

Book 124 DR. 16

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

PLAN Survey

LARPENTEUR AVE.

From EAST SHORE DRIVE To EAST CO. LINE

Road Acc't. No. 30

Date Filed 11-7-45 File

Larpeur Ave
East Shore Drive To East co. Line
Alignment

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Drawn up
PWS
1945

Sta.	Point	Alt	Dist.
42+82.35	P.O.T.		
42+81.95	P.I.		0°00'15"

29+57.30

29+57.20 P.O.T.

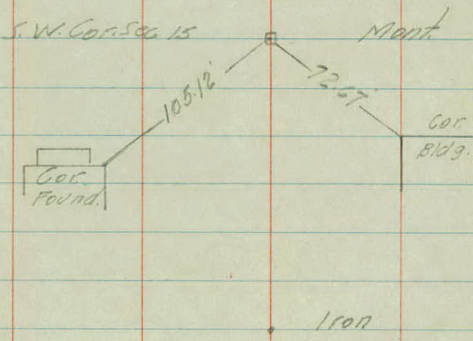
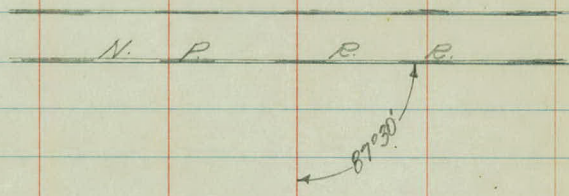
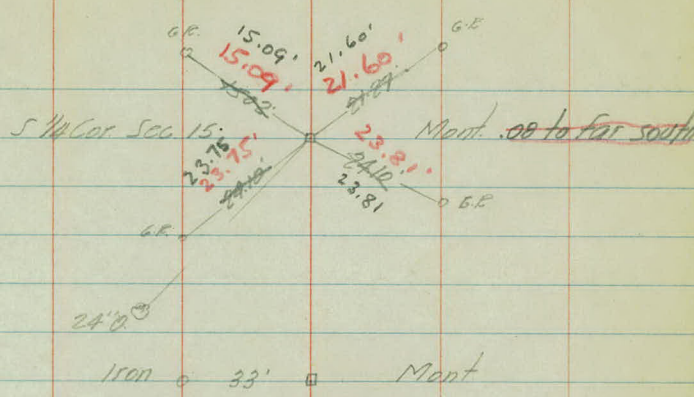
18+49.52 P.O.T. } E Track

18+35.45 P.O.T. }

16+32.65 P.I. = 0°22½' = E English St.

0+00 = East Shore Drive

11-20-44



Sta	Point	Δ Lt	Δ Rt
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62+5902	P.O.T.	= E Flandrau St	
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56+0670	P.O.T.	= E Kenward St	
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47+1817	P.O.T.	= E Prosperity Road	
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11-22-44

2

P.P. 0



P.P. 0



Mont, 10' to far north

6R. 0

56.56

3224' 6R.

5283'

End post

Old Road Spike

Sta Point ΔL ΔR

107+43.37 P.O.T. = E St Paul Street Railway Co Line

95+65.33 P.I.

$0^{\circ}00'30''$ = E Ruth St

82+48.63 P.O.T. = E Hazel St

69+31.96 P.I. $0^{\circ}26'34''$ = E White Bear Ave

P.G.

160.27'

58°09'

Cor
Porch

85.00'

52.51' O.P.R.

48.57'

315° BE.

S 1/4 Cor Sec 14

P.P.

102.67'

P.P.

39.99'

PP

35.85'

89°46 3/4"

43.50'

S.W. Cor Sec. 14

89°46 1/2"

90° 1/2"

87.58'

Cor
Garage

Hyd.

Sta Point Δ Lt Δ Rt

128+69.68 P.O.T.

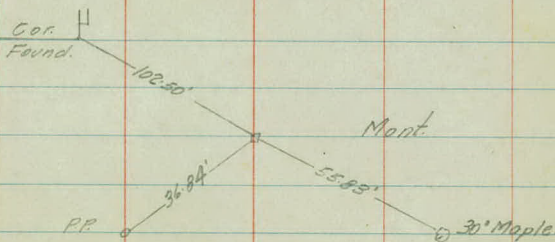
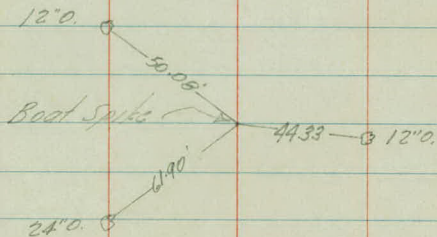
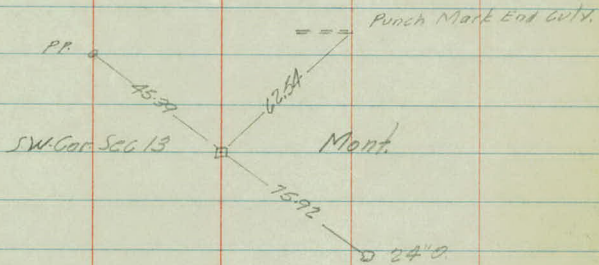
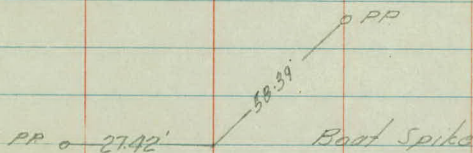
121+47.05 P.I. $0^{\circ}58'30''$ ∇ East Ave

115+01.74 P.O.T. = ∇ Howard Ave

108+56.58 P.O.T. = ∇ Winthrop St

1-28-44

4



Sta Point ΔL ΔR
174+16.77 = East County Line

170+01.12 P.O.T.

160+99.12 P.O.T.

147+81.68 P.I. $0^{\circ}00'30''$

131+35.26 P.O.T. = E Myrtle St

11-28-44

5

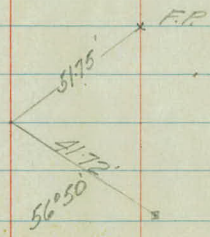
S.E. Cor. Sec 13

Mort.

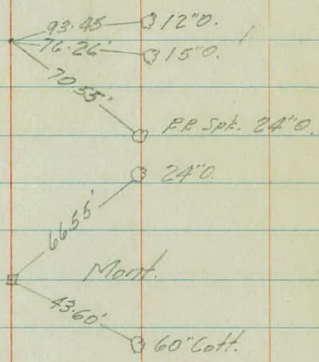
Punch marks and cuts.



R.R. spike

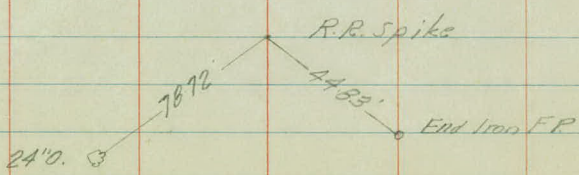


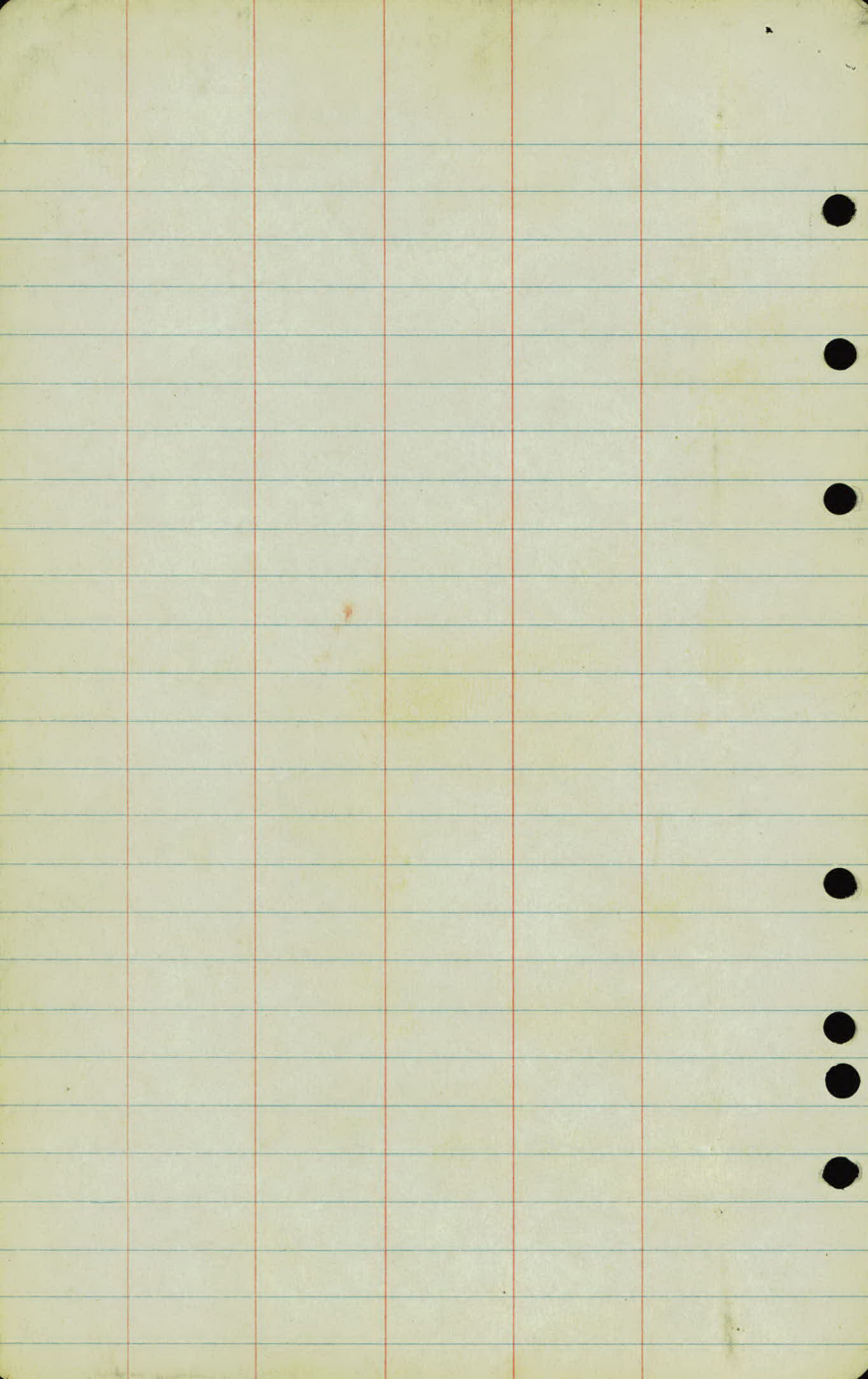
R.R. spike



S 1/4 Cor. Sec. 13

Mort.





Topography

Larp. Ave East.

+99-15' Elm-44'
 +93-Ent-12'x20'CM-23'
 +76-6' Elm-32'
 +55-6' Elm-32'
 +47-SW Cor Ho-70'
 +34-6' Elm-32'
 +25-T.P.-25'
 +20-PP-25'
 +08-E 15' Rd 12'x27'CM
 23' 10'

~~+99-15' Elm-44'~~
~~+93-Ent-12'x20'CM-23'~~
~~+76-6' Elm-32'~~
~~+55-6' Elm-32'~~
~~+47-SW Cor Ho-70'~~
~~+34-6' Elm-32'~~
~~+25-T.P.-25'~~
~~+20-PP-25'~~
~~+08-E 15' Rd 12'x27'CM~~
 +32=10'
 +05-33'

+72-PP-59' +8546
~~+99-15' Elm-44'~~
~~+76-6' Elm-32'~~ +76-T.P.-25' +64=11'
~~+55-6' Elm-32'~~
 +30-Cor Conc Drive-353'
~~+25-T.P.-25'~~
 +26-SW Cor Cor-52'
 +09-12' Elm-37' 13'

+93-Box 1st Cor-37'
 +70-8' Elm-43'
~~+34-6' Elm-32'~~
 +345-Cor Conc Gutter-31.5'
 +16-Gutter-50'

0+00
 -01-Gutter-75'
 -12-Gutter-100'
 -48-Gutter-100'
 -50- " -75'
 -52- " -50'-25'

+73-PP-27'
~~+50-8' Elm-32'~~
~~+50-8' Elm-32'~~
~~+50-8' Elm-32'~~
 +30-24' B.E.-27'
 12'x18'CM-21'
 +13-6' Cor Drive-22.2-52'
~~+13-15' Elm-25'~~

+76-15' Lind-27-24'
 +76-NW Cor Ho-62'
 +74-15' Elm-24'
 +70-6' Cor Conc Walk-19'
 +24-Shrub-33-40
 +55-Shrub-32'
 +45-15' Elm-21'
 +23-Shrub-33'
 +11-8' Pine-25'
 8' 8" Pine-25'

~~+99-15' Elm-44'~~
~~+76-6' Elm-32'~~
~~+55-6' Elm-32'~~
 +71-8' Pine-26'
 +76-8' Pine-25' +77-8' Pine-48'
 +66-8' Pine-25'
 +37-HV-38'
 +08-12' B.E.-21'+

+83-PP-22'

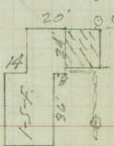
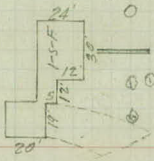
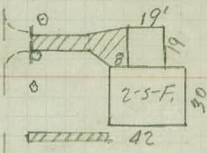
+58-Cor Conc Gutter-20'+ 30'E
 +41-Back Conc Gutter-33'+ 40'E
 +365-Back Conc Gutter-64'
 +37-SD-71'

-15-Back Conc Gutter-75'
 -62-SD-87'
 -31.5-Back Conc Gutter-50'
 -445-Gutter-25'

12-11-44



GOOD AVE



144444 Vol 12-7

MOCADAM
-125-

LAKE

PHALEN

101-T.P.-2-

9

7

~~102-Double Ent 15'X36'CM-22'~~
~~103-15' 8' E/m-49-56'~~
~~106-Ent Fe-32'~~

10 10' 7" ⁰²~~104-PP-28'~~

~~108-15' 40' S.W. Cor. Ho-71'~~
~~109-T.P.-25'~~
~~112-T-Ent-28'~~
169-16" 13' E-39'

~~123-TP-39'~~
105-Ent-12"X20'CM-22' 11' 7" ~~127-PP-27'~~

~~109-Cor Hedge-32'~~

~~102-S.W. Cor. Ho-60'~~
~~131-T.P.-26'~~
~~126-S.W.-35'~~

8 11' 6" ~~116-PP-28'~~
~~114-10' 8' E-29'~~

~~105-36' L.H. Hedge-31'~~
~~104-24' Walk-29'~~
~~111-N.W. Cor. Ho-62'~~
~~105-24' Conc. Drive-28'~~
~~110-5'~~

~~152-Ent-~~
108-N.W. Cor. Ho-63' 10' 8"

7 T.P.-25' ~~191-PP-28'~~

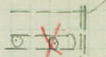
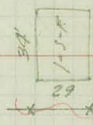
~~145-H/d-23'~~

6 10' 7" ~~10"X4'CM-23'~~
~~119-24' Conc. Walk-32'~~
~~193-Ent-12"X36'CM-23'~~
~~119-24' 18" Conc. Drive-32'~~
~~119-24' 18" Conc. Drive-32'~~
~~152-24' Conc. Walk-23' 10"X4'CM-23'~~
~~141-N.W. Cor. Ho-65'~~

~~126-7' 6" 18" Conc. Drive-31'~~
~~121-5'~~
105-24' Conc. Walk-31' 10' 8" ~~10"X4'CM-23'~~

5 ⁵⁵~~115-End Hedge-31'~~
~~172-N.W. Cor. Ho-68'~~
~~187-PP-27'~~
~~153-60' Tennis Court-32'-78'~~

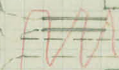
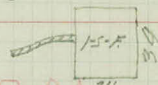
~~153-T.P.-25'~~
~~125-6' Willow-48'~~
106-Bog. Hedge-22' 10' 7"



Unov. It.



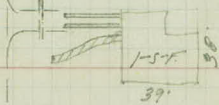
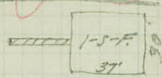
8



Cult



+46
99-110-27'
95-N.W. Cor. Ho. - 70'



8



Court

8

~~+99-FC-38'~~
~~+88-30'0-57'~~

17

~~+89-18'-56'-48'~~

+77=8'

11' = +63
~~+51-2" Elm - 29'~~
31' = +43

+13-Cor Gutter-38'
+104-Cor Gutter-34'
~~+62-End FC-33'~~

16

+16-42' 15'
+67-PP-27'
17'

+85=8' 11' = +86

+93-Rubble Gutter-29-17'
+81-24 Soft-36'
~~+81-24 Soft-36'~~
+39-30' Cuff-36'

+50-NW Cor Bldg-42'

15

+92-Beg. Rubble Gutter-25-20'
+95-24' Bld-36'
~~+90-Beg. FC-29'~~
+78-30' BE-34'

11' 18'0"-47'

+45-Ent-15' X 18" CM-23'
+21-Range Trc

~~178-6" Willow-33'~~
~~+64-12" X 18" NW-33'~~
+63-PP-27'

+03-T-P-24'

14

~~+56-4'-6" Willow-33'~~
9'

+71-18" BE-34'

+29-12" Vif. X Drain

25'-27'
9' 9' +20-PP-29'

13

+50-T-P-24'

12

9' 8' +03-33" Conc Walk-21'

+86-NW Cor Ha-71'

+58 } 42 Conc Drive-27'
+53 }
+47-PP-28'
+39-Alley-12" X 20" CM-23'

~~+44-6-22'~~
+37-Ent-15' X 20" CM-23'

+01-T-P-25'

11

12-12-44

9

ENGLISH

ST.

Yard

25' x 24'
20'

Cult.

Uncult.

15' x 4'
20'

24

10' 11'

23 Ent-

9' 11'

~~+77-TP-33' Ent Woods~~~~+71-TP-33'~~

+80-18°-31'

+57-18°-35'

+34-18°-42'

22

9'

11' +01-16°-39'

+54-15°-42'

+29-8°E1m-45'

21

9'

11'

+95-Ent-

+98-30°-55'

+95-NW-60° Ho-31'

+75-30°-58' +79-30°-50'

+30-24°CM. XDrain- --- 36'-42'

+36-Ent 24°CM-51' 18°-45'

~~+05-12°Pop-40'~~

20

9'

12'

+93-Ent-

+66-24°CM-49'

19 ~~FC-31'~~

10'

11'

+14-30°-36'

~~FC-33'~~

+65-Xing Sign-17'

Xing Plank

16'-17'

+20-Xing sign-20'

+03-RR-TP-32'

18

9'

9'

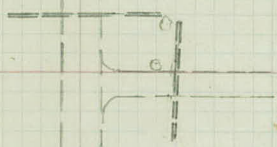
12-12-44

Cult

Cult



Cult



150-Swamp-130'
~~147-P.C. Cor. 29~~
140-Beg. Swamp-25'

31 11' 10'

~~133-P.C. Cor. 42~~

30 11' 9'

29 11' 10'

28 11' 9'

27 12' 10'

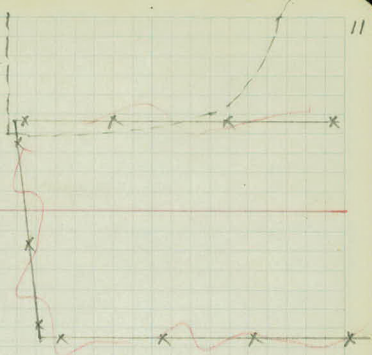
26 11' 11'

25 11' 11'

1-11-43
K.A.
C.F.

11

Cult.



Cult.

Cult.

38 ~~FC-33'~~

11' 9'

+88-Ent-15X19' Cans. -22'

37 ~~FC-32'~~

12' 9'

+99-18'0"-49'

+88-15'0"-54'

+56-15'0"-49'

+50-15'0"-47'

+35-12'0"-47'

36 ~~FC-32'~~

11' 10'

~~End FC-34'~~

+93-15'0"-49'

+65-12'0"-48'

35 ~~FC-33'~~

9' ~~FC-24'~~

~~+40-End 1' Bat. Ditch~~

~~+17-Range Tie 2~~

~~+07-FC-Cor-34'~~

34

11' 10'

~~FC-24'~~

~~+1-Beg 1' Bat. ditch -28'~~

~~+60-End Swamp-27'~~

~~+31-Range Tie to ditch~~

~~+23-4" Trip Willow-25'~~

33

11' 10'

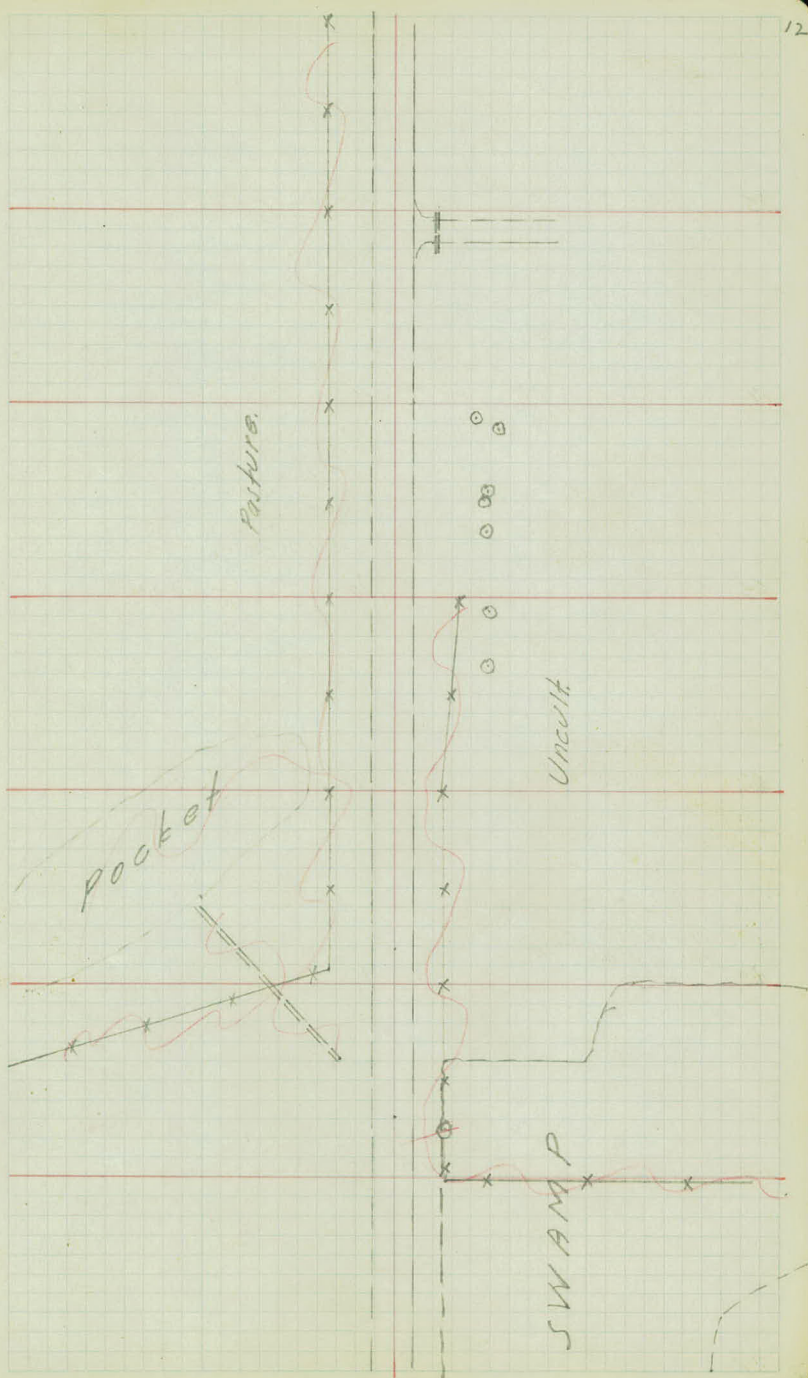
~~Swamp-25'~~

~~+97-FC-Cor-26' #9~~

32

11' 10'

~~Swamp-25'~~



+15-Δ in Fe-15'
+14-End G.R.-145'
+01-Range Tie to Fe.
45

+23-150-42'
+14-End G.R.-14'
+09-24" O.-45'
10' 10'

+67-6" Pop-61'
+50-4" Pop-61'
+57-Group 5-4" B.E.-57
+39-5" Pop-59
+21-5" B.E.-55'

+67-6" Pop-61
+57-Group 5-4" B.E.-57
+21-5" B.E.-55'

44
+80-6" Pop-57'

11' 10'
+90-4" Tw. Willow-59'

+46-4" Tw. B.E.-56'
+20-4" Trip. Pop.-56'

43 G.R.-145'

+56-6" Pop-66'
+49-Plank Spillway-14-48'
+46-Group 5-5" Pop-62'
+33-4" Willow-66'
+15-Group 4-5" Willows-66'
11' 10' G.R.-14' Pothole 52'

+75-Fe Cor-16'

+63-3" Trip. Willow-52'

42
+76-24" O.-60'
+71-18" O.-47'

12' 11' Cor Pothole-52'-200'

+43-Beg. G.R.-145' Fe Cor.-82-18' +46-Plank Spillway-14-29'
+39-Plank Spillway-22-15' 2 wire
41 Fe-32' 11' 11'

40 Fe-32'

12' 10' +10-Beg. G.R.-14'

1-11-45
K.A.
C.F.

