

47

46

45

44

43

42

+35 RR 22

Cult

+79 T.P. 20'

Cult.

+16 RR 20'

+05 End Lennn Begg Cult.

Lawn

+10 Pr. Dr.

+51 PP 21'

Cult.

+95 T.P. 12'

Pasture

F 36'

+60 T.P. 15'
+34 Rd. 5g. 24'
+30 F.C. 36'

Eldridge St
{ +14 E. Present Rd.
12" x 36 G.M. 15'
+74 F. Cor. 34'

+23 T.P. 14'

F. 35

F 35

+86 T.P. 13

F 34

+49 T.P. 13'
+40 F. Cor. 33'

Pasture

53

52

51

50

49

48

+50-18" B.E. 27'

+20 P.P. 22'
+05 Beg. Cult.

+86 P.P. 24'

+38 P.P. 22'
+35 I.R. Sq. 21'

+77 Field Ent. abandoned
+50 P.P. 18'

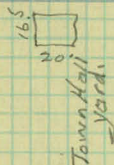
+95 P.P. 21'

{ +34 P.P. Div.
12' x 28' E.M. 19'

Cult.

Cult.

Cult. ~~Yard.~~



+00 Beg. Hay Fd.
+93-8" T.W. B.E. 32
+76 Cor. Shed 33

+43 T.P. 27
+38 15" Map 39

+03-20" E.M. 39
+99 G.P. 30'

+63 14' Plant $\pm$ '13"

+40 T.P. 41

+17-15" O 42

+94 T.P. 26

+42 F. Cor 34

F 33

+71 T.P. 12'

+43 S.W. Sq. 16

F 33

+46 F. Ent.
+37 F. Int. 33
+36 T.P. 12

F 34'

+81 X.R. Sq. 16'

F 35

Scattered Oaks

Pasture

59

58

57

56

55

54

+82-18" B.E. 26'

+62-18" B.E. 26

+46-15" B.E. 25

+25 P.P. 16'

+21-20" B.E. 25

+11 P.P. Dr.

+01-15" B.E. 25

yard.
~~X~~

+66 T.P. 17'

+27 P.P. Dr.
+15 End Hay Fd.
Beg. yard

+48 End Coll. Beg. yard

+33 T.P. 16.5'

+65 P.P. 17'

+07 T.P. 16'

+15 Rd Sq. 19
+11 T.P. 18

+80 T.P. 14'

+68 Rd Sq. 21
+64 P.P. 21

+50 T.P. 13'

65

64

63

62

61

60

+82 F. Cor 34

Pasture

+58 T.P.

20'

+73 X Dr. #9-33
+71 P.P. 28'

Low land

Cult.

+32 P.P. 28'

Hat.

Low land

Cult.

+66 T.P.

20'

+63 End Cult Beg.
of Low Wet land

+50 End Y.A. Beg. Cult.

+96 P.P. 28'

Cult.

+13' T.P.

19'

+69 P.P. Dr.
6" x 12" x 14" Box Cult. 20

yard

+60 P.P. 28'

Cult.

+90 T.P.

19'

+20 Beg. Cult.
+13-6" Linden 37'

X

xxxxx +52 F. 33
+45 Del. P.P. Dr.
15" x 40" C.M. - 18

yard

71

70

69

68

67

66

+98 P.P.

28

F33

+79 P.P.

27'

F. 34'

+56 P.P.

27'

F34'

+30 T.P.

28

F34'

+02 P.P.

27'

F34

Cultivated

Cult.

+14-24" Stump 16
+06 T.P. 14

+70 Beg. Wood 532
+64 End Cult.

+75 T.P. 15'

+40 T.P. 16'

+13 T.P. 17'

Woods

77

76

75

74

73

72

+47 T.P. 28'

F33

Pasture

Cult

+60 T.P. 12'

+16 - P.P. 28'

F33

Cult

+31 T.P. 13

F33

+89 P.P. 28'

Pasture.

Woods

+81 End Woods.

55'

+08 P.P. Ent.

+99 T.P. 12'

F33'

38'

Woods

+63 P.P. 28'

+67 T.P. 13

F34'

33'

Pasture

+31 P.P. 27

+36 T.P. 13

F33

35'

Woods

83

82

81

80

79

78

+97 P.P. 28'

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

Pasture.

F22'

+96 T.P. 13'

+67 P.P. 28'

Cult.

+20 End Small woods V 28'

F22

+58 Fld. Ent.

+37 P.P. 28'

Pasture.

+64 T.P. 13'

F24

Woods

26'

+00 Beg Small Wooded Area

+06 P.P. 28'

20'

+32 T.P. 13'

F28'

Light
Clearing.

Pasture

+40 X Dr #9-34

+97.09 F Cor 34'

X X X

□

+04 F Cor 31'

+99 T.P. 13'

+75 P.P. 28'

F34

Pasture

Cult.

89

88

87

86

85

84

+41 P.P. 29'

+48 T.P. 13'

Cult.

Cult.

+50 End Yard.
+27-15 B.E. 35
+27-12" Oak 27
+18 T.P. 13
+14-20" Oak 37

+98 P.P. 28'

+98-20" Stump 37
+80 P.P. Dr
+71-30" Stump 39
+67-12" Oak 36

Yard → Cult

Yard. ← Cult

+44-10" B.E. 36
+34-20" Stump 36
+20-20" Stump 36

+00 Beg. Cult.

+80 yard.
+78 T.P. 12

+74-6" Elm 34
+63 P.P. 28
+53-4" Elm 34
+37-4" Elm 34

+96 P.P. Dr 19'
12" x 24" C.M.



+27 P.P. 29'

Cult.

Cult.

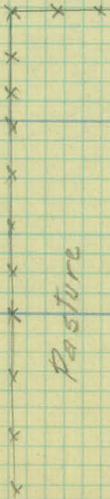
+57 F Cor 21
+51 T.P. 13
+

F21

Pasture

+25 T.P. 13
F21

Cult.



95



94

93



92

91

90



+91 P.P. 29'

Cult

Pasture.

+77 T.P. 15

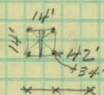
+50 P.P. 28'

Cult

Pasture.

+41 T.P. 14'

+34 Power Tr. 46'
+15 F.I.M.C. 23'
+10 P.P. 28'



14' x 14' Base
+32

+15 End Cult
+09 T.P. 14'

Cult

+76 P.P. 28'

Cult

+70 T.P. 14'

Cult

Cult.

101

100

99

98

97

96

+72-18" Oak 31'
 +54 Pr. Dr.
 +46 F line 22
 +45 P.P. 26
 +40 Hedge.
 +24 Pr. Dr.
 +15-20" Stump 26'

xxxxx
 Hedge.

+42-8" Birch 31'
 +09 P.P. 27'
 +99 Pr. Dr.
 +88 12" O. 29'
 +74 Gr. H. Sp. 34'

J. Weinberger
 Greenhouse
 yard.
 Pot hole.

+10 Pr. Dr.
 +00 Beg. yard.
 +92 P.P. 28'

+66 P.P. 28'

+35 End Cult. Beg. Pot hole.

+29 P.P. 28'

Cult.

26'
 28'

Pasture
 yard

24'
 27'

yard
 Pasture

Pasture

+90 Beg. Light
 Oleander 27'
 +61 End Row Trees 26'
 +12 T.P. 17'
 +09 BH Sq. 24' 28'
 +01 F. Cor. and Row 16'

+45 Pr. Dr.
 +29 End Row Trees

+97 Pr. Dr.
 12" x 12" CM
 19" P.P.
 +86 T.P. 17' x 6-10"
 +78 Beg. Row Trees
 +75 Xing Sq. 21'

+27 4" will 33'

+65 Beg. yard.
 +57 T.P. 16'

+22 T.P. 15'

+06 T.P. 16'

107

106

105

104

103

102

F17

F20

+51 R.R.Sg 19'

+65 T.P. 21'

Cult.

+02 P.P. 24' F16'

Cult.

F21

F15'

Cult.

+71 I. Rd Sg 20'

+64 P.P. 24'

+57 F. Ang. 34'

x x x x x

Cult.

+36 TP 22'

F20

+38 Rd Sg 19'

+36 T.P. 20'

+36 F. Cor 20'

+73 T.P. 43'

+67 P.P. 24'

+67 R/W F. 30'

+49 King Sg 12'

+30 $\pm$ Spur Tr.

+16 Main Tr.

Cult.

+91 T.P. 19'

+69 12" Oak 32'

+66 W F 36'

+67 P.P. 25'

+64-12" Oak 18'

+61-12" Oak 38'

+52-12" Oak 37'

+36 Pr. Dr.

+24-12" Oak 17'

+00 30" Oak 38'

+87-6" Oak 23'

+82 P.P. 25'

+77-10" Oak 19'

+67-15" Oak 34'

+50-12" Oak 24'

+37-10" Oak 39'

+22-15" Oak 19'

+04-10" Oak 18'

+58 End 4' Conc. walk 12 ft.

Yard

Yard

x x x

+08 X Dr. #9.38

+01 King Sg 16'

+66 F. Cor 25'

+65 T.P. 18'

+46 End L. Clg. 28'

F26'

+92 X Dr. #9.37

Yard

+29 T.P. 18'

F25

113

112

111

110

109

108

F18
+96-18" Oak 31'
+

+36 15" Oak 35
+26 P.P. 27'

F19'

+80 End Sq. 19'
+57 15" Oak 34'
+52 G.P. 19
+42 P.P. 27

+18-15" Oak 29'
F18
+98 Fld. Ent.

+02 P.P. 26' F18

F18

+73 P.P. 25

F18'

+46 Rd Sq. 18'
+42 P.P. 25

F17

Cult.

Cult.

Cult.

Cult.

Cult.

Cult.

Yard

Yard

Cult.

Cult.

F18'

+28 Ang.F 18'
+17 T.P. 19'
+05 G.P. 25'

+20 Appr. E. Co. Rd. C
on Left.
+01 Tractor Sq 31

+54 T.P. 33
+47 Rd Sq 28'
+41 T.P. 23'
+40-Cluster 3-6" Ex. Gr. 37'

+25-6" Elm 41

+93-10" Elm 40

+51 P.P. Dr. 38'
+41-10" Elm 38'
+35 T.P. 21'

+00-Cluster 3" Ex. Gr. 36'
+86 End F 21

+22 T.P. 21'
F20

F21'
+90 T.P. 21'
+87 Rd Sq. 21

F20

119

118

117

116

115

114

F28'

F18

+89 P.R. 28

+55 Fld. Ent.
+47 Jeq. in F.

F28'

Cult.

*****28'

F32

Cult.

+59 F. Int 33

+50 P.R. 28'

F31

Orchard

+27 R.R. Sq. 25
+11 P.R. 28'
+00-N" BE. 30 Beg. F 20
+94-T.R. 19
+87-15" BE 31
+67-15" BE. 31
+47-15" BE 30'
+31 P.R. Dr
15" X 21-CM
+27 F Cor. 33
+19 Ang F 18'
F18

Jard

+65 P.R. 28'

Cult.

+05=Fld Ent.
12" X 16' CM 21' F17

+67 T.P. 18'

F19

+30 T.P. 18'
+25 Beg Pothole
F18'

+21 T.P. 19'
F18'

Cult.

F18'

+83 T.P. 19'

Cult.

F18'

+56 T.P. 19'

Cult.

F20

125

124

123

122

121

120

+97 P.P. 30' F30
+88 Fld Ent

+42 T.P. 17'

F30'

F16'

+57 P.P. 30'

Cult.

F30'

Cult.

F16' +06' T.P. 16'

+14 P.P. 30'
F30

Cult.

F17

+57 T.P. 17'

F29

Cult.

F18

+69 P.P. 29

Cult.

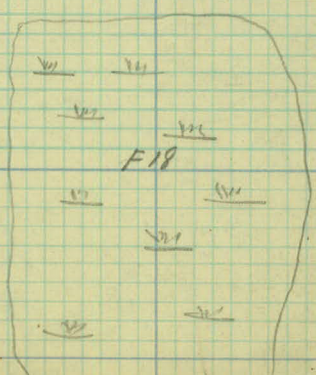
F29

+11 T.P. 18'
F18'

+32 P.P. 29

Cult.

F28



131

130

129

128

127

126

+57 P.P. 31 and F.

F 30'

Farm Yard

+25 P.P. 30 Cor F.

+70 Appr.

Horse Shoe Drive

+86 P.P. 31

Farm Yard

+66 F Cor. 31'

F 31'

+42 P.P. 30'

F 30'

Pasture

+13 F Int.

30
F 30'

Cult.

xxxxx
xxxxx
x

+57 F line 28
+50 F Id Ent
15"x24" cm 25'
+43 F Cor 19'

F 17'

Cult

+24 T.P. 16'

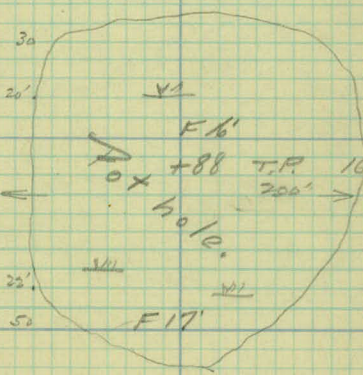
F 16'

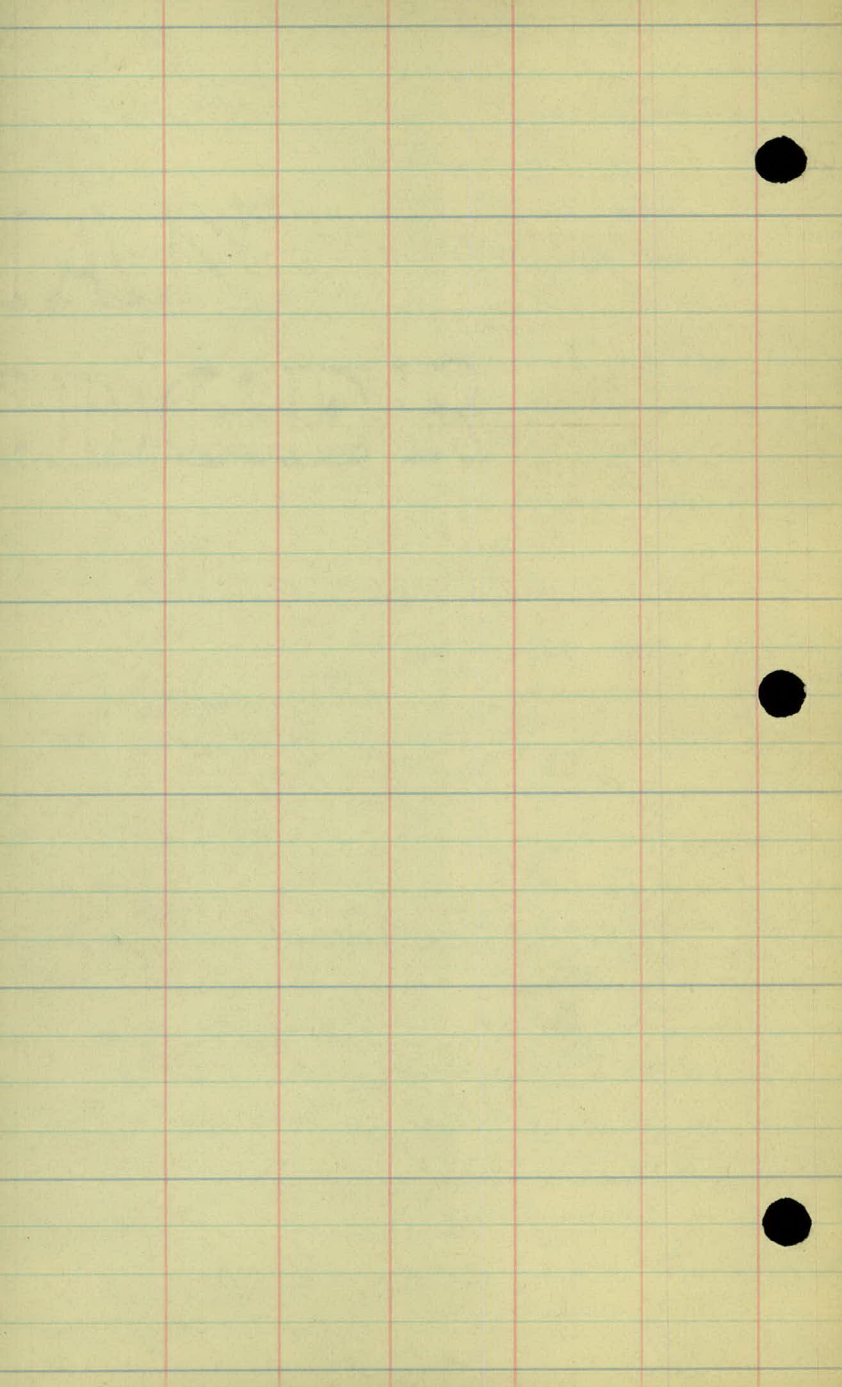
F 16'