Pasture

Pathhole

2nd Plank on Bottom of
G.C. Rt 2-Lt

130-Pathhole-800
122-6" Willow-62
105-6" Willow-57
104-6" Willow-56

Pasture

+70 12" Mas. Ditch Check 17-25
(1x2x8')

52 9' 8' Ties & Brush 52

+20-Bog 5' Wide Mas Splitting -22' +20-6" R.E. 53'

51 Fe-50' 10 9'

+74-End GR-135'

+69-12" CM-16-30' 10' H.W. at End

14' Long 12' Mas H.W. at End +67-12" CM-155-28' Mas H.W. 12' Long

+57-End 5' Wide Mas Splitting -40'

50 10' 9' +12-8" Pop & Fe -37'

+92-8" Pop & Fe -36'

+50-Fe -42

+40-18" O.E. Fe -53'

49 10' 9'

+80-End 36" CM-41' 36" x 35" CM

+75-End 36" CM-44'

+29-Fe Cor -50'

48 G.R-135' 11 9' G.R-135'

+92 GR 14 12'

+62-GR 41' +60-49'

9' +48-GR-14'

+27-35' 29' H2 +21-GR-25'

47 +02-End 18" CM-25' +05-POG GR-51'

18" x 77" CM

+88-10

59' +68

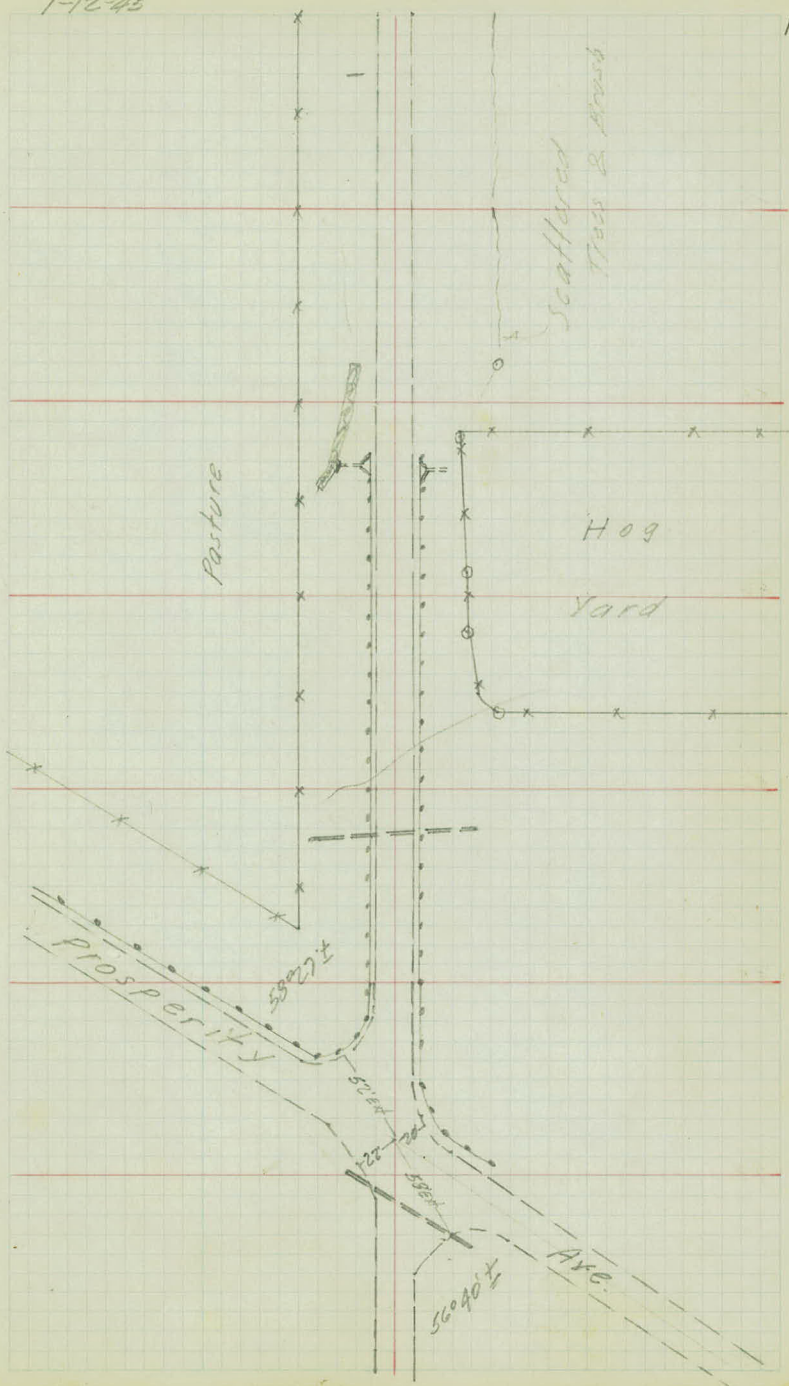
+64-End 18" CM-40'

10' +50

46 10' 10'

1-12-43

14



172-End of T10
168-Hedg C-35 2

57 109-PP-29'

11' 11'

12' = 150

58 199-TP-27'

11' 15'

23' = 165'

143-PP-39'
10-34-130

57

8' 11-25-46'

End Gutter - 25-21'
+36-End 24' Conc. Cul. - 20'
+22-4 Mas Gutter - 46'-36' (15E)

10-49-69'

+39-PP-83'

56

9' 9'

Rd-70-88'

+91-Mas Gutter - 38-46'

V Gutter 4' across top

114-Fe Cor - 50'

+76-End 34' Conc. 21'

* Gutter - 25-17'

+64-Beg Mas Gutter - 24-17'

+22 1/2 Mas Ditch Check - 25-17'

55

9'

+87-~~End~~ CR-58' +83-TP-59'

+75-End CR-72' Rd-79'

+80-GR-33

+57-GR-14' 18' x 12" H.W.

+52-End 36' Vit-58'

+37-Beg CR-14'

Rd-105-125'

+71 12" Mas Ditch Check 17'-25'

+20 18" Mas Ditch Check 17'-25'

54 FB-50'

9' 8'

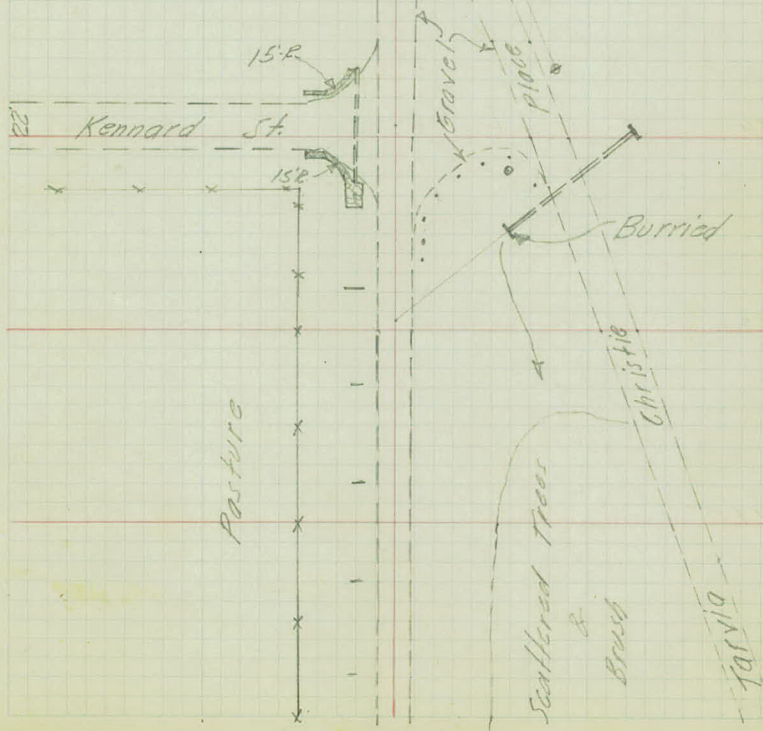
+70 12" Mas Ditch Check 17'-25'

+21 12" Mas Ditch Check 17'-25'

53

8' 9'

Trees & Brush



66
+56-PP-28'

12
+97-6' Elm-42'
+25-Red Hodge-34'
+21-Pine 5' Hdg-34'
+18-6" Pine-48'
+15-Pine 5' Hdg-34'
+13' + 03-Equi 6' Trees-35'
+89-PA-25'
+748-Birch-38' +8570-Birch-38'
+62-601-15'X20'CM-20'
+52-18' Maple-34' End Hodge 28'

65
+34-PP-28'

11' 12'
+26-12' Elm-40'
+12-Red Hodge-20'
+18-Pine 5' Hdg-49'
+07-12' Elm-39'

64
+34-PP-28'

9' 13'
+92-6' Elm-39'
+78-6' Ash-34' 5" Pine-45'
+62-8" Apple-33'
+38-12" Pop-25'
+85-5" Maple-45'

63
+17-PP-28'

+25-Rd-10'
+90-Rd-26' 10' 11'
+73-Rd-63'

+42-Hyd-58' +48-Rd-61' +43-5" Pop-40'
+25-5" Maple-44'

62
+16-PP-28'

11' 13'
+96-152' Elm-40'
+79-Ent-15'X20'CM-21'
+72-Hodge 27'
+64-PP-25'

61
+80-PP-29'

11' 12'
+08-Hodge-26'
+95-15' Elm-39'
+71-5" Pine-40'
+52-8' Pop-39'

60
+36-62' Comp Walk-152' Top of Step=33
+27-Ent-12'X20'CM-21'
+08-5" Pop-40'

11 12

11-30-44

16

○ ○ ○ ○

水 火 土 金 木

8. Book H. 100

Word

Septic Tank?

A 5x5 grid of circles. The symbols inside are as follows:

○	*	○	○	
○	*	○	○	○
○		○	○	○
○	○	○	○	○
○	○	○	○	○

Flandrau St.

12' x 7' Bubble H. wt.

8' Bubble M.W.

W_g / K

12' x 7' Bubble Hrd.

73

10' 10'

+76-PP-28'

72

10' 10'

+6.5 Edge driveway

71

10' 9'

+114-PP-28'

+97-S.W. Cor. Bldg-43'

+51-3" / 100 Gals SD - Curb-24'

+51-End 18" M-31'

70

13' 10'

+102-S.E. Cor Station-34'

+95-Gas Tank Inlet-28'

+177-Cong. Pump Base-52-32'

+57-PP-27' / 100 Gals SD-25' 11" E.R.W.

+23-Gas Valve-31'

+69-10" M.H.-21'

+97-Island-50'-36' 14" E.R.W.

+78-Cor Bldg-72' +78=13'

+87-Pump Skid-61'

+73-Pump Skid-46'

+56-Cor Cor-45'-43'-5/61

+104-PP-28' Cor 100 Mo-29'

+39-End 12" Dredge Pipe-21'

68

13' 13'

+68-4' Pipe-50'

+104-PP-28'

67

14' 14'

+29-Pine Skid-34'

+25-Pine Skid-34'-40'

+14-13" Conc. Skid-24' 8" S.D.B.-32'

15" X 200 M-21'

7" Reddy H.W.

12-1-44

17

Cut

Unexcavated

1-5-F
TOWER
41'

140'

Lowland

GROSS PIT
76'

M.H.
15' x 39'

20' R.

30" CONC. P.

Sewer From Par. for a
Par. ends 2 ft. of E.

24' RAY.

33' R.

Macadam 6" curbs

Oil
Barrel

25'

129'

18" CM

18" CM exposed

20' R.

30'
25' x 12'
24'
Portable

HO. CONC.

133' 2" Iron drain Pipe 30'
from 20' 22' 0.

7.36' top

+78-PP-

+25-LOW land-25'

+18-FC Cor-34'

80 9' 10'

+89-LOW land-125-32'

+89-PP-28'

+81-Row 34' Maples-45'

+29-Ent-12'X20'CM-22' 8' H.W.S.

+17-Long 115 2

+22-Row 24' Maples-35'

79 8' 11'

+74-12" Apple Tr-67'

+57-6" Apple Tr-65-49'

+24-PP-28'

78 8' 12'

+92-4" Plum Tr-53'

+75-6" Plum Tr-53'

77 +97-PP-28'

10' 11' +13-16" BE-35'

+98-N.E. Cor. Ho-71" 7' Red. H.W.S.

+91-12" BE-42'

7' Red. H.W.S.

+80-Walk way-12'X6'CM-23'

+69-15" BE-41'

+23-Hedge-35'

+24-Ent-12'X16'CM-23'

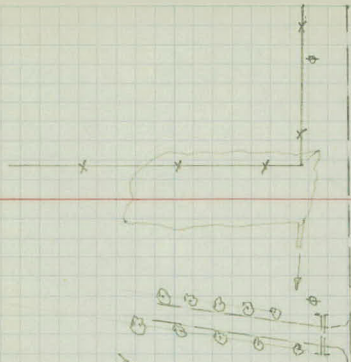
76 10' 11'

+67-PP-

75 10' 10'

+14-PP-

74 11' 9'



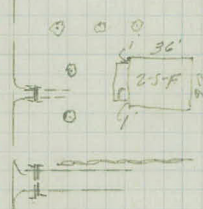
Yard



Cult



Uncult



Uncult

+96-12°BE-46'

+84-18°Nq/c-45'

+72-Range Tie to Ho-
+70-NW Cor Ho-48'

+18-PP-

87 Sp + Fe Cor-48'

9' 10'

+46-5°Nq/c-38' 12°Nq/c-46'
+32-Ent-12°N 17°CM-29' 7' Rod. Hous.

86 Fe-30'

10' 10'

+86-PP-28'

85 Fe-28'

9' 11'

+64-PP-27'

84

9' 11'

+48-PP-28'

83

9' 11'

10' = +80'

+49-Fe Cor-34'

+70-12°CM-23'

+56-Rd-40'

+37-Ed-50'

+20-12°CM-23'

82 +18-PP-28'

10' 11'

81

Fe-32'

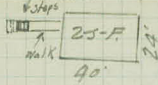
10' 10'

+99 SW Cor. Ho-69'

2-5-1
52'

to Risers 12" Thred. (4 Risers)

19



+84 +89 Cor Walk 13'
12" x 5.5 CM in slab 22'
+84 +89 Gr. 8th Step 25L-297
+84 +89 Cor Slab 188-25L

Cult.

Uncult.

Rubble Hdwr.

Packet

+79-PP

+99-12" BE-36'
 +12" X 6" CM-23' 7' HW-26'
 +83-2 26" CM-19'
 +69-18" BE-36'
 +54-Ent-10" X 17" CM-24' 6' Rob. HW
 +41-Ent-15" Elm-36'
 +28-Box Lillies-40'
 +31-Willow-36'

94 FC-43'

9' 11'

+95-5" BE-36'

+96-PP-28'

+50-2" BE-37'

1st and 2nd FC

93 FC-45'

9' 11'

+31-PP-28'

+98-8" BE-30'
 +36-65" HW-31'
 +26-1" Pine-33'

92 FC-47'

9' 11'

+86-FC Cor-

+85-Hedge-28'
 +80-Ent-

+68-2" Elm-30'

+99-PP-27'
 91 FC-47'

9' 10'

+90-Ent-15" X 30" CM-24'

90 FC-48'

8' 10'

+95-PP-26'

+32-18" CM X Drain 4' Rob. HW 92' 51'

89

9' 10'

+34-SW Cor. Drain-57'
 +81-12" CM-24'
 +76-Range Tr. to Room

+64-24" Willow-52'
 +98-Ent. Hedge-29'
 +85-2" BE-33'
 +68-8" BE-24'
 +46-8" Apple Tr-51' Hedge-30'
 +38-Willow-12" X 42" CM-24' 4' Rob. HW
 +28-5" Elm-35'
 +24-PP-30'
 +18-5" Pine-40'
 +12-15" Elm-40'

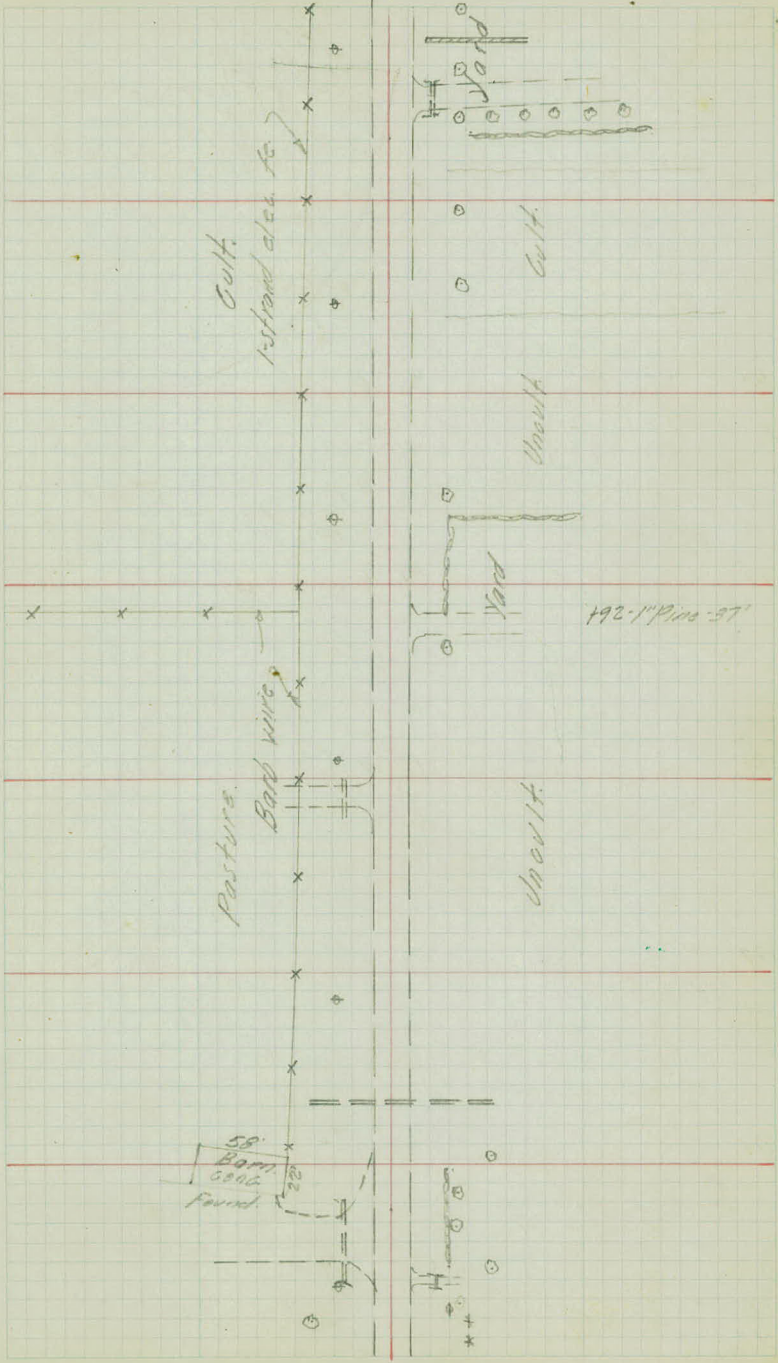
+28-12" CM-28'

+36-PP-25'

+14-24" Willow-41'

88

9' 10'



Cult.

1st road along to

Cult.

Unov.

Yard

192-11" Pins - 37"

Pasture

Barb wire

Unov.

58' Barn 6500' Found

32'

0' 0" - 38'

+94 Hedge - 38'

+97-5' 0" - 36'

+90-2' 4" 0" - 35'

+95-4' 0" - 36'

+78 Ent - 12" X 26' CM - 23'

+82-6' 0" - 36' - 40' Group - 50'

+24-PP

101

8' 12'

+56-6' 0" - 37'

+39-5' 0" - 35'

+25-12' 0" - 35'

+14-4' 0" - 42'

100 PP-28'

8' 11'

+87-8' 0" - 37'

+54-12' TW 0" - 34'

+40 Swamp - 50'

99

9' 11'

Swamp - 37'

+72-24' CM X Drain
+69-PP-28'

28.4 - 38.6

98

9' 11'

Swamp - 34'

+43 Ent.

+50 Swamp - 58'

+12 S.W. Cor Ho - 80'

+24 Ent.

97

9' 12'

+97 Ditch - 25 & Approx - 150'

+65 Row 6" Pines +62 - 44-33

+52 Ent - 12" X 17' CM 24'

+33 PP-28' 12' Elm - 50'

+19-12' Elm - 50'

96

8' 12'

+98 S.W. Cor Ho - 79'

+94 Ent 12' CM - 23'

+88 PP-49'

+90 18' Elm - 49'

+81 Row 15' Elms - 49'

+70 Fe Cor - 40'

+34-12' CM - 23'

+32-12' BE - 35'

95

Fe-41'

8' 12'

Rubble 8' HdW

8
00 00 0

Uncult.

Woods.

Pothole.

40'

1-5-F.

25'

2' Bottom

** ** *

2-5-F.

25'

41

28' Oiled Road

Rubble HdW 7 Wide

+94-18' Elm-57'
 +90-15' Chlm. Elm-37'
 +88-4' Elm-24'
 +66-12' O.-51' +69-15' O.-56'
 +62-15' O.-36-25'
 +42-Fc Cor-34'
 +31-PP-38'

+79-T.P.-45'
 +57-Ed.-15' X 20' CM-23' 7' 10' 11' W.S.
 +38-30' Maple-53'
 +24-2 1/2' Cons. Walk-46'
 +24-Plank Foot Br-17-27' 3' wide
 +100-12' Maple-51'

108
 +96-End 10' CM-20' 13'
 +92-End 10' CM-35' 19' Long
 +107-Trolley Pole-28'
 +108-Signal Post-16'
 +53-Trolley Pole-47' 35-9'
 +31-End 36' Lapa Culv.-78'
 +22-15' Willow-64'
 +109-PP-28' +11-Fc Cor-35'
 +106-End Cons Culv-84' 8' 13'

109 P.P.-31'
 +73-Reg. Fc SW-47'
 +66-Maple Box-20'
 +59-Fc Cor-65' +50-Ed-11'
 +23-Trolley Pole-62'
 +15-Signal Post-22'
 +76-Cor Waiting Sta-25'
 +77-Trolley Pole-42'

107
 +98-Ent-
 +97-Group Willows-43'
 +56-Dim ditch-48'

+16-48' CM. X 10' Dim - 39- 50' +94-Dim Fc-65'
 106 8' 13'

+32-PP-+TP-26'

+50-Swamp-42'
 +32-CP.

+16-E 17 Road

105

+90-Swamp-50'
 +85-Woods-75'
 +66-Long Tie
 +50-Woods-44'

+41-Ent-12' X 20' CM-23'

104 End of Fc-36' 7' 12' Woods
 +92-PP-28'

103 +15-Box Fc-47'

+27-Cor Woods-47'
 +92-Ent-

+81-6' BE-46'
 +68-4' BE-48'
 +61-PP-
 +50-12' Elm-48'
 +35-12' Elm-50'
 +31-SW Cor Ho-74'
 +21-12' BE-50'
 +105-12' BE-51'

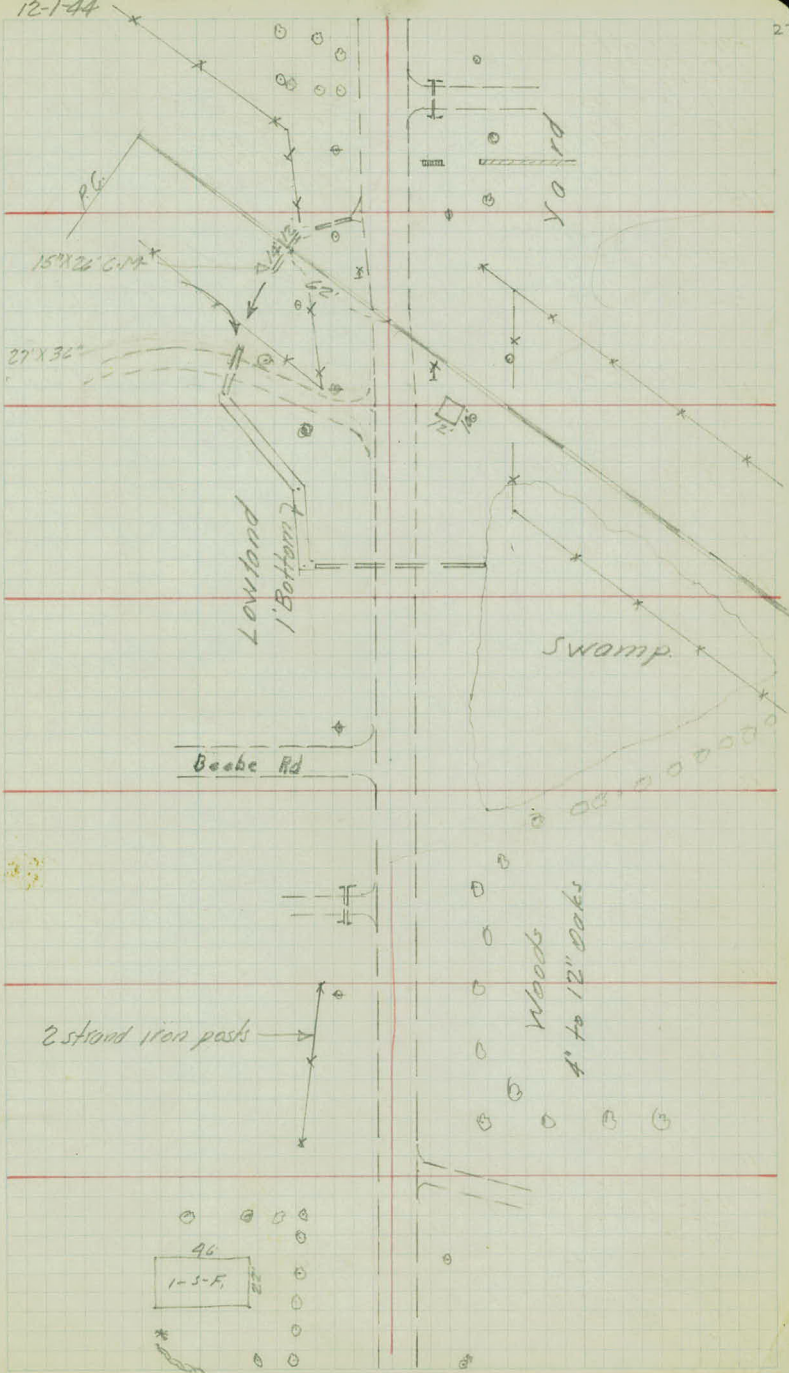
+57-CP-29'

102

7' 12'

+103-6' O-39'
 +102-6' O-38'

For additional Topog
 See Sheet 32A & 32B



Oiled surface

Scattered

Oaks

Pothole

Woven Wire

Chick. Yard

12-5-F

46

Chick
Yard

Mash

Car & Chick. Ho

12-5-F

24

Course

Golf

Hillcrest

198-12'0-51'
196-12'0-50'
194-12'0-44'

+60-Cor Swamp -35'

+26-Cor Swamp -35'
+15-Kings Tlc.

122

+99-24" M. X Drain - 190 = 10' 10'
+99-16-Cor-40' 182-PP-29' 37-36'
+156-Cor Swamp 36' 10-485
+59-40 35' Rd +28-Cor Swamp -32'
+33-76' 10-136'

+18-15" C.M. - 22' - 61'
121 Ent. - 40

18' 11' = +12'
18' 11'
+80-13 +82-24' 0-42'

+68-15' 0-50'
+63-8 24" C.M. Walk - 39'
+42-8 24" Walk - 38'
+27-SW. Cor Bldg - 41'
+11-PP-25' 6" Elm - 40'
+07-3" Elm - 31'
+02-6" Elm - 48'

120

+90-3" Elm - 41' +73-4" Elm - 32' 8' 11'
+82-5" 5" Elm - 32-48'
+71-5" Elm - 32'
+67-3" Pop - 41'
+51-2" Elm - 38-49' +62-3" Elm - 32'
+37-2" Elm - 32-49' +51-18' 0-31'
+25-3" Elm - 25-1" Elm - 50' +40-Pothole - 37'
+10-2" Pop - 32-40'
+04-3" Pop - 30'

119

Lowland - 60' 10' 11' Lowland - 30'
+99-PP-28'
+83-4" Tr - 37'
+47-6" Elm - 38'
+45-Lowland - 63'
+39-Shrub - 33'
+32-Shrub - 35'
+30-Shrub - 29'
+20-Ent. -
+10-End Hedge - 32' 10' 11' Pothole - 36'

118

+57-15' 0-37'
+81-SW. Cor Ho - 67'
+78-Beg. Hedge - 35'
+69-Hedge - PP - 28' +51-18' 0-39'
+59-10' 0-44' +37'
+54-12' 0-44' +36' 6' 0-55' Pothole - 65-150'
+11-6 4' Cong. Walk - 20.5'

117

+92-SW Cor Ho - 74' 9' 11'
+86-8 7' Cong. Drive - 283'
+69-Hedge - 28'

116

+37-30' 0-36'
+24-15' 0-34'
+15-Ent. - +21-SW Cor Ho - 73'
+04-PP - 28' 8' 12'

12-4-04

24

SWAMP

East

Ave.

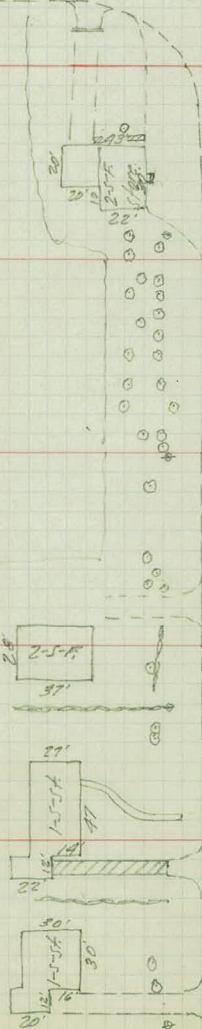
Lowland

Golf

Pothole

Golf

Hillcrest



+90-PP-28

+68-12"0-45'

+62-12"0-45'

+50-Swamp-90'

+07-18"0-45' Fe-39'
129 Swamp-85'

+73-18"0-45' Fe-40'

+83-Dim ditch-118

+70-PP-28

+50-Swamp-93'

+32-18"0-45' Fe-40'

+01-18"0-43'
128 Swamp-116' Fe-38 8' 10'

+73-Dim ditch-151'

+52-PP-28

+50-Swamp-138'

+57-12"0-45' Fe-28'

+34-Dim Swamp-155 ditch

+21-12"0-33'
127 Swamp-118' Fe-34' 9' 10'

+67-18"0-45'

+74-30"0-47'

+53-15"0-49'

+50-Swamp-87

+41-PP-

+29-12"0-40'

126 Swamp-93' Fe-37' 10' 9'

+97-12"0-37

+76-18"0-40'

+50-Swamp-83'

+33-Dim ditch-115 12"Tw 0-43'

+38-10"Tw 0-49'

+15-15"0-45'

125 Swamp-100' Fe-40 10 10

+90-Dim ditch-129'

+89-PP-28

+88-18"0-41'

+56-18"0-43'

+50-Swamp-69'

+41-15"0-45' +45-15"0-41'

+20-Dim ditch-116'

124 Swamp-81' 11' 10'

+94-15"0-45' Fe-43'

+66-Dim ditch-123'

+50-Swamp-149-100'

+34-PP-28

+12-Dim ditch-117'

123 Swamp-139-73' Fe-40 11 10

+73-15"0-49-23'

+53-15"0-49-23'

+57-End Conc. Step-6-34.5'

+53-36"0-56'

+20-PP-30'

+07-2' Walk Beg. 6 Cor-62'

11' +03-18"0-54'

+83-Shrub-54'

+76-30"0-70' +57-24"0-64'

+69-NE Cor. Porch-66' Shrub-55'

+58-2' Walk-57'

+59-MW Cor. Porch-70'

+24-6' Ash-64'

End Brush-55'

+84-Step-48'

+60-12"0-49' +70-18"0-48'

+50-12"0-52'

+29-12"Tw 0-57'

+23-15"0-54'

+84-Fe. Cor-31'

+49-Fe. Cor-30'

+29-End. Culv-23' 1'x7' Box H. 44'

+20-18" Calappa-45' 2 1/2'x8' Vit 16' 12" 11'

+93-83' Conc. Walk-27' 18" 12" 11'

+98-18" Calappa-46' 23'

+82-11" W. Cor. Ho-62'

+50-18"0-49'

+40-12"Tw 0-42'

+34-18"0-41' +36-18"0-43'

+88 Cor. Pot hole-37'

+94 Range 716

+93-83' Conc. Walk-27' 18" 12" 11'

+98-18" Calappa-46' 23'

+82-11" W. Cor. Ho-62'

+50-18"0-49'

+40-12"Tw 0-42'

+34-18"0-41' +36-18"0-43'

+88 Cor. Pot hole-37'

+94 Range 716

+93-83' Conc. Walk-27' 18" 12" 11'

+98-18" Calappa-46' 23'

+82-11" W. Cor. Ho-62'

+50-18"0-49'

+40-12"Tw 0-42'

+34-18"0-41' +36-18"0-43'

+88 Cor. Pot hole-37'

+94 Range 716

+93-83' Conc. Walk-27' 18" 12" 11'

+98-18" Calappa-46' 23'

+82-11" W. Cor. Ho-62'

+50-18"0-49'

+40-12"Tw 0-42'

+34-18"0-41' +36-18"0-43'

+88 Cor. Pot hole-37'

+94 Range 716

+93-83' Conc. Walk-27' 18" 12" 11'

+98-18" Calappa-46' 23'

+82-11" W. Cor. Ho-62'

+50-18"0-49'

+40-12"Tw 0-42'

+34-18"0-41' +36-18"0-43'

+88 Cor. Pot hole-37'

+94 Range 716

1-12-45

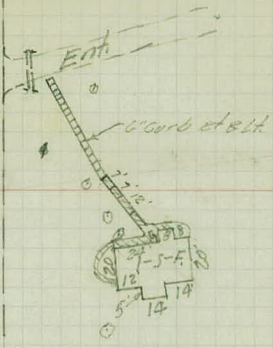
SWAMP

2' bottom

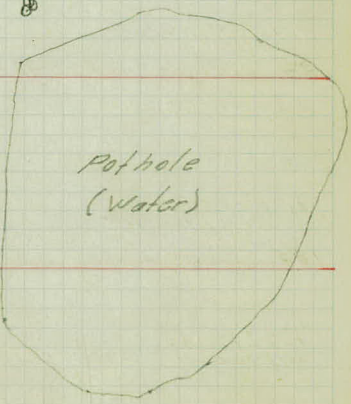
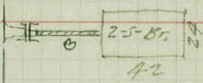
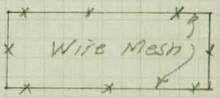
Oaks

Scattered

Maple



Trees & Brush



+25-PP-

136 Fe-29

10' 10'

Fe-33'

+99-8" Willow-31'
+91-8" Willow-31'
135 Fe-31'
+92-6" Willow-32'
+88-Cor Swamp-25'
+60-PP-28'

134 Cor Swamp-23 Fe-34' 11'

+44-PP-28'

133 Swamp-23'

+12-Ent-12"X17CM-22'
+05-15" Pine-40'
11' 11'

+92-6" Pine-40'

+77-15" Pine-39'
+69-12" Pine-39'

+65-PP-29' - Fe Cor-34'
+45-8" W. Ash-34'
11'

+95-10" Tw. PE-34'
+77-6" Hedge-40'
+71-Ent-10' H.W.
+65-6" Hedge-33' Double Ent.
+58-Ent-8' H.W.
+41-PP-30'
+16-Fe Cor-32'
+05-Ent-12"X20CM 4' H.W.
11' 10' 23'

+66-Fe Cor-34'

+55-Ent-12"X20CM-23' 8' H.W.
+40-1' ditch-45'
+32-12CM-27-37'

+29-12"CM-XDRAIN 24-22
+27-PP-
132 Swamp-24' Fe-33' 10' 9'

+67-6" Hedge-32'
+60-4" Willow-35'

+08-PP-28'
+27-End of ditch-105
+05-Cor Swamp-33'
131

+35-26-6" Rd. 15"X20CM
23'
+05-Fe-33'
10'

+68-24"O-42'
+43-20"O-42' 147-12"O-42'
+40-18"O-35'
+06-30"O-30'
+29-Δ in ditch-124'

130 Swamp 189-91'
Fe-33'

7

+90-12" BE-36'
+60-PP-31' 5' Cal. H.W.
+53-Ent-12"X20CM-23' 1'X12' H.W.
+37-6" Pine-39' 1'X7' H.W.
+34-2" H.W. H.W.-31' 4' Conc
+29-12"X3CM-23' 1'X12' H.W.
+23-6" Pine-39'
+12-15" E. H.W.-39'
+11-N.W. Cor H.W.-65'
11'

1-12-45

SWAMP

CULT

150 6" T. 10 133'

0000000000

SWAMP

213

4" H.W. 5' Probable

NG. 14' Green

5900

1 1/2 - 5 - 8 1/2
35'

+87-5' P-37'
+84-6" Chin. Elm-40'

+47-16" Chin. Elm-39'

+27-PP-28'

+22-8" BE-39'

143 FC-33'

8' 11'
+98-6" Elm-38'

+74-12" Linden-38'

+57-3" Elm-39'

+40-6" Linden-39'
+24-16" Elm-38'

142 FC-36'

7' 11'
+93 Cor Orchard-59'
+13-16" Elm-38' 19715 Elm-38'
+60-6" Tw Pine-35'
+54 Cor Orchard-59'
+48-12" Linden-38'
+39-Box 6" Pines-39'
+29-Ent.
+21 Cor Woods-46'

141 FC-36'

6' 11'

140 FC-37'

7' 12' Woods-45'

+85 Cor Swamp-30'

+76-6" Willow-36' - Cor Woods-50'

+52-PP-

+60-Ent-12" X 18" CM-31'

+42-Ent-12" CM-34'

+49 PP-47'
+45-Ent-12" CM-25'

+25-4" Chin Elm-47'

+12-4" " " -47'

139 FC-38'

6' 11'
+84 Chin Elm-44'
+15-12" Elm-44' +86 Chin Elm-32'
+57-10" Chin Elm-54'
+53-8" -53'
+49-12" -49'
+27-10" -44'
+20-8" -31'
+05-15" Chin Elm-44'
+03-Ent-12" X 18" CM-23'

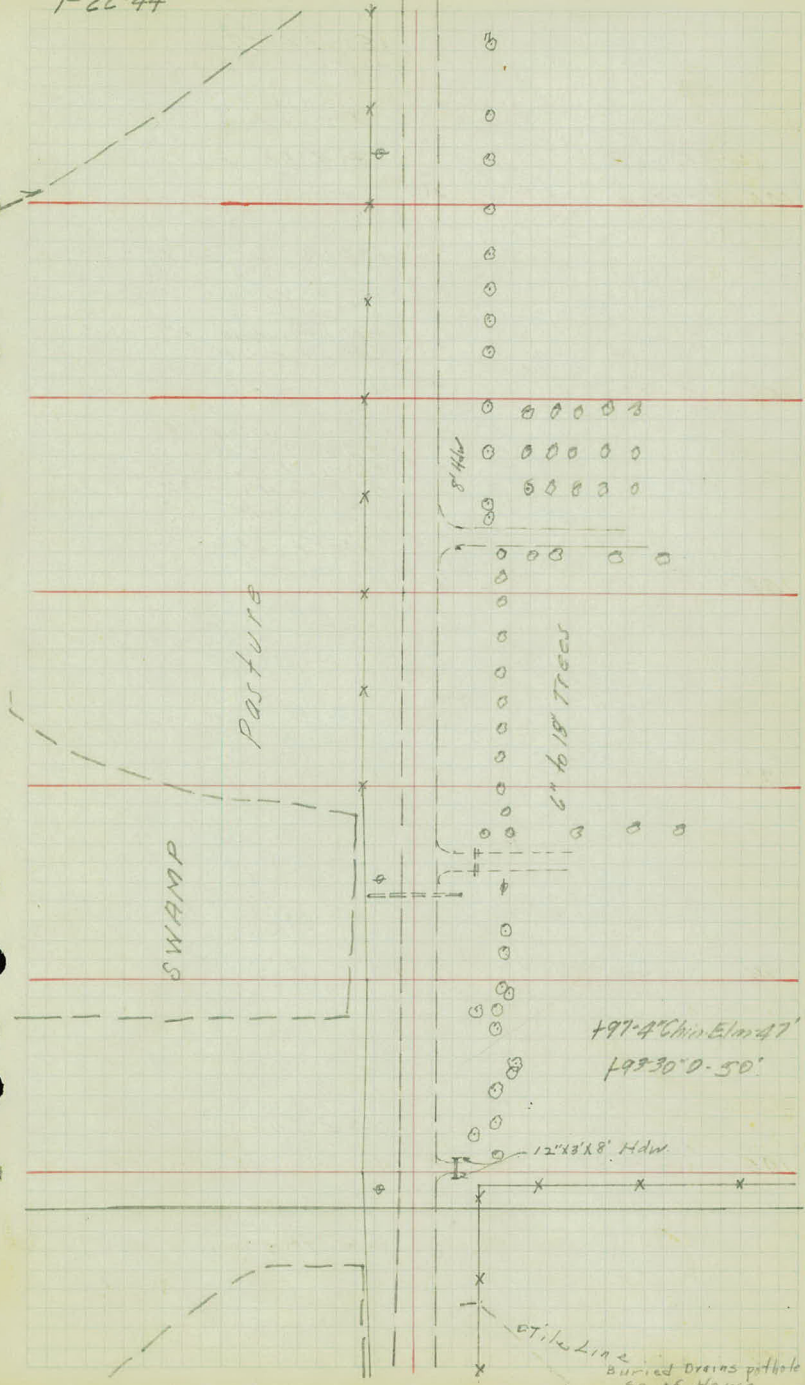
+80 Cor Swamp-33'

138 FC-36'

8' 11'
+91-PP-28'
+62 Breather Pipe-31'
+86-Gravel Lake
+75 Breather Pipe-31'
+74-6" X 2" Earthen Box-36'
+52 Cor Swamp-25'
+93 FC Cor-33'
+74 Breather Pipe-31'
+32-6" Tile-25'-34'

137 FC-32'

10' 15'



+97'-4" Chin Elm 47'
+99'-30" 0-50'

12'x3'x8' Hdw

Utility Line
Buried Drains path hole

+80-15°0-57'

+50-16°0& Fe Cor - 60'

+20-End Ditch - 23'
+02-Bed 1 Bott. Ditch - 80'
150 Lowland 25 Fe-31 8'

+28-16°0-54'
12'

+84-PP-28' 24°0-46'
+80-6°0-42'
+75-SP-35'
+87-8°Pop-47'
+45-Cor Swamp-27'
+20-12°Tr. Willow-50'

149 Fe-29' 7' 12'
+95-Cor Lowland-25'

+80-Cor Swamp-28'
+27-12°0-51'
+22-12°0-46' 15° Swamp-58'
+17-16°0-44' +42-16°0-51'
+14-10°0-41' +35-18°0-43'
+12-10°0-41'
+10-PP-28'
+06-12°0-38'

148
+95-Fe Cor - 33'

+66-615' Rd. 18" X 34' Conc - 22' +72-55" Calt. - 44'
+50-Fe Cor. - 26' +60-Ent. 18" X 31' CM - 24'
+47-Cor Swamp - 20'

+17-End 12° CM - 24.4' 12" X 47' CM.
147 Fe - 26' 7' 10'
+95 PP - 27'

146 Swamp R Fe - 26' 7' 10'

+14-PP-28'
145 Swamp - 23' Fe-29' 8' 11' 3" Chin. Elm - 40'

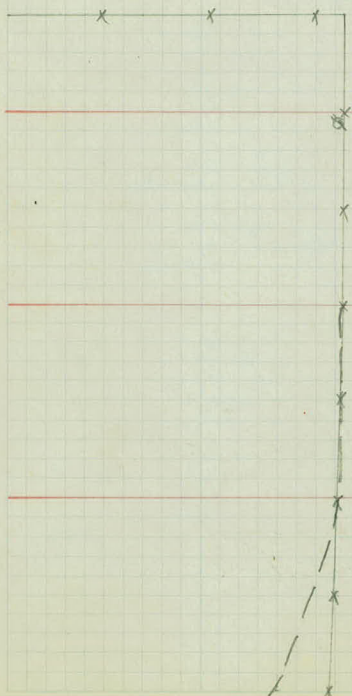
+28-Ent - 12" X 22' CM - 22'

+87-3" Elm - 40'
+74-3" Elm - 40'
+68-SP - 37'

144 Swamp - 60' Fe-33' 8' 11'

LOWLAND

SWAMP



FC-49'

+77-Step-50'
+70-FC-Cor-47'

+31-12"TW. O.-60'
+19-8"FC-43'
+11-8"TW. O.-49'
+12-End 15"CM-21'
10' 10'

+28-12"Apple Tr-49'

157

10'

+93-13"O-49'
+94-Ent.
+72-End 15"CM-21'

+50-18"O-49'
+42-18"O-50'
+34-15"O-60'
+06-PP-28'
9' 10'

156

+94-End FC-38' Step-34'

+46-10"O-50'

+04-42"Coft-31'

155

8' 10' FC-44'

+86-36"Coft-31'

+72-PP-

+65-Ent. 12"X29' CM-21'
+89-36"Coft. & FC-Cor-33'
+05-Range Tie
+34 FC-32'

9' 11' FC-40'
+88-18"O-38'

+76-12"CM-X Drain

31'-39'

+66-Step-38' +71-Step-40'
+60-15"O-54'

+16-FC-Cor-34'
+06-Range Tie
153

+42-Step-33'
+36-15"O-50'

7' 10' PP- FC-33'

+80-20"O-27'

+76-16"O-46' +78-Step-44'
+63-Step-43' +65-Step-37'
+29-Step-40'
+40-12"TW. O.-53'
+30-Step-35'
+24-16"TW. O.-53'

152 FC-33'

8' 11' FC-33'

18'

+77 X Drain 18"X49'

15"
+55-Ent. 18"X20"CM-36'
+50-FC-41'

+21-PP-28'
+23-15"O-50'
+05-Step-46'
FC-50'

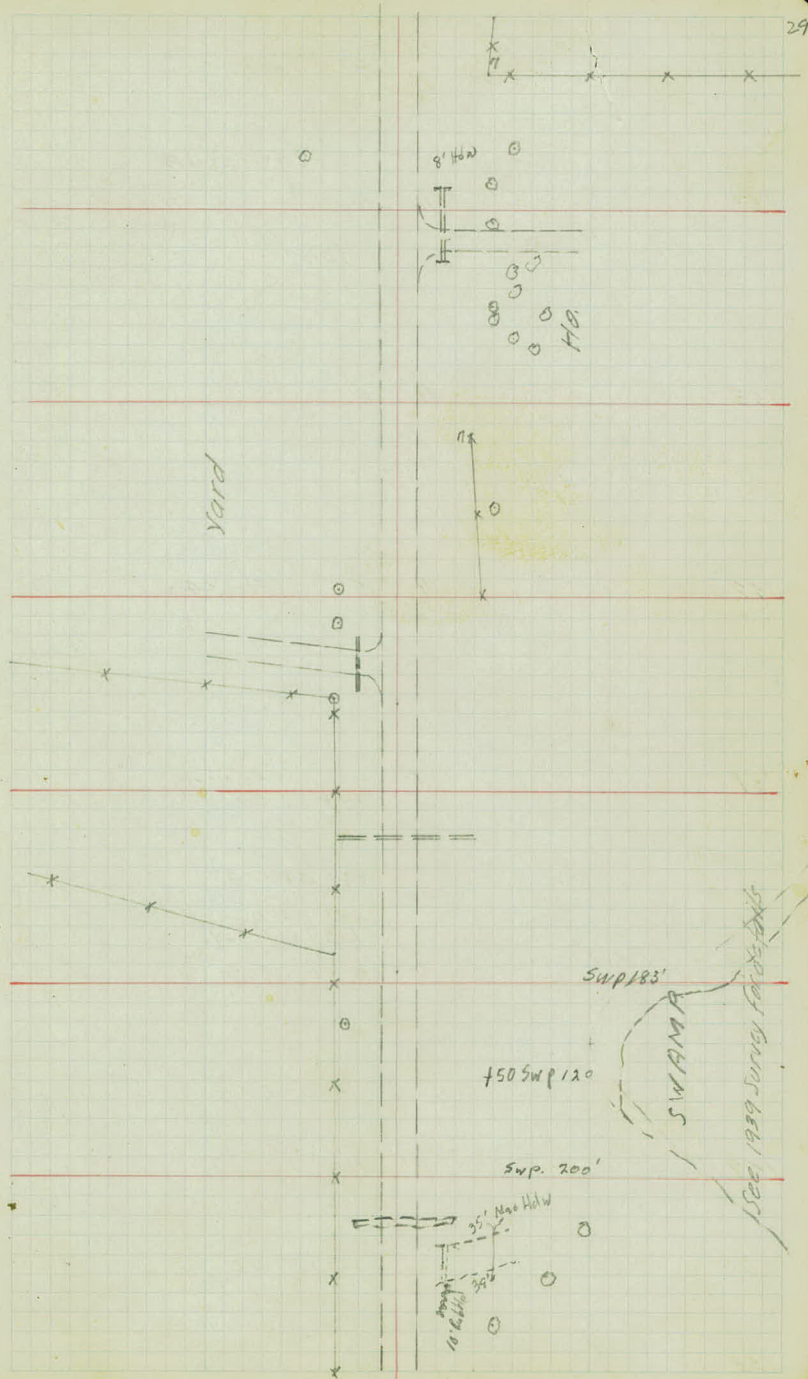
151

FC-32'

8

11'

FC-50'



+96-Fc Cor-34' 4"
+85-End C Tie

164

+20-Fc-48'
11' 9' Fc-45'

+76-5"0-48'

163

9' 9' Fc-35'

+67-18" C.M. X Drains

32'-48'

162

9' 10' Fc-34'

161

10' 9' Fc Cor-34'
+99-Fc Cor-34'

+79-16"0-45'

+43-24"0-43'

+33-18"0-39'

+31-18"0-41'

+15-18"0-49'

+01-15"0-32'

10' 9' Fc-33'

+04-18" Tw. Ash-39'
160
+95-Ent.

+80-12" Tw. Ash-39'
+50-8" Ent-80'

+52-12"0-49'

159

10' 9' +13-18"0-67'
Fc-51'

+88-18"0-82'

+85-12" Tw 0-74

+60-15" Tw 0-67' Sta 58'

+35-18"0-70'

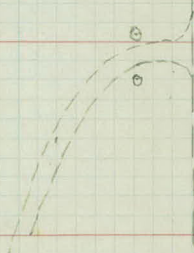
158

9' 9'

Cult.

Pasture

Wooded



171 10' 10' Fe-36'

170 10' 9' Fe-35'

169 10' 8' Fe-31'

168 10' 9' Fe-28'

167 10' 9' Fe-30'

166 10' 10' Fe-24'

165 10' 10' 124 Fe Cor - 334
118 Land Tie
109 Ent 12" X 28 CM - 23'

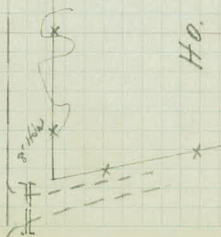
Cult.

Barb wire

Pasture

Cult.

Ho.



+52 = Fc.