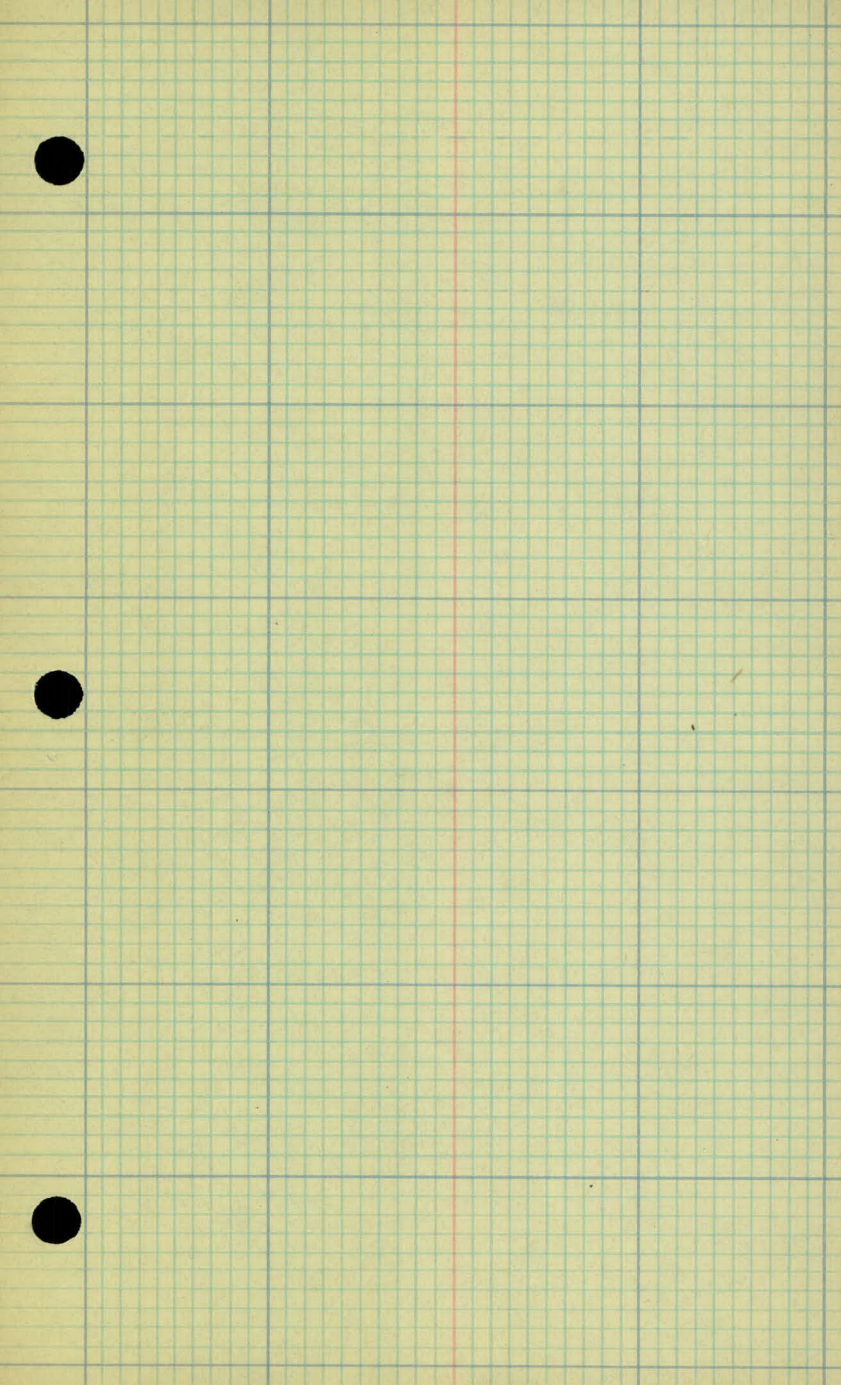
+82 T.P. 16'

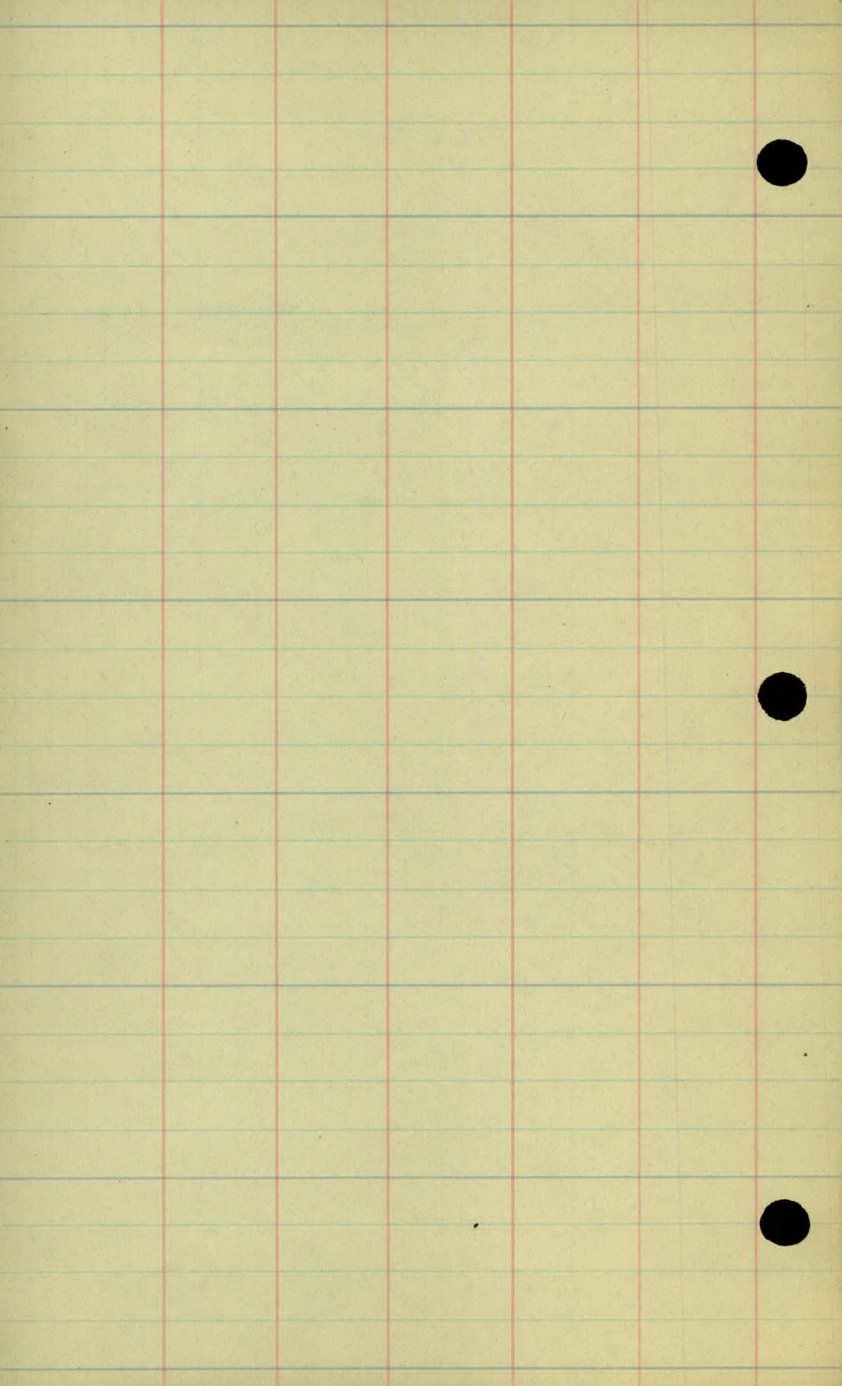
Cult.

F 16'









Xsection 10175.

Hawline Ave.

STA.	+	HI ✓	-	Elev
B.M.	5.96	951.30		945.34

0+00				45.3
------	--	--	--	------

+17				45.3
-----	--	--	--	------

+20				45.3
-----	--	--	--	------

+23				45.3
-----	--	--	--	------

+31				45.3
-----	--	--	--	------

+50				45.4
-----	--	--	--	------

1				46.0
---	--	--	--	------

+50				47.0
-----	--	--	--	------

2				47.6
---	--	--	--	------

+50				48.3
-----	--	--	--	------

3				48.7
---	--	--	--	------

+50				48.9 ✓
-----	--	--	--	--------

T.P.	3.32	951.82 ✓	2.80	948.50
------	------	----------	------	--------

4				48.6
---	--	--	--	------

N.W. Cor. Mont. Int. Hamline³/₄ Larp. Ave.

$$\frac{5.8}{60} \quad \frac{60}{25} \quad \frac{83}{60}$$

$$\frac{62}{60} \quad \frac{61}{36} \quad \frac{5.9}{7} \quad 60 \quad \frac{7.3}{29} \quad \frac{83}{60}$$

$$\frac{93}{60} \quad \frac{100}{34} \quad \frac{61}{31} \quad \frac{5.9}{12} \quad 60 \quad \frac{7.2}{21} \quad \frac{81}{27} \quad \frac{10.6}{28} \quad \frac{11.2}{60}$$

$$\frac{60}{60} \quad \frac{64}{37} \quad \frac{91}{34} \quad \frac{61}{30} \quad \frac{5.9}{7} \quad 60 \quad \frac{7.2}{19} \quad \frac{84}{27} \quad \frac{100}{60}$$

$$\frac{64}{60} \quad \frac{6.5}{32} \quad \frac{76}{30} \quad \frac{7.6}{27} \quad \frac{64}{23} \quad \frac{5.7}{8} \quad 60 \quad \frac{7.3}{15} \quad \frac{5.1}{19} \quad \frac{4.7}{38} \quad \frac{4.1}{60}$$

$$\frac{87}{60} \quad \frac{63}{25} \quad \frac{74}{23} \quad \frac{74}{21} \quad \frac{64}{19} \quad \frac{5.8}{9} \quad 5.9 \quad \frac{7.0}{13} \quad \frac{5.8}{15} \quad \frac{4.9}{32} \quad \frac{4.5}{60}$$

$$\frac{5.9}{60} \quad \frac{5.8}{24} \quad \frac{70}{22} \quad \frac{70}{20} \quad \frac{60}{18} \quad \frac{5.2}{6} \quad 5.3 \quad \frac{5.8}{9} \quad \frac{6.8}{11} \quad \frac{6.8}{13} \quad \frac{5.7}{14} \quad \frac{5.3}{27} \quad \frac{4.8}{60}$$

$$\frac{5.7}{60} \quad \frac{5.2}{24} \quad \frac{63}{22} \quad \frac{63}{20} \quad \frac{5.5}{18} \quad \frac{4.3}{4} \quad 4.3 \quad \frac{4.8}{10} \quad \frac{5.9}{12} \quad \frac{5.9}{14} \quad \frac{5.1}{15} \quad \frac{4.8}{28} \quad \frac{4.3}{60}$$

$$\frac{5.3}{60} \quad \frac{4.3}{23} \quad \frac{5.5}{21} \quad \frac{5.5}{19} \quad \frac{4.4}{18} \quad \frac{3.7}{10} \quad 3.7 \quad \frac{4.6}{11} \quad \frac{5.4}{12} \quad \frac{5.4}{14} \quad \frac{4.5}{15} \quad \frac{4.3}{27} \quad \frac{4.0}{60}$$

$$\frac{3.5}{60} \quad \frac{3.6}{23} \quad \frac{4.8}{21} \quad \frac{4.8}{19} \quad \frac{3.8}{17} \quad \frac{3.1}{6} \quad 3.0 \quad \frac{3.8}{11} \quad \frac{4.6}{13} \quad \frac{4.6}{15} \quad \frac{4.0}{16} \quad \frac{3.0}{22} \quad \frac{2.8}{60}$$

$$\frac{2.5}{60} \quad \frac{2.7}{23} \quad \frac{4.0}{21} \quad \frac{4.0}{19} \quad \frac{3.4}{17} \quad \frac{2.8}{10} \quad 2.6 \quad \frac{3.1}{11} \quad \frac{3.5}{13} \quad \frac{3.5}{15} \quad \frac{2.7}{16} \quad \frac{3.0}{19} \quad \frac{1.9}{22} \quad \frac{1.9}{60}$$

$$\frac{14}{60} \quad \frac{2.0}{29} \quad \frac{37}{21} \quad \frac{37}{19} \quad \frac{2.8}{17} \quad \frac{3.6}{11} \quad 2.4 \quad \frac{3.0}{11} \quad \frac{3.3}{13} \quad \frac{3.3}{15} \quad \frac{2.1}{17} \quad \frac{1.4}{23} \quad \frac{1.6}{60}$$

$$\frac{2.1}{60} \quad \frac{2.5}{23} \quad \frac{4.2}{21} \quad \frac{4.2}{19} \quad \frac{3.6}{17} \quad \frac{3.2}{4} \quad 3.2 \quad \frac{3.8}{11} \quad \frac{4.6}{14} \quad \frac{4.6}{16} \quad \frac{3.6}{17} \quad \frac{2.0}{23} \quad \frac{2.6}{60}$$

STA. + H1 ✓ - Elev.

951.82

+50

48.0

5

46.8

+50

45.6

6

44.8

+50

44.0

7

43.4

✓ +50

✓

✓

42.9

T.P.

5.25

948.03

9.04

942.78

8

42.7

+50

42.4

+53

42.4

9

42.1

+50

41.7

10

41.5

Fair 4.20-33

LEFT.

✂

RIGHT

$\frac{21}{60}$ $\frac{3.2}{23}$ $\frac{4.7}{21}$ $\frac{4.0}{16}$ 3.8 $\frac{4.5}{12}$ $\frac{5.1}{14}$ $\frac{5.1}{16}$ $\frac{4.0}{18}$ $\frac{2.7}{24}$ $\frac{3.0}{60}$

$\frac{3.3}{60}$ $\frac{4.5}{23}$ $\frac{6.1}{21}$ $\frac{5.2}{13}$ 5.0 $\frac{5.7}{11}$ $\frac{6.5}{15}$ $\frac{6.5}{17}$ $\frac{6.1}{19}$ $\frac{3.8}{24}$ $\frac{4.3}{60}$

$\frac{4.0}{60}$ $\frac{4.8}{41}$ $\frac{5.9}{23}$ $\frac{7.2}{21}$ $\frac{6.2}{15}$ 6.2 $\frac{7.0}{11}$ $\frac{8.2}{16}$ $\frac{9.2}{18}$ $\frac{6.2}{25}$ $\frac{7.0}{44}$ $\frac{7.0}{60}$

$\frac{4.4}{60}$ $\frac{5.1}{44}$ $\frac{6.2}{42}$ $\frac{7.6}{23}$ $\frac{8.5}{22}$ $\frac{8.5}{20}$ $\frac{8.0}{19}$ $\frac{7.5}{15}$ $\frac{7.0}{5}$ 7.0 $\frac{7.6}{11}$ $\frac{8.6}{20}$ $\frac{10.4}{24}$ $\frac{10.6}{41}$ $\frac{10.8}{60}$

$\frac{6.2}{60}$ $\frac{7.6}{27}$ $\frac{8.5}{23}$ $\frac{9.3}{22}$ $\frac{9.3}{20}$ $\frac{8.6}{19}$ $\frac{8.4}{15}$ 7.8 $\frac{8.4}{11}$ $\frac{9.4}{18}$ $\frac{13.0}{27}$ $\frac{13.0}{41}$ $\frac{13.3}{60}$

$\frac{6.5}{60}$ $\frac{6.8}{46}$ $\frac{7.5}{42}$ $\frac{8.0}{31}$ $\frac{9.1}{23}$ $\frac{10.0}{22}$ $\frac{10.0}{20}$ $\frac{9.1}{19}$ $\frac{8.1}{16}$ 8.4 $\frac{9.0}{10}$ $\frac{9.9}{22}$ $\frac{12.8}{28}$ $\frac{13.5}{42}$ $\frac{15.0}{60}$

$\frac{6.4}{60}$ $\frac{7.1}{43}$ $\frac{8.7}{23}$ $\frac{9.6}{22}$ $\frac{9.6}{20}$ $\frac{8.9}{19}$ 8.9 $\frac{9.5}{11}$ $\frac{10.4}{29}$ $\frac{12.0}{40}$ $\frac{12.6}{50}$ $\frac{13.8}{60}$

$\frac{1.0}{60}$ $\frac{1.5}{46}$ $\frac{3.8}{42}$ $\frac{4.3}{30}$ $\frac{5.8}{21}$ $\frac{5.6}{15}$ 5.3 $\frac{5.9}{11}$ $\frac{6.3}{15}$ $\frac{6.0}{21}$ $\frac{7.3}{27}$ $\frac{7.1}{32}$ $\frac{10.2}{60}$

$\frac{2.2}{60}$ $\frac{3.4}{42}$ $\frac{5.6}{23}$ $\frac{5.6}{13}$ 5.6 $\frac{6.3}{11}$ $\frac{6.6}{20}$ $\frac{6.2}{23}$ $\frac{8.1}{29}$ $\frac{9.7}{37}$ $\frac{12.2}{60}$

$\frac{1.6}{60}$ $\frac{2.2}{29}$ $\frac{3.1}{25}$ $\frac{5.5}{23}$ $\frac{5.7}{14}$ 5.6 $\frac{6.3}{11}$ $\frac{6.7}{21}$ $\frac{6.4}{24}$ $\frac{8.0}{30}$ $\frac{9.8}{37}$ $\frac{12.3}{60}$

$\frac{1.3}{60}$ $\frac{2.7}{30}$ $\frac{3.6}{25}$ $\frac{6.4}{23}$ $\frac{6.1}{14}$ 5.9 $\frac{6.4}{10}$ $\frac{7.8}{23}$ $\frac{10.0}{27}$ $\frac{12.0}{33}$ $\frac{15.7}{60}$

$\frac{1.9}{60}$ $\frac{4.4}{25}$ $\frac{7.2}{23}$ $\frac{6.4}{13}$ 6.3 $\frac{6.8}{10}$ $\frac{7.4}{17}$ $\frac{14.8}{35}$ $\frac{19.2}{60}$

$\frac{2.9}{60}$ $\frac{4.2}{34}$ $\frac{5.0}{25}$ $\frac{6.5}{23}$ $\frac{6.4}{14}$ 6.5 $\frac{6.9}{9}$ $\frac{7.6}{17}$ $\frac{16.0}{35}$ $\frac{19.5}{60}$

STA. + HI - Elev

948.03

+50

41.8

11

42.6

+50

42.9

12

42.8

+50

42.7

B.M.