+26-Rd
+05 = 42' 43' = 104'

174

+89 15" CM. X Drain

27' - 26.5'
+80 = 11' 10' = 172'

+84-Fc - 68'

+59-Fc - 39'

173

9' 11'

Fc. - 39'

172

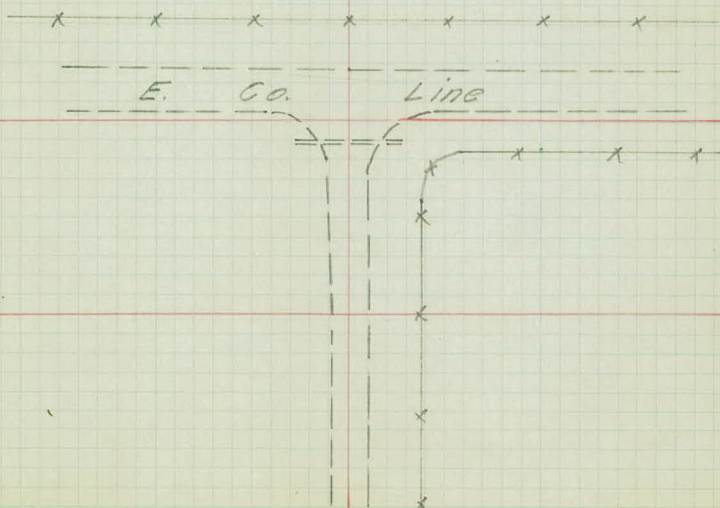
9' 11'

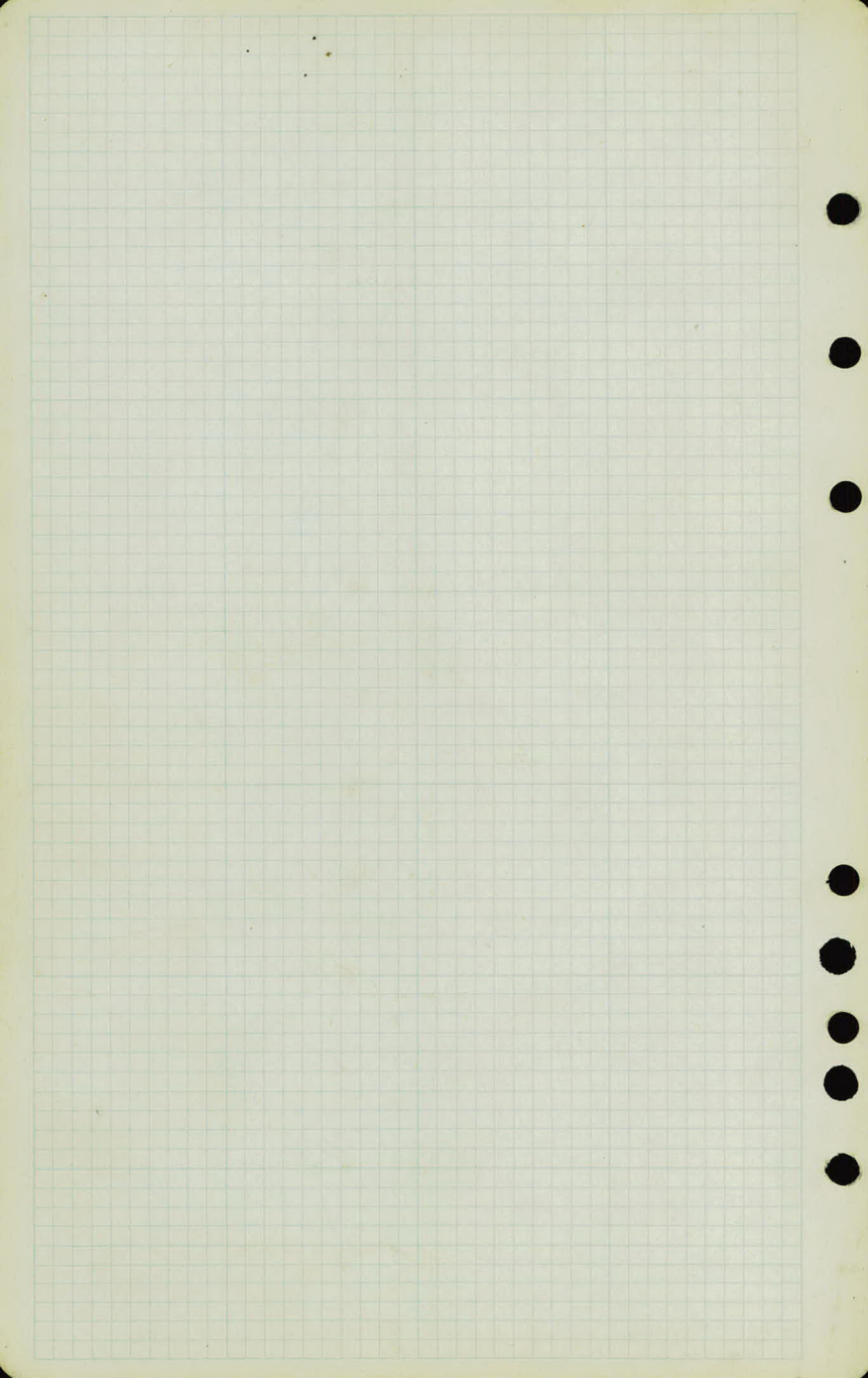
Fc. - 38'

1-22-45

32

Pasture





32 A

Additional Topog

LARPEUR AVE

Sta 105 to 108

+31 30" C.H. 151

+33 10" Tree 108'

+27 10" Pine 98'

+114 6" Pine 98'

+09 NW Cor Ho 114'

+05 Rge tre Hedge

+92 18" C.H. 75'

+85 2" Tr 85'

+73 4 Tre 98' 108'-118'-139'

+63 TP 85'

+61 Gr Fe 111'

+70 Bush 108'

+32 Fe Cor 107'

+58 Cor Hedge 65'

108

+75 Will 122'

+60 12" Will 140'

+58 18" Will 127'

+56 Tr 6" Will 114'

+36 15" Will 97'

+32 12" Will 82'

+22 12" Will 66'

+23 10" Willow 151'

+18 Cor Garden 151'

107

+82 2" Tr 135'

+72 Cor Garden 154'-202'

+70 3-6" Apple Tr 117/133'-154'

+60 2-10" Pines 185'-187'

+32 2-6" Apple Trees 121'-150'

+15 3-8" Apple Trees 120' 156'-174'

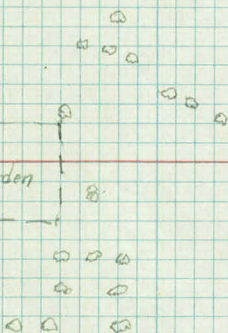
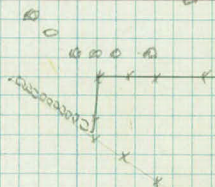
106

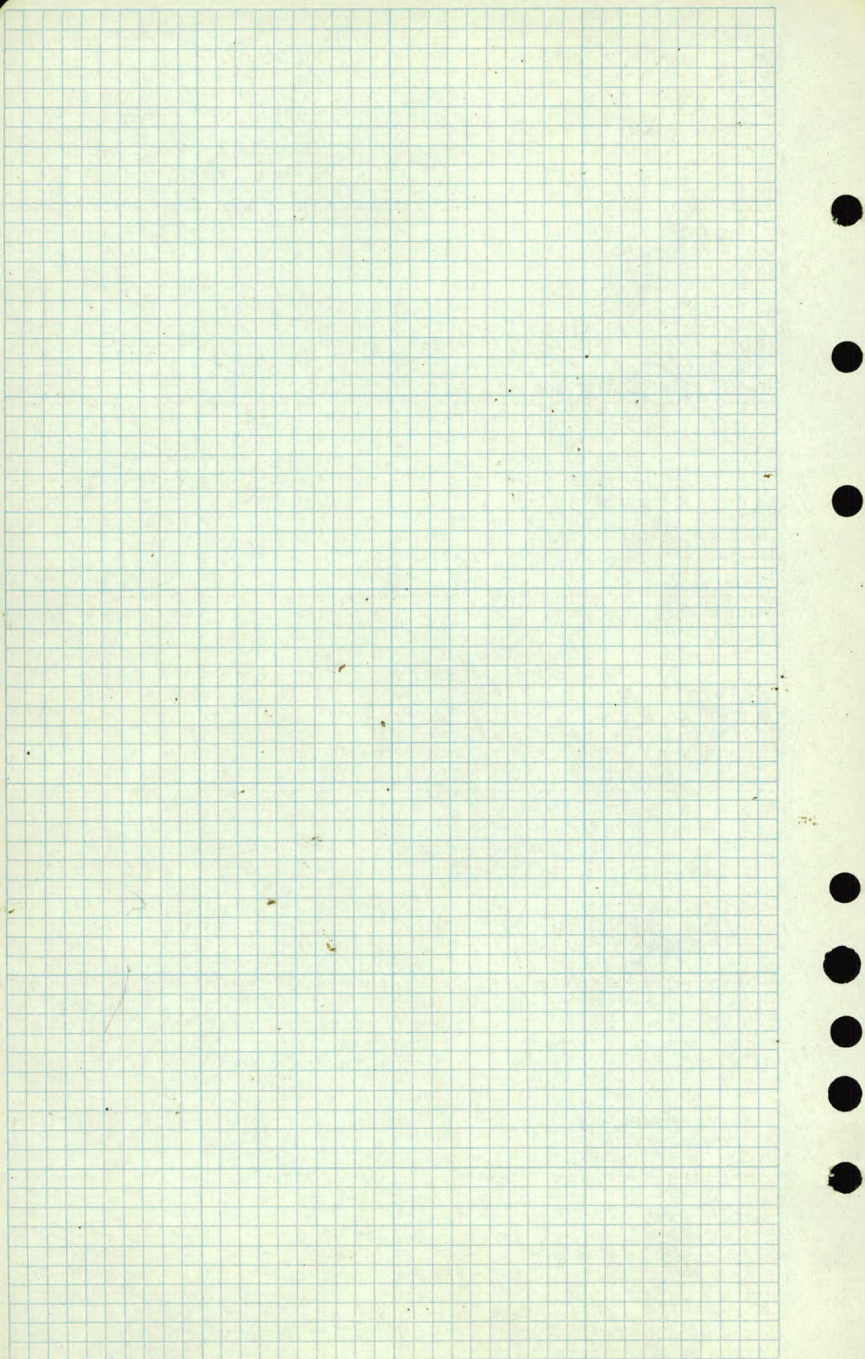
105

Yard

60	60
25F	20
49	0

Garden





Larpenteur Ave
X Sections

Sta.	+	π	-	Elev.
B.M.	10.56	893.91		(883.35)

0 +00 Profile E. Shore Dr. 883.35 ✓

+34.6 83.60 ✓

+49.5 83.67 ✓

+58 84.3 ✓

+70 84.8 ✓

+80 86.6 ✓

+90 88.1 ✓

+50 88.6 ✓

Lt E Rt

Top Iron & East Shore Drive & Larpentour Ave.

43.33	83.41	83.37	43.06	43.04
✓ 1058	1050	1056	1085	1087
100	50		50	100

83.4	83.7	83.30	83.47	83.60
✓ 12.5	102	1061	1044	1091
✓ 50	37	31.5	15	

43.5	83.7	83.4	83.7	83.67
✓ 104	102	105	102	1024
50	29	26	14	

84.0	84.0	84.0		
✓ 9.9	9.9	9.9		
50	22	19		

84.3	83.4	83.46	84.6	84.6
96	105	1043	93	93
16	20	28	70	

84.3	84.5	84.4	84.9	84.8
96	94	95	90	91
50	34	18	10	

84.3	84.4	85.3	85.2	
96	95	86	87	
10	17	21	50	

85.2	85.1	85.6	86.3	
✓ 87	88	83	76	
50	34	21	13	

86.6	86.5	86.0	87.0	87.5
73	74	79	69	64
9	19	23	50	

Conc.	Apron			
✓ 46.9	46.2	46.2	46.2	46.2
7.9	7.7	7.6	6.7	6.3
50	46	353	19	11

87.2	87.6	87.1	88.0	87.9
87.8	89.6	41	43	
10	20	26	60	

Conc.	Apron			
✓ 86.6	86.4	86.2	87.9	86.3
7.3	7.5	7.2	6.0	5.6
50	47	353	17	10

88.6	88.5	88.6	88.6	90.9
53	54	54	33	30
11	18	26	50	

Sta.	+	Δ	-	Elev
		893.91		
		893.89		

1	+75			889.1 ✓
---	-----	--	--	---------

2				89.3 ✓
---	--	--	--	--------

+12	Profile of Edward St.			89.4 ✓
-----	-----------------------	--	--	--------

B.M.	10.75	894.10	10.56	883.35
------	-------	--------	-------	--------

+30				89.3 ✓
-----	--	--	--	--------

+10				88.7 ✓
-----	--	--	--	--------

3				88.2 ✓
---	--	--	--	--------

+24				88.0 ✓
-----	--	--	--	--------

+61				87.7 ✓
-----	--	--	--	--------

Lt

E

Rt.

✓ 87.1 88.1 88.6 89.1 89.1 88.9 89.0 90.9 91.2 91.3
 68 58 53 48 48 50 49 30 27 24
 50 25 17 9 11 19 22 34 50

✓ 88.2 89.0 89.4
 57 49 45
 50 27 10

89.3 89.1 88.9 90.5 90.9 91.2
 46 48 50 34 30 27
 10 18 21 37 50

✓ 87.2 87.6 88.4 88.9 89.4 89.4
 67 63 55 50 45 45
 150 100 50 33 12

✓ 89.7 89.4 88.6 89.3 89.3 88.9 88.9 89.7 90.2 90.7
 44 47 55 48 48 52 52 44 39 34
 60 28 21 9 8 18 21 32 50

✓ 89.2 89.5 89.4 88.0 88.0 88.6 89.7 89.5 88.2 89.0 89.4 89.8
 49 46 47 61 21 55 54 56 59 51 47 43
 50 42 29 23 19 13 7 19 21 36 50

✓ 89.1 89.0 87.4 87.4 88.1 89.3 88.2 87.9 87.8 87.6 89.0 89.4
 50 51 67 67 60 58 59 62 63 65 51 47
 50 30 25 21 14 9 8 17 20 39 50

✓ 88.4 87.7 87.8 87.1 87.9 87.9
 57 64 70 70 62 62
 50 26 24 20 19 9

87.9
 41B Conc. Apres. $\frac{6.43}{2.32} \frac{6.3}{50}$
 88.4 87.7 87.6 86.5 87.3 88.7
 41 64 65 76 68 64
 9 18 22 24 60

✓ 88.1 87.1 86.0 86.1 87.5 87.7 87.7 87.5 87.2 87.1 87.0
 54 64 73 74 66 64 64 66 69 70 76 70 74 71
 60 27 24 21 17 10 7 11 19 24 26 33 50

94.10
51 2
5 40

Sta	+	π	-	Elev
		894.10		

4				887.5. ✓
---	--	--	--	----------

	+50			86.5. ✓
--	-----	--	--	---------

5				85.1. ✓
---	--	--	--	---------

	+21	Conc. Drive		
--	-----	-------------	--	--

	+50			84.4. ✓
--	-----	--	--	---------

	+79	Conc. Drive		
--	-----	-------------	--	--

6				84.0. ✓
---	--	--	--	---------

T.P.	467	888.74	10.03	884.07
------	-----	--------	-------	--------

	+34			84.2. ✓
--	-----	--	--	---------

Lt.

E

St.

✓ 86.2 87.1 86.2 86.2 87.8 87.5
59 64 79 79 69 66
50 28 24 21 18 11

87.5 87.1 87.0 86.3 86.3 87.3 86.9
66 70 71 78 78 68 72
9 18 21 24 27 50 ✓

✓ 87.7 87.6 85.4 85.4 86.0 86.4 86.5
64 65 87 87 81 77 76
50 30 24 20 18 10

86.1 86.0 85.6 85.6 87.6 87.6
80 81 85 85 45 66
8 18 23 25 30 50 ✓

✓ 84.0 84.3 83.9 83.8 84.7 85.0 85.1 84.9 84.4 85.2 87.1
101 98 102 103 94 91 90 92 92 97 89 70
50 25 23 21 19 11 7 20 22 24 25 50 ✓

85.2 86.9
89 72
31 50

✓ 83.2 83.1 83.9 84.1 84.3 84.4 84.1 83.9 83.4 84.7 86.4 87.0
109 110 102 100 98 97 100 102 107 94 77 71
50 21 18 13 9 8 21 23 24 28 45 50 ✓

84.0 86.0
101 81
32 50

✓ 83.1 82.7 82.8 83.9 84.1 84.0 83.8 83.6 83.0 83.0 84.6 86.3
77.7 77.3 77.4 78.5 78.7 78.6 78.4 78.2 77.6 78.6 79.4 81.1
110 114 113 102 100 101 103 105 111 101 95 78
50 38 23 14 10 6 18 22 24 26 31 50 ✓

✓ 83.1 82.5 82.3 82.2 83.9 84.2 83.8 83.6 83.3 83.2 83.9 84.6 86.0 86.5
56 62 64 55 48 45 49 51 54 58 48 41 27 22
50 40 22 18 11 8 17 21 23 27 32 43 50

Sta. + π - Elev.

888.74.

6 +47

884.3. ✓.

+72

84.7. ✓.

7

85.1. ✓.

+31

85.3. ✓.

+65 CONC. DRIVE

+72

84.9. ✓.

8

83.8. ✓.

+15

83.1. ✓.

L

E

R

83.0 84.5 84.7 83.5

84.1

84.2 84.1 84.1 83.1 83.1

✓ 57 62 65 54 46
50 36 22 18 9

44 46 46 56 56
7 14 22 50.

✓

83.5 83.0 84.5 83.0

84.5

84.7

84.4

83.9

83.5

83.5

84.1

✓ 53 57 61 49 42 40 4.3 48 54 52 46
50 37 22 18 9 12 19 23 27 50 ✓

84.2 83.8 84.0 84.2 83.1 83.7 84.5 84.8

85.1

84.8

84.6

84.2

86.5

87.3

87.7

✓ 4.5 49 47 45 50 50 4.2 39 36 39 41 4.5 22 14 10 ✓
50 38 33 24 23 21 19 14 10 17 22 25 33 42 50

85.1

87.1

83.6

84.6

84.9

85.3

85.0

84.8

84.6

85.0

87.0

88.1

✓ 36 16 49 42 38 34 37 39 41 37 17 06
50 32 24-21 18 10 8 19 22 27 36 50 ✓

85.7

87.3

30

14

28

50

86.2 86.7

83.4

84.2

84.4

84.9

84.5

84.5

85.0

86.7

87.5

✓ 25 20 53 45 43 38 42 42 37 30 12 ✓
50 30 23-21 19 11 6 17 26 29 50

84.1

82.6

84.1

84.7

84.1

83.3

83.6

83.8

83.6

83.7

84.1

85.4

84.4

✓ 46 51 46 60 60 54 51 49 51 50 46 33 13 ✓
50 31 27 24 21 19 10 6 19 26 30 50

83.0

82.8

82.9

82.0

82.0

82.5

82.9

83.1

83.0

82.9

83.1

83.1

82.1

✓ 57 59 58 67 67 62 58 56 57 58 50 36 16 ✓
50 37 25 24 22 20 10 7 15 26 30 50

Sta + π - Elev.

888.74.

882.3. ✓.

8 +33

81.2. ✓.

+62

9

80.1. ✓.

+50

79.0. ✓.

10

78.5. ✓.

+50

78.1. ✓.

11

77.1. ✓.

+15

76.8. ✓.

Lt.

E

Rt.

$\checkmark$ 81.6 81.5 81.5 81.0 81.6 82.4 82.3 82.3 81.7 81.5 82.1 83.3
 71 72 77 77 69 68 64 64 66 70 72 56 54
 50 25 23 20 18 9 8 18 20 26 28 50

$\checkmark$ 81.4 81.2 80.9 80.8 80.0 80.8 81.0 81.2 81.1 80.1 80.3 81.1 80.1
 73 75 78 87 87 79 78 75 76 80 84 84 76 80
 50 32 26 23 20 18 11 8 18 20 26 28 50

$\checkmark$ 79.6 79.8 78.0 78.0 79.1 79.9 80.1 80.0 79.4 79.0 79.1 80.5 80.6
 91 89 97 97 90 88 86 87 93 97 98 82 81
 50 26 24 22 20 9 9 19 21 24 28 50

$\checkmark$ 78.5 77.8 77.6 78.4 78.7 79.9 78.9 78.3 77.8 77.9 79.0 79.1
 102 99 111 103 100 97 98 104 109 108 97 96
 50 26 23 21 19 9 8 20 22 24 27 50

$\checkmark$ 79.4 78.8 78.4 77.4 78.3 78.4 78.5 78.4 78.0 77.7 77.3 77.9 77.6
 93 99 103 113 104 103 102 103 107 115 114 108 111
 50 34 27 23 21 18 11 8 18 21 24 26 50

$\checkmark$ 79.9 79.3 76.9 76.8 77.9 78.1 78.1 77.9 77.8 77.4 77.4 77.2
 88 94 118 119 108 106 106 108 113 113 93 95
 50 30 25 22 18 7 8 17 28 33 50

$\checkmark$ 79.6 78.6 76.6 76.6 76.5 76.8 77.0 77.1 76.9 76.9 76.6 76.0 79.6
 91 101 122 131 122 119 117 116 118 118 121 87 91
 50 31 23 23 22 21 17 8 7 17 25 33 50

$\checkmark$ 79.2 78.2 76.2 75.1 76.3 76.7 76.8 76.5 76.3 76.1 76.0 79.6 79.9
 95 105 125 136 124 120 119 122 124 120 127 91 97
 60 30 24 23 22 21 8 8 14 17 22 24 33 50

Sta.	+	π	-	Elev.
		888.74.		
11	+20			876.7. ✓.
	+27			76.6. ✓.
	+32			76.5 ✓.
T.P.	369	879.52.	13/11	875.63.
	+58	Comp. Drive		
	+65			75.8. ✓.
	+89			75.2. ✓.
12				75.0. ✓.
	+50			74.4. ✓.

Lt.

E

Rt.

$\checkmark$ 77.0 76.9 76.1 74.9 76.3 76.6 76.1 76.3 76.5 75.9 76.1 74.7 74.4
 117 118 126 138 124 121 120 124 122 128 126 93 93
 50 31 24 23 22 21 9 9 18 21 23 33 50

$\checkmark$ 76.1 76.5 76.4 76.6 76.3 76.2 76.1 75.9 74.1
 120 122 123 121 124 125 125 98 96
 50 20 9 10 18 24 33 50

$\checkmark$ 76.1 76.3 76.5 76.4 76.5 76.4 76.2 76.1 75.1
 120 124 122 125 122 123 125 125 130
 50 22 15 8 8 18 24 28 50

75.6 75.3 7

37 3.95

27 50

$\checkmark$ 76.6 76.1 76.3 74.7 74.7 76.1 75.4 75.6 75.2 75.1 75.1 75.5 75.1
 37 36 40 46 46 42 38 35 38 41 42 42 38 42
 50 38 25 24 21 18 8 8 19 21 24 27 50

$\checkmark$ 75.3 75.3 74.4 74.1 74.2 74.7 75.0 75.2 75.0 74.4 74.3 74.9 75.3
 40 40 45 52 51 46 43 41 43 49 50 44 40
 50 38 27 24 21 19 13 8 15 20 26 50

$\checkmark$ 71.7 72.0 71.6 71.3 71.8 75.0 74.7 74.1 74.3 74.9 75.2
 76 73 67 50 45 43 46 52 50 44 41
 50 41 24 19 9 8 16 20 26 50

$\checkmark$ 70.9 71.2 73.4 74.1
 84 81 59 52
 50 27 19 9

$\checkmark$ 74.4 74.7 73.1 75.6 74.6 74.9
 49 51 56 58 47 44
 8 13 19 26 50

Sta.	+	π.	-	Elev.
		879.32.		
12	+70			874.3. ✓.
13				74.2. ✓.
	+29			74.2. ✓.
	+65			74.5. ✓.
T.P	1317	886.53	3.96	875.36
14				75.3. ✓.
	+50			77.2. ✓.
	+76			78.3. ✓.
15				79.5. ✓.

L.F.

E

R.F.

71.0 70.6 73.2 75.9 43
 8.3 8.5 61 54 50
 50 25 19 9

74.0 73.7 71.8 70.4 70.1
 5.3 5.6 75 8.9 9.2
 9 20 28 38 50

70.7 71.0 73.5 73.9
 8.6 8.3 58 54
 50 26 20 9

74.2 74.0 73.0 70.6 70.3
 5.5 5.3 6.3 8.7 9.0
 9 20 28 50

71.0 (FL) 70.8 73.4 71.1 74.2 73.9 73.1 (FL) 70.8 70.1 70.0
 8.3 8.5 5.9 5.2 5.1 5.4 6.3 9.3 9.2 9.9
 50 25 18 7 9 20 27 50 100

72.4 73.1 74.1 74.5
 6.9 6.2 5.2 4.8
 65 23 19 6
 E Sta. 14+00

74.5 74.1 73.7 71.8 70.3 70.5
 4.8 5.2 6.1 8.3 9.0 8.8
 9 21 26 30 50

73.5 74.2 71.1 71.1 71.3 74.9 73.6 70.9 71.2
 15.0 14.3 13.4 13.4 13.2 13.6 14.9 17.6 17.3
 50 21 19 8 9 20 28 50

72.1 76.4 71.5 77.8 77.0 71.3 76.7 77.0 77.2 76.6 75.9 72.4 72.0
 11.4 12.1 14.0 10.7 11.5 11.2 11.8 11.5 11.3 11.9 12.6 16.1 16.5
 50 42 35 26 24 21 21 14 7 10 20 29 50

79.8 79.0 74.5 77.8 71.4 76.2 76.6 78.1 76.3 76.9 77.2 75.0 73.8 74.1 74.5
 8.7 9.5 9.0 10.9 11.1 10.3 10.9 10.4 10.2 10.6 11.3 13.5 14.7 15.4 15.0
 55 40 28 24 20 18 10 8 10 21 27 35 39 50

78.7 82.3 74.8 74.5 78.9
 5.8 6.2 9.7 9.7 9.0 9.6
 50 29 24 21 19 10

79.5 79.3 78.7 77.6
 9.0 9.2 9.8 10.9
 10 20 50

Sta.	+	π	-	Elev.
		888.53		
15	+39			881.4. ✓.
	+79			83.8. ✓.
B.M.	1.66	888.54	1.66	886.87 (886.88) ✓.
16				85.1. ✓.
	+09			85.4. ✓.
	+15			85.7. ✓.
	+3265 E English St.			86.2. ✓.
	+51			86.7. ✓.
	+56			86.8. ✓.

LT

E

RT

✓ 86.6 85.5 81.0 81.4 81.1 81.5 81.4
 L.O. ✓ 19 20 75 71 74 74 71
 50 33 23-20 18 14 8

81.4 81.8 82.2 83.6 84.3
 71 77 68 49 42
 11 24 28 40 50 ✓

86.9 86.9 85.9 85.5 83.1 83.8 83.8 83.2 85.9
 L.O. 1.6 16 26 60 50 54 41 47 54 53 29 26
 50 32 30 23-21 17 10 12 21 25 33 50
 Top N. End Door Sill Front of Bldg SW cor. English & Larp.

✓ 86.3 86.4 83.5 83.5 84.8 84.7 85.1 85.2 84.9 84.3 85.4 85.8
 L.O. ✓ 22 21 50 50 37 38 34 33 36 42 31 27
 50 32 24 21 18 8 10 17 25 28 50 ✓

84.2 83.9 84.8 84.9 85.4 85.6 84.9 85.1 85.6
 ✓ 43 46 37 36 31 29 36 34 29
 50 32 25 15 18 24 33 50 ✓

84.9 84.9 85.1 85.1 85.0 85.1 85.5
 ✓ 36 36 34 28 25 34 30
 50 30 15 16 33 50 ✓

85.7 85.4 85.4 85.6 86.2 86.4 85.9 85.6 85.7
 ✓ 28 31 31 29 23 21 26 29 28
 150 100 50 28 10 50 100 150 ✓

85.4 85.6 86.6 86.7 86.4 86.1 85.8
 ✓ 31 29 19 18 19 24 27
 50 25 6 8 23 50 ✓

84.6 84.7 85.9
 ✓ 39 38 26
 50 30 19

86.8 86.6 86.3 84.9 84.6
 ✓ 19 22 36 39
 9 16 26 50 ✓

Sta	+	π	-	Elev.
		888.54		887.0. ✓

16 +61

T.P.	9.09	897.58	0.05	888.49
------	------	--------	------	--------

+72

87.5. ✓

17

88.5. ✓...

+26

89.5. ✓...

+60

90.5. ✓...

18

91.6. ✓...

+12

91.9. ✓...

+24

92.1. ✓...

Lt.

E

Rt.

✓ 856 865 865 865 865 865
29 30 30 20 18
50 24 19 15 10

870 868 862 851 848 851
15 17 23 28 37 34
10 15 20 27 50

+

✓ 834 843 844 845 810 813 815 870 869 858 890 904 899
122 123 132 131 106 103 101 106 108 118 86 72 77
50 36 27 24 17 7 10 16 18 24 30 50 75

✓ 842 838 812 880 883
134 138 104 96 93
50 28 18 15 8

865 883 890 871 873 891 813 812 899
919 93 96 105 103 79 63 64 77
9 16 19 24 31 43 50 75

✓ 836 839 852 876 892 895
138 137 124 88 84 81 83 86 95 94 77 67
50 30 26 17 8 10 18 20 25 30 50

✓ 839 844 866 866 863
137 132 110 78 73
50 31 25 18 9

905 903 900 881 884 902
71 73 76 95 92 74
9 17 24 29 50

✓ 851 851 812 816
125 125 64 60
50 33 16

813 875 885
63 101 91
16 28 50

✓ 853 861 815
123 115 61
50 32 16

819 816 812 883
57 60 104 93
16 30 50

✓ 811 813 820 821
65 63 56 55
60 22 16

821 812 811
55 64 65
15 20 50

Sta.	+	π	-	Elev
		897.58		
18 + 33	Top Rail		532	892.26.
+38	Top Rail		532	892.26.
+47	Top Rail		520	892.38.
+52	Top Rail		522	892.36.
+59				92.5. ✓
+68				92.6. ✓
+84				92.8. ✓
19				93.0. ✓

Lt

E

Et

$\checkmark$ 91.5 91.6 92.5 92.5 92.4 92.2 91.5 91.0
 61 60 51 51 52 54 61 66
 50 21 15 9 16 20 50 $\checkmark$

$\checkmark$ 91.2 91.5 92.2 92.7 92.6 92.4 92.2 91.9 91.9 91.0
 84 81 54 49 50 52 54 97 97 86
 50 24 16 9 11 17 27 32 84 $\checkmark$

$\checkmark$ 91.7 92.3 92.4 92.7 92.6 91.5 91.0 91.2 91.6 91.6 91.4
 79 73 52 49 48 51 56 104 110 130 132
 50 23 16 9 11 17 31 44 55 75 $\checkmark$

$\checkmark$ 90.5 90.2 92.4 92.6 93.0 92.7 92.2 91.7 91.6
 71 74 52 4.0 46 49 54 99 11.0
 50 22 14 9 11 18 30 50 $\checkmark$

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

897.58.

19 +50

892.9. ✓.

+74

92.9. ✓.

+85

92.8. ✓.

20

92.8. ✓.

+20

92.9. ✓.

+30 FL 24" C.M. X Drain

+60

93.2. ✓.

21

93.6. ✓.

T.P.

508

898.60.

406

893.52.

LH

E

RH

88.5 88.0 91.1 92.8 92.9
91 96 55 48 47
50 30 16 8

92.4 88.7 86.3 100.5
52 89 118 124
17 27 36 50

87.6 87.7 92.0 92.6
✓ 100 99 56 50
50 30 17 8

92.9 92.6 92.0 87.4 85.6
47 50 56 102 120
12 19 35 50

87.2 87.5 91.8 92.4
✓ 104 101 58 52
50 29 18 10

92.8 92.7 91.3 90.4
48 49 63 72
11 31 50

87.3 87.2 91.7 92.6 92.8 92.5 91.7 90.6
✓ 103 104 59 50 48 51 59 70
50 32 17 8 20 30 50

87.1 87.6 91.9 92.6
✓ 105 103 57 50
50 32 18 8

92.9 92.6 92.5 85.7 85.2
47 50 55 119 124
11 17 37 50

86.5
11.1
36

94.93
12.65
42

87.9 87.8 92.5 93.0 93.2
✓ 97 98 51 46 44
50 28 16 9

92.9 92.5 86.5 85.9
47 51 111 117
10 17 37 50

88.9 88.0 89.5 92.8 93.2
✓ 87 96 81 48 44
50 32 27 18 9

93.6 93.4 92.7 90.0 89.7
40 42 49 76 79
10 18 27 40

Sta	+	π	-	Elev.
		898.60		

21 +40

893.6. ✓.

+70

93.6. ✓.

22

93.7. ✓.

+34

93.8. ✓.

+50

93.9. ✓.

23

94.0. ✓.

+50

94.2. ✓.

24

94.4. ✓.

12-14-44

46

Lt.

E

Rt.

^{87.8 89.6 91.6 92.6 94.4 94.6 94.4 92.7 88.9 88.3 84.2}
 ✓ 88 90 90 60 52 50 52 59 97 103 104
 50 42 28 16 9 11 17 29 42 50

^{91.7 90.3 90.4 92.6 93.5 93.6 93.4 93.0 89.7 89.1}
 ✓ 7.9 83 82 6.0 51 50 52 56 89 95
 50 35 26 16 7 11 16 26 50

^{90.6 90.6 90.1 92.0 93.4 93.7 93.5 92.8 91.7 91.0 91.6}
 ✓ 80 80 79 56 52 49 51 58 69 66 71
 50 33 23 15 9 11 16 24 36 50

^{91.3 91.4 91.5 92.2 93.6 93.8 93.5 93.0 91.7 91.5 92.0 92.1 92.8}
 ✓ 73 72 71 54 50 48 51 56 69 71 66 59 58
 50 35 23 15 8 11 17 22 26 29 40 50

^{91.4 91.6 91.6 93.2 93.7 93.9 93.1 92.6 91.2 91.2 91.7}
 ✓ 72 70 70 54 49 47 51 60 74 74 69
 50 34 23 15 9 10 18 23 30 50

^{91.0 91.8 93.0 93.9 94.0 93.6 93.1 92.1 91.9 91.6 91.8}
 ✓ 76 68 56 47 46 50 55 65 67 70 68
 50 25 18 8 10 16 21 27 36 50

^{90.7 91.5 92.3 93.4 94.0 94.2 94.0 93.3 92.2 92.1 92.5 92.5}
 ✓ 79 71 63 52 46 44 46 53 64 65 58 61 61
 50 34 21 17 9 9 16 19 23 25 34 50

^{91.0 91.1 91.5 93.3 94.4 94.4 94.2 93.9 92.6 92.3 92.6 92.8 92.7}
 ✓ 76 75 71 53 44 42 44 47 60 63 60 58 59
 50 35 23 16 8 8 16 19 22 25 38 50

Sta	+	π	-	Elev
		898.60		
24	+50			894.6. ✓..

25				94.7. ✓..
T.P.	15.24	909.96	3.88	894.72

+50				95.2. ✓..
-----	--	--	--	-----------

26				95.5. ✓..
----	--	--	--	-----------

+50				95.7. ✓..
-----	--	--	--	-----------

27				95.9. ✓..
----	--	--	--	-----------

+50				96.3. ✓..
-----	--	--	--	-----------

28				96.7. ✓..
----	--	--	--	-----------

1-15-45
K.R.
C.F.
C.N.

LA

E

CA

✓ 91.9 92.0 91.8 92.4 93.9 94.4 94.6 94.4 94.0 92.4 92.3 93.0 93.4
67 46 68 62 47 42 40 42 46 62 63 56 52
50 40 31 21 15 8 8 15 22 31 38 50

✓ 92.6 92.6 93.0 93.0 94.1 94.5 94.7 94.5 94.7 92.7 92.4 92.1 93.6
50 50 56 56 45 41 39 41 44 59 62 55 50
50 27 23 18 16 10 9 15 21 29 38 50

✓ 94.6 94.6 94.6 92.3 93.6 94.3 93.8 93.4 92.2 92.9 93.8
145 145 165 168 155 148 153 157 169 162 153
60 30 23 20 16 11 15 20 41 60

✓ 95.9 95.1 93.1 92.1 93.9 94.3 94.6 93.6 92.8 92.8 94.0 95.1
132 134 160 163 152 148 145 150 163 163 151 140
60 32 24 20 16 9 16 19 24 27 60

✓ 97.5 96.8 93.3 92.9 94.0 94.4 94.8 95.2 93.1 93.2 94.6 95.1
116 123 158 162 151 147 143 149 160 159 145 140
60 32 24 20 17 8 15 19 24 29 60

✓ 90.9 92.2 98.6 92.9 93.4 94.4 94.7 95.0 94.4 93.5 93.3 95.0 94.9
91 99 105 152 157 149 144 141 145 156 158 141 142
75 55 35 26 20 16 9 15 19 23 28 60

✓ 2.0 1.8 1.4 95.4 94.3 93.8 94.7 96.4 94.7 93.8 93.8 97.5 96.7
71 73 77 137 148 153 144 137 144 153 153 116 124
75 58 41 29 22 19 16 15 19 25 32 60

95.3 94.1 94.3 94.5 96.8 95.4 94.7 95.0 95.6 95.8 95.0 94.4 94.6 94.8 90.6 94.0
58 50 48 46 123 139 144 141 135 133 141 147 145 133 73 85 101
100 83 65 46 31 23 18 15 10 14 20 22 28 40 57 75

Sta	+	π	-	Elev
		909.96		
28	+13			897.1. ✓.
	+60			97.6. ✓.
29				97.9. ✓.
	+28			98.1. ✓.
	+55			98.2. ✓.
	+63			98.3. ✓.
30				98.5. ✓.
	+30			98.8. ✓.

Lt.

E

Rt.

$\checkmark$ 03.5 03.8 04.0 04.9 8.3 5.6 5.3 5.7 9.6.1 9.6.2 9.6.0
 56 53 45 42 108 135 138 134 130 139 131 137 143 142 133 65 78 74
 100 93 67 47 33 21 16 15 8 7 15 19 22 27 41 56 75

$\checkmark$ 03.8 03.3 03.6 9.6.5 9.5.4 9.5.9 9.6.6 9.6.7 9.6.6 9.6.1 9.5.6 9.5.8 9.7.6 04.7 04.9 03.1
 6.9 58 55 126 137 132 125 124 125 130 135 133 115 44 42 6.0
 80 51 49 28 21 16 8 7 15 19 23 32 45 57 85

$\checkmark$ 02.3 02.5 02.9 9.7.3 9.5.1 9.5.5 9.6.2 9.6.7 9.7.0 9.7.0 9.6.3 9.5.9 9.6.2 9.5.9 04.9
 6.8 66 62 118 134 136 129 124 121 121 128 132 109 32 34 42
 80 50 40 29 23 20 16 8 7 15 19 21 31 46 58 85

$\checkmark$ 02.5 02.5 02.7 9.7.2 9.6.0 9.6.3 9.7.0 9.7.2 9.7.1 9.6.7 9.6.9 9.6.1 9.5.3 9.6.8 9.6.8 03.1
 6.6 66 64 119 131 128 121 119 120 124 132 130 108 23 23 35
 80 49 39 28 21 16 8 7 15 18 21 31 47 60 100

$\checkmark$ 03.8 03.7 04.2 9.8.7 9.6.1 9.6.4 9.7.1 9.7.3 9.7.0 9.6.7 9.6.2 9.7.8 9.6.5 9.7.4 07.9
 53 54 49 104 118 130 127 120 118 119 124 129 113 26 17 1.2
 80 30 42 31 26 20 16 7 8 15 20 31 47 67 100

$\checkmark$ 03.9 04.2 04.6 9.8.7 9.7.2 9.6.5 9.6.6 9.7.2 9.7.4 9.7.1 9.6.7 9.6.3 9.6.7 9.6.1 04.6 05.0 05.9 04.6
 52 49 45 104 119 126 125 119 117 120 124 128 124 110 45 41 32 24
 80 51 42 31 25 21 15 7 8 16 20 23 31 43 53 60 100

$\checkmark$ 03.5 04.3 04.8 9.7.9 9.6.7 9.6.7 9.7.5 9.7.6 9.7.4 9.6.8 9.6.4 9.6.5 9.7.8 03.4 03.6 03.0
 5.6 48 43 112 124 124 116 115 117 123 127 125 113 57 55 61
 80 52 43 28 20 15 7 10 17 20 22 24 29 39 51 75

$\checkmark$ 03.5 04.5 05.1 9.8.1 9.6.8 9.6.8 9.7.7 9.7.9 9.7.2 9.7.2 9.6.4 9.7.1 9.7.2 03.0 03.7 01.9
 5.6 46 40 109 123 123 114 112 113 119 127 120 103 55 64 7.2
 80 53 43 29 20 16 6 9 16 20 24 30 40 60 75

Sta.	+	π	-	Elev.
		909.96		
30	+70			899.1. ✓..
31				99.4. ✓..
	+27			99.7. ✓..
	+60			99.9. ✓..
T.P.	933	909.48.	9.81	900.15.
32				900.2. ✓..
	+50			00.6. ✓..
33				01.1. ✓.
	+32			01.4. ✓..

Lt.

E

Et.

✓ 05.5 06.1 03.1 09.4 07.9 06.9 07.2 08.0 06.2 08.0 07.3 06.8 06.8 07.9 02.4 01.6 00.9
 36 24 59 97 112 122 119 111 109 111 118 123 123 112 67 75 83
 80 47 38 32 25 20 15 7 10 16 20 22 23 37 50 75 4

06.6 07.3 01.6 06.8 06.0 00.3 08.0 07.1 07.7 08.2 08.5 08.3 07.7 07.1 07.0 04.9 09.4
 25 18 15 23 31 88 111 120 114 109 106 108 114 120 121 97 97 97 ✓
 100 92 73 61 45 31 26 20 16 8 8 16 19 23 30 48 60

07.6 07.7 05.6 03.1 04.0 00.9 07.9 07.3 07.9 08.5 08.8 08.6 07.9 07.2 07.2 07.1 06.9 07.1
 15 14 35 40 51 82 112 118 112 106 103 105 112 119 119 115 116 120 ✓
 100 84 56 44 39 32 25 20 16 9 7 17 19 23 26 34 60

✓ 04.1 03.8 02.8 08.7 07.8 07.6 08.3 08.8 09.0 08.9 08.7 07.3 06.7 05.9 05.8
 30 53 63 104 113 115 108 103 101 102 104 118 124 132 133 ✓
 75 42 35 27 25 20 16 8 8 16 31 27 45 60
 6 54 32

✓ 03.5 03.2 02.2 08.8 08.6 09.6 00.1 00.2 00.0 00.8 06.9 06.2
 60 63 73 107 109 99 94 93 95 97 126 133 ✓
 60 50 33 25 20 16 7 9 15 28 53

✓ 02.5 01.3 00.5 08.9 08.7 08.8 0.5 01.6 00.4 0.0 06.7 06.2 05.4 09.7
 70 82 90 106 108 97 90 89 91 95 128 133 141 148 ✓
 60 34 29 25 20 17 7 9 15 27 38 64 100

✓ 01.4 02.2 07.7 09.0 09.0 06.6 00.8 01.1 01.1 00.6 09.0 07.6 06.2 05.4 09.7
 81 93 98 105 105 89 87 84 84 89 105 119 133 141 154 ✓
 60 43 27 24 21 16 10 5 15 20 23 23 41 100

02.9 09.0 08.3 08.1 00.4 01.2
 106 105 112 114 91 83
 60 36 26 24 16 7

01.4 01.1 08.6 06.2 05.5
 81 84 88 109 133 140
 10 16 22 31 60 ✓

Sta.	+	π	-	Elev.
		909.48,		

33 +67

901.9. $\checkmark$.

34

02.1. $\checkmark$..

+35

02.6. $\checkmark$..

+40

+68

03.1. $\checkmark$..

35

03.5. $\checkmark$..

+33

04.1. $\checkmark$..

+57

04.5. $\checkmark$..

Lt.

E

Pt.

$\checkmark$ 48.4 97.3 96.5 97.1 00.8 01.4 01.9 01.6 01.3 98.5 97.5 97.9
 11.1 12.2 13.0 12.4 87 81 76 79 8.3 11.0 12.0 11.6
 60 41 33 28 17 10 9 15 23 30 60

97.6 96.3 96.8 97.2 01.4 02.0 02.1 01.8 01.6 99.4 99.0 99.0
 11.9 13.2 12.7 12.3 81 75 74 77 79 10.1 10.5 10.5
 64 60 56 50 16 7 9 15 25 41 60

$\checkmark$ 97.3 97.9 98.5 99.6 02.0 02.4 02.5 02.4 02.3 02.4 00.5 00.5
 12.2 11.6 11.0 99 75 71 69 71 7.2 9.1 9.0 9.0
 60 42 31 24 16 10 8 15 22 39 60

141
End of ditch

$\checkmark$ 95.4 96.4 97.8 99.1 02.4 02.9 03.1 02.9 02.5 01.5 00.5 00.3 01.3
 14.1 13.0 11.7 10.4 7.1 6.6 6.6 6.7 0.8 0.9 0.2 8.2
 60 48 32 27 16 8 6 14 20 23 36 60

$\checkmark$ 95.0 95.7 97.0 99.7 02.4 02.8 03.3 03.5 03.3 02.5 00.3 99.5 99.0 99.8
 14.5 13.8 12.5 9.8 7.1 6.7 6.2 6.0 6.2 7.0 9.2 10.0 10.5 9.7
 60 47 33 23 16 14 8 6 15 23 26 35 60

$\checkmark$ 99.5 99.1 99.5 00.6 03.1 03.4 03.9 04.1 03.9 03.2 99.4 99.3
 10.5 10.4 10.0 8.9 6.4 6.1 5.6 5.4 5.6 6.3 10.1 10.2
 60 33 27 23 16 14 7 7 15 28 60

$\checkmark$ 03.1 02.1 02.6 03.6 02.8 05.4 04.5 04.5 03.9 03.4 00.9 01.0
 64 74 6.9 5.9 5.7 5.1 5.0 5.0 5.6 6.1 8.6 8.5
 60 31 19 16 14 6 6 13 16 24 60

Sta	+	π	-	Elev
		909.48		

35 +80

904.9. ✓

36

05.2. ✓

+16

05.4. ✓

+63

06.0. ✓

37.

06.4. ✓

B.M.

10.82

919.60

0.70

908.78

(908.81)

+27

06.7. ✓

+45

07.0. ✓

+81

07.3. ..

Lt.

E

Et.

^{06.1} ^{05.9} ^{03.0} ^{03.0} ^{04.2} ^{04.5} ^{04.7} ^{04.5} ^{04.8} ^{04.5} ^{04.0} ^{03.1} ^{04.7} ^{04.8}
 ✓ 34 34 36 65 65 53 50 48 46 47 50 55 62 64 48 47 ✓
 41 29 23 18 15 13 7 6 12 16 19 24 28 60

^{07.0} ^{07.8} ^{03.8} ^{03.6} ^{04.7} ^{04.8} ^{05.0} ^{05.2} ^{05.1} ^{04.7} ^{04.5} ^{03.4} ^{03.4} ^{01.8} ^{01.3}
 ✓ 25 17 57 60 48 47 45 43 44 48 50 61 61 17 22 ✓
 60 32 23 19 16 14 7 6 13 16 19 23 33 60

^{06.0} ^{07.0} ^{03.8} ^{03.8} ^{04.8} ^{05.0} ^{05.3} ^{05.4} ^{05.3} ^{05.1} ^{04.8} ^{03.7} ^{03.9} ^{08.1} ^{04.0}
 ✓ 35 25 57 57 47 45 42 41 42 45 47 58 57 14 15 ✓
 60 30 23 19 16 14 7 6 13 17 20 25 34 60

^{03.5} ^{04.2} ^{04.8} ^{04.2} ^{04.2} ^{05.2} ^{05.5} ^{05.9} ^{06.0} ^{05.9} ^{05.8} ^{05.6} ^{04.3} ^{04.5} ^{06.2} ^{07.0}
 ✓ 60 53 47 53 53 43 40 36 35 36 37 39 52 50 33 25 ✓
 60 37 25 23 19 16 14 6 6 14 16 21 25 29 60

^{03.5} ^{04.1} ^{04.7} ^{04.7} ^{05.5} ^{05.9} ^{06.3} ^{06.4} ^{06.2} ^{06.2} ^{06.4} ^{04.8} ^{05.0} ^{07.6} ^{08.0} ^{8.5}
 ✓ 60 54 48 48 40 36 32 31 33 33 37 47 45 19 15 10 ✓
 60 35 26 20 17 14 7 8 14 17 20 24 29 41 60.
 Spk. in 18" D. 49. RA 54. 36 193

^{04.2} ^{04.4} ^{05.5} ^{04.9} ^{04.9} ^{06.3} ^{06.6} ^{06.7} ^{06.6} ^{06.3} ^{05.9} ^{04.4} ^{05.6} ^{04.9} ^{04.9}
 ✓ 154 142 139 147 147 133 130 129 130 133 137 142 141 100 97 ✓
 60 32 26 23 20 16 8 6 14 17 20 24 33 60

^{06.4} ^{06.4} ^{06.6} ^{05.4} ^{05.5} ^{06.3} ^{06.7} ^{07.0} ^{06.8} ^{06.5} ^{05.6} ^{05.5} ^{00.0} ^{00.4} ^{09.3}
 ✓ 140 132 131 142 141 133 129 126 128 131 140 141 96 92 103 ✓
 60 32 27 24 19 16 9 7 15 19 24 33 46 60

^{09.5} ^{09.4} ^{09.4} ^{05.8} ^{05.9} ^{06.7} ^{07.1} ^{07.6} ^{07.2} ^{07.0} ^{06.8} ^{05.8} ^{05.7} ^{07.4} ^{07.3}
 ✓ 101 102 102 132 137 129 125 123 124 126 128 138 139 117 124 ✓
 60 45 32 23 19 16 10 6 12 15 19 24 28 60

Sta	+	π	-	Elev.
		919.60		
38				907.5 ✓.
+30				07.7. ✓.
+63				07.8. ✓.
39				08.0. ✓.
+30				08.1. ✓.
+50				08.2. ✓.
+75				08.3. ✓.
40				08.4. ✓.
T.P.	524	913.62.	1122	908.38.

Lt.

E

Rt.

✓ 94.6 9.0 98.8 95.8 95.4 97.0 97.3 97.5 97.4 97.3 97.1 96.1 96.1 96.9 96.7
 100 106 110 138 138 126 12.3 12 11 22 123 125 135 135 127 129
 60 44 29 23 19 15 7 7 14 16 19 24 26 60 ✓

✓ 97.3 96.2 96.1 96.8 96.4 96.5 97.1 97.5 97.7 97.6 97.2 97.0 96.0 96.1 96.8 97.3 97.9
 12.3 134 135 138 137 131 125 121 119 120 124 126 136 135 128 123 104
 60 44 30 26 19 17 15 7 6 14 16 20 24 26 39 60.

✓ 97.0 96.8 97.0 97.3 96.3 96.2 97.0 97.3 97.8 97.7 97.4 97.2 96.6 96.8 97.0 96.2 96.2
 12.6 128 126 123 133 134 126 123 120 118 119 122 124 130 128 66 44 34
 60 40 30 26 24 19 16 14 8 7 14 17 19 25 38 67 100

✓ 93.6 93.4 93.4 98.8 97.3 96.8 96.7 97.3 97.8 98.0 97.8 97.5 97.3 96.9 97.3 98.4 98.4 97.4
 60 62 62 10.8 123 128 129 123 118 116 118 121 123 127 123 112 12 14 2.2
 0 63 40 30 26 23 20 16 8 7 13 15 18 22 29 49 72 100

✓ 96.4 96.3 9.0 96.6 97.3 97.0 97.0 97.4 98.0 98.1 97.7 97.7 97.0 97.8 96.1 97.0 96.8 94.7
 32 23 19 51 110 123 126 126 122 116 115 117 121 124 118 95 26 28 49
 00 87 53 46 33 23 21 17 15 7 9 16 18 27 33 46 69 100 ✓

✓ 97.4 96.3 96.1 96.5 96.1 96.5 97.1 97.4 97.9 98.2 97.7 97.7 97.7 97.0 96.5 93.6 93.3 91.8
 2.2 13 15 41 105 121 125 122 11.7 11.4 117 119 123 127 111 60 66 78
 100 88 50 46 31 24 20 16 9 9 14 17 19 29 40 60 88 ✓

✓ 96.5 97.1 96.6 97.2 97.9 97.6 97.1 97.4 98.1 98.6 98.0 97.1 97.1 96.4 96.5 98.8
 21 19 40 74 97 118 125 122 11.5 113 116 119 125 132 131 108 10
 00 78 42 37 30 26 20 16 7 9 15 18 20 25 29 60 ✓

✓ 96.5 96.5 97.2 97.2 96.6 97.6 98.2 98.4 98.1 97.6 97.9 98.8 93.3
 31 41 74 124 130 120 114 112 115 120 149 148 163
 100 60 36 24 20 15 8 8 17 23 38 60 ✓

E 510.40

Sta.	+	π	-	Elev.
		913.62.		
40	+20			908.5. ✓.
	+50			08.7. ✓.
	+75			09.1. ✓.
41				09.4. ✓.
	+15			09.6. ✓.
	+27			09.9. ✓.
	+44			10.1. ✓.
T.P. Lt.		16.14		897.48.
T.P. Rt.		18.97		894.65.
T.P.		2.57		911.05.