4.81

948.47

4.37

943.66

13

42.7

+38

42.9

Present Tr. Garden Ave Under Construction

14

43.3

+50

43.8

15

44.1

+50

44.1

16

44.4

+50

44.5

Windy Cool 4-21-33

LEFT

2

RIGHT

$\frac{23}{60}$ $\frac{3.7}{36}$ $\frac{4.8}{24}$ $\frac{6.3}{23}$ $\frac{6.1}{13}$ 6.2 $\frac{6.6}{9}$ $\frac{7.9}{18}$ $\frac{11.5}{26}$ $\frac{13.2}{33}$ $\frac{16.4}{60}$

$\frac{1.1}{60}$ $\frac{3.6}{30}$ $\frac{5.7}{19}$ $\frac{5.4}{14}$ 5.4 $\frac{5.8}{9}$ $\frac{6.7}{18}$ $\frac{8.7}{22}$ $\frac{9.1}{25}$ $\frac{8.5}{28}$ $\frac{11.0}{38}$ $\frac{17.3}{60}$

$\frac{2.4}{60}$ $\frac{3.3}{46}$ $\frac{4.4}{28}$ $\frac{4.8}{13}$ 5.1 $\frac{5.5}{10}$ $\frac{6.8}{19}$ $\frac{8.5}{22}$ $\frac{9.0}{28}$ $\frac{10.7}{32}$ $\frac{13.1}{43}$ $\frac{15.2}{60}$

$\frac{2.4}{60}$ $\frac{3.3}{39}$ $\frac{4.4}{26}$ $\frac{5.4}{19}$ $\frac{5.3}{12}$ 5.2 $\frac{5.6}{9}$ $\frac{7.3}{21}$ $\frac{11.8}{29}$ $\frac{12.0}{32}$ $\frac{12.9}{35}$ $\frac{12.6}{46}$ $\frac{11.6}{60}$

$\frac{2.8}{60}$ $\frac{4.3}{32}$ $\frac{5.9}{20}$ $\frac{5.4}{13}$ 5.3 $\frac{5.8}{9}$ $\frac{7.0}{19}$ $\frac{9.8}{25}$ $\frac{9.8}{29}$ $\frac{8.7}{34}$ $\frac{6.7}{60}$

13+20-30' Lt Spk in 30' Pop.

$\frac{4.2}{60}$ $\frac{5.9}{40}$ $\frac{5.7}{26}$ $\frac{6.2}{19}$ $\frac{6.0}{15}$ 5.8 $\frac{6.1}{70}$ $\frac{6.7}{15}$ $\frac{7.9}{21}$ $\frac{7.1}{28}$ $\frac{5.7}{34}$ $\frac{4.8}{60}$

$\frac{5.0}{60}$ $\frac{5.4}{38}$ $\frac{5.8}{23}$ $\frac{6.7}{21}$ $\frac{6.7}{19}$ $\frac{5.8}{16}$ 5.6 $\frac{5.8}{9}$ $\frac{5.2}{33}$ $\frac{4.7}{60}$

$\frac{5.5}{60}$ $\frac{5.8}{39}$ $\frac{5.9}{23}$ $\frac{6.5}{21}$ $\frac{6.5}{19}$ $\frac{5.7}{16}$ 5.2 $\frac{5.6}{8.0}$ $\frac{6.1}{13}$ $\frac{6.8}{15}$ $\frac{6.8}{17}$ $\frac{5.0}{19}$ $\frac{4.2}{35}$ $\frac{3.8}{60}$

$\frac{5.8}{60}$ $\frac{5.6}{35}$ $\frac{5.6}{22}$ $\frac{6.0}{21}$ 6.0 $\frac{5.3}{19}$ 4.7 $\frac{5.0}{7}$ $\frac{5.5}{13}$ $\frac{6.4}{14}$ $\frac{6.4}{16}$ $\frac{3.8}{18}$ $\frac{3.2}{35}$ $\frac{2.8}{60}$

$\frac{5.6}{60}$ $\frac{5.0}{40}$ $\frac{4.9}{23}$ $\frac{5.8}{22}$ $\frac{5.8}{20}$ $\frac{4.9}{18}$ 4.4 $\frac{5.0}{12}$ $\frac{6.0}{14}$ $\frac{6.0}{17}$ $\frac{3.5}{19}$ $\frac{2.5}{35}$ $\frac{2.3}{60}$

$\frac{6.2}{60}$ $\frac{5.9}{38}$ $\frac{5.4}{23}$ $\frac{5.7}{22}$ $\frac{5.7}{20}$ $\frac{5.1}{18}$ $\frac{4.4}{7}$ 4.4 $\frac{4.9}{12}$ $\frac{5.9}{14}$ $\frac{5.9}{17}$ $\frac{4.0}{18}$ $\frac{3.1}{30}$ $\frac{2.5}{60}$

$\frac{6.6}{60}$ $\frac{6.2}{39}$ $\frac{6.1}{23}$ $\frac{5.7}{19}$ $\frac{4.7}{16}$ $\frac{4.1}{7}$ 4.1 $\frac{4.7}{11}$ $\frac{5.8}{14}$ $\frac{5.8}{17}$ $\frac{4.1}{18}$ $\frac{3.9}{37}$ $\frac{3.0}{60}$

$\frac{6.7}{60}$ $\frac{6.4}{35}$ $\frac{6.6}{23}$ $\frac{5.2}{21}$ $\frac{4.4}{17}$ $\frac{3.9}{6}$ 4.0 $\frac{4.4}{11}$ $\frac{5.4}{13}$ $\frac{5.4}{16}$ $\frac{4.6}{17}$ $\frac{4.1}{37}$ $\frac{3.6}{60}$

STA. + H1 ✓ - Elev
948.47

17 44.6

+50 44.8

18 45.2

+50 ✓ 45.5

T.P. 10.16 95579 ✓ 2.84 945.63 ✓

19 46.0

+50 46.6

20 47.4

+50 48.1

21 48.9

+50 49.8

22 50.5

+50 51.2

23 51.5

Very Windy Cool 4 - 21 - 33

LEFT

✂

RIGHT

$\frac{6.7}{60}$ $\frac{6.3}{40}$ $\frac{6.1}{23}$ $\frac{4.5}{16}$ $\frac{4.0}{7}$ 3.9 $\frac{4.5}{10}$ $\frac{5.5}{13}$ $\frac{5.5}{15}$ $\frac{4.7}{17}$ $\frac{4.3}{36}$ $\frac{3.9}{60}$

$\frac{6.4}{60}$ $\frac{5.9}{37}$ $\frac{5.6}{22}$ $\frac{4.6}{17}$ $\frac{3.8}{7}$ 3.7 $\frac{4.3}{10}$ $\frac{5.4}{13}$ $\frac{5.4}{15}$ $\frac{4.9}{16}$ $\frac{4.1}{44}$ $\frac{3.8}{60}$

$\frac{5.6}{60}$ $\frac{5.2}{41}$ $\frac{4.9}{22}$ $\frac{4.0}{16}$ $\frac{3.5}{7}$ 3.4 $\frac{4.0}{9}$ $\frac{4.2}{12}$ $\frac{5.1}{14}$ $\frac{5.1}{16}$ $\frac{4.3}{17}$ $\frac{4.1}{37}$ $\frac{4.1}{60}$

$\frac{5.5}{60}$ $\frac{5.1}{42}$ $\frac{4.7}{21}$ $\frac{3.8}{16}$ $\frac{3.4}{13}$ $\frac{3.1}{6}$ 3.0 $\frac{3.6}{11}$ $\frac{4.8}{13}$ $\frac{4.8}{15}$ $\frac{4.1}{17}$ $\frac{3.8}{35}$ $\frac{3.7}{60}$

$\frac{12.2}{60}$ $\frac{12.2}{40}$ $\frac{10.8}{20}$ $\frac{10.4}{14}$ $\frac{9.9}{5}$ 9.8 $\frac{10.4}{11}$ $\frac{11.4}{14}$ $\frac{10.6}{16}$ $\frac{10.3}{32}$ $\frac{9.6}{60}$

$\frac{11.6}{60}$ $\frac{11.5}{45}$ $\frac{11.1}{20}$ $\frac{9.9}{15}$ $\frac{9.2}{6}$ 9.2 $\frac{9.7}{11}$ $\frac{10.5}{14}$ $\frac{10.5}{16}$ $\frac{9.6}{17}$ $\frac{8.5}{25}$ $\frac{7.9}{38}$ $\frac{7.7}{60}$

$\frac{10.3}{60}$ $\frac{10.3}{41}$ $\frac{10.4}{24}$ $\frac{10.0}{19}$ $\frac{9.6}{14}$ $\frac{8.4}{5}$ 8.4 $\frac{9.0}{11}$ $\frac{9.6}{13}$ $\frac{9.6}{15}$ $\frac{8.6}{18}$ $\frac{6.3}{34}$ $\frac{6.1}{60}$

$\frac{9.4}{60}$ $\frac{9.3}{42}$ $\frac{9.4}{20}$ $\frac{8.5}{15}$ $\frac{7.7}{6}$ 7.7 $\frac{8.4}{12}$ $\frac{9.6}{14}$ $\frac{9.6}{16}$ $\frac{8.6}{18}$ $\frac{8.8}{21}$ $\frac{6.2}{27}$ $\frac{6.5}{30}$ $\frac{6.5}{42}$ $\frac{6.5}{60}$

$\frac{8.2}{60}$ $\frac{8.2}{39}$ $\frac{7.8}{26}$ $\frac{8.2}{22}$ $\frac{8.1}{18}$ $\frac{7.5}{14}$ $\frac{6.9}{6}$ 6.9 $\frac{7.7}{13}$ $\frac{8.5}{15}$ $\frac{8.5}{17}$ $\frac{7.9}{18}$ $\frac{8.0}{22}$ $\frac{5.0}{27}$ $\frac{4.8}{40}$ $\frac{4.8}{60}$

$\frac{6.5}{60}$ $\frac{6.7}{41}$ $\frac{6.4}{23}$ $\frac{7.6}{21}$ $\frac{6.5}{13}$ $\frac{6.0}{5}$ 6.0 $\frac{6.6}{13}$ $\frac{7.6}{15}$ $\frac{7.6}{17}$ $\frac{6.6}{21}$ $\frac{4.3}{26}$ $\frac{4.2}{40}$ $\frac{5.3}{60}$

$\frac{5.6}{60}$ $\frac{5.6}{41}$ $\frac{5.3}{26}$ $\frac{5.7}{23}$ $\frac{6.9}{21}$ $\frac{6.1}{16}$ $\frac{5.6}{13}$ $\frac{5.2}{5}$ 5.3 $\frac{6.2}{14}$ $\frac{6.8}{16}$ $\frac{5.6}{22}$ $\frac{4.0}{31}$ $\frac{4.4}{46}$ $\frac{5.4}{60}$

$\frac{5.9}{60}$ $\frac{5.4}{37}$ $\frac{4.7}{25}$ $\frac{5.2}{23}$ $\frac{6.3}{22}$ $\frac{6.3}{19}$ $\frac{5.5}{17}$ $\frac{4.6}{6}$ 4.6 $\frac{5.6}{12}$ $\frac{6.7}{15}$ $\frac{6.7}{18}$ $\frac{5.6}{20}$ $\frac{2.8}{26}$ $\frac{2.5}{35}$ $\frac{2.7}{47}$ $\frac{3.7}{60}$

$\frac{4.4}{60}$ $\frac{4.5}{40}$ $\frac{4.0}{24}$ $\frac{6.1}{22}$ $\frac{6.1}{19}$ $\frac{5.1}{16}$ $\frac{4.3}{6}$ 4.3 $\frac{4.8}{11}$ $\frac{6.1}{14}$ $\frac{6.1}{17}$ $\frac{5.2}{19}$ $\frac{1.4}{28}$ $\frac{0.9}{34}$ $\frac{1.7}{60}$

STA.	+	H.I. ✓	-	Elev
		955.79		
+50				51.8
24				51.8
+50				51.8
25				51.9
+50				52.1
B.M.	10.18	✓ 962.31	3.65	✓ 952.14 952.13
26				52.5
+27			Toe Shoulder A3	53.0
+32			Top " -	53.1
+44 ⁶⁸		✓ A3		53.4
+56				53.5
+65				53.6
27				54.0
+50				55.4

$\frac{4.2}{60}$ $\frac{4.3}{43}$ $\frac{4.5}{24}$ $\frac{5.8}{23}$ $\frac{5.8}{21}$ $\frac{4.6}{20}$ $\frac{4.0}{4}$ 4.0 $\frac{4.6}{12}$ $\frac{5.9}{14}$ $\frac{5.9}{16}$ $\frac{5.0}{18}$ $\frac{4.6}{21}$ $\frac{4.0}{24}$ $\frac{3.3}{41}$ $\frac{3.0}{60}$

$\frac{5.0}{60}$ $\frac{5.0}{41}$ $\frac{5.2}{25}$ $\frac{5.6}{22}$ $\frac{4.9}{20}$ $\frac{4.0}{6}$ 4.0 $\frac{4.4}{12}$ $\frac{5.7}{15}$ $\frac{5.7}{17}$ $\frac{4.5}{20}$ $\frac{4.3}{38}$ $\frac{4.5}{60}$

$\frac{5.6}{60}$ $\frac{5.5}{45}$ $\frac{5.6}{19}$ $\frac{4.6}{16}$ $\frac{4.0}{5}$ 4.0 $\frac{4.6}{12}$ $\frac{5.9}{15}$ $\frac{5.9}{17}$ $\frac{5.3}{20}$ $\frac{5.3}{33}$ $\frac{5.3}{60}$

$\frac{6.1}{60}$ $\frac{6.0}{39}$ $\frac{6.1}{20}$ $\frac{4.8}{15}$ $\frac{3.9}{4}$ 3.9 $\frac{4.7}{12}$ $\frac{5.7}{15}$ $\frac{5.7}{17}$ $\frac{4.8}{20}$ $\frac{5.1}{33}$ $\frac{5.2}{60}$

$\frac{5.9}{60}$ $\frac{5.9}{39}$ $\frac{5.9}{20}$ $\frac{4.8}{16}$ $\frac{4.2}{13}$ 3.7 $\frac{4.2}{12}$ $\frac{5.6}{16}$ $\frac{5.6}{18}$ $\frac{4.6}{20}$ $\frac{4.3}{42}$ $\frac{4.1}{60}$

Spk in P.P. S.W. cor. Hamline and A. 2

$\frac{12.6}{60}$ $\frac{12.4}{36}$ $\frac{12.5}{19}$ $\frac{10.5}{16}$ $\frac{9.9}{4}$ 9.8 $\frac{10.4}{12}$ $\frac{11.9}{16}$ $\frac{11.9}{18}$ $\frac{11.2}{26}$ $\frac{11.5}{40}$ $\frac{11.2}{60}$

$\frac{12.3}{60}$ $\frac{12.3}{43}$ $\frac{10.4}{32}$ $\frac{9.5}{8}$ 9.3 $\frac{9.5}{12}$ $\frac{10.1}{29}$ $\frac{10.9}{40}$ $\frac{10.7}{60}$

$\frac{11.1}{60}$ $\frac{10.3}{37}$ $\frac{9.3}{8}$ 9.2 $\frac{9.2}{17}$ $\frac{9.4}{42}$ $\frac{9.1}{60}$

$\frac{10.6}{60}$ $\frac{10.1}{37}$ $\frac{9.2}{11}$ 8.9 $\frac{8.9}{33}$ $\frac{8.8}{60}$

$\frac{11.2}{60}$ $\frac{10.7}{43}$ $\frac{9.1}{15}$ 8.8 $\frac{9.0}{17}$ $\frac{9.3}{38}$ $\frac{9.3}{60}$

$\frac{11.9}{60}$ $\frac{11.5}{44}$ $\frac{10.0}{24}$ $\frac{8.8}{9}$ 8.7 $\frac{8.9}{12}$ $\frac{9.6}{24}$ $\frac{10.8}{32}$ $\frac{10.6}{60}$

$\frac{11.4}{60}$ $\frac{10.9}{36}$ $\frac{10.8}{20}$ $\frac{9.0}{16}$ $\frac{8.3}{6}$ 8.3 $\frac{8.8}{10}$ $\frac{10.5}{15}$ $\frac{9.3}{26}$ $\frac{9.6}{38}$ $\frac{9.8}{60}$

$\frac{10.2}{60}$ $\frac{9.5}{31}$ $\frac{9.2}{21}$ $\frac{8.0}{17}$ $\frac{7.0}{7}$ 6.9 $\frac{7.6}{12}$ $\frac{8.9}{15}$ $\frac{7.3}{23}$ $\frac{7.2}{37}$ $\frac{7.0}{60}$

+ H.I. ✓ - Elev
962.31

28 57.2

+50

T.P.

11.23 971.05 ✓ 2.49 959.82 ✓

58.5

29 59.3

+62

59.8

30 59.7

+50

59.5

31 59.1

+50

59.0

32 58.7

~~3.42 962.26 12.21 958.84~~

+50

T.P.

3.42 961.26 ✓ 13.21 957.84 ✓

58.1

33 57.7

+22

Gutter line on Rd. Ryan Ave 57.4

+27

57.3

Very Windy. Cool 4.21-33

LEFT

5

RIGHT

$\frac{7.8}{60}$ $\frac{7.3}{35}$ $\frac{6.4}{28}$ $\frac{6.7}{18}$ $\frac{5.9}{16}$ $\frac{5.2}{6}$ 5.1 $\frac{5.6}{12}$ $\frac{6.2}{15}$ $\frac{5.2}{19}$ $\frac{4.2}{28}$ $\frac{4.2}{39}$ $\frac{4.1}{60}$

$\frac{4.1}{60}$ $\frac{3.7}{31}$ $\frac{2.3}{22}$ $\frac{5.4}{18}$ $\frac{4.4}{15}$ $\frac{3.9}{7}$ 3.8 $\frac{4.4}{11}$ $\frac{4.9}{13}$ $\frac{4.9}{15}$ $\frac{3.3}{18}$ $\frac{2.9}{27}$ $\frac{1.0}{35}$ $\frac{0.5}{60}$

$\frac{9.8}{60}$ $\frac{8.8}{40}$ $\frac{7.9}{29}$ $\frac{9.0}{24}$ $\frac{13.8}{19}$ $\frac{12.5}{15}$ $\frac{11.9}{5}$ 11.8 $\frac{12.0}{12}$ $\frac{12.7}{15}$ $\frac{11.9}{18}$ $\frac{11.6}{28}$ $\frac{8.5}{39}$ $\frac{6.2}{60}$

$\frac{6.7}{60}$ $\frac{5.5}{37}$ $\frac{4.1}{29}$ $\frac{4.5}{27}$ $\frac{10.0}{22}$ $\frac{12.6}{18}$ $\frac{11.9}{15}$ $\frac{11.3}{6}$ 11.3 $\frac{11.8}{12}$ $\frac{12.3}{16}$ $\frac{6.7}{27}$ $\frac{6.1}{40}$ $\frac{7.0}{60}$

$\frac{4.5}{60}$ $\frac{3.4}{40}$ $\frac{10.4}{29}$ $\frac{10.3}{26}$ $\frac{12.0}{23}$ $\frac{12.0}{15}$ $\frac{11.4}{6}$ 11.4 $\frac{12.3}{12}$ $\frac{12.7}{16}$ $\frac{9.7}{24}$ $\frac{7.6}{30}$ $\frac{6.7}{34}$ $\frac{9.0}{60}$

$\frac{2.1}{60}$ $\frac{1.4}{35}$ $\frac{4.5}{34}$ $\frac{11.6}{24}$ $\frac{12.4}{15}$ $\frac{11.7}{6}$ 11.6 $\frac{12.0}{11}$ $\frac{12.4}{14}$ $\frac{12.1}{17}$ $\frac{8.3}{25}$ $\frac{8.0}{37}$ $\frac{9.6}{60}$

$\frac{1.5}{60}$ $\frac{1.6}{38}$ $\frac{2.0}{35}$ $\frac{6.5}{34}$ $\frac{12.4}{24}$ $\frac{12.7}{17}$ $\frac{12.0}{5}$ 12.0 $\frac{12.5}{11}$ $\frac{13.0}{15}$ $\frac{12.5}{17}$ $\frac{7.5}{28}$ $\frac{7.6}{44}$ $\frac{8.6}{60}$

$\frac{6.1}{60}$ $\frac{5.5}{31}$ $\frac{9.6}{30}$ $\frac{12.6}{25}$ $\frac{12.8}{16}$ $\frac{12.4}{13}$ 12.1 $\frac{12.7}{13}$ $\frac{13.3}{16}$ $\frac{11.3}{24}$ $\frac{10.2}{33}$ $\frac{11.1}{60}$

$\frac{9.9}{60}$ $\frac{8.7}{31}$ $\frac{7.7}{25}$ $\frac{10.8}{25}$ $\frac{12.9}{22}$ $\frac{13.3}{16}$ $\frac{12.5}{6}$ 12.4 $\frac{12.8}{12}$ $\frac{13.9}{15}$ $\frac{13.9}{17}$ $\frac{12.0}{24}$ $\frac{11.8}{42}$ $\frac{12.0}{60}$

$\frac{12.0}{60}$ $\frac{11.0}{30}$ $\frac{10.2}{24}$ $\frac{12.4}{23}$ $\frac{13.4}{21}$ $\frac{13.9}{18}$ $\frac{12.7}{14}$ $\frac{13.0}{6}$ 13.0 $\frac{13.6}{11}$ $\frac{14.5}{15}$ $\frac{12.6}{21}$ $\frac{12.3}{35}$ $\frac{12.3}{60}$

$\frac{4.6}{60}$ $\frac{3.8}{50}$ $\frac{1.8}{31}$ $\frac{1.3}{29}$ $\frac{0.8}{22}$ $\frac{4.4}{18}$ 3.6 $\frac{3.7}{10}$ $\frac{3.2}{26}$ $\frac{2.8}{50}$ $\frac{2.8}{60}$

$\frac{4.7}{60}$ $\frac{3.9}{50}$ $\frac{2.8}{39}$ $\frac{3.4}{22}$ $\frac{4.3}{19}$ $\frac{4.4}{13}$ 3.9 $\frac{4.3}{14}$ $\frac{5.4}{17}$ $\frac{4.5}{24}$ $\frac{4.3}{34}$ $\frac{4.4}{60}$

$\frac{4.7}{60}$ $\frac{4.0}{50}$ $\frac{3.0}{39}$ $\frac{3.6}{22}$ $\frac{4.3}{19}$ $\frac{4.7}{16}$ $\frac{4.5}{13}$ 4.0 $\frac{4.5}{13}$ $\frac{5.0}{16}$ $\frac{5.0}{21}$ $\frac{1.6}{24}$ $\frac{1.9}{36}$ $\frac{1.3}{60}$

Sta + H.L. ✓ - Elev

961.26

34 56.2

+42 55.6

+63 55.1

+69 55.0

35 54.1

+50 52.8

T.P. 393 ✓ 956.66 8.53 ✓ 95273

36 52.1

+50 51.9

37 52.0

+50 51.8

38 51.7

+50

39 +85

95066

Left

L

Right

$\frac{7.7}{60}$	$\frac{5.8}{40}$	$\frac{5.8}{25}$	$\frac{6.6}{22}$	$\frac{5.8}{13}$	5.1	$\frac{5.7}{12}$	$\frac{7.4}{15}$	$\frac{6.5}{20}$	$\frac{1.0}{26}$	$\frac{1.5}{42}$	$\frac{2.7}{60}$
------------------	------------------	------------------	------------------	------------------	-----	------------------	------------------	------------------	------------------	------------------	------------------

$\frac{8.2}{60}$	$\frac{7.6}{50}$	$\frac{6.8}{30}$	$\frac{7.0}{24}$	$\frac{6.0}{13}$	5.7	$\frac{6.4}{13}$	$\frac{7.8}{16}$	$\frac{7.0}{23}$	$\frac{5.1}{24}$	$\frac{1.3}{29}$	$\frac{2.7}{50}$	$\frac{3.2}{60}$
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$\frac{7.1}{60}$	$\frac{7.1}{50}$	$\frac{7.1}{28}$	$\frac{6.4}{13}$	6.2	$\frac{7.0}{14}$	$\frac{8.2}{17}$	$\frac{7.8}{21}$	$\frac{5.9}{23}$	$\frac{4.3}{25}$	$\frac{4.2}{50}$	$\frac{4.6}{60}$
------------------	------------------	------------------	------------------	-----	------------------	------------------	------------------	------------------	------------------	------------------	------------------

$\frac{9.7}{60}$	$\frac{9.2}{46}$	$\frac{7.7}{28}$	$\frac{6.9}{15}$	6.3	$\frac{7.0}{13}$	$\frac{8.3}{16}$	$\frac{8.1}{21}$	$\frac{6.4}{23}$	$\frac{5.2}{24}$	$\frac{5.0}{36}$	$\frac{5.2}{60}$
------------------	------------------	------------------	------------------	-----	------------------	------------------	------------------	------------------	------------------	------------------	------------------

$\frac{10.7}{60}$	$\frac{10.6}{37}$	$\frac{10.6}{20}$	$\frac{8.0}{16}$	7.2	$\frac{7.9}{14}$	$\frac{8.9}{17}$	$\frac{9.2}{21}$	$\frac{9.6}{25}$	$\frac{8.7}{33}$	$\frac{8.5}{50}$	$\frac{6.7}{60}$
-------------------	-------------------	-------------------	------------------	-----	------------------	------------------	------------------	------------------	------------------	------------------	------------------

$\frac{11.7}{60}$	$\frac{11.9}{27}$	$\frac{12.0}{19}$	$\frac{9.2}{14}$	8.5	$\frac{9.3}{15}$	$\frac{12.1}{20}$	$\frac{12.7}{31}$	$\frac{12.2}{33}$	$\frac{13.0}{50}$	$\frac{12.9}{60}$
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39 x 20 18" L +

$\frac{7.3}{60}$	$\frac{7.5}{40}$	$\frac{7.5}{25}$	$\frac{7.1}{18}$	$\frac{5.0}{14}$	4.6	$\frac{5.5}{14}$	$\frac{7.8}{18}$	$\frac{8.2}{26}$	$\frac{9.2}{35}$	$\frac{9.9}{50}$	$\frac{10.1}{60}$
------------------	------------------	------------------	------------------	------------------	-----	------------------	------------------	------------------	------------------	------------------	-------------------

$\frac{7.1}{60}$	$\frac{7.0}{38}$	$\frac{7.4}{25}$	$\frac{6.6}{22}$	$\frac{7.5}{20}$	$\frac{7.0}{16}$	$\frac{5.3}{13}$	4.8	$\frac{5.5}{14}$	$\frac{7.4}{20}$	$\frac{8.3}{28}$	$\frac{8.4}{34}$	$\frac{8.5}{60}$
------------------	------------------	------------------	------------------	------------------	------------------	------------------	-----	------------------	------------------	------------------	------------------	------------------

$\frac{6.6}{60}$	$\frac{6.3}{42}$	$\frac{6.8}{24}$	$\frac{5.9}{23}$	$\frac{6.4}{20}$	$\frac{6.5}{16}$	$\frac{5.2}{13}$	4.7	$\frac{5.6}{14}$	$\frac{6.8}{20}$	$\frac{7.7}{23}$	$\frac{7.5}{28}$	$\frac{6.8}{31}$	$\frac{6.0}{50}$	$\frac{6.2}{60}$
------------------	------------------	------------------	------------------	------------------	------------------	------------------	-----	------------------	------------------	------------------	------------------	------------------	------------------	------------------

$\frac{6.6}{60}$	$\frac{6.8}{40}$	$\frac{7.2}{24}$	$\frac{6.7}{22}$	$\frac{6.8}{17}$	$\frac{5.2}{13}$	4.9	$\frac{5.6}{13}$	$\frac{7.5}{21}$	$\frac{7.8}{28}$	$\frac{7.5}{34}$	$\frac{7.6}{60}$
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$\frac{5.2}{60}$	$\frac{6.1}{37}$	$\frac{6.4}{21}$	$\frac{6.9}{20}$	$\frac{6.9}{18}$	$\frac{5.2}{13}$	5.0	$\frac{5.5}{13}$	$\frac{7.0}{20}$	$\frac{7.1}{26}$	$\frac{6.5}{31}$	$\frac{6.3}{50}$	$\frac{6.9}{60}$
------------------	------------------	------------------	------------------	------------------	------------------	-----	------------------	------------------	------------------	------------------	------------------	------------------

Sta + H.I. ✓ - Elev

956.66

+ 89

51.7

38

51.7

+50

51.8

39

51.7

B.M.

6.96

957.62 ✓

5.98

950.68 ✓

950.66

+50

51.7

40

51.9

+20

52.1

+25

52.1

+50

52.3

41

52.3

+50

52.3

42

52.5

+50

52.7

4 24-33 Cloudy Cool

Left

±

Right

950.66

$\frac{38}{60}$ $\frac{42}{50}$ $\frac{44}{38}$ $\frac{49}{23}$ $\frac{70}{20}$ $\frac{70}{18}$ $\frac{51}{73}$ $\frac{50}{50}$ $\frac{5.5}{12}$ $\frac{6.2}{18}$ $\frac{7.0}{20}$ $\frac{7.0}{26}$ $\frac{6.4}{31}$ $\frac{6.2}{50}$ $\frac{6.1}{60}$

$\frac{34}{60}$ $\frac{4.0}{41}$ $\frac{4.7}{24}$ $\frac{7.1}{21}$ $\frac{7.1}{18}$ $\frac{5.8}{15}$ $\frac{50}{50}$ $\frac{5.5}{12}$ $\frac{6.1}{18}$ $\frac{6.9}{19}$ $\frac{6.7}{25}$ $\frac{6.1}{31}$ $\frac{6.2}{50}$ $\frac{7.1}{60}$

$\frac{39}{60}$ $\frac{4.6}{40}$ $\frac{5.0}{23}$ $\frac{6.5}{20}$ $\frac{6.5}{18}$ $\frac{5.5}{77}$ $\frac{4.9}{4.9}$ $\frac{5.8}{15}$ $\frac{6.8}{18}$ $\frac{6.5}{24}$ $\frac{7.2}{27}$ $\frac{6.8}{29}$ $\frac{8.0}{50}$ $\frac{8.0}{60}$

$\frac{4.5}{60}$ $\frac{4.9}{39}$ $\frac{5.7}{22}$ $\frac{7.2}{20}$ $\frac{7.2}{18}$ $\frac{5.6}{15}$ $\frac{50}{50}$ $\frac{5.9}{14}$ $\frac{6.4}{18}$ $\frac{7.2}{26}$ $\frac{6.7}{29}$ $\frac{7.0}{43}$ $\frac{7.9}{60}$

Spt in P.P. 18" Lt. Sta 39+20

4-24-33

$\frac{5.6}{60}$ $\frac{6.3}{39}$ $\frac{6.9}{23}$ $\frac{7.7}{18}$ $\frac{6.7}{16}$ $\frac{59}{59}$ $\frac{6.3}{11}$ $\frac{6.8}{16}$ $\frac{7.4}{17}$ $\frac{6.8}{20}$ $\frac{6.3}{39}$ $\frac{6.0}{60}$

$\frac{6.8}{60}$ $\frac{7.4}{30}$ $\frac{8.0}{19}$ $\frac{6.4}{16}$ $\frac{5.7}{16}$ $\frac{6.0}{18}$ $\frac{5.7}{20}$ $\frac{5.4}{35}$ $\frac{5.0}{60}$

$\frac{7.2}{60}$ $\frac{7.6}{31}$ $\frac{7.7}{18}$ $\frac{6.1}{15}$ $\frac{5.5}{16}$ $\frac{5.8}{17}$ $\frac{6.5}{19}$ $\frac{5.7}{19}$ $\frac{5.4}{33}$ $\frac{4.6}{60}$

$\frac{7.3}{60}$ $\frac{7.6}{30}$ $\frac{7.8}{19}$ $\frac{6.1}{15}$ $\frac{5.5}{16}$ $\frac{5.9}{17}$ $\frac{5.6}{17}$ $\frac{5.0}{19}$ $\frac{3.7}{38}$ $\frac{2.7}{60}$

$\frac{7.5}{60}$ $\frac{7.9}{37}$ $\frac{7.6}{19}$ $\frac{6.2}{15}$ $\frac{5.3}{13}$ $\frac{5.9}{17}$ $\frac{6.6}{17}$ $\frac{5.3}{20}$ $\frac{3.8}{26}$ $\frac{2.6}{38}$ $\frac{2.0}{60}$

$\frac{7.1}{60}$ $\frac{7.9}{39}$ $\frac{8.0}{20}$ $\frac{6.3}{17}$ $\frac{5.3}{15}$ $\frac{5.9}{18}$ $\frac{6.8}{18}$ $\frac{6.0}{20}$ $\frac{5.2}{34}$ $\frac{5.4}{60}$

$\frac{6.5}{60}$ $\frac{7.6}{37}$ $\frac{7.8}{19}$ $\frac{6.2}{14}$ $\frac{5.3}{17}$ $\frac{6.2}{17}$ $\frac{7.3}{20}$ $\frac{6.9}{34}$ $\frac{6.7}{60}$

$\frac{6.4}{60}$ $\frac{7.2}{35}$ $\frac{7.7}{21}$ $\frac{7.4}{17}$ $\frac{5.8}{14}$ $\frac{51}{51}$ $\frac{6.1}{17}$ $\frac{7.6}{20}$ $\frac{7.1}{34}$ $\frac{6.6}{60}$

$\frac{5.6}{60}$ $\frac{5.8}{36}$ $\frac{6.3}{17}$ $\frac{5.8}{15}$ $\frac{5.0}{5}$ $\frac{4.9}{4.9}$ $\frac{5.6}{13}$ $\frac{7.3}{17}$ $\frac{6.9}{19}$ $\frac{6.4}{33}$ $\frac{6.5}{50}$ $\frac{6.3}{60}$

STA. + H.I. ✓ - ELEV.