7-16-45

53

11.

4

11.

✓ 13.0 14.2 11.5 9.6 1.1 1.5 1.6 1.3 1.5 1.9 1.8 1.4 1.0 0.9
106 04 21 40 72 72 61 58 53 51 57 58 112 126 127 ✓
82 60 44 32 24 20 16 14 7 13 16 30 45 60

✓ 06.6 06.8 05.0 05.4 07.9 06.6 04.7 08.1 08.1 02.7 01.3 01.1 01.9
20 78 53 78 72 57 50 49 55 55 109 123 125 127
60 41 32 28 19 16 7 12 17 28 34 42 60

✓ 05.5 05.2 06.5 06.5 02.2 02.8 04.1 06.4 04.1 02.3 01.8
81 84 81 71 54 48 45 50 52 95 113 118 ✓
60 46 29 21 15 7 12 17 27 37 60

02.6 04.2 04.8 07.6 07.2 02.9 04.3 04.4 06.9 08.7 05.3 02.1 01.5
00 44 38 60 64 47 52 42 47 49 83 115 121
60 37 30 25 20 15 6 12 17 25 40 60

✓ 04.4 11.6 07.6 07.4 08.9 04.2 04.5 04.6 04.2 04.1 05.2 02.3 01.5
42 20 60 62 47 44 41 40 44 45 84 115 121
60 34 24 19 15 13 7 11 17 24 39 60

✓ 10.4 11.1 10.9 07.3 07.3 08.3 09.7 09.9 09.4 09.2 03.8 01.4 01.1
32 25 27 63 63 48 39 37 42 44 95 114 119
60 43 31 23 19 13 6 12 17 28 38 60

✓ 06.4 02.5 06.5 06.6 04.3 04.6 10.1 09.5 09.2 03.6 01.3 01.9
5.2 51 71 70 43 40 35 41 44 103 123 118
60 48 30 23 16 14 12 17 29 38 60

2 5/10 42

Sta	+	π	-	Elev
T.P. Lt.	5.50	902.98.		897.48.
41	+60			(910.3) ✓..
	+83			(10.7) ✓..
42				(11.0) ✓..
	+17			(11.3) ✓..
	+40			(11.8) ✓..
	+70			(12.6) ✓..
43				(13.5) ✓..
	+32			(14.3) ✓..

Lt.

E

Rt.

Will use this plus **(7.3)**

✓

01.8 94.0
 LCTT side 95.7
(-7.7) 1.2 4.0 4.9 6.2 7.3 ✓
 31 40 50 78 100

03.0 92.3 93.3 95.5 96.5 97.9 98.9 11.2
(-9.0) 03 47 60 65 76 91 98
 29 38 50 60 63 94 125

47.8 46.7 46.5 45.2 0.3
(-8.3) 52 63 85 98 107
 41 50 80 100 125 ✓

01.2 98.6 97.6 93.4 02.9 01.7
(-8.8) 2.8 4.2 5.4 6.6 10.1 11.3 ✓
 97 44 50 63 95 125

01.1 97.6 97.0 95.0 92.4 01.3 90.8 91.2
(-9.6) 1.9 5.4 6.0 7.8 10.6 11.7 12.2 12.0
 36 45 50 60 84 100 125 150

98.0 96.0 92.7 90.1 99.8 99.2
(-10.5) 50 70 109 129 132 128
 43 50 70 100 125 150

96.0 94.4 93.2 93.2 98.9 98.1
(-11.3) 70 88 105 129 141 149 ✓
 50 55 76 95 125 150

Sta.	+	π	-	Elev.
		902.98.		
43	+65			(915.3) ✓..

44			X	(16.6) ✓..
----	--	--	---	------------

+95				(18.2) ✓
-----	--	--	--	----------

+75				(19.2) ✓
-----	--	--	--	----------

+90				(19.7) ✓
-----	--	--	--	----------

T.P.	12.23	915.19.	0.02	902.96.
------	-------	---------	------	---------

T.P.			414	911.05.
------	--	--	-----	---------

T.P. Rt	12.62	907.27.		899.65.
---------	-------	---------	--	---------

41	+60			(910.3) ✓
----	-----	--	--	-----------

+83				(10.7) ✓
-----	--	--	--	----------

42				(11.0) ✓
----	--	--	--	----------

Lt.

E

Rt.

Left side ✓
 96.4 94.4 92.4 90.3 88.4 86.4
 -123 66 86 101 127 146 160
 50 57 69 100 125 150

98.2 95.2 92.7 90.5 88.5 86.9
 -136 90 77 103 125 145 161 ✓
 50 58 76 100 125 150

99.9 96.8 95.4 93.4 91.7 89.7
 -15.2 31 62 76 96 113 133
 50 57 74 100 125 150
 4

90.6 98.8 97.9 97.9 97.3
 -16.2 24 42 51 51 57 ✓
 50 57 74 100 118

Will use this plus -16.7

2 sta. 42

96.5 95.0 Rt. side
 -3.0 65 80 59 62 ✓
 35 46 64 80

94.3 92.9 92.6 91.4
 -3.4 87 101 104 116 ✓
 40 49 70 100

92.8 91.1 90.5 89.2
 -3.7 102 119 125 133 ✓
 42 54 70 100

Sta + π - Elev.
907.27.

42. +17

911.3

✓

+90

11.8

✓

+70

12.6

✓

43

13.5

✓

+32

14.3

✓

+65

15.3

✓

44

16.6

✓

+45

18.2

✓

Lt.

E

Rt.

^{93.3}
^{96.7} ^{94.6} ^{93.7} ^{92.0} ^{91.8}
 (-4.0) 106 127 136 153 155
 43 56 70 100 125 ✓

^{92.8} ^{96.3} ^{94.0} ^{92.5} ^{90.3} ^{90.3}
 (-4.5) 110 133 148 170 170 ✓
 45 58 70 100 125

^{92.0} ^{96.0} ^{93.9} ^{92.6} ^{92.1} ^{92.4}
 (-5.3) 113 134 147 152 149 ✓
 48 56 70 100 125

^{96.1} ^{94.5} ^{93.3} ^{91.2} ^{90.7}
 (-6.2) 112 128 140 132 116
 48 55 70 104 125

^{98.0} ^{95.5} ^{94.7} ^{95.6}
 (-7.0) 93 118 126 117
 46 70 84 100 ✓

^{99.3} ^{98.1} ^{97.2} ^{96.1} ^{95.8} ^{93.3} ^{90.0}
 (-8.0) 92 101 112 115 100 8.3 ✓
 49 64 70 80 88 100

^{96.0} ^{91.3} ^{90.8} ^{90.5} ^{91.0} ^{92.2}
 (-9.3) 60 85 88 63 51
 45 63 70 84 100 ✓

^{96.4} ^{91.7} ^{91.1} ^{92.1} ^{90.0}
 (-10.9) 56 62 52 28 13
 49 61 70 85 100 ✓

Sta	+	π	-	Elev.	
		907.27			
44 +75				(19.2)	✓
T.P.	8.91	914.64	1.54	905.73	
T.P.	3.56	914.61	3.56	911.08	911.05
41 +60				910.3	✓
+83				10.7	✓
42				11.0	✓
+17				11.3	✓
+40				11.8	✓
+70				12.6	✓
T.P.	11.34	922.39	3.56	911.05	
43				13.5	✓

1-16-45

57

Lt

E

Rt

^{0.54}
^{0.56} ^{0.48} ^{0.42} ^{0.54} ^{0.73} ^{0.86}
 -11.9 1.7 2.5 3.1 1.4 0.0 7.3 4
 42 55 60 70 80 100

6 sta 42 N ^{0.36} ^{0.30} ^{0.96} ^{1.00} ^{0.91} ^{1.03} ^{1.03} ^{0.97} ^{0.98} ^{0.95}
 114 110 116 50 46 47 43 43 49 43 51 4
 ✓ 65 50 30 17 15 13 5 13 15 16

^{1.01} ^{1.04} ^{1.02} ^{1.06} ^{1.05} ^{1.06} ^{1.01} ^{1.03} ^{1.01}
 45 42 44 40 39 40 45 43 45 4
 ✓ 16 14 13 6 7 13 15 17

^{0.91} ^{1.05} ^{1.05} ^{1.10} ^{1.10} ^{1.09} ^{1.05} ^{1.06} ^{1.04}
 47 41 41 36 36 37 41 40 42 4
 ✓ 18 14 13 5 7 13 15 16

^{1.01} ^{1.05} ^{1.06} ^{1.13} ^{1.13} ^{1.08} ^{1.08} ^{1.05}
 45 41 40 33 33 33 38 38 41 4
 ✓ 17 15 13 4 6 14 15 17

^{1.04} ^{1.11} ^{1.10} ^{1.11} ^{1.18} ^{1.11} ^{1.13} ^{1.11} ^{1.03}
 37 35 36 29 28 29 33 32 33 4
 ✓ 17 15 14 5 6 13 14 16

^{1.14} ^{1.17} ^{1.18} ^{1.25} ^{1.26} ^{1.25} ^{1.20} ^{1.21} ^{1.19}
 32 29 28 21 20 21 26 25 27 4
 ✓ 17 15 13 5 6 13 15 17

6 sta 42

^{1.26} ^{1.20} ^{1.28} ^{1.35} ^{1.35} ^{1.34} ^{1.28} ^{1.28} ^{1.24}
 98 94 96 91 89 90 96 96 100 4
 ✓ 17 15 12 7 6 12 14 17

Sta	+	π	-	Elev
		922.39.		

43 132

914.3. ✓.

+65

15.3. ✓.

44

16.6. ✓.

+45

18.2. ✓.

+75

19.2. ✓.

+90

19.7. ✓.

45

20.1. ✓.

B.M.	606	922.35.	110	921.29.	(921.30)
------	-----	---------	-----	---------	----------

+28

20.9. ✓.

1-17-45 25° Above
Snow, strong winds

58

Lt. E Rt.

13.4 13.8 15.4 14.4 14.3 14.3 13.8 13.1 13.4
✓ 190 86 86 82 81 81 86 87 90 ✓
19 15 13 6 6 12 15 17

13.7 14.8 14.7 15.1 15.3 15.2 14.7 14.8 14.8
✓ 87 76 77 73 71 72 77 76 76 ✓
19 15 12 7 6 13 15 16

15.5 16.2 16.0 16.3 16.5 16.5 16.1 16.5
✓ 69 62 64 59 58 59 64 61 59 ✓
19 15 14 6 6 14 15 18

16.9 17.8 17.1 17.1 17.2 18.1 17.1 17.9 17.8
✓ 55 46 47 43 42 43 47 45 46 ✓
19 15 14 6 5 13 14 16

17.3 18.7 18.7 18.2 18.2 19.1 18.7 19.0 18.8
✓ 51 37 37 32 32 33 37 34 36 ✓
20 15 14 6 6 13 14 16

03.6 03.0 05.1 09.0 19.4 19.1 19.7 19.7 19.6 19.3 19.5 19.4 07.4 06.7 08.9 13.1
✓ 188 194 193 34 31 33 27 27 28 31 29 30 150 157 135 93 ✓
100 53 44 18 15 13 6 5 13 15 17 40 59 75 100

08.8 09.0 07.3 15.4 19.1 19.4 19.3 20.0 22.1 22.0 19.6 19.9 17.5 08.8 08.6 09.7 12.4
✓ 136 134 151 90 33 30 31 24 23 24 28 25 27 74 136 138 26 95 ✓
10 50 44 28 17 15 14 5 6 12 15 17 23 37 39 45 70
Sph. in 15" 0. 42 ft. str. 45 ft 23

17.6 18.1 18.5 19.4 20.2 20.3 20.8 20.9 20.8 20.5 20.9 21.6 22.7 24.6
✓ 9.8 9.3 8.9 7.8 7.2 7.1 6.6 6.5 6.6 6.9 6.5 5.3 5.2 4.8 ✓
60 38 27 21 17 13 6 6 13 16 24 45 60

Sta	+	π	-	Elev
		927-35.		

45 +60

21.6. ✓.

46

22.2. ✓.

+50

22.3. /.

+64 FL. Culv. rt.

+67

22.1. ✓.

+88

21.8. ✓.

47

21.7. :

+02 FL. Culv. lt.

18-45
L.A.
C.F.
C.N.

lt

z

et

✓ 19.4 19.0 19.7 20.0 20.1 21.5
80 84 77 74 67 59
60 36 23 17 13 7

21.6 21.5 21.2 21.1 20.6 21.2 21.0 21.6
58 59 62 63 68 62 54 58
7 13 16 20 32 47 60

✓ 19.4 19.1 20.3 21.2 22.0 22.2
80 77 71 62 54 52
60 32 20 16 7

21.7 21.7 21.4 20.7 21.6 21.6
52 57 70 67 58 48
6 15 20 29 43 60

✓ 19.2 20.2 19.5 21.4 22.0
82 72 79 75 60 54
60 39 31 21 16 7

21.3 21.3 21.7 21.4 20.8 22.1
51 51 57 70 66 53
7 16 21 36 60

20.1 52.
73
40.

✓ 19.6 19.9 20.5 20.9 21.1 19.9 21.1
7.8 7.5 6.9 6.5 6.3 5.5 5.3
60 25 17 16 12 6

22.2 22.4 22.3
52 50 51 44
15 30 42 60

✓ 19.6 20.0 20.3 20.9 21.1 21.5
78 74 71 65 63 59
60 39 20 17 15 8

21.8 22.1 22.6
56 53 48
10 36

✓ 18.9 19.1 19.7 20.8 21.1 21.6 21.7
85 83 77 66 63 58 57
60 42 26 21 14 7

22.1 22.1 21.9
53 52 55
18 41 57

19.0
84
25.

Sta	+	π	-	Elev
		927.35.		
47	+1817	Profile of Road		921.5. ✓
	+1817			21.5. ✓.
	+35			20.9. ✓.
	+50			20.2. ✓.
	+76			19.2. ✓.
48				18.4. ✓.
	+20			17.8. ✓.
	+60			16.5. ✓.
49				15.1. ✓.

Lt.

E

Rt.

16.8 17.1 18.8 20.1 21.5 22.7 23.6 24.3 25.2
 ✓ 106 97 86 73 59 47 38 31 22
 200 150 100 50 50 100 150 200
 18.4 18.5 19.7 20.3 20.7 11.5 11.6 11.7 11.7 14.9
 90 89 77 71 67 59 58 57 57 125
 ✓ 60 53 39 35 25 10 27 34 60
 20.4 20.8 20.9 20.8 20.8 20.0
 ✓ 72 66 65 66 66 74
 41 14 14 20 23

14.6 20.0 20.2 20.2 20.1 20.3 19.9
 ✓ 78 74 72 72 73 71 75
 60 38 19 11 14 18

18.4 19.0 19.2 19.1
 ✓ 90 84 82 83
 60 44 19 14

19.2 18.9 19.2 18.8
 82 85 83 82 86
 10 13 14 18

18.3 18.4 18.4 18.2 18.4 18.1
 ✓ 91 89 90 90 92 90 93
 21 15 13 18 13 18

17.5 17.9 17.6 17.8 17.8 17.8 17.5
 ✓ 99 95 98 96 96 96 99
 18 14 13 13 15 18

16.8 16.4 16.6 16.3 16.3 16.5 16.7
 ✓ 116 110 109 111 109 111 109 112
 19 17 15 13 12 14 17

14.7 15.3 15.1 15.1 15.2 15.2 14.8
 ✓ 127 121 123 123 123 122 122 126
 18 14 13 10 13 14 17

Sta + π - Elev

927.35.

49 +50

913.8.

T.P. 3025 918.125. 12.25 915.10.

✓

47 +35

(20.9)

✓

47 +50

(20.2)

✓

+76

(19.2)

✓

48

(18.4)

✓

+20

(17.8)

✓

+60

(16.5)

✓

+75 F.L. Culv. It.

+80 F.L. Culv. It.

Lt.

E

Rt.

254.49

13.9 13.8 13.7 13.8 13.7 13.9 14.0 13.7 12.8
 141 136 137 136 137 135 134 137 146
 18 14 13 5 9 13 14 14 18

15.2 10.1 09.2 08.4 07.5
 -2.80 22 97 99
 57 57 100
 -2.1 12.8 15.8 15.1
 50 82 100

0 1.2 0.5 0.5 0.1 0.2
 -1.1 12.9 15.6 16.9 16.1
 44 55 71 100

12.2 11.5 12.5 17.5 0.2 0.5 0.1 0.2
 5.9 66 56 -0.3 152 174 169
 65 50 34 50.66 100

0.75 0.64 0.68 0.88
 106 117 123 93
 75 57 42 34
 17.8 0.34 0.24 0.3 0.10
 0.3 147 157 178 170
 44 53 72 100

99.5 0.01 0.08 0.13 0.31 16.5 0.37 0.14 0.14 0.33
 186 180 173 168 150
 100 82 60 50 40
 1.6 144 167 167 148
 41 34 88 100

FL 99.7

18.9

44

17.3
16.6
14.4

99.7

FL 36 CM

18.4

41

Sta	+	π	-	Elev	
				918.125.	
49				(915.1.)	✓
+50				(13.8.)	✓
50				13.0.	✓
+40				12.8.	✓
+70				12.8.	✓
51				13.0.	✓
+25				13.5.	✓
+65				14.2.	✓

It

£

Et

✓ 97.9 99.0 99.0 00.4 02.9
20.2 19 19 177 152
100 77 60 45 39

21.1
+ (3.0)

03.6 01.8 01.8 02.7 96.3
145 143 163 154 118
39 46 52 79 100

98.9 99.8 00.8 03.0 22.4 03.8 03.0 03.1 04.0 08.8
✓ 19.2 18.3 17.3 15.1 4.3 14.3 15.1 15.0 14.1 9.3
100 60 48 36 35 42 45 58 100

0.9 1.7 0.8 04.3
0 ✓ 0 0 0
12 164 163 138
0 67 48 32

12.8 13.3 12.9 13.0 12.1 13.1 12.7 13.2 12.2 12.2 12.6 12.0
✓ 5.3 48 52 51 52 48 50 54 116 127 139 139 135 131
16 13 12 11 13 14 16 29 33 37 42 44 70

0.16 0.2 0.0 05.3
5 146 141 128
3 58 48 31

12.1 12.6 12.5 12.8 12.7 12.8 12.6 06.4 05.6 04.4
✓ 60 55 56 53 54 63 55 117 125 137
18 14 13 13 14 16 28 34 50-60

5.8 6.7 7.3 8.1 12.0 12.6 12.4 12.6
✓ 123 119 108 100 61 55 57 55
60 50 39 29 20 16 12 6

12.4 12.5 12.6 12.7 12.7 12.6 12.4
5.3 56 59 56 109 125 137
12 14 17 28 56 72

08.3 10.1 09.1 09.6 12.8 12.7 13.0 12.8 12.9 10.3 08.7 12.8 10.1 05.6
✓ 96 80 87 85 53 54 51 53 52 76 94 103 120 125
50 30 27 25 17 13 13 17 32 40 50 58 63

11.3 12.0 12.1 11.6 11.4 12.7 13.2
X 68 61 60 65 67 54 49
50 32 24 22 20 17 10

13.5 13.1 12.6 11.8 11.4 10.4 09.1 06.4 05.1 06.9
46 50 55 63 67 77 84 117 130
12 14 19 33 37 53 69 81

14.7 14.4 14.3 12.9 13.8 13.8 12.7 12.0 12.7 12.1 11.6 11.1 10.1 08.9 10.1 10.6
✓ 34 37 48 52 47 43 39 41 44 60 54 65 70 80 92 107 122
50 32 24 20 17 15 7 14 19 31 35 50 53 75 93 100

point in draw

Sta	+	π	-	Elev
		918.125.		
52				915.2. ✓.

	+50			16.8. ✓.
T.P.	8.24	924.645.	1.82	916.305.

53				18.9. ✓.
----	--	--	--	----------

	+40			20.8. ✓.
--	-----	--	--	----------

	+57			21.6. ✓.
--	-----	--	--	----------

54				(23.8) ✓
----	--	--	--	----------

	+38			(25.8) ✓
--	-----	--	--	----------

T.P.	10.47	934.335.	0.68	923.865.
------	-------	----------	------	----------

54				23.8. ✓.
----	--	--	--	----------

LT

E

RT

✓ 15.6 14.6 13.8 14.0 14.9 15.2
25 35 43 41 32 29
50 26 23 19 16 9

15.2 15.0 14.6 13.3 13.1 12.6 12.7 7.5 7.2 6.6
29 31 35 48 50 55 54 106 107 115
8 15 19 29 35 48 68 84 89

✓ 17.2 16.5 14.8 14.7 16.6 16.9 16.8 16.7 16.7 15.9 14.1 12.6 9.3 8.4 8.5 8.6
09 16 35 34 15 12 13 14 16 28 40 55 88 97 96 117
50 26 23 20 15 9 9 15 19 24 41 51 71 90 91

✓ 19.9 19.4 16.4 17.0 16.0 18.9 19.0 19.0 18.7 18.3 17.9 14.4 14.6 11.7 10.4 9.4
47 52 82 76 46 57 56 56 59 63 87 102 100 129 142 155
50 29 23 21 20 16 8 9 15 24 31 45 70 91 92

✓ 22.0 21.1 20.6 18.4 18.4 20.5 20.9 20.9 20.6 20.4 19.5 19.3 18.8 17.0 11.4 9.3
26 35 40 42 42 41 37 37 40 42 51 53 58 76 132 153
50 35 26 23 20 16 8 8 15 19 23 38 52 64 84

✓ 23.3 21.9 20.6 18.7 19.1 21.5 21.6 21.7 21.4 21.5 20.3 19.9 19.2 11.1
13 27 40 59 55 31 30 29 32 31 43 47 51 135
50 27 24 24 21 16 9 9 15 19 26 31 49

+ 0.7

- 1.3

18.6 14.6 13.0 11.5
60 100 116 131
57 46 57 64

16.3 14.2 13.1
83 104 115
49 60 77

8 54 54
✓ 8.8 101 118 121 129 132 112 109 106 105 104 109 129 130 136
50 29 24 21 21 17 17 16 8 6 16 20 29 32

Sta.	+	π	-	Elev
		934.335.		
54 +28				25.8. ✓
+65				27.1. ✓
55				28.7. ✓
+26				29.9. ✓
+52 36" V. 58'				31.2. ✓
+68				32.0. ✓
+79				32.4. ✓
+87				32.8. ✓
B.M.	10.285	943.88.	0.74	933.595 (933.60)

1-19-45

64

14

2

14

29.5 27.5 25.6 24.3 23.6 23.5 24.4 24.8 25.4 25.8 25.8 25.6 25.3 23.9 23.1
 ✓ 48 68 87 100 107 108 99 95 89 85 85 87 90 104 112
 75 50 29 23 23 20 20 18 16 7 8 16 20 33

32.3 31.3 29.8 26.0 24.3 24.3 25.3 28.8 26.7 27.0 27.2 26.9 26.7 25.4 25.0 24.4 24.8 25.0
 10 30 45 83 100 100 90 85 76 73 72 74 76 89 93 102 195 193
 75 50 33 24 29 19 19 18 16 8 8 16 20 32 37 56 72

31.2 30.0 29.8 29.7 27.2 26.3 27.4 28.3 28.6 28.7 28.7 28.3 27.9 26.8 26.8 26.3
 130 113 105 06 71 80 69 60 57 56 56 60 64 77 85 175 190
 90 61 50 37 24 18 18 16 8 8 13 17 20 26 43 57

25.5 27.9 28.4 29.5 29.8 29.9 29.5 29.3 28.3 18.9 16.2 15.8 17.9
 58 64 59 48 45 44 44 52 60 154 181 185 124
 24 21 19 14 9 12 17 19 36 45 52 66

29.6 28.7 29.0 30.6 30.6 31.2 30.8 30.2 30.0 18.4 17.2 17.5 28.7 FL 13.9
 47 56 53 37 33 31 35 41 43 157 171 148 56 204
 24 23 17 17 10 12 18 19 41 58 58 77 59

31.1 29.6 29.6 31.4 31.8 32.0 31.7 31.0 30.4 34.9 23.2 30.2
 32 47 47 29 25 23 26 33 39 94 111 41
 25 23 19 15 8 13 23 29 47 58 76

35.0 32.3 32.1 30.2 32.3 32.3 32.4 32.1 31.5 29.9 27.4 30.2
 +0.7 20 22 41 21 20 19 22 28 44 69 41
 60 31 27 24 20 11 14 29 45 57 67

34.8 33.8 32.7 31.0 32.8 32.7 32.8 32.4 32.0 30.5 30.7 30.8
 105 05 16 33 15 16 15 19 23 38 36 35
 60 48 34 29 25 16 15 32 53 58 86

High pt on Mont. At Tenney's 8 bars above

Sta	+	π	-	Elev	
		943.88			
55 +26				29.9	✓
+52				31.2	✓
+68				32.0	✓
56 +067 = E Kennard				33.6	✓
+38				34.9	✓
+57				35.6	✓
57				37.2	✓
+50				39.3	✓

1-20-45
K.A.
C.F.
C.N.
L.H.