957.62

43 52.1

+50 53.6

44 54.1

+50 54.4

45 55.0

+50 56.1

T.P. 7.96 964.46 ✓ 1.12 956.50 ✓

46 56.9

+50 57.3

47 57.5

+50 57.7

48 57.9

+50 58.3

49 58.7

4-24-33

Cloudy Cool.

LEFT

X

RIGHT.

$$\begin{array}{r} 28 \quad 36 \quad 50 \quad 49 \\ 60 \quad 42 \quad 28 \quad 16 \end{array} \quad 4.5 \quad \begin{array}{r} 53 \quad 68 \quad 63 \quad 66 \quad 65 \\ 13 \quad 17 \quad 19 \quad 36 \quad 60 \end{array}$$

$$\begin{array}{r} 15 \quad 21 \quad 29 \quad 48 \quad 45 \quad 40 \\ 60 \quad 26 \quad 22 \quad 17 \quad 16 \quad 6 \end{array} \quad 4.0 \quad \begin{array}{r} 47 \quad 59 \quad 50 \quad 55 \quad 61 \quad 58 \\ 13 \quad 17 \quad 19 \quad 35 \quad 46 \quad 60 \end{array}$$

$$\begin{array}{r} 20 \quad 24 \quad 28 \quad 47 \quad 41 \quad 35 \\ 60 \quad 35 \quad 23 \quad 17 \quad 15 \quad 5 \end{array} \quad 3.5 \quad \begin{array}{r} 41 \quad 61 \quad 52 \quad 60 \quad 54 \quad 61 \quad 55 \\ 13 \quad 17 \quad 19 \quad 30 \quad 34 \quad 41 \quad 60 \end{array}$$

$$\begin{array}{r} 32 \quad 35 \quad 38 \quad 42 \quad 46 \quad 40 \\ 60 \quad 39 \quad 24 \quad 21 \quad 19 \quad 16 \end{array} \quad 3.2 \quad \begin{array}{r} 37 \quad 55 \quad 50 \quad 51 \quad 54 \\ 12 \quad 16 \quad 19 \quad 36 \quad 60 \end{array}$$

$$\begin{array}{r} 24 \quad 31 \quad 34 \quad 43 \quad 34 \\ 60 \quad 36 \quad 21 \quad 19 \quad 16 \end{array} \quad 2.6 \quad \begin{array}{r} 3.0 \quad 46 \quad 34 \quad 34 \quad 46 \\ 12 \quad 16 \quad 20 \quad 40 \quad 60 \end{array}$$

$$\begin{array}{r} 13 \quad 15 \quad 16 \quad 34 \quad 22 \\ 60 \quad 36 \quad 22 \quad 19 \quad 16 \end{array} \quad 1.5 \quad \begin{array}{r} 20 \quad 32 \quad 18 \quad 22 \quad 39 \\ 13 \quad 16 \quad 19 \quad 33 \quad 60 \end{array}$$

$$\begin{array}{r} 77 \quad 73 \quad 72 \quad 94 \quad 82 \quad 75 \\ 60 \quad 36 \quad 22 \quad 19 \quad 16 \quad 5 \end{array} \quad 7.6 \quad \begin{array}{r} 81 \quad 92 \quad 77 \quad 85 \quad 98 \\ 13 \quad 16 \quad 21 \quad 36 \quad 60 \end{array}$$

$$\begin{array}{r} 89 \quad 84 \quad 83 \quad 94 \quad 82 \quad 73 \\ 60 \quad 39 \quad 24 \quad 19 \quad 16 \quad 7 \end{array} \quad 7.2 \quad \begin{array}{r} 78 \quad 84 \quad 67 \quad 58 \quad 74 \\ 12 \quad 16 \quad 19 \quad 35 \quad 60 \end{array}$$

$$\begin{array}{r} 93 \quad 83 \quad 82 \quad 88 \quad 78 \\ 60 \quad 38 \quad 23 \quad 20 \quad 16 \end{array} \quad 7.0 \quad \begin{array}{r} 74 \quad 82 \quad 82 \quad 68 \quad 59 \quad 63 \\ 11 \quad 13 \quad 15 \quad 17 \quad 39 \quad 60 \end{array}$$

$$\begin{array}{r} 94 \quad 84 \quad 81 \quad 89 \quad 76 \\ 60 \quad 38 \quad 23 \quad 20 \quad 16 \end{array} \quad 6.8 \quad \begin{array}{r} 73 \quad 85 \quad 78 \quad 68 \quad 72 \\ 11 \quad 14 \quad 17 \quad 42 \quad 60 \end{array}$$

$$\begin{array}{r} 90 \quad 83 \quad 79 \quad 83 \quad 83 \quad 72 \\ 60 \quad 41 \quad 23 \quad 20 \quad 18 \quad 16 \end{array} \quad 6.6 \quad \begin{array}{r} 73 \quad 83 \quad 70 \quad 63 \quad 71 \\ 11 \quad 15 \quad 19 \quad 35 \quad 60 \end{array}$$

$$\begin{array}{r} 63 \quad 64 \quad 66 \quad 77 \quad 67 \\ 60 \quad 36 \quad 23 \quad 20 \quad 16 \end{array} \quad 6.2 \quad \begin{array}{r} 68 \quad 74 \quad 61 \quad 72 \quad 76 \quad 85 \\ 11 \quad 15 \quad 19 \quad 32 \quad 50 \quad 60 \end{array}$$

$$\begin{array}{r} 60 \quad 59 \quad 64 \\ 60 \quad 37 \quad 20 \end{array} \quad 5.8 \quad \begin{array}{r} 64 \quad 68 \quad 35 \quad 36 \quad 50 \quad 72 \\ 11 \quad 14 \quad 20 \quad 26 \quad 44 \quad 60 \end{array}$$

Sta.	+	H.I. ✓	-	Elev
		964.46		

+34				59.0
-----	--	--	--	------

+40				59.0
-----	--	--	--	------

+44				59.0
-----	--	--	--	------

+55				59.1
-----	--	--	--	------

50				59.2
----	--	--	--	------

+20				59.1
-----	--	--	--	------

+50				58.9
-----	--	--	--	------

51				58.2
----	--	--	--	------

B.M.	9.70	✓ 965.97	8.20	✓ 956.26	956.27
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+41				57.6
-----	--	--	--	------

+50				57.6
-----	--	--	--	------

+68				57.0
-----	--	--	--	------

+73				57.0
-----	--	--	--	------

52+00				56.5
-------	--	--	--	------

$\frac{6.2}{60} \frac{6.2}{36} \frac{6.4}{17} \frac{5.6}{6} 5.5 \frac{6.2}{15} \frac{3.1}{19} \frac{3.2}{24} \frac{5.0}{29} \frac{5.1}{41} \frac{7.3}{60}$

$\frac{6.0}{60} \frac{5.7}{36} \frac{5.9}{20} \frac{6.4}{17} \frac{5.5}{6} 5.5 \frac{6.1}{16} \frac{5.9}{32} \frac{8.0}{60}$

$\frac{5.7}{60} \frac{3.6}{32} \frac{3.3}{23} \frac{6.5}{19} \frac{6.2}{15} \frac{5.6}{6} 5.5 \frac{6.1}{16} \frac{5.9}{32} \frac{8.0}{60}$

$\frac{5.6}{60} \frac{3.6}{33} \frac{3.8}{21} \frac{6.6}{18} \frac{6.2}{15} \frac{5.5}{6} 5.4 \frac{6.1}{15} \frac{5.2}{18} \frac{5.2}{24} \frac{6.2}{30} \frac{7.2}{43} \frac{8.9}{60}$

$\frac{6.0}{60} \frac{5.3}{37} \frac{4.3}{31} \frac{5.2}{23} \frac{6.1}{17} \frac{5.4}{5} 5.3 \frac{6.3}{13} \frac{8.5}{17} \frac{10.6}{34} \frac{11.0}{45} \frac{11.6}{60}$

$\frac{6.3}{60} \frac{6.0}{41} \frac{5.5}{31} \frac{7.2}{28} \frac{7.9}{19} \frac{6.1}{15} \frac{5.4}{6} 5.4 \frac{6.2}{12} \frac{9.1}{17} \frac{10.4}{33} \frac{11.0}{60}$

$\frac{6.2}{60} \frac{6.4}{44} \frac{6.1}{31} \frac{7.8}{28} \frac{8.2}{20} \frac{6.4}{15} \frac{5.6}{6} 5.6 \frac{6.5}{12} \frac{7.5}{15} \frac{7.6}{20} \frac{6.3}{25} \frac{6.0}{40} \frac{5.8}{60}$

over H.1.5

$\frac{8.1}{60} \frac{8.9}{39} \frac{7.6}{32} \frac{8.1}{30} \frac{8.6}{20} \frac{6.8}{14} \frac{6.2}{4} 6.3 \frac{7.0}{12} \frac{7.6}{16} \frac{6.8}{23} \frac{0.7}{27} \frac{7.1}{43} \frac{7.5}{60}$

Spk. in T.P.N.W. cor Hamline and County Rd. "B"

$\frac{13.2}{60} \frac{13.4}{50} \frac{13.0}{34} \frac{12.6}{25} \frac{11.6}{22} \frac{11.2}{17} \frac{9.4}{15} 8.4 \frac{9.1}{12} \frac{9.5}{15} \frac{8.2}{24} \frac{4.4}{30} \frac{2.5}{34} \frac{1.6}{50} \frac{1.6}{60}$

$\frac{14.2}{60} \frac{13.3}{33} \frac{12.3}{23} \frac{11.7}{18} \frac{9.5}{14} 8.4 \frac{9.2}{12} \frac{8.7}{24} \frac{5.7}{31} \frac{4.2}{41} \frac{2.6}{43} \frac{2.5}{60}$

$\frac{15.1}{60} \frac{14.6}{36} \frac{13.8}{28} \frac{12.4}{18} \frac{10.0}{15} 9.0 \frac{9.6}{10} \frac{7.9}{16} \frac{8.6}{29} \frac{6.0}{37} \frac{5.7}{60}$

$\frac{15.3}{60} \frac{14.5}{28} \frac{12.8}{20} \frac{10.0}{15} 9.0 \frac{9.9}{16} \frac{8.7}{37} \frac{5.5}{50} \frac{6.3}{60}$

$\frac{14.4}{60} \frac{14.2}{40} \frac{14.9}{21} \frac{10.3}{15} 9.5 \frac{10.2}{10} \frac{10.5}{33} \frac{10.4}{50} \frac{10.2}{60}$

Sta. + H.I. ✓ - Elev
965.97

52 ✓ +23 56.3

+35 56.1

+47 56.0

+52 56.0

+63¹⁴ Mont & County Road "B" 55.9

+78 Top Shoulder. ^{55.8} N. Side "B"

+87 55.7

+94 55.6

53 55.6

+50 ✓ 55.9

T.P. 4.92 960.30 10.59 955.38

54 55.7

+50 55.2

55 54.8

LEFT

Z

RIGHT

$$\frac{12.4}{60} \quad \frac{120}{37} \quad \frac{11.9}{20} \quad \frac{10.6}{17} \quad 9.7 \quad \frac{10.5}{12} \quad \frac{11.2}{27} \quad \frac{12.5}{33} \quad \frac{12.8}{50} \quad \frac{11.6}{60}$$

$$\frac{11.8}{60} \quad \frac{10.6}{50} \quad \frac{10.1}{21} \quad \frac{10.9}{18} \quad 9.9 \quad \frac{11.2}{16} \quad \frac{11.6}{25} \quad \frac{13.5}{33} \quad \frac{14.0}{50} \quad \frac{14.3}{60}$$

$$\frac{12.9}{60} \quad \frac{12.4}{50} \quad \frac{11.1}{27} \quad 10.0 \quad \frac{11.6}{34} \quad \frac{13.4}{43} \quad \frac{13.9}{50} \quad \frac{14.3}{60}$$

$$\frac{11.6}{60} \quad \frac{11.1}{38} \quad \frac{10.4}{18} \quad 10.0 \quad \frac{11.0}{29} \quad \frac{11.5}{50} \quad \frac{11.7}{60}$$

$$\frac{11.0}{60} \quad \frac{10.8}{39} \quad \frac{10.2}{13} \quad 10.06 \quad \frac{10.8}{30} \quad \frac{11.3}{60}$$

$$\frac{11.6}{60} \quad \frac{11.4}{31} \quad \frac{10.6}{16} \quad 10.2 \quad \frac{11.0}{26} \quad \frac{11.9}{60}$$

$$\frac{12.1}{60} \quad \frac{11.4}{42} \quad \frac{10.7}{28} \quad \frac{11.2}{21} \quad \frac{10.6}{13} \quad 10.3 \quad \frac{11.0}{19} \quad \frac{11.9}{39} \quad \frac{12.3}{60}$$

$$\frac{8.5}{60} \quad \frac{8.3}{46} \quad \frac{8.3}{24} \quad \frac{11.1}{19} \quad 10.4 \quad \frac{11.6}{24} \quad \frac{11.5}{35} \quad \frac{12.2}{60}$$

$$\frac{8.5}{60} \quad \frac{8.0}{42} \quad \frac{8.3}{24} \quad \frac{10.8}{19} \quad 10.4 \quad \frac{11.3}{18} \quad \frac{11.1}{32} \quad \frac{12.0}{60}$$

$$\frac{10.0}{60} \quad \frac{9.5}{39} \quad \frac{9.2}{22} \quad \frac{11.3}{19} \quad \frac{10.6}{13} \quad 10.1 \quad \frac{10.6}{10} \quad \frac{11.0}{21} \quad \frac{10.6}{28} \quad \frac{10.7}{50} \quad \frac{10.9}{60}$$

$$\frac{5.8}{60} \quad \frac{5.7}{46} \quad \frac{4.5}{22} \quad \frac{6.0}{20} \quad \frac{5.2}{14} \quad 4.6 \quad \frac{5.2}{13} \quad \frac{5.8}{19} \quad \frac{4.4}{24} \quad \frac{3.4}{50} \quad \frac{3.8}{60}$$

$$\frac{6.7}{60} \quad \frac{6.3}{31} \quad \frac{5.6}{21} \quad \frac{6.4}{18} \quad \frac{5.5}{13} \quad 5.1 \quad \frac{5.4}{10} \quad \frac{5.9}{17} \quad \frac{4.4}{20} \quad \frac{3.6}{35} \quad \frac{2.8}{60}$$

$$\frac{7.9}{60} \quad \frac{7.0}{34} \quad \frac{7.0}{19} \quad \frac{6.1}{13} \quad 5.5 \quad \frac{5.9}{11} \quad \frac{6.5}{17} \quad \frac{5.7}{20} \quad \frac{4.8}{31} \quad \frac{3.6}{60}$$

Sta + Ht. - Elev
96030

+50 54.3

56 54.0

+50 53.6

57 53.1

+50 52.3

58 51.6

+50 51.0

59 50.5

+50 49.9

60 ~~0.77~~ ~~949.38~~ / 11.69 ~~948.61~~ 49.3

TP 0.77 949.38 11.69 948.61

+50 38.3

61 46.9

+50 45.2

Left £ Right

$$\frac{8.9}{60} \frac{8.2}{38} \frac{8.0}{29} \frac{7.5}{18} \frac{6.6}{13} 6.0 \frac{6.4}{12} \frac{6.9}{17} \frac{6.2}{20} \frac{4.8}{50} \frac{4.2}{60}$$

$$\frac{9.0}{60} \frac{8.3}{35} \frac{8.1}{28} \frac{7.5}{16} \frac{6.9}{13} 6.3 \frac{6.6}{11} \frac{7.1}{17} \frac{6.2}{19} \frac{5.6}{40} \frac{4.9}{60}$$

$$\frac{9.7}{60} \frac{9.1}{37} \frac{8.8}{28} \frac{8.2}{17} \frac{7.4}{13} 6.7 \frac{7.0}{11} \frac{7.5}{17} \frac{5.7}{19} \frac{5.6}{24} \frac{4.3}{40} \frac{3.5}{60}$$

$$\frac{10.0}{60} \frac{9.8}{46} \frac{9.1}{29} \frac{8.7}{19} \frac{8.0}{13} 7.2 \frac{7.6}{12} \frac{7.7}{17} \frac{6.2}{20} \frac{5.9}{24} \frac{4.6}{35} \frac{3.2}{60}$$

$$\frac{10.6}{60} \frac{10.3}{50} \frac{10.0}{35} \frac{9.3}{17} \frac{8.8}{13} 8.0 \frac{8.2}{13} \frac{8.8}{18} \frac{7.1}{20} \frac{6.6}{34} \frac{5.7}{50} \frac{5.0}{60}$$

$$\frac{12.1}{60} \frac{11.9}{50} \frac{11.3}{33} \frac{10.6}{18} \frac{9.7}{14} 8.7 \frac{8.9}{11} \frac{9.4}{18} \frac{7.3}{22} \frac{7.2}{27} \frac{5.8}{43} \frac{4.2}{60}$$

$$\frac{13.5}{60} \frac{13.0}{50} \frac{12.1}{31} \frac{10.7}{19} \frac{9.8}{11} 9.3 \frac{9.5}{12} \frac{9.8}{18} \frac{8.2}{21} \frac{7.1}{28} \frac{6.1}{50} \frac{5.6}{60}$$

$$\frac{13.3}{60} \frac{12.3}{41} \frac{11.3}{20} \frac{10.3}{11} 9.8 \frac{10.0}{13} \frac{10.3}{19} \frac{9.3}{21} \frac{8.5}{32} \frac{7.2}{50} \frac{6.7}{60}$$

$$\leftarrow \text{Home} \frac{10.5}{45} \frac{10.8}{20} \frac{11.4}{17} \frac{11.0}{12} 10.4 \frac{10.6}{11} \frac{10.9}{19} \frac{10.0}{25} \frac{8.8}{50} \frac{8.6}{60}$$

$$\frac{12.3}{60} \frac{12.0}{50} \frac{11.5}{39} \frac{11.1}{19} \frac{11.6}{17} \frac{11.4}{12} 11.0 \frac{11.5}{14} \frac{11.9}{19} \frac{10.4}{27} \frac{9.4}{44} \frac{9.1}{60}$$

$$\frac{2.6}{60} \frac{1.6}{37} \frac{1.3}{24} \frac{0.9}{18} \frac{1.8}{16} \frac{1.4}{11} 1.1 \frac{1.3}{14} \frac{2.5}{18} \frac{2.5}{20} \frac{1.0}{21} \text{over H.I.} \frac{+0.2}{33} \frac{+1.0}{60}$$

$$\frac{4.2}{60} \frac{3.2}{32} \frac{3.0}{19} \frac{3.3}{16} \frac{2.7}{11} 2.5 \frac{2.6}{8} \frac{3.5}{20} \frac{2.8}{21} \frac{1.3}{31} \frac{0.3}{44} \frac{+0.3}{60}$$

$$\frac{7.1}{60} \frac{6.1}{41} \frac{5.8}{19} \frac{4.6}{13} 4.2 \frac{4.2}{8} \frac{4.9}{21} \frac{4.4}{22} \frac{2.6}{32} \frac{1.1}{60}$$

Sta + H.I. ✓ - Elev
949.38

62 43.7

+50 42.6

63 41.7

+50 41.1

64 40.7

+50 40.4

65 40.0

+50 40.1

66 40.0

B.M. 5.58 ✓ 944.54 10.44 ✓ 938.94 938.96

+50 40.1

67 40.2

+50 40.2

68 40.1

LEFT

L

RIGHT

$$\frac{9.3}{60} \quad \frac{7.7}{35} \quad \frac{7.2}{19} \quad \frac{6.2}{14} \quad 5.7 \quad \frac{5.8}{8} \quad \frac{6.5}{20} \quad \frac{5.0}{22} \quad \frac{3.7}{35} \quad \frac{3.2}{60}$$

$$\frac{11.0}{60} \quad \frac{10.1}{37} \quad \frac{9.0}{17} \quad \frac{7.4}{14} \quad 6.8 \quad \frac{7.0}{8} \quad \frac{7.6}{20} \quad \frac{6.0}{21} \quad \frac{5.3}{37} \quad \frac{4.4}{60}$$

$$\frac{12.5}{60} \quad \frac{11.7}{39} \quad \frac{10.7}{24} \quad \frac{11.3}{18} \quad \frac{8.4}{15} \quad 7.7 \quad \frac{7.7}{9} \quad \frac{8.3}{20} \quad \frac{7.6}{21} \quad \frac{7.1}{36} \quad \frac{5.6}{60}$$

$$\frac{13.1}{60} \quad \frac{12.5}{35} \quad \frac{12.3}{19} \quad \frac{9.0}{13} \quad 8.3 \quad \frac{8.4}{10} \quad \frac{9.2}{31} \quad \frac{8.7}{44} \quad \frac{8.0}{60}$$

$$\frac{13.7}{60} \quad \frac{13.1}{35} \quad \frac{12.7}{20} \quad \frac{9.4}{14} \quad 8.7 \quad \frac{9.2}{17} \quad \frac{11.1}{21} \quad \frac{11.1}{34} \quad \frac{10.3}{60}$$

$$\frac{14.4}{60} \quad \frac{14.0}{37} \quad \frac{13.8}{22} \quad \frac{9.8}{14} \quad 9.0 \quad \frac{9.5}{16} \quad \frac{11.8}{22} \quad \frac{11.8}{38} \quad \frac{11.5}{60}$$

$$\frac{14.1}{60} \quad \frac{13.9}{36} \quad \frac{13.6}{21} \quad \frac{9.9}{14} \quad 9.4 \quad \frac{9.6}{14} \quad \frac{12.1}{21} \quad \frac{12.0}{37} \quad \frac{11.6}{60}$$

$$\frac{13.6}{60} \quad \frac{13.5}{38} \quad \frac{13.4}{25} \quad \frac{10.2}{15} \quad 9.3 \quad \frac{9.8}{14} \quad \frac{12.0}{20} \quad \frac{11.9}{35} \quad \frac{11.1}{60}$$

$$\frac{12.6}{60} \quad \frac{12.2}{34} \quad \frac{11.5}{20} \quad \frac{10.0}{17} \quad 9.4 \quad \frac{9.9}{15} \quad \frac{11.3}{19} \quad \frac{10.8}{34} \quad \frac{9.4}{60}$$

Spk in R.P. 27' Lt 66+02

$$\frac{6.3}{60} \quad \frac{5.4}{34} \quad \frac{4.4}{25} \quad \frac{6.4}{23} \quad \frac{6.4}{21} \quad \frac{5.1}{17} \quad 4.4 \quad \frac{4.7}{10} \quad \frac{5.5}{16} \quad \frac{5.2}{30} \quad \frac{4.4}{60}$$

$$\frac{5.4}{60} \quad \frac{4.6}{34} \quad \frac{3.9}{25} \quad \frac{6.3}{23} \quad \frac{6.3}{20} \quad \frac{5.0}{18} \quad 4.3 \quad \frac{4.6}{16} \quad \frac{5.1}{14} \quad \frac{6.0}{17} \quad \frac{5.3}{27} \quad \frac{5.0}{38} \quad \frac{4.5}{60}$$

$$\frac{5.3}{60} \quad \frac{4.4}{33} \quad \frac{4.1}{26} \quad \frac{6.2}{23} \quad \frac{6.2}{20} \quad \frac{5.1}{18} \quad 4.3 \quad \frac{4.7}{12} \quad \frac{5.8}{17} \quad \frac{5.1}{24} \quad \frac{4.4}{60}$$

$$\frac{5.5}{60} \quad \frac{5.1}{34} \quad \frac{4.7}{24} \quad \frac{6.1}{23} \quad \frac{6.1}{21} \quad \frac{5.1}{17} \quad 4.4 \quad \frac{4.8}{12} \quad \frac{5.4}{17} \quad \frac{4.6}{30} \quad \frac{3.8}{60}$$

✓
944.54

+50

40.2

69

39.9

+50

39.5

70

T.P.

7.06

✓
946.92

4.68

✓
939.86

39.3

+50

39.2

71

39.7

+50

39.6

72

39.0

+50

38.7

73

38.5

+50

38.1

74

37.3

+50

T.P.

7.79

✓
942.95

11.76

✓
935.16

36.8

LEFT

~~2~~

RIGHT

$$\frac{4.6}{60} \frac{4.8}{34} \frac{4.4}{26} \frac{6.2}{23} \frac{6.2}{20} \frac{5.1}{17} 4.3 \frac{4.6}{9} \frac{5.1}{16} \frac{4.2}{35} \frac{3.3}{60}$$

$$\frac{4.2}{60} \frac{4.9}{34} \frac{5.0}{25} \frac{6.1}{23} \frac{6.1}{20} \frac{5.3}{17} 4.6 \frac{4.7}{8} \frac{5.1}{17} \frac{4.1}{33} \frac{2.7}{60}$$

$$\frac{5.1}{60} \frac{6.2}{48} \frac{6.2}{33} \frac{5.8}{23} \frac{6.1}{20} \frac{5.6}{18} 5.0 \frac{5.2}{10} \frac{5.9}{15} \frac{5.5}{20} \frac{5.1}{37} \frac{4.2}{60}$$

$$\frac{2.2}{60} \frac{4.7}{32} \frac{5.6}{26} \frac{5.9}{25} \frac{5.5}{16} 5.2 \frac{5.6}{15} \frac{7.7}{21} \frac{7.4}{26} \frac{7.6}{39} \frac{7.1}{60}$$

$$\frac{2.8}{60} \frac{5.9}{32} \frac{7.3}{29} \frac{7.4}{24} \frac{8.1}{21} \frac{7.9}{12} 7.7 \frac{8.0}{15} \frac{10.3}{21} \frac{10.8}{36} \frac{11.0}{60}$$

over 41.

$$\rightarrow \frac{+0.5}{60} \frac{2.7}{32} \frac{6.7}{27} \frac{6.5}{23} \frac{7.8}{18} \frac{7.5}{15} 7.2 \frac{7.5}{8} \frac{8.4}{17} \frac{10.8}{32} \frac{11.9}{60}$$

$$\downarrow \frac{+1.0}{60} \frac{0.8}{33} \frac{6.3}{25} \frac{7.2}{19} \frac{7.6}{18} \frac{7.4}{13} 7.3 \frac{8.0}{18} \frac{10.9}{23} \frac{12.8}{39} \frac{13.5}{60}$$

$$\frac{0.0}{60} \frac{2.6}{32} \frac{6.9}{27} \frac{7.2}{20} \frac{8.2}{19} 7.9 \frac{8.9}{16} \frac{12.8}{23} \frac{14.9}{36} \frac{15.1}{60}$$

$$\frac{0.5}{60} \frac{2.9}{32} \frac{7.4}{27} \frac{7.6}{21} \frac{8.6}{17} 8.2 \frac{9.0}{16} \frac{13.5}{23} \frac{15.2}{37} \frac{15.7}{60}$$

$$\frac{1.7}{60} \frac{3.6}{32} \frac{7.9}{28} \frac{8.4}{23} \frac{9.2}{21} \frac{8.6}{12} 8.4 \frac{9.4}{16} \frac{12.7}{23} \frac{14.5}{39} \frac{15.1}{60}$$

$$\frac{3.5}{60} \frac{5.4}{32} \frac{8.8}{28} \frac{9.0}{22} \frac{9.4}{20} 8.8 \frac{9.8}{17} \frac{12.3}{28} \frac{13.7}{42} \frac{14.7}{60}$$

$$\frac{5.4}{60} \frac{7.7}{32} \frac{9.6}{28} \frac{9.6}{24} \frac{10.6}{22} \frac{10.2}{18} 9.6 \frac{11.0}{21} \frac{13.5}{28} \frac{14.4}{38} \frac{15.3}{60}$$

$$\frac{7.8}{60} \frac{10.0}{32} \frac{11.0}{29} \frac{11.1}{23} \frac{11.5}{22} \frac{10.6}{14} 10.1 \frac{11.0}{15} \frac{12.7}{21} \frac{14.0}{32} \frac{14.1}{60}$$

Sta. + H.I. ✓ - Elev
942.95

75

+50

76

+50

77

+50

T.P. 8.31 933.57 ^{past me} 17.69 925.26

78

+50

79

+50

80

+50

81

B.M. 9.37 937.84 5.10 928.47

4-25-33 Windy Cold.

LEFT

✗

RIGHT

$\frac{8.2}{57} \frac{8.2}{33} \frac{7.6}{24} \frac{8.0}{22} \frac{6.9}{17} 6.4 \frac{7.0}{14} \frac{8.2}{21} \frac{8.0}{25} \frac{7.5}{60}$

$\frac{7.4}{60} \frac{5.1}{32} \frac{7.2}{29} \frac{7.6}{23} \frac{7.8}{21} \frac{7.5}{16} 7.1 \frac{7.4}{13} \frac{7.7}{17} \frac{6.8}{20} \frac{6.5}{25} \frac{5.2}{29} \frac{6.2}{50} \frac{6.7}{60}$

$\frac{6.4}{60} \frac{5.1}{32} \frac{8.1}{28} \frac{8.5}{23} \frac{9.0}{22} \frac{8.4}{16} 7.9 \frac{8.2}{11} \frac{8.6}{17} \frac{8.1}{18} \frac{7.1}{25} \frac{4.1}{32} \frac{5.2}{60}$

$\frac{7.7}{60} \frac{5.9}{32} \frac{8.8}{28} \frac{10.2}{25} \frac{10.2}{22} \frac{9.6}{18} 9.0 \frac{9.3}{10} \frac{9.7}{16} \frac{8.8}{17} \frac{8.3}{21} \frac{2.9}{33} \frac{2.8}{43} \frac{4.5}{60}$

$\frac{10.4}{60} \frac{8.0}{31} \frac{10.1}{28} \frac{10.3}{27} \frac{11.5}{26} \frac{10.5}{17} 10.0 \frac{10.4}{11} \frac{10.6}{17} \frac{9.9}{18} \frac{9.0}{24} \frac{2.2}{35} \frac{2.3}{50} \frac{3.8}{60}$

$\frac{16.2}{60} \frac{12.6}{30} \frac{13.2}{28} \frac{12.7}{23} \frac{12.1}{16} 11.5 \frac{12.0}{12} \frac{12.6}{18} \frac{12.0}{19} \frac{11.8}{23} \frac{9.2}{28} \frac{6.3}{35} \frac{7.0}{60}$

$\frac{9.8}{60} \frac{8.7}{50} \frac{6.3}{31} \frac{6.7}{29} \frac{5.1}{23} \frac{4.4}{18} 3.7 \frac{4.1}{13} \frac{4.3}{19} \frac{4.5}{24} \frac{3.5}{29} \frac{4.5}{60}$

$\frac{10.2}{60} \frac{9.2}{27} \frac{6.7}{24} \frac{5.8}{19} 5.1 \frac{5.4}{11} \frac{6.3}{17} \frac{8.8}{21} \frac{9.9}{31} \frac{10.2}{60}$

$\frac{12.6}{60} \frac{13.2}{33} \frac{7.9}{25} \frac{6.3}{15} 5.8 \frac{6.0}{10} \frac{6.8}{16} \frac{13.6}{27} \frac{15.0}{60}$

$\frac{12.8}{60} \frac{12.8}{46} \frac{12.3}{31} \frac{8.1}{25} \frac{6.8}{15} 6.0 \frac{6.3}{9} \frac{7.5}{17} \frac{12.8}{26} \frac{14.3}{32} \frac{16.1}{60}$

$\frac{9.8}{60} \frac{11.0}{50} \frac{11.9}{41} \frac{11.7}{30} \frac{7.5}{22} \frac{6.5}{13} 5.9 \frac{6.0}{10} \frac{7.1}{17} \frac{15.2}{29} \frac{15.7}{60}$

$\frac{5.2}{60} \frac{5.7}{50} \frac{5.6}{41} \frac{7.0}{24} \frac{6.4}{20} \frac{5.7}{12} 5.3 \frac{5.6}{11} \frac{6.2}{19} \frac{9.3}{25} \frac{11.2}{60}$

$\frac{0.5}{60} \frac{1.5}{38} \frac{2.4}{21} \frac{5.0}{18} \frac{4.7}{12} \frac{4.7}{43} \frac{4.7}{33} \frac{5.5}{22} \frac{5.0}{24} \frac{4.6}{50} \frac{4.8}{60}$

Spk in 15" Oct 27 Lt. 80+03

+

H.I.