65

40.1 40.1 38.7 38.7 35.5
X 3.8 3.8 5.2 7.2 8.4 (14.0) X
100 88 69 50 39

43.2 40.0 44.4
X 0.7 0.9 2.5 5.1 5.8 (12.7) X
100 88 71 50 42

43.9 43.7 41.3 38.7 38.7
X 0.0 0.2 2.6 4.2 5.2 (11.9) 4
100 89 64 50 42

38.0 36.0 35.0 33.8 33.7 33.6 33.3 33.3 32.7 31.7 32.0 X
X 5.9 7.9 8.9 10.1 10.2 10.3 10.6 10.6 11.2 12.2 11.9
100 73 56 24 9 9 16 32 56 75

36.6 35.2 34.8 32.3 32.3 33.1 34.1 34.8 34.9 34.7 34.8 33.8 32.5 31.4
X 7.5 8.6 9.1 11.6 11.6 10.8 9.4 9.1 9.0 9.2 9.5 10.1 10.4 10.2 X
60 44 27 22 20 17 15 8 11 24 39 49 61

33.8 32.1 32.3 35.1 35.6 35.6 35.5 35.0 34.6 34.0 33.9
X 10.1 11.7 10.6 8.8 8.3 8.3 8.4 8.9 9.3 9.4 9.9 10.0
23 21 20 17 8 10 24 41 54 67 73 X

35.7 34.7 36.0 37.1 37.9 36.5 36.5 36.6 37.3
X 8.2 9.2 7.9 6.8 6.7 7.0 7.4 7.4 7.9 7.9 16.6 X
24 22 20 15 12 24 37 47 56 73

37.6 37.6 37.9 37.9 37.9 37.9 38.6 38.1 37.6 37.6 30.2
X 6.5 6.5 6.0 4.7 4.6 4.7 5.3 5.8 6.3 6.3 13.7 X
24 22 19 15 14 25 35 37 42 68

Sta	+	π	-	Elev.
		943.88.		
58				41.0. ✓
+40				42.2. ✓
+62				42.8. ✓
T.P.	15.75	959.40.	0.23	943.65.
56 +57				(35.6) ✓
57				(37.2) ✓
+50				(39.3) ✓
58				(41.0) ✓
+40				(42.2) ✓

LH

F

RH

$\begin{matrix} 39.9 & 39.7 & 39.5 & 40.9 & 41.0 & 41.0 \\ \times & 40 & 47 & 44 & 30 & 29 & 29 & 34 & 33 & 38 & 40 & 18 & 64 & 65 \end{matrix}$

$\begin{matrix} 41.7 & 41.0 & 41.1 & 42.0 & 42.8 & 41.2 & 41.2 \\ \times & 22 & 29 & 28 & 19 & 17 & 21 & 27 & 27 \end{matrix}$

$\begin{matrix} 42.0 & 42.0 & 42.8 & 42.6 & 41.9 & 41.9 & 41.8 \\ \times & 19 & 19 & 11 & 11 & 18 & 16 & 20 & 21 \end{matrix}$

$\begin{matrix} 53.9 & 48.9 & 45.5 & 35.6 \end{matrix}$

$\begin{matrix} 55.9 & 50.5 & 48.6 & 45.8 & 37.2 \\ \times & 55 & 89 & 108 & 136 & (23.8) \end{matrix}$

$\begin{matrix} 53.9 & 50.9 & 48.7 & 46.3 & 39.3 \\ \times & 55 & 89 & 108 & 136 & (22.7) \end{matrix}$

$\begin{matrix} 53.9 & 49.6 & 48.0 & 47.1 & 41.0 \\ \times & 55 & 85 & 107 & 131 & (20.1) \end{matrix}$

$\begin{matrix} 53.9 & 49.6 & 48.0 & 47.1 & 41.0 \\ \times & 55 & 98 & 114 & 123 & (18.4) \end{matrix}$

$\begin{matrix} 47.3 & 46.5 & 45.9 & 42.4 & 46.6 & 46.9 & 46.3 & 46.6 \\ \times & 121 & 128 & 125 & (17.2) & 128 & 125 & 131 & 128 \end{matrix}$

Sta	+	π	-	Elev	
		959.40.			
58	+62			42.8	✓
59				44.0.	✓.
	+47			45.6.	✓.
	+67			46.3.	✓.
60				47.3.	✓.
	+40			48.4.	✓.
	+75			49.4.	✓.
T.P.	5.56	959.48.	5.48	953.92.	
61				50.0.	✓.

67

EF

47.8 50.8 50.9 47.8 47.7

✓

✓ 120 98 80 73 162 162 156 155 154 155 157 166 167 52 74 107
89 61 43 41 24 19 17 12 10 16 19 23 45 69 92 ✓

4

4

✓ 1.2	0.5	0.2	12.6	134	132	124	121	124	132	135	91	94
88	78	50	23	22	19	17	17	20	22	31	60	

X

4

54.0 54.0 49.0 44.3 49.8 49.9 50.0 49.6 48.7 48.1 49.9 44.3

55	55	105	102	97	96	95	99	108	108	96	102
65	34	23	20	16	9	16	19	22	25	60	

Sta	+	π	-	Elev
		959.48.		
61	+40			50.9. ✓.
	+55			51.2. ✓.
62				51.8. ✓.
	+20			52.0. ✓.
	+34			52.0. ✓.
+59.02	= E Flandrau St.			52.2. ✓.
	+75			52.2. ✓.
63				52.1. ✓.

23-45
K.A
C.F
G.N

68

4

2

4

54.9 54.9 51.1 50.5 50.8 50.8
X 52 52 84 90 87 87
60 35 27 22 20 17

10.9 50.5 49.6 49.6 50.3 49.8 48.5
86 90 99 100 92 97 110 X
16 19 22 24 38 60

58.9 57.6 55.6 51.3 51.1 51.1 51.1 51.2
X 06 19 40 82 84 84 84 83
75 60 44 27 23 20 17

50.8 50.0 50.0 50.0 50.0 50.0
87 95 93 86 90 101
16 19 23 25 34 60

54.8 54.1 55.6 54.8 51.6
X 07 13 39 67 79
75 58 39 30 16

51.8 51.4 50.8 50.7 50.7 51.9
77 81 87 88 71 76 X
17 18 22 27 60

57.7 57.0 57.8 57.4 51.8 57.0 51.8 51.9 50.8 50.7 50.8 50.2
X 18 25 67 71 77 75 77 80 87 88 78 72 X
75 52 31 26 19 8 17 18 22 27 60

53.3 52.4 51.9 51.9
X 62 71 76 76
60 33 28 12

52.0 51.5 50.7 50.7 50.7 51.9
75 80 88 88 68 71
17 20 22 27 60 X

54.4 53.4 52.7 52.4 52.2 52.0 51.0 51.0 51.0 50.8 50.8
X 51 61 68 71 73 75 81 85 82 57 63
100 66 35 15 10 18 20 23 29 50

52.7 52.4 52.6 52.4 52.4 51.9 51.7 51.3 51.5 50.8 50.8 50.6
X 68 71 69 71 73 76 78 82 80 57 57 59 X
60 39 20 8 11 19 20 23 29 49 60

54.3 56.7 55.7 52.4 52.4 52.4 52.4 51.8 51.5 51.3 50.6 50.6 50.4
X 12 28 43 70 72 73 74 77 80 72 79 55 50 57
75 55 39 25 21 12 11 19 21 24 29 38 60

Sta	+	π	-	Elev
		959.48.		
63	+20			52.0. ✓.
	+60			51.5. ✓.
	+70			51.4. ✓.
64				50.9. ✓.
	+50			49.8. ✓.
65				48.7. ✓.
I.P.	2.77	951.48.	10.77	948.71.
	+50			47.7. ✓.
66				46.8. ✓.

Lt.

E

Rt.

$\begin{matrix} 9.8 & 3.7 & 6 & & 0 & 0 & 2.0 & 1.4 & 5.9 & 2.7 & 5.3 & 1.2 & 5.3 & 8 \\ 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 \end{matrix}$
 103 12 38 6.9 6.4 7.5 7.9 7.5 8.1 8.6 8.3 5.8 5.3 5.0 5.7
 72 50 37 25 20 14 7.8 19 21 24 29 31 39 60

$\begin{matrix} 9.9 & 5.6 & 5.6 & 2.7 & 5.5 & 5.4 & 5.5 & 5.4 & 5.1 & 5.0 & 5.6 & 5.4 & 5.3 & 2.7 & 5.3 & 8 \\ 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 \end{matrix}$
 104 0.9 3.9 7.3 8.0 8.1 8.0 8.1 8.4 8.9 8.9 7.1 6.4 6.2 7.1
 68 51 38 26 18 10 7 17 19 21 23 30 38 60

$\begin{matrix} 9.5 & 5.4 & 5.4 & 5.3 & 5.1 & 5.1 & 5.1 & 5.4 & 5.0 & 5.0 & 5.0 & 5.2 & 5.0 & 5.8 & 2.7 & 5.3 & 8 \\ 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 \end{matrix}$
 100 1.3 5.2 8.2 8.4 8.3 8.1 8.1 8.7 9.3 9.2 7.1 6.5 6.7 7.4 4
 65 38 31 24 20 15 7 17 19 21 29 31 38 60

$\begin{matrix} 5.8 & 5.3 & 5.4 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 \\ 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 \end{matrix}$
 17 32.4 1.9 4.9 8.9 8.7 8.6 9.1 9.5 9.5 8.0 7.4 7.7 9.1
 68 48 35 24 19 17 8 17 19 21 27 30 42 60

$\begin{matrix} 5.4 & 5.3 & 5.4 & 5.1 & 5.0 & 5.1 & 5.8 & 5.8 & 5.3 & 5.4 & 5.5 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 \\ 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 \end{matrix}$
 47 6.3 6.7 10.4 10.5 9.8 9.7 9.7 10.2 11.0 11.0 9.0 8.9 9.3 4
 70 51 33 24 19 17 6 17 19 23 27 42 60

$\begin{matrix} 5.2 & 5.5 & 5.9 & 5.9 & 5.6 & 5.7 & 5.5 & 5.4 & 5.8 & 5.6 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 & 5.0 \\ 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 \end{matrix}$
 70 80 116 11.6 11.0 10.8 11.0 11.1 11.7 11.9 10.5 10.6
 60 32 23 20 17 8 17 19 22 26 60

$\begin{matrix} 5.7 & 5.5 & 5.6 & 5.7 & 5.7 & 5.5 & 5.6 & 5.7 & 5.8 & 5.8 & 5.8 & 5.8 & 5.8 & 5.8 & 5.8 & 5.8 & 5.8 \\ 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 \end{matrix}$
 102 10 5.0 3.8 3.8 4.0 4.8 4.8 3.4 3.4
 60 32 23 20 17 17 19 23 27 60

$\begin{matrix} 5.8 & 5.5 & 5.6 & 5.4 & 5.5 & 5.5 & 5.8 & 5.6 & 5.5 & 5.5 & 5.3 & 5.7 & 5.7 & 5.7 & 5.7 & 5.7 & 5.7 \\ 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 & 5 \end{matrix}$
 10.7 1.0 5.4 6.1 5.0 4.7 4.9 6.0 6.0 4.2 4.3
 60 34 23 20 16 16 19 23 27 60

Sta.	+	π	-	Elev
		951.48.		
66	+50			45.8. ✓.
67				44.7. ✓.
+14 Cond. Exp. Ct.				
	+57			43.2. ✓.
	+68			43.1. ✓.
	+77			42.9. ✓.
	+86			42.6. ✓.
68				42.2. ✓.
B.M.	5.74	945.30	11.92	939.56 (939.56)

lt

E

lt

50.5 50.3 45.1 45.7 44.3 45.3 45.8 45.3 44.5 44.9 46.3 46.8 47.1
 10 12 56 68 72 62 57 62 70 66 52 47 49
 60 35 26 23 20 17 17 19 23 26 29 60
 50.0 50.0 44.0 43.7 43.8 44.4 44.7 44.5 43.7 43.9 46.0 47.4
 1.5 1.5 7.5 7.8 7.7 7.1 48 70 78 81 76 49 43
 60 38 23 20 18 16 16 20 23 24 31 60

44.86 46.78
 6.62 4.70
 24 60
 45.5 48.6 48.4 41.8 41.6 42.3 43.0 43.7 42.9 42.9 46.8 47.4
 6.0 2.9 3.1 9.7 9.7 9.2 8.5 8.3 8.6 9.2 9.6 4.7 4.1
 60 38 24 22 18 16 16 18 22 33 60

42.9 42.8 41.6 41.5 42.5 42.9 43.1 47.6 41.8 41.9 46.7 47.3
 86 87 99 100 90 86 84 89 97 96 48 42
 60 27 24 21 18 8 16 18 123 33 60

42.2 42.4 41.6 41.4 42.5 42.9 42.4 41.7 41.5 46.6 47.0
 9.9 9.1 9.9 10.1 9.0 86 91 98 100 49 45
 60 25 23 20 17 17 19 23 33 60

41.7 42.0 41.4 41.2 42.3 42.6 42.0 41.3 41.4 42.1 42.3
 98 95 101 103 92 89 95 102 101 98 92
 60 25 24 20 17 17 20 23 26 60

41.6 41.4 41.2 41.3 41.6 42.2 41.9 41.1 41.1 41.7 42.1
 9.9 10.1 10.3 10.2 9.9 93 96 104 104 98 94
 60 25 23 19 16 15 19 24 26 60

Sta	+	π	-	Elev
		945.30.		
68	+39			41.3, ✓:
	+39			41.3.
	+88			40.3, ✓:
	+92.6			40.2, ✓:
69	+01	Top M. H. Lt.		
	+07	Top M. H. Rt.		
	+12.36	Curb Rt.		39.6, ✓:
	+18.36	Edge Pav. Lt.		39.41, ✓:

Lt

E

Pt

$\checkmark$ 41.1 40.8 FL 40.1 41.1 41.3 41.2 40.8 40.6 40.9 41.1
 42 45 52 42 40 41 45 43 47 44 42
 30 23 21 19 9 18 19 24 26 60

$\checkmark$ 41.1 40.8 41.1 41.1 41.3
 42 45 42 42 40
 30 23 21 19

41.3 39.5 40.3 39.8 39.1 38.6 39.5 39.4
 40 58 50 55 59 67 58 59
 60 22 17 21 23 23 25 60

$\checkmark$ 41.3 39.4 40.2 39.7 39.78 39.4
 40 59 51 56 55 59
 60 22 12 16 60

40.2
 51
 21

$\checkmark$ 40.6 40.2
 47 51
 60 29

$\checkmark$ 40.6 40.2
 47 51
 60 29

39.6 39.6 39.0 38.6 38.4 39.0 39.0
 57 63 66 68 630 642
 24 364 60 364 60

$\checkmark$ 39.4 40.0 39.4 39.0 38.2
 58 52 58 62 69
 30 25 25 50

Sta.	+	π	-	Elev.	
		945-30.			
69	+30.36	Q Pav.		39.54.	✓:
	+42.36	Edge pav. Lt		39.39.	✓:
	+48.36	Curb Rt		39.6.	✓:
	+55	Top M.H. ^s			
	+69.2			40.1.	✓:
70				40.5.	✓:
	+15			40.5.	✓:
	+51			40.6.	✓:

40.67 40.17 39.54 40.74 38.97
 463 513 576 606 633
 50 25 25 50
 40.57 40.03 39.39 39.9 38.78
 478 527 591 621 652
 50 25 25 50
 40.4 40.0 39.6 39.2 38.75 38.41 38.15
 49 53 57 61 655 699 615 643
 50 25 19 366 60 366 60
 40.3 39.6 57 2
 50 37
 40.9 40.8 40.9 40.1 39.6 39.7 39.46
 44 45 53 52 57 61 584 65 69 74
 50 32 17 11 106 166 43 47 60
 40.8 40.8 40.3 40.7 40.5 40.1 39.5 39.8 36.1
 45 45 50 51 48 52 58 85 92
 50 34 25 14 15 28 41 60
 41.7 40.9 40.3 40.2 40.6 40.1 39.8 37.5 36.1 35.8
 41 47 50 51 48 52 55 78 92 95
 50 33 23 11 10 18 27 38 60
 41.3 40.7 39.8 40.6 40.2 39.9 37.7 37.6 37.0 36.3 35.2
 40 49 57 55 47 51 54 76 77 83 90 93
 50 34 25 19 10 17 26 43 47 60 31

Sta	+	π	-	Elev.
		945.30.		
71		X		41.0. ✓.
+50				42.3. ✓,
72				44.4. ✓.
I.P.	15.15	959.56.	0.89	944.41.
+50				46.8. ✓.
73				49.2. ✓.
+44				51.4. ✓.
+88				53.4. ✓,
74				54.0. ✓.

LT E RT

At 409 41.1 41.8 40.8 40.7 41.0 40.8 40.3 41.3 41.7 41.0 41.0
✓ 32 35 45 46 43 45 50 60 86 93 93 ✓
43 36 26 13 8 18 22 33 44 60

42.4 41.5 41.7 41.7 41.8 41.9 42.2 42.3 42.1 41.3 41.8 39.0 37.6 37.0
✓ 25 28 36 36 35 34 31 30 32 40 45 63 77 83 ✓
50 32 27 25 22 13 7 9 19 24 29 41 60

43.5 43.6 44.2 43.6 43.8 44.2 44.4 44.1 43.7 43.0 41.9 42.1 40.6 40.1
✓ 1.8 1.7 1.1 1.7 1.5 1.1 0.9 1.2 1.6 2.3 3.4 3.2 4.7 5.2 ✓
60 36 27 23 19 10 10 19 22 28 36 43 60

46.6 46.5 46.4 45.5 45.4 45.9 46.5 46.8 46.4 45.8 44.4 47.8
✓ 130 131 132 141 142 137 131 128 132 138 152 168 ✓
60 45 27 24 22 19 11 11 20 24 55

45.4 44.3 44.8 47.7 47.8 48.3 48.8 49.2 48.9 48.5 48.1 47.3 46.6 45.8 45.1
✓ 92 103 108 119 118 113 108 109 107 111 115 123 130 138 145 ✓
60 42 26 24 21 19 11 10 19 21 24 30 36 60

53.0 50.7 50.8 50.9 51.0 51.4 51.1 50.7 50.4 49.3 48.3 47.4
✓ 66 89 89 87 86 82 85 89 92 103 113 120 ✓
60 42 30 22 11 13 20 21 31 38 60

55.7 53.7 53.1 52.8 53.0 53.4 53.1 52.8 52.3 51.7 49.7
✓ 44 61 59 65 68 66 62 65 68 73 79 99 ✓
60 40 28 26 20 12 12 19 23 42 60

50.1 50.0 54.5 51.3 50.4 53.4 54.0 53.6 52.9 52.9 54.5 54.3 50.9
✓ 35 46 51 45 63 62 62 56 60 60 67 67 51 53 75 87 ✓
60 47 32 30 26 19 15 10 19 21 25 29 33 45 60

Sto + π - E/er

959.56.

74 +25

55.4. ✓.

T.P

16.64

976.16.

0.04

959.52

+60

57.5. ✓.

75

59.6. ✓.

+50

62.2. ✓.

76

64.7. ✓.

+20

65.6. ✓.

+60

67.5. ✓.

77

69.1. ✓.

1-24-45

74

K.F.

C.F.

C.N.

Lt.

E

Et.

58.0 57.7 57.1 57.6 54.4 53.9 54.9 55.1 55.1 55.7 54.9 54.7 54.0 54.0 54.9
✓ 1.6 24 25 20 52 57 47 45 42 44 47 54 56 1.6 27 6.2
60 46 35 32 25 20 19 11 12 19 22 26 33 37 60
8 51 9 75

61.0 60.0 59.8 59.5 59.1 58.9 57.0 57.5 57.0 56.1 55.3 55.4 54.3 57.0
✓ 152 162 164 203 211 193 192 187 192 195 209 208 149 192
60 46 33 25 22 19 12 12 17 22 26 35 60

55.6 56.9 56.9 56.7 56.8 59.1 59.6 59.4 58.9 58.7 57.4 57.1 56.6 57.7
✓ 107 136 143 193 190 174 171 166 169 173 175 188 188 119 140
75 47 34 25 22 21 19 12 9 19 21 23 25 37 60

68.1 65.9 65.1 60.7 60.5 61.5 61.6 62.1 61.8 61.6 61.2 60.4 60.7 60.4 60.6
✓ 81 103 111 155 157 147 146 140 144 146 150 158 155 98 106
75 48 34 25 21 18 13 9 19 21 23 26 37 60

70.2 68.1 67.7 67.1 67.1 67.1
✓ 59 75 127 133 121 118
75 37 25 22 19 10
115 118 123 122 134 135 77 91
11 19 20 23 25 36 60

70.2 69.1 69.0 69.0 67.7 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1
✓ 57 69 72 122 120 109 107 106 108 109 113 123 123 95 86 79 84
75 52 35 25 22 19 9 8 18 20 23 25 30 46 49 60

70.8 70.1 69.8 66.5 65.9 67.1 67.7 67.5 67.0 66.4 65.6 65.6 67.1 68.2 68.4
✓ 54 61 64 97 107 103 91 90 87 92 96 106 106 83 80 78
75 34 32 25 24 22 19 9 10 20 23 25 28 40 60

71.2 70.5 70.1 67.7 67.8 68.5 68.8 69.1 68.5 68.3 67.5 67.4 68.9
✓ 50 56 55 85 84 77 74 71
60 46 32 24 21 19 10
77 79 87 88 75 80
11 20 22 24 27 60

Sta.	+	π	-	Elev
		976.16		
77	+13			69.6. ✓
	+20			69.8. ✓
	+60			71.1. ✓
78				72.3. ✓
	+50			73.6. ✓
79				74.7. ✓
T.P.	11.10	985.725	1.535	974.625
	+40			75.2. ✓
	+70			75.8. ✓

Sta	+	π	-	Elev
		985725.		
80				76.2. ✓.
+23				76.6. ✓.
+56				77.4. ✓.
81				78.6. ✓.
+30				79.5. ✓.
+64				80.4. ✓.
82				81.4. ✓.
B.M.	13.20	99628.	2.645	983.08. (983.09)
+19				82.1. ✓.

4

8

24

72.9	72.9	71.8	71.9	75.1	75.5	75.9	76.2	76.2	75.8	75.0	75.1	75.8	76.7	76.9	76.2
139	134	106	102	98	95	95	99	107	106	99	70	64			
60	31	19	17	10		9	19	22	25	27	36	60			

72.9	73.2	75.9	76.2	76.6	76.6	76.3	75.9	75.6	75.6	76.5	76.9	76.0	76.0	76.0	76.0
128	125	98	95	91	91	94	98	101	101	12	58	57			
60	29	19	10	10	17	20	23	26	33	46	60				

74.1	74.5	75.4	76.8	77.2	77.4	77.4	77.1	76.8	76.1	76.2	76.2	76.2	76.2	76.2	76.2
116	112	109	89	85	83	83	86	89	96	95	73	49			
60	29	26	19	10		9	19	20	24	27	34	60			

77.0	76.5	76.6	77.9	78.3	78.4	78.5	78.1	77.8	76.1	76.3	76.7	77.4			
87	92	91	78	75	71	72	76	79	96	94	90	83			
60	36	28	19	11		10	17	20	28	34	45	60			

80.7	79.4	79.0	78.2	78.1	79.0	79.1	79.5	79.3	79.2	78.6	75.4	75.4	75.4	75.4	75.4
55	63	67	75	76	67	66	62	64	65	71	98	101	105	107	
60	46	32	24	22	20	10		8	15	20	29	34	44	60	

83.4	82.6	79.4	79.0	79.7	80.0	80.4	80.3	80.2	79.9	77.7	76.9	76.5			
23	31	63	67	60	67	53	54	55	58	80	88	92			
60	32	25	22	20	12		11	17	20	27	37	60			

83.8	83.9	84.1	82.4	80.8	80.5	81.0	81.1	81.4	81.0	81.1	80.4	80.3	81.9	81.2	80.3
19	18	16	33	49	52	47	46	43	47	46	53	54	38	45	54
60	42	32	23	25	22	19	12		10	19	21	25	29	42	60

Top Meat at Hotel & Lark Ave.

83.7	84.2	82.4	81.3	81.3	81.6	81.5	82.1	81.4	81.3	81.0	84.2	83.2			
126	121	139	150	150	147	148	142	149	150	153	121	131			
60	33	27	23	20	18	11		19	22	26	33	60			

Sta	+	π	-	Elev
		996.28		
82	+22			82.1. ✓
	+55			83.3. ✓
	+81			84.0. ✓
	+85			84.0. ✓
83				84.5. ✓
	+50			85.3. ✓
84				85.9. ✓
	+50			86.3. ✓

44.

2

Pt.