-

Elev

93784

+50

82

+50

83

T.P

9.14

943.72

3.26

934.58

+50

84

+50

85

+50

86

+50

87 + 77

+91

Left

±

Right

$\frac{5.7}{60}$ $\frac{5.2}{36}$ $\frac{5.3}{22}$ $\frac{7.4}{19}$ $\frac{7.4}{12}$ 7.1 $\frac{7.4}{12}$ $\frac{7.5}{18}$ $\frac{6.3}{21}$ $\frac{5.6}{31}$ $\frac{5.5}{60}$

$\frac{6.6}{60}$ $\frac{6.9}{40}$ $\frac{5.1}{22}$ $\frac{6.4}{18}$ $\frac{6.2}{73}$ 5.8 $\frac{6.0}{12}$ $\frac{6.3}{17}$ $\frac{5.1}{21}$ $\frac{3.4}{36}$ $\frac{3.7}{60}$

$\frac{6.9}{60}$ $\frac{6.9}{32}$ $\frac{5.6}{29}$ $\frac{5.3}{20}$ $\frac{5.9}{19}$ $\frac{5.3}{14}$ 4.8 $\frac{5.1}{13}$ $\frac{6.0}{19}$ $\frac{5.2}{22}$ $\frac{4.7}{36}$ $\frac{5.0}{60}$

$\frac{3.4}{60}$ $\frac{3.3}{41}$ $\frac{3.8}{28}$ $\frac{4.5}{23}$ $\frac{4.8}{18}$ $\frac{4.4}{12}$ 3.9 $\frac{4.2}{12}$ $\frac{4.5}{16}$ $\frac{4.2}{16}$ $\frac{4.4}{20}$ $\frac{7.0}{24}$ $\frac{8.2}{40}$ $\frac{8.8}{60}$

Nail in T.P. Rt. Sta. 83+00

4-26-33

$\frac{4.2}{60}$ $\frac{3.9}{33}$ $\frac{8.4}{26}$ $\frac{8.8}{20}$ $\frac{9.9}{18}$ $\frac{9.5}{13}$ 9.0 $\frac{9.4}{13}$ $\frac{9.5}{16}$ $\frac{9.9}{22}$ $\frac{12.5}{45}$ $\frac{14.4}{60}$

$\frac{3.5}{60}$ $\frac{3.8}{32}$ $\frac{7.8}{26}$ $\frac{8.5}{21}$ $\frac{9.2}{17}$ $\frac{8.6}{13}$ 8.2 $\frac{8.7}{12}$ $\frac{9.0}{21}$ $\frac{7.8}{24}$ $\frac{8.7}{38}$ $\frac{10.9}{60}$

$\frac{1.1}{60}$ $\frac{1.2}{50}$ $\frac{2.3}{31}$ $\frac{7.5}{24}$ $\frac{8.2}{20}$ $\frac{8.8}{17}$ $\frac{8.2}{12}$ 7.9 $\frac{8.3}{14}$ $\frac{8.7}{18}$ $\frac{8.2}{21}$ $\frac{8.1}{30}$ $\frac{10.3}{50}$ $\frac{11.7}{60}$

$\frac{0.0}{60}$ $\frac{0.9}{44}$ $\frac{2.0}{32}$ $\frac{7.3}{25}$ $\frac{8.0}{20}$ $\frac{8.7}{18}$ $\frac{8.4}{12}$ 8.0 $\frac{8.5}{15}$ $\frac{8.4}{25}$ $\frac{10.4}{41}$ $\frac{13.3}{60}$

$\frac{2.9}{60}$ $\frac{3.6}{44}$ $\frac{5.4}{29}$ $\frac{8.1}{24}$ $\frac{8.3}{22}$ $\frac{9.0}{20}$ $\frac{8.9}{14}$ 8.6 $\frac{9.2}{14}$ $\frac{9.6}{21}$ $\frac{11.2}{26}$ $\frac{14.3}{50}$ $\frac{15.0}{60}$

$\frac{6.2}{60}$ $\frac{6.2}{50}$ $\frac{7.1}{26}$ $\frac{9.0}{22}$ $\frac{10.6}{20}$ $\frac{9.7}{18}$ 9.5 $\frac{4.9}{13}$ $\frac{10.7}{30}$ $\frac{12.8}{50}$ $\frac{13.6}{60}$

$\frac{6.5}{60}$ $\frac{7.1}{27}$ $\frac{11.3}{19}$ $\frac{11.3}{12}$ 10.8 $\frac{11.1}{17}$ $\frac{10.6}{18}$ $\frac{9.9}{37}$ $\frac{10.5}{60}$

$\frac{7.5}{60}$ $\frac{7.6}{50}$ $\frac{8.0}{29}$ $\frac{12.5}{19}$ $\frac{12.2}{12}$ 11.7 $\frac{12.2}{19}$ $\frac{10.7}{21}$ $\frac{9.5}{33}$ $\frac{8.5}{60}$

$\frac{10.1}{60}$ $\frac{11.0}{39}$ $\frac{12.0}{24}$ $\frac{12.3}{20}$ $\frac{13.0}{19}$ $\frac{12.6}{12}$ 12.3 $\frac{12.7}{15}$ $\frac{12.3}{19}$ $\frac{11.1}{21}$ $\frac{9.0}{36}$ $\frac{7.8}{60}$

943.72

87

T.P. 0.37 930.60 13.49 930.23

+50

88

+50

89

+50

90

+50

91

+50

92

B.M. 4.95 924.33 11.19 919.41 919.38

+50

Clear windy Cold 31° F 8 P.M.

R.I.G.H.T.

$\frac{10.7}{60}$ $\frac{11.4}{38}$ $\frac{12.4}{20}$ $\frac{13.3}{19}$ $\frac{12.9}{12}$ 12.5 $\frac{12.9}{13}$ $\frac{13.0}{18}$ $\frac{11.8}{21}$ $\frac{9.8}{32}$ $\frac{8.3}{50}$ $\frac{8.2}{60}$

over H.I. $\frac{14}{60}$ $\frac{14}{35}$ $\frac{13}{19}$ $\frac{16}{18}$ $\frac{15}{13}$ 0.8 $\frac{1.0}{14}$ $\frac{1.2}{20}$ $\frac{1.0}{25}$ $\frac{+0.4}{35}$ $\frac{+2.0}{60}$

$\frac{2.9}{60}$ $\frac{2.8}{41}$ $\frac{3.0}{27}$ $\frac{2.9}{12}$ 2.3 $\frac{2.6}{17}$ $\frac{1.9}{26}$ $\frac{1.8}{40}$ $\frac{1.8}{60}$

$\frac{4.5}{60}$ $\frac{4.6}{29}$ $\frac{4.3}{12}$ 3.8 $\frac{4.1}{11}$ $\frac{4.5}{18}$ $\frac{4.0}{28}$ $\frac{3.3}{60}$

$\frac{5.8}{60}$ $\frac{5.9}{50}$ $\frac{6.5}{31}$ $\frac{5.9}{20}$ $\frac{5.7}{13}$ 5.3 $\frac{5.7}{11}$ $\frac{6.1}{23}$ $\frac{7.1}{27}$ $\frac{7.0}{32}$ $\frac{6.1}{60}$

$\frac{7.3}{60}$ $\frac{7.7}{48}$ $\frac{8.7}{35}$ $\frac{8.1}{25}$ $\frac{7.4}{20}$ $\frac{7.1}{14}$ 6.7 $\frac{6.9}{11}$ $\frac{7.7}{20}$ $\frac{9.2}{26}$ $\frac{8.7}{50}$ $\frac{8.5}{60}$

$\frac{8.5}{60}$ $\frac{8.7}{45}$ $\frac{9.7}{34}$ $\frac{9.3}{21}$ $\frac{8.7}{18}$ $\frac{8.1}{10}$ 7.8 $\frac{8.2}{12}$ $\frac{9.0}{18}$ $\frac{10.0}{21}$ $\frac{10.3}{42}$ $\frac{10.2}{60}$

$\frac{10.8}{60}$ $\frac{10.4}{34}$ $\frac{10.5}{22}$ $\frac{9.7}{17}$ $\frac{9.4}{11}$ 9.0 $\frac{9.3}{10}$ $\frac{9.6}{15}$ $\frac{10.6}{17}$ $\frac{11.1}{42}$ $\frac{10.7}{60}$

$\frac{11.5}{60}$ $\frac{11.3}{50}$ $\frac{11.2}{34}$ $\frac{11.1}{20}$ $\frac{10.6}{16}$ $\frac{10.3}{10}$ 10.0 $\frac{10.3}{11}$ $\frac{10.6}{15}$ $\frac{11.7}{19}$ $\frac{11.7}{41}$ $\frac{11.3}{60}$

$\frac{14.0}{60}$ $\frac{13.6}{38}$ $\frac{13.0}{18}$ $\frac{11.3}{15}$ 10.6 $\frac{10.8}{11}$ $\frac{11.2}{15}$ $\frac{12.3}{18}$ $\frac{12.6}{29}$ $\frac{12.6}{60}$

$\frac{14.7}{60}$ $\frac{14.0}{35}$ $\frac{14.0}{19}$ $\frac{11.6}{14}$ 11.0 $\frac{11.5}{14}$ $\frac{12.6}{19}$ $\frac{13.3}{39}$ $\frac{13.4}{60}$

Nut on base Elec. Tower SW. cor Rt. 91+32

$\frac{8.1}{60}$ $\frac{7.2}{39}$ $\frac{6.8}{21}$ $\frac{5.7}{15}$ $\frac{5.4}{11}$ 4.9 $\frac{5.2}{11}$ $\frac{5.5}{16}$ $\frac{6.6}{20}$ $\frac{6.2}{25}$ $\frac{5.8}{41}$ $\frac{5.6}{60}$

H.I.
924.33

93

+50

94

+50

95

+50

96

+50

97

+50

T.T.

921 928.88 +.66 919.67

98

+50

99

$$\frac{77}{60} \frac{74}{35} \frac{70}{21} \frac{59}{19} \frac{55}{12} 4.8 \frac{54}{14} \frac{6.6}{21} \frac{61}{38} \frac{64}{60}$$

$$\frac{76}{60} \frac{69}{39} \frac{64}{25} \frac{56}{18} \frac{53}{13} 4.6 \frac{50}{11} \frac{56}{18} \frac{6.8}{20} \frac{61}{30} \frac{61}{60}$$

$$\frac{72}{60} \frac{62}{30} \frac{52}{17} \frac{50}{12} 4.4 \frac{48}{13} \frac{5.9}{21} \frac{5.7}{33} \frac{5.9}{60}$$

$$\frac{63}{60} \frac{58}{43} \frac{62}{30} \frac{56}{26} \frac{58}{21} \frac{50}{12} 4.4 \frac{50}{17} \frac{61}{21} \frac{6.9}{37} \frac{63}{60}$$

$$\frac{75}{60} \frac{67}{43} \frac{67}{27} \frac{62}{21} \frac{53}{13} 4.6 \frac{52}{16} \frac{5.8}{23} \frac{5.8}{37} \frac{5.4}{60}$$

$$\frac{78}{60} \frac{71}{39} \frac{69}{24} \frac{59}{18} \frac{53}{12} 4.6 \frac{50}{12} \frac{5.3}{19} \frac{58}{36} \frac{55}{60}$$

$$\frac{67}{60} \frac{65}{43} \frac{67}{30} \frac{64}{20} \frac{53}{12} 4.7 \frac{52}{12} \frac{66}{20} \frac{7.2}{38} \frac{7.7}{60}$$

$$\frac{55}{60} \frac{61}{41} \frac{65}{27} \frac{65}{20} \frac{54}{15} 4.7 \frac{51}{14} \frac{57}{18} \frac{7.2}{20} \frac{26}{39} \frac{7.7}{60}$$

$$\frac{57}{60} \frac{53}{45} \frac{60}{30} \frac{62}{18} \frac{55}{15} \frac{50}{11} 4.6 \frac{50}{14} \frac{56}{18} \frac{6.9}{21} \frac{6.9}{38} \frac{6.7}{60}$$

$$\frac{71}{60} \frac{72}{33} \frac{74}{21} \frac{52}{15} 4.5 \frac{51}{16} \frac{88}{24} \frac{9.2}{42} \frac{9.5}{60}$$

$$\frac{13.8}{60} \frac{130}{40} \frac{129}{25} \frac{105}{19} \frac{9.3}{10} 8.8 \frac{9.2}{10} \frac{102}{18} \frac{13.3}{23} \frac{14.0}{38} \frac{13.3}{60}$$

$$\frac{13.7}{60} \frac{132}{41} \frac{124}{25} \frac{9.5}{20} 8.3 \frac{89}{17} \frac{112}{21} \frac{11.7}{37} \frac{11.7}{60}$$

$$\frac{12.3}{60} \frac{117}{40} \frac{89}{30} \frac{86}{16} 7.5 \frac{80}{15} \frac{95}{19} \frac{9.5}{35} \frac{9.7}{60}$$

+ H.I. - Elev.

928.88

+50

100

+50

101

+50

T.P. 4.01 930.31 2.58 926.30

102

+50

103

+50

104

+09

+39

+53

Left

±

Right

$$\frac{7.3}{60} \frac{7.2}{35} \frac{7.2}{22} \frac{7.8}{19} \frac{6.8}{10} 6.4 \frac{6.7}{11} \frac{7.4}{22} \frac{7.9}{38} \frac{7.9}{60}$$

$$\frac{4.5}{60} \frac{4.0}{36} \frac{4.1}{22} \frac{5.5}{15} 4.7 \frac{4.9}{12} \frac{5.5}{20} \frac{4.7}{23} \frac{5.0}{37} \frac{5.2}{60}$$

$$\frac{1.6}{60} \frac{1.7}{37} \frac{2.0}{21} \frac{4.3}{15} 3.4 \frac{3.6}{18} \frac{2.7}{22} \frac{2.3}{34} \frac{2.3}{60}$$

$$\frac{1.0}{60} \frac{1.1}{34} \frac{1.4}{21} \frac{3.5}{15} 2.8 \frac{3.1}{14} \frac{3.5}{19} \frac{2.0}{24} \frac{1.6}{37} \frac{2.1}{60}$$

$$\frac{0.0}{60} \frac{1.0}{37} \frac{1.5}{22} \frac{3.0}{14} 2.5 \frac{3.0}{14} \frac{3.5}{19} \frac{2.4}{22} \frac{3.3}{32} \frac{5.6}{60}$$

$$\frac{0.6}{60} \frac{1.3}{33} \frac{1.9}{19} \frac{4.9}{12} 4.2 \frac{4.8}{14} \frac{5.5}{21} \frac{4.7}{24} \frac{6.1}{37} \frac{8.6}{60}$$

$$\frac{0.7}{60} \frac{2.2}{35} \frac{3.3}{18} \frac{5.1}{14} 4.6 \frac{5.7}{23} \frac{7.6}{27} \frac{9.1}{38} \frac{10.8}{60}$$

$$\frac{1.2}{60} \frac{3.0}{30} \frac{4.4}{18} \frac{5.7}{15} 4.9 \frac{5.9}{19} \frac{9.7}{27} \frac{10.7}{33} \frac{12.2}{60}$$

$$\frac{1.5}{60} \frac{2.6}{36} \frac{4.3}{18} \frac{5.6}{15} 5.1 \frac{5.5}{14} \frac{6.3}{20} \frac{9.8}{26} \frac{11.0}{37} \frac{12.3}{60}$$

$$\frac{3.2}{60} \frac{2.2}{50} \frac{3.2}{28} \frac{5.4}{23} \frac{5.5}{16} \frac{6.2}{13} 5.8 \frac{6.3}{19} \frac{6.9}{32} \frac{7.9}{50} \frac{9.6}{60}$$

$$\frac{6.6}{60} \frac{6.9}{34} \frac{6.8}{16} \frac{6.1}{11} 5.9 \frac{6.1}{13} \frac{6.9}{23} \frac{7.3}{38} \frac{7.6}{60}$$

$\left. \begin{array}{l} \rightarrow \frac{6.1}{23} \\ \rightarrow \frac{6.3}{23} \\ \rightarrow \frac{6.5}{23} \end{array} \right\} \text{RAILS } \pm$

$$\frac{5.6}{60} \frac{5.5}{41} \frac{6.3}{28} \frac{6.1}{13} 5.8 \frac{6.3}{19} \frac{6.9}{21} \frac{7.4}{37} \frac{7.8}{60}$$

$$\frac{0.5}{60} \frac{1.5}{42} \frac{1.9}{27} \frac{2.5}{19} \frac{5.4}{13} 5.0 \frac{5.7}{22} \frac{5.0}{24} \frac{5.6}{38} \frac{7.1}{60}$$

93031

+79

+86

105

+37

± "C" LA

B.M.

2.63 930.22 2.70 927.61 927.59

106

+50

107

+50

108

+50

109

T.P.

2.29 927.17 5.34 924.88

+50

110

Left. * Right

$\frac{10}{60}$ $\frac{15}{42}$ $\frac{15}{28}$ $\frac{28}{18}$ $\frac{45}{14}$ 39 $\frac{49}{22}$ $\frac{46}{32}$ $\frac{5.7}{60}$

$\frac{28}{60}$ $\frac{38}{32}$ $\frac{43}{15}$ 36 $\frac{41}{15}$ $\frac{48}{26}$ $\frac{5.0}{40}$ $\frac{5.5}{60}$

$\frac{23}{60}$ $\frac{26}{38}$ $\frac{33}{20}$ $\frac{37}{14}$ 33 $\frac{44}{23}$ $\frac{41}{31}$ $\frac{5.2}{60}$

$\frac{2.7}{60}$ $\frac{2.7}{30}$ 2.9 $\frac{34}{21}$ $\frac{40}{25}$ $\frac{3.4}{28}$ $\frac{3.6}{42}$ $\frac{4.7}{60}$

Spk in P.P. N.W. Cor Hamline and "C"

$\frac{5.5}{60}$ $\frac{5.4}{39}$ $\frac{4.6}{23}$ $\frac{5.2}{18}$ $\frac{4.0}{14}$ 33 $\frac{3.7}{13}$ $\frac{4.5}{28}$ $\frac{4.3}{45}$ $\frac{4.5}{60}$

$\frac{7.1}{60}$ $\frac{7.0}{36}$ $\frac{6.2}{20}$ $\frac{4.5}{17}$ 35 $\frac{4.1}{18}$ $\frac{5.0}{29}$ $\frac{5.2}{45}$ $\frac{5.7}{60}$

$\frac{6.1}{60}$ $\frac{5.0}{30}$ $\frac{4.4}{27}$ $\frac{4.2}{19}$ 32 $\frac{3.8}{21}$ $\frac{3.4}{24}$ $\frac{4.1}{29}$ $\frac{4.1}{43}$ $\frac{4.7}{60}$

$\frac{4.5}{60}$ $\frac{3.9}{29}$ $\frac{3.2}{26}$ $\frac{3.1}{21}$ $\frac{3.7}{20}$ $\frac{3.7}{17}$ 30 $\frac{3.8}{20}$ $\frac{3.3}{21}$ $\frac{3.2}{26}$ $\frac{3.7}{28}$ $\frac{3.5}{38}$ $\frac{4.3}{60}$

$\frac{4.2}{60}$ $\frac{4.1}{30}$ $\frac{3.5}{27}$ $\frac{3.6}{23}$ $\frac{4.7}{20}$ $\frac{4.1}{18}$ 34 $\frac{4.1}{21}$ $\frac{3.8}{25}$ $\frac{3.8}{37}$ $\frac{4.4}{60}$

$\frac{4.7}{60}$ $\frac{4.8}{30}$ $\frac{4.2}{28}$ $\frac{4.4}{25}$ $\frac{6.0}{19}$ $\frac{4.9}{17}$ 40 $\frac{4.7}{20}$ $\frac{5.6}{22}$ $\frac{5.2}{25}$ $\frac{5.0}{38}$ $\frac{5.4}{60}$

$\frac{5.2}{60}$ $\frac{5.6}{31}$ $\frac{5.1}{26}$ $\frac{5.9}{17}$ 4.7 $\frac{5.3}{17}$ $\frac{6.6}{21}$ $\frac{6.5}{25}$ $\frac{7.3}{60}$

5-4-33 - 2:30 PM.

$\frac{2.0}{60}$ $\frac{1.8}{16}$ $\frac{2.5}{18}$ 1.8 $\frac{2.6}{17}$ $\frac{3.3}{19}$ $\frac{4.2}{40}$ $\frac{5.4}{60}$

$\frac{1.5}{60}$ $\frac{1.7}{32}$ $\frac{1.1}{27}$ $\frac{2.3}{18}$ $\frac{2.8}{17}$ 2.0 $\frac{2.7}{16}$ $\frac{3.5}{19}$ $\frac{3.7}{35}$ $\frac{5.4}{60}$

Station	+	H.I.	-
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927.17

110+50

111

+50

112

+50

+80

± Co. Rd. "C" (East.)

113

+50

114

+50

115

+50

116

T.P.

109

919.00

9.26

917.91

Windy cool. 5-4-32

W.

F

S.

$$\frac{1.4}{60} \quad \frac{1.9}{35} \quad \frac{1.2}{29} \quad \frac{2.3}{19} \quad \frac{3.8}{18} \quad 2.0 \quad \frac{3.0}{15} \quad \frac{3.9}{18} \quad \frac{4.2}{34} \quad \frac{5.4}{60}$$

$$\frac{1.6}{60} \quad \frac{1.8}{35} \quad \frac{1.2}{29} \quad \frac{2.3}{19} \quad \frac{2.9}{18} \quad \frac{2.6}{11} \quad 2.0 \quad \frac{2.8}{14} \quad \frac{3.4}{20} \quad \frac{3.6}{40} \quad \frac{4.0}{60}$$

$$\frac{1.9}{60} \quad \frac{1.9}{34} \quad \frac{1.4}{29} \quad \frac{2.4}{21} \quad \frac{3.4}{18} \quad \frac{2.8}{10} \quad 2.4 \quad \frac{2.9}{14} \quad \frac{3.5}{32} \quad \frac{3.6}{60}$$

$$\frac{2.5}{60} \quad \frac{2.9}{45} \quad \frac{3.2}{27} \quad \frac{4.1}{24} \quad \frac{4.1}{20} \quad \frac{3.7}{11} \quad 3.3 \quad \frac{4.0}{14} \quad \frac{4.4}{20} \quad \frac{4.0}{36} \quad \frac{3.5}{60}$$

$$\frac{3.2}{60} \quad \frac{2.6}{37} \quad \frac{3.5}{28} \quad \frac{5.1}{25} \quad \frac{4.8}{20} \quad \frac{4.2}{11} \quad 3.8 \quad \frac{4.1}{12} \quad \frac{5.0}{25} \quad \frac{4.7}{50} \quad \frac{4.8}{60}$$

$$\frac{3.5}{60} \quad \frac{3.1}{34} \quad \frac{4.3}{28} \quad \frac{5.3}{27} \quad \frac{4.5}{12} \quad 4.1 \quad \frac{4.4}{12} \quad \frac{4.5}{43} \quad \frac{4.5}{60}$$

$$\frac{3.7}{60} \quad \frac{3.6}{34} \quad \frac{4.7}{27} \quad \frac{6.0}{25} \quad \frac{4.7}{10} \quad 4.4 \quad \frac{4.7}{15} \quad \frac{5.5}{26} \quad \frac{5.3}{52} \quad \frac{5.1}{60}$$

$$\frac{5.0}{60} \quad \frac{4.8}{37} \quad \frac{5.3}{27} \quad \frac{6.8}{24} \quad \frac{6.8}{18} \quad \frac{5.5}{14} \quad 4.9 \quad \frac{5.4}{12} \quad \frac{6.0}{18} \quad \frac{7.2}{60}$$

$$\frac{6.2}{60} \quad \frac{6.0}{26} \quad \frac{6.9}{24} \quad \frac{6.9}{20} \quad \frac{6.2}{17} \quad \frac{5.6}{12} \quad 5.1 \quad \frac{5.8}{13} \quad \frac{6.2}{18} \quad \frac{5.8}{43} \quad \frac{6.4}{60}$$

$$\frac{7.4}{60} \quad \frac{6.9}{44} \quad \frac{6.2}{26} \quad \frac{7.2}{23} \quad \frac{7.2}{19} \quad \frac{6.6}{17} \quad \frac{6.0}{11} \quad 5.6 \quad \frac{6.1}{12} \quad \frac{6.5}{18} \quad \frac{6.1}{30} \quad \frac{6.4}{60}$$

$$\frac{7.6}{60} \quad \frac{7.2}{41} \quad \frac{6.9}{24} \quad \frac{7.6}{22} \quad \frac{7.4}{18} \quad \frac{6.9}{12} \quad 6.4 \quad \frac{6.9}{13} \quad \frac{7.1}{18} \quad \frac{7.0}{28} \quad \frac{6.4}{36} \quad \frac{6.8}{60}$$

$$\frac{7.5}{60} \quad \frac{7.6}{35} \quad \frac{7.4}{24} \quad \frac{8.1}{22} \quad \frac{7.8}{14} \quad 7.4 \quad \frac{8.1}{14} \quad \frac{8.5}{22} \quad \frac{8.2}{30} \quad \frac{8.4}{60}$$

$$\frac{9.8}{60} \quad \frac{9.7}{49} \quad \frac{10.0}{25} \quad \frac{10.5}{23} \quad \frac{9.4}{12} \quad 9.1 \quad \frac{9.7}{12} \quad \frac{10.1}{18} \quad \frac{9.8}{24} \quad \frac{9.4}{42} \quad \frac{9.4}{60}$$

919.00 above sea level Ho. Ho.

116+50

117

+50

118

+50

119

+50

120

T.P.

7.12

919.09

7.03

911.97

nail in P.P. Lt.

+50

121

+50

122

+50

Lr.

K

R.

$$\frac{5.4}{60} \frac{5.5}{30} \frac{6.1}{29} \frac{6.3}{23} \frac{3.0}{18} 2.2 \frac{3.0}{17} \frac{3.0}{22} \frac{2.3}{36} \frac{2.2}{60}$$

$$\frac{6.3}{60} \frac{6.0}{35} \frac{6.2}{28} \frac{7.1}{26} \frac{7.1}{24} \frac{4.7}{18} \frac{3.8}{16} 3.4 \frac{4.1}{17} \frac{4.5}{23} \frac{3.5}{35} \frac{3.5}{60}$$

$$\frac{5.3}{60} \frac{6.6}{33} \frac{7.5}{24} \frac{8.1}{21} \frac{5.9}{17} \frac{5.0}{11} 4.8 \frac{5.6}{17} \frac{5.7}{22} \frac{5.1}{36} \frac{4.8}{60}$$

$$\frac{4.8}{60} \frac{6.1}{32} \frac{8.2}{29} \frac{8.5}{22} \frac{6.8}{18} \frac{6.0}{11} 5.7 \frac{6.7}{17} \frac{7.7}{23} \frac{7.2}{35} \frac{6.9}{60}$$

$$\frac{5.4}{60} \frac{7.1}{33} \frac{8.6}{36} \frac{8.2}{20} \frac{7.5}{19} \frac{6.7}{11} 6.4 \frac{7.4}{17} \frac{9.2}{18} \frac{9.4}{41} \frac{9.3}{60}$$

$$\frac{7.8}{60} \frac{8.4}{30} \frac{8.9}{21} \frac{7.2}{18} 6.5 \frac{6.4}{11} \frac{7.9}{17} \frac{9.4}{19} \frac{9.8}{34} \rightarrow \text{water}$$

$$\frac{7.6}{60} \frac{8.2}{39} \frac{8.1}{28} \frac{8.4}{20} \frac{7.3}{18} 6.4 \frac{6.8}{9} \frac{7.7}{16} \frac{9.0}{19} \frac{9.7}{42}$$

$$\frac{8.3}{60} \frac{8.4}{44} \frac{8.3}{28} \frac{8.3}{20} \frac{7.0}{17} 6.3 \frac{6.7}{9} \frac{7.5}{17} \frac{8.6}{19} \frac{9.5}{37}$$

Cold and very windy 5-5-33 A.M.

$$\frac{9.1}{60} \frac{9.0}{39} \frac{8.7}{21} \frac{7.4}{18} 6.5 \frac{7.6}{18} \frac{8.3}{19} \frac{9.3}{42} \frac{9.4}{60}$$

$$\frac{8.4}{60} \frac{8.1}{38} \frac{8.6}{21} \frac{7.5}{18} 6.5 \frac{7.7}{18} \frac{8.6}{19} \frac{8.9}{40} \frac{8.7}{60}$$

$$\frac{8.8}{60} \frac{9.0}{38} \frac{9.2}{21} \frac{7.4}{18} 6.5 \frac{7.4}{17} \frac{8.8}{18} \frac{8.6}{36} \frac{7.9}{60}$$

$$\frac{9.8}{60} \frac{9.8}{27} \frac{8.9}{20} \frac{7.6}{18} 6.5 \frac{7.4}{18} \frac{8.1}{19} \frac{8.7}{29} \frac{7.8}{60}$$

$$\frac{9.1}{60} \frac{9.0}{39} \frac{8.7}{20} \frac{7.0}{17} 6.1 \frac{6.8}{18} \frac{7.4}{18} \frac{7.8}{43} \frac{7.4}{60}$$

919.09

123

+50

124

+50

125

+50

126

+50

T.R

5.87 919.58 538 913.71

127

+50

128

+50

129

Very Windy + Cold.

Lt

±

Rt.

$\frac{6.8}{60}$ $\frac{6.6}{32}$ $\frac{6.0}{31}$ $\frac{6.3}{24}$ $\frac{6.5}{20}$ $\frac{6.0}{16}$ 5.5 $\frac{6.1}{16}$ $\frac{6.2}{21}$ $\frac{6.2}{44}$ $\frac{6.2}{60}$

$\frac{6.2}{60}$ $\frac{4.6}{32}$ $\frac{3.8}{30}$ $\frac{5.3}{20}$ $\frac{5.6}{18}$ 4.9 $\frac{5.6}{16}$ $\frac{4.7}{17}$ $\frac{4.5}{30}$ $\frac{4.9}{60}$

$\frac{5.3}{60}$ $\frac{4.7}{38}$ $\frac{3.8}{31}$ $\frac{2.8}{28}$ $\frac{5.2}{18}$ 4.3 $\frac{5.0}{15}$ $\frac{3.2}{16}$ $\frac{2.5}{34}$ $\frac{2.8}{60}$

$\frac{4.9}{60}$ $\frac{4.3}{34}$ $\frac{2.7}{30}$ $\frac{3.5}{19}$ $\frac{4.6}{17}$ 4.1 $\frac{4.7}{15}$ $\frac{3.0}{16}$ $\frac{2.2}{19}$ $\frac{2.0}{31}$ $\frac{1.8}{60}$

$\frac{3.5}{60}$ $\frac{2.9}{33}$ $\frac{1.3}{29}$ $\frac{2.8}{19}$ $\frac{4.3}{17}$ 4.1 $\frac{4.6}{15}$ $\frac{3.3}{16}$ $\frac{2.9}{35}$ $\frac{3.5}{60}$

$\frac{2.9}{60}$ $\frac{3.1}{32}$ $\frac{1.7}{29}$ $\frac{3.3}{18}$ $\frac{4.6}{17}$ 4.2 $\frac{4.7}{16}$ $\frac{4.1}{17}$ $\frac{4.8}{31}$ $\frac{5.8}{60}$

$\frac{3.1}{60}$ $\frac{3.8}{35}$ $\frac{3.1}{31}$ $\frac{4.5}{19}$ $\frac{5.0}{17}$ 4.6 $\frac{5.2}{15}$ $\frac{5.4}{17}$ $\frac{6.7}{34}$ $\frac{2.8}{60}$

$\frac{6.2}{60}$ $\frac{6.1}{34}$ $\frac{5.6}{32}$ $\frac{5.9}{18}$ $\frac{5.4}{14}$ 4.9 $\frac{5.2}{9}$ $\frac{6.0}{17}$ $\frac{7.3}{36}$ $\frac{8.0}{60}$

$\frac{7.0}{35}$ $\frac{6.4}{35}$ $\frac{5.8}{31}$ $\frac{6.1}{21}$ $\frac{6.5}{20}$ $\frac{6.2}{15}$ 5.7 $\frac{6.4}{13}$ $\frac{7.7}{17}$ $\frac{8.8}{35}$ $\frac{9.1}{60}$

$\frac{8.1}{60}$ $\frac{7.6}{45}$ $\frac{8.1}{36}$ $\frac{7.5}{31}$ $\frac{7.3}{20}$ $\frac{6.6}{15}$ 6.2 $\frac{7.1}{15}$ $\frac{8.3}{17}$ $\frac{9.1}{36}$ $\frac{9.5}{60}$

$\frac{9.3}{60}$ $\frac{9.8}{38}$ $\frac{9.3}{33}$ $\frac{9.1}{21}$ $\frac{7.3}{17}$ 6.6 $\frac{7.6}{14}$ $\frac{8.9}{17}$ $\frac{9.6}{36}$ $\frac{10.2}{60}$

$\frac{8.4}{60}$ $\frac{9.1}{44}$ $\frac{9.3}{21}$ $\frac{7.5}{18}$ 6.6 $\frac{7.7}{15}$ $\frac{8.7}{18}$ $\frac{9.5}{35}$ $\frac{9.8}{60}$

$\frac{6.6}{60}$ $\frac{7.5}{48}$ $\frac{7.9}{31}$ $\frac{7.0}{18}$ $\frac{6.7}{13}$ 6.3 $\frac{7.3}{17}$ $\frac{8.1}{18}$ $\frac{8.4}{41}$ $\frac{9.0}{60}$

919.58

129+59

130

+50

131

+ Mont.
307

End Proj.
416 915.42 915.41

$$\frac{4.9}{60} \quad \frac{5.9}{42} \quad \frac{6.6}{20} \quad \frac{5.9}{15} \quad 5.3 \quad \frac{6.3}{16} \quad \frac{6.6}{18} \quad \frac{6.8}{24} \quad \frac{7.0}{60}$$

$$\frac{4.5}{60} \quad \frac{5.0}{23} \quad \frac{5.7}{20} \quad \frac{5.0}{15} \quad 4.6 \quad \frac{5.2}{15} \quad \frac{5.2}{19} \quad \frac{5.9}{24} \quad \frac{5.8}{50} \quad \frac{5.5}{60}$$

$$\frac{3.8}{60} \quad \frac{4.7}{41} \quad \frac{5.4}{22} \quad \frac{6.0}{19} \quad \frac{5.0}{13} \quad 4.6 \quad \frac{5.4}{15} \quad \frac{5.5}{22} \quad \frac{5.9}{37} \quad \frac{5.9}{60}$$

$$\frac{3.8}{60} \quad \frac{4.8}{42} \quad \frac{5.0}{24} \quad \frac{5.5}{19} \quad \frac{5.0}{16} \quad 4.3 \quad \frac{4.8}{13} \quad \frac{5.5}{19} \quad \frac{6.1}{26} \quad \frac{6.0}{60}$$

$$\frac{3.4}{60} \quad \frac{5.1}{38} \quad \frac{5.2}{27} \quad \frac{4.1}{19} \quad 3.7 \quad \frac{4.1}{18} \quad \frac{6.2}{21} \quad \frac{5.3}{32} \quad \frac{4.8}{60}$$