	48.2	87.1	81.9	81.7	81.9	83.1	83.4
x	Duplicate 419	142	144	146	144	132	131
			9	17	24	32	60

✓	86.8	86.5	87.3	87.3	87.8	82.9	83.3	82.8	83.2	83.8	83.6
	95	100	140	140	135	134	130	95	131	125	127
	60	35	25	21	18	10		13	19	50	100

55.9	56.6	57.0	53.0	52.9	53.6	53.6	54.0	53.6	53.5	53.3	54.4	54.3
✓ 109	97	93	133	134	127	127	123	127	129	130	119	120
60	36	34	75	21	19	12		8	18	21	33	60

		044	84.9	83.8	84.0	83.1	83.3	84.5	84.6
X	Duplicate +81		123	125	123	132	130	98	100
				8	19	22	26	33	60

85.8	84.7	83.5	83.2	84.1	84.1	84.5	84.0	83.9	83.1	83.2	86.1	86.6	86.4
105	96	128	131	122	122	118	123	124	132	131	102	97	99
60	33	25	22	18	12	11	19	22	25	32	35	60	

	83.8	84.3	84.8	84.1	84.7	84.9	85.3	85.1	84.6	83.7	83.6	84.5	85.0	
X	125	120	115	122	122	116	114	110	112	117	126	127	118	113
	60	38	25	24	21	20	12		14	19	22	24	27	60

84.1	83.9	84.3	85.0	85.4	85.6	85.9	85.9	85.3	83.6	83.5	83.5
✓ 122	124	120	113	109	107	104	104	110	127	128	128
60	29	23	19	17	8	10	20	27	42	60	✓

✓ 105	105	107	106	111	112	103	102	100	100	103	118	130	130	125
60	43	29	26	24	21	18	9		11	20	24	29	43	60
85.8	85.5	85.6	85.7	85.2	85.1	86.0	86.1	86.3	86.3	86.0	84.5	83.3	83.3	82.8

Sta	+	π	-	Elev
		996.28.		

85				86.9. ✓.
----	--	--	--	----------

+50				87.4. ✓.
-----	--	--	--	----------

86				87.8. ✓.
----	--	--	--	----------

T.P.	7.49	992.57.	11.15	985.13.
------	------	---------	-------	---------

+35				87.9. ✓.
-----	--	--	--	----------

+69				87.9. ✓.
-----	--	--	--	----------

87				87.6. ✓.
----	--	--	--	----------

+42				86.8. ✓.
-----	--	--	--	----------

+75				85.9. ✓.
-----	--	--	--	----------

24-45
K.H.
E.F.
C.N.

LT

2

RT

67.9	67.4	67.4	66.5	66.0	65.7	66.5	66.6	66.9	66.6	66.6	65.6	64.6	64.7	64.4
84	89	89	98	103	106	99	97	94	97	97	107	112	116	119
60	44	30	27	25	21	19	11	11	19	25	28	42	60	
90.7	90.6	90.4	87.1	86.3	86.2	86.8	86.5	87.4	87.2	86.9	86.1	86.2	85.9	85.0
56	57	59	72	100	101	95	93	89	91	94	102	101	104	113
60	47	33	27	24	21	19	11	11	19	24	26	35	50	60
93.7	92.7	92.4	87.2	86.7	87.3	87.5		87.8	87.4	87.2	86.7	86.8	85.9	85.4
31	36	39	91	96	90	88		85	89	91	96	99	95	104
75	57	36	26	23	18	11		11	19	22	26	29	45	60
85.4	88													
93.5	93.1	87.0	86.9	87.4	87.7	87.9	87.6	87.3	87.2	87.6	86.1			
109	105	56	57	52	49	47	50	53	54	50	65			
75	36	24	22	19	9	11	19	25	27	60				
93.3	92.4	91.5	87.2	86.9	87.4	87.6	87.9	87.5	87.3	86.8	86.9	86.4	86.2	
107	02	11	54	57	52	50	47	51	53	58	57	42	44	
75	36	34	27	22	20	11	10	10	22	25	28	60		
92.9	92.0	87.0	86.9	87.0	87.2	87.6	87.3	87.1	86.5	86.6	86.7	86.1		
103	06	56	59	56	54	50	53	55	61	60	39	45		
75	41	26	21	19	10	11	18	22	25	30	60			
92.6	91.9	91.6	86.0	85.9	86.4	86.5	86.8	86.6	86.5	85.6	85.8	86.1	87.7	
00	07	10	66	67	62	61	58	60	61	70	68	45	49	
75	40	31	25	21	18	10	12	19	21	25	29	60		
91.6	90.4	85.6	85.1	85.3	85.0	85.9	85.5	85.2	84.7	87.8	88.5			
10	22	70	75	73	71	67	71	74	79	43	41			
60	36	27	21	20	10	13	19	24	30	48				

Sta	+	π	-	Elev
		992.57.		
88				85.2. ✓.
+35				84.6. ✓.
+43				84.5. ✓.
T.P.	4.29	989.42.	7.44	985.13.
+76				84.1. ✓.
89				83.8. ✓.
+09				83.7. ✓.
+92				83.6. ✓.
+76				83.7. ✓.

1-25-45
K.H.
C.F.
C.N.

79

Lt

2

Rt

89.9 88.8 85.1 84.4 84.4 84.9 85.2 84.7 84.5 83.9 87.9 88.4

27 38 75 82 82 77 77 74 79 81 87 47 42
60 35 27 24 22 18 11 12 19 24 31 50

89.5 86.1 83.4 83.8 84.4 84.4 84.6 84.3 83.1 84.2 85.1

31 45 92 88 82 82 80 89 95 84 75
60 36 24 22 18 11 18 24 26 54

86.0 84.5 84.2 84.5 84.1 83.9 83.6 83.1 82.9

6.6 8.1 8.4 8.1 8.5 8.7 9.0 9.5 9.7
60 25 18 9 18 19 26 53

84.5 83.9 83.9 84.0 84.1 83.7 82.9 82.7 81.1 77.8 75.4 75.0

4.9 5.5 5.5 5.4 5.3 5.7 6.5 6.7 8.3 11.6 14.0 14.4
60 27 17 10 11 18 20 24 38 51 60 4

At barn 81.1 80.5 80.5 79.8 81.0 81.8 83.3 83.7 83.8 83.1 82.7 81.0 80.0 78.4 74.5 73.8

83 88 89 96 84 76 61 57 56 63 67 73 84 94 110 149 156
53 40 34 32 31 29 23 18 15 13 17 21 25 26 36 52 60

77.9 79.7 78.7 79.5 82.3 83.6 83.6 83.7 83.0 87.1 80.4 78.1 75.5 72.9

115 102 107 99 71 58 58 57 64 73 90 113 139 155
53 39 36 35 35 21 16 11 12 20 27 36 47 60

76.6 75.6 75.0 76.5 76.5 76.5 76.5 76.5 76.5 76.5 76.5 76.5 76.5 76.5 76.5 76.5

12.8 135 141 144 125 109 63 58 58 61 73 99 134 144 150 158
60 49 47 42 40 34 17 11 9 19 30 46 50 60 52

76.5 76.7 80.0 82.5 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6

129 127 94 69 60 57 61 72 112 141 149
60 46 31 20 14 9 20 35 50 60

Sta + π - Elev.
989.42.

90 83.8. ✓.

+30 84.0. ✓.

+58 84.2. ✓.

91 84.8. ✓.

+42 85.4. ✓.

+61 85.7. ✓.

+67 85.8. ✓.

92 86.7. ✓.

1.										2	Rt.									
76.4	76.4	76.9	78.2	80.6	83.5	83.7	83.8	83.6	82.8	80.6	77.8	77.0	76.7							
130	130	125	112	88	59	57	56	58	66	88	116	124	127							
60	49	42	38	27	15	8	9	19	28	39	53	60								
76.8	76.8	79.7	82.7	83.5	83.8	84.0	83.8	83.3	81.6	81.4	81.6	81.0								
126	126	97	67	59	56	54	56	61	78	80	78	84								
60	46	31	19	15	8		9	17	24	32	42	60								
77.7	77.7	78.4	79.4	83.2	83.8	84.0	84.2	84.0	83.2	82.7	82.7	84.6								
117	117	110	100	62	56	59	52	54	62	67	67	48	55							
60	52	44	36	19	15	9	11	20	23	25	29	60								
65.2	65.7	85.2	83.6	83.0	83.8	84.7	84.6	84.8	84.5	84.1	83.5	83.6	84.6							
42	37	42	58	64	54	47	48	46	49	53	59	58	48	44	52	49				
50	43	29	25	25	23	22	17	11	11	18	22	25	27	29	33	60				
86.8	86.7	87.7	87.8	84.8	84.7	85.1	85.0	85.1	84.9	84.8	83.7	82.9								
26	25	17	21	46	47	43	44	40	45	51	57	65								
52	45	37	33	29	20	16	9	10	20	29	60									
88.4	88.7	89.2	88.6	85.1	84.9	85.5	85.5	85.7	85.3	84.8	83.9	82.6								
10	07	02	08	43	45	39	39	37	41	46	55	68								
70	49	41	33	26	20	17	10		11	20	26	60								
90.8	89.8	89.8	89.2	85.1	84.9	85.5	85.6	85.8	85.4	85.1	84.8	86.2								
14	104	104	02	43	45	39	38	36	40	43	46	52								
70	50	45	33	26	20	17	10		11	20	27	60								
92.3	92.1	91.6	85.7	85.4	85.4	86.3	86.3	86.7	86.3	86.1	85.4	85.1	85.1							
129	127	122	37	40	40	31	31	27	31	33	40	43	43							
70	40	35	27	24	22	18	10	11	18	21	36	60								

Sta	+	π	-	Elev.
		989.42.		
92 +36				988.0. ✓.
+45				88.3. ✓.
T.P.	12.30	1000.215.	1.505	989.915.
B.M.	2.46	100223.	0.445	999.77. (999.79)
+72				989.3. ✓.
73				90.4. ✓.
+41				91.8. ✓.
+62				92.3. ✓.
94				94.0. ✓.
+19				94.9. ✓.

1-25-45
K.H.
C.F.
C.N.

81

Lt.

E

Rt.

91.7	93.7	93.7	93.7	88.0	87.3	87.1	87.9	87.6	88.0	87.6	85.6	85.9	85.3
123	143	143	137	142	23	15	19	14	1.8	18	28	35	41
70	56	41	36	27	25	22	18	12	11	19	26	37	60
91.7	93.7	93.7	93.1	87.3	87.1	88.0	87.9	88.3	87.9	89.7	86.4	84.8	83.6
123	143	143	137	21	23	14	15	11	15	17	30	46	58
70	56	41	36	25	22	18	12		11	19	26	37	60
92.3	92.7	93.7	93.6	88.6	88.9	89.0	89.2	89.3	88.9	88.7	88.0	88.2	88.5
99	95	85	86	136	133	132	130	129	133	135	142	142	140
70	80	40	37	26	18	17	9		12	20	28	24	26
91.7	93.0	93.5	89.6	89.4	90.2	90.1	90.4	90.1	89.8	89.4	88.9	89.7	85.7
105	92	87	126	128	120	121	118	121	124	128	133	125	125
70	48	35	26	22	17	11			12	16	20	23	26
88.8	88.7	89.2	90.3	90.3	91.4	91.4	91.8	91.5	90.9	90.0	91.1	90.5	86.7
134	135	130	119	117	108	108	104	107	113	122	111	117	155
60	48	29	24	22	16	10		15	20	23	25	27	60
88.8	88.8	89.1	90.5	91.5	92.0	91.9	92.3	92.3	91.8	91.2	91.1	91.6	88.0
134	134	131	117	107	102	103	99	99	104	110	111	106	117
60	42	29	24	19	16	10			13	19	22	24	31
90.0	90.1	91.3	92.8	93.6	93.5	94.0	93.9	93.6	92.9	93.0	93.8	93.5	94.4
122	121	109	94	86	87	82	83	86	93	92	84	87	78
60	28	27	21	17	10		15	18	22	25	27	32	39
92.0	92.2	92.7	93.9	93.9	94.6	94.9	94.7	94.5	93.6	95.3	96.4	97.6	
102	100	95	83	83	76	76	73	75	77	86	69	58	46
60	42	36	27	22	17	10		13	19	24	25	30	41

Sta.	+	π	-	Elev.
		1002.23.		

94 +61

96.6. ✓.

B.M.

246 999.77.

Sta	+	π	-	Elev
B.M.	833	1000.10.		999.77 (999.79)

95				997.7. ✓.
----	--	--	--	-----------

+34				98.7. ✓.
-----	--	--	--	----------

+35				98.7. ✓.
-----	--	--	--	----------

+65.33 = E. R. 1/6 st				99.7. ✓.
-----------------------	--	--	--	----------

+93				1000.60. ✓.
-----	--	--	--	-------------

+94				00.6. ✓.
-----	--	--	--	----------

96				00.8. ✓.
----	--	--	--	----------

+21				01.3. ✓.
-----	--	--	--	----------

Lt

E

Rt.

Spt. 10 24" Cott. SW. Cor. Ruth & Leconte Ave.

X	64	74	72	120	116	108	107	104	107	108	120	103	102	102	X
	72	46	34	25	20	16	7		12	18	23	28	50	60	

X	42	56	65	64	105	98	97		94	96	98	111	97	85	X
	90	62	41	34	26	21	16	8		12	19	22	24	27	60

✓	Duplicate + 35								94	96	98	95	95	90	93	X
									12	18	19	24	28	60		

X	36	49	53	55	97	100	88	87	84	87	91	102	122	148	X
	75	59	45	34	26	21	17	8		25	54	100	150	200	

X	14	30	79	88	88	80	79		75	79	81	82	78	82	X
	75	38	26	24	21	18	8		11	19	25	45	60		

✓	Duplicate + 93								75	79	81	95	95	82	78	82	X
									11	19	21	24	25	45	60		

X	14	28	85	86	78	77	73		76	78	84	87	80	79	X
	70	37	25	20	18	8			11	18	20	23	26	60	

X	13	31	78	79	72	71		68	71	74	82	83	79	78	X
	70	36	25	20	18	8			12	19	21	24	26	60	

Sta + π - Elev.

1008.10.

96 +45

1001.7. ✓.

+90

02.6. ✓..

+97 - 2 ditch H

97

X

02.8. ✓..

+90

03.5. ✓..

+90

04.4. ✓.

98

04.9. ✓.

+15

05.1. ✓.

Lt.

E

Et.

$\times$ 0A.7 03.9 02.8 00.5 00.5 01.9 01.6 01.7
 34 42 53 76 76 62 65 64
 70 50 30 25 22 17 8

01A 01.1 00.3 00.3 00.1
 67 70 78 78 81
 12 19 21 27 60 $\times$

$\times$ 0A.8 0A.9 0A.0 01.9 02.7 02.5 02.6 02.7 02.0 01.0 00.5 00.0
 33 32 41 62 59 56 55 59 61 71 76 81
 60 55 31 25 16 8 12 20 24 41 60 $\times$

03.0 03.0 02.9 02.2
 51 51 52 59
 150 100 53 25

$\times$ 0A.2 03.3 02.7 02.3 02.6 02.7 02.8 02A 02.2 01.2 00.7 $\times$
 39 48 54 58 55 54 53 57 59 69 74 80
 60 33 27 21 16 8 11 19 24 38 60

$\times$ 0A.5 03.7 02.9 03.2 03.2
 36 44 52 49 49
 60 34 22 16 9

03.5 03.2 02.6 01.6
 46 49 55 65 $\times$
 11 24 60

$\times$ 0A.4 0A.5 0A.1 03.4 0A.0 0A.1 0A.4 0A.2 0A.1 03.3 02.2 00.2 08.4 $\times$ 73
 37 36 40 47 41 40 37 39 40 48 59 79 97 108
 60 50 25 22 15 10 10 15 20 38 49 58 70

$\times$ 0A.3 0A.7 0A.7 0A.1 0A.6 0A.7 0A.9 0A.7 0A.5 02.3 08.8 07.9
 38 34 34 40 35 34 32 34 36 58 93 102 $\times$
 60 44 26 23 13 8 10 17 29 44 60

$\times$ 03.6 0A.2 0A.5 03.9 0A.6 0A.9 05.1 0A.9 0A.4 01.5 09.3 08.2 07.5
 45 39 36 42 35 32 30 32 37 66 88 99 106
 60 51 27 23 16 9 14 18 29 38 46 60 $\times$

Sta	+	π	-	Elev
		1008.10		
98	+35			05.3. ✓
	+72			05.8. ✓
99				06.4. ✓
	+40			07.5. ✓
T.P.	1353	1021.61	0.02	1008.08
	+65			08.3. ✓
100				09.3. ✓
	+22			09.8. ✓
	+55			10.5. ✓

Lt

E

Rt

01.7 03.0 03.8 05.0 05.1
 X 54 51 43 31 30
 60 35 22 15 8

05.3 05.1 04.7 01.8 02.8 07.5
 28 30 34 63 93 106
 10 18 30 42 60 X

02.9 02.9 02.2 FL 24" CM
 X 52 52 59 67 37 28 25 23
 60 40 34 28 21 16 7

05.2 03.0 FL 24" CM
 29 51 90 92 99
 14 25 38 47 60

03.4 04.5 05.7 06.1
 X 47 36 24 20
 60 25 19 9

06.4 06.1 06.5 03.1 09.6 08.1
 17 20 26 50 85 100
 10 17 29 44 60 X

05.1 05.2 05.9 07.0 07.3 07.5
 X 30 29 22 11 08 06
 60 42 23 19 8

07.3 07.0 04.5 01.8 00.0
 08 11 36 63 81
 10 17 29 41 60 X

07.6 07.3 07.8 08.0 08.3 08.1 07.3 05.1 01.9
 X 140 143 138 136 133 135 143 165 197
 60 34 18 9 11 21 39 60 X

13.6 12.7 11.8 08.5 09.0 09.2
 X 80 89 98 131 126 124
 70 48 33 26 15 8

09.3 09.0 08.5 07.6 08.7 06.1
 123 126 131 140 129 155
 11 18 22 24 26 60 X

17.6 16.3 14.5 09.0 09.1 09.8 09.5 09.2 08.2 09.3 07.9
 X 40 53 71 126 119 118 121 124 134 123 137
 75 55 37 26 8 11 18 22 24 26 60

21.2 20.2 17.5 15.9 09.9 10.4 10.4
 X 04 14 41 57 117 112 112
 90 74 53 38 25 14 X

10.5 10.1 09.9 09.1 09.5 08.8 08.3
 111 115 117 125 121 128 133
 12 18 22 25 26 50 60 X

Sta	+	π	-	Elev	
		1021.61			
101				11.8.	✓.
+50				13.0.	✓.
+87				13.8.	✓.
T.P.	12.48	1027.12.	697	1014.64.	
102				14.0.	✓.
+25				14.4.	✓.
+65				14.9.	✓.
103				15.1.	✓.
+30				15.0.	✓.

Lt.

E

Rt.

23.0 21.4 17.7 16.3 11.2 11.6 12.3
 ✓ 114 02 39 53 104 100 98
 90 79 58 37 27 13

11.2 10.4 10.6 08.2
 104 112 110 134
 16 24 31 60

21.8 18.7 18.0 17.0 13.2 12.0 13.1 12.9 13.0 12.7 12.5 11.6 12.1 11.7 10.8
 ✓ 102 29 36 46 84 96 85 87 86 89 91 100 95 99 108
 90 62 47 34 26 24 21 6 12 17 24 27 40 60

20.4 18.2 15.4 13.6 13.1 14.1 13.8 13.8 13.4 12.7 13.6 14.8 14.6
 ✓ 12 34 62 80 85 75 78 78 82 89 90 68 70
 78 55 30 25 20 16 7 16 21 25 30 60

24.9 24.0 23.1 13.4 13.7 13.9 14.0 14.0 14.0 13.6 12.8 13.0 15.3 15.7
 ✓ 22 31 40 137 139 132 131 131 131 135 143 141 118 119
 75 53 43 25 20 17 7 3 16 22 26 30 60

14.3 14.3 14.4 13.6 14.4 14.4 14.1 14.2 14.6 15.2
 ✓ 11 23 127 135 128 127 127 130 129 125 113
 73 44 24 20 7 3 12 27 42 60

26.3 25.7 15.1 14.9 14.9 15.0 14.7 14.2 14.7 15.4 16.2
 ✓ 98 14 120 122 122 121 124 129 124 117 109
 70 44 25 7 4 13 22 29 45 60

27.5 26.5 26.0 14.5 14.8 15.0 15.1 15.1 14.8 14.6 15.6 16.9
 ✓ 104 06 11 126 123 121 120 120 123 125 115 102
 90 66 45 24 15 6 3 13 27 32 60

26.6 26.3 25.4 25.2 14.9 14.7 15.0 15.0 14.6 13.9 14.0 15.3 15.8 17.3
 ✓ 05 08 17 19 122 124 121 121 125 132 131 118 113 98
 90 77 51 43 26 15 3 19 22 26 31 48 60

Sta.	+	Δ	-	Elev
		1027.12		
103 +57				14.7. ✓.
104				14.0. ✓.
T.P.	2.24	1016.22	13.14	1013.98.
+26				13.4. ✓.
+55				12.8. ✓.
+89				12.1. ✓.
+105				11.9. ✓.
+15	Profile Beebe Rd.			11.5. ✓.
+33				11.0. ✓.
T.P.	2.70	1012.72	6.20	1010.02

Lt

E

Rt

24.8	23.9	23.0	22.5		14.4	13.9	14.4	14.7		14.7	14.2	13.3	11.7	11.4	14.2
X 23	32	41	46		127	132	127	124		124	129	138	154	157	129
90	67	42	40		26	19	7			3	20	27	41	48	60

20.4	18.5	17.1	17.4	12.9	13.1	13.5	14.0	14.0	13.5	12.0	10.7	13.6	
X 67	86	94	97	14.2	140	136	131	131	136	151	164	135	
90	60	36	33	26	19	13			3	22	32	46	60

15.7	14.8	12.4	12.4	13.2	13.2	13.4	13.4	13.0	12.9	10.6	09.4	09.8	11.7	
X 05	14	38	38	30	30	28	28	32	34	56	68	64	45	
60	30	25	20	17	8			3	13	21	34	41	50	60

12.3	11.6	11.0	12.7	12.4
X 39	46	52	40	38
60	39	22	19	8

12.8	12.7	12.3	11.6	07.7	07.3	10.2
34	35	39	46	85	89	40
4	13	21	39	50	75	

08.5	08.5	08.4	08.1	11.2	11.9	12.1	11.7	11.0	08.4	04.4	02.9	03.5
X 77	77	78	74	50	43	41	45	52	78	118	133	127
100	73	50	31	20	7		12	18	29	49	59	75

05.5	06.1	07.8	10.0	11.7
X 10.7	101	84	62	45
100	73	40	31	7

11.9	11.4	10.7	06.0	04.4	11.6	01.2	01.6
43	48	55	82	118	146	150	146
13	20	30	45	59	83	100	

07.0	07.1	08.4	10.8
X 92	91	73	54
150	100	50	21

11.5
47

03.6	03.8	04.7	06.5	10.2	10.8	11.0	10.6	10.0	07.6	03.8	01.9	00.4	00.6
X 126	124	120	97	60	54	52	56	62	86	124	143	158	156
100	75	44	33	20	7		13	19	27	40	50	72	100

Nail in G.P.

Sta.	+	-	Elev.
		1012.72	
105	+70		10.1. ✓
106			09.3. ✓
+16	X drain		08.8. ✓
+56			08.4. ✓
+81			08.4. ✓
T.P.		2.70	
+90			08.4. ✓
107			08.4. ✓
+06	F.L. 36" side drain		

Lt

E

Rt

02.8 02.3 01.8 02.4 06.0 09.1 09.9 10.1 10.1 09.7 09.0 05.0 07.1 00.6 00.4 00.5
 99 104 109 103 67 36 28 26 26 30 37 77 106 121 123 122
 100 82 60 45 30 20 7 5 13 18 33 45 54 79 100

02.7 02.0 01.5 01.8 04.0 08.3 09.0 09.3 09.3 08.7 07.5 03.5 01.6 00.8 00.5 00.5
 100 107 112 109 87 44 3.7 34 34 40 52 92 111 119 122 122
 100 74 63 45 35 20 7 5 15 23 36 47 55 72 100

FL 48" CM

03.1 01.4 01.2 00.5 09.6 03.9 07.9 08.6 08.8 08.7 07.9 01.9 09.8 00.3 00.3
 96 113 115 122 131 88 48 41 39 40 48 108 129 124 124
 100 69 48 46 39 34 18 9 12 20 42 50 69 100

02.3 01.7 01.1 01.4 00.1 01.4 01.7 04.0 08.0 08.0 08.4 08.4 08.0 06.0 03.9 01.2 00.1 00.6 04.8
 94 110 116 113 126 113 110 87 47 47 43 43 47 67 88 115 125 121 79
 100 78 61 50 49 48 45 33 17 7 6 17 24 31 45 70 100 115

02.0 00.7 09.9 00.9 01.0 01.9 04.6 07.5 07.9 08.4 01.5 08.2 01.8 06.5 01.9 00.8 01.6 06.3
 107 120 128 118 117 108 81 52 48 43 42 45 49 72 108 119 111 72 24
 100 71 69 67 50 38 29 17 7 5 13 20 30 44 55 63 76 86
 No. 11 in GP

01.8 01.0 00.1 01.0 01.2 04.5 07.9 07.9 08.4 08.5 08.2 07.6 07.0 06.1 06.3
 109 117 126 117 115 82 58 48 43 42 45 51 57 66 59 06.8
 100 80 78 76 54 41 22 8 4 14 22 25 64 71

01.4 00.9 00.1 01.5 01.1 04.1 05.2 07.3 07.9 08.4 08.5 08.3 07.5 07.1 06.8
 113 118 126 115 116 86 75 54 48 43 42 44 52 55
 100 86 84 81 68 59 44 17 7 5 13 24 52

99.9
 12.8
 84

Sta	+	π	-	Elev.
		1012.72		
107+20				08.4. ✓

+31 EL. 36" Side Drain

~~F20~~

+43.37				08.3. ✓
--------	--	--	--	---------

+43.37 (for profile of track only)				08.3.
------------------------------------	--	--	--	-------

+50				08.5. ✓
-----	--	--	--	---------

+65				09.8. ✓
-----	--	--	--	---------

+77				10.8. ✓
-----	--	--	--	---------

LH

E

RH

Top Ent.

Top Rail

04.4 04.5 03.9 02.5 04.4 01.6 08.3 08.1 08.4 08.5 08.3 07.8
 83 82 88 10.2 83 49 44 46 43 42 44 49
 100 70 58 54 35 17 14 7 5 15 30

00.3
12.4
78

00.9 02.6 05.1 07.1 08.4 08.3 08.3 08.3 07.8 10.8 10.5 07.8 06.5 07.1
 118 101 76 56 43 44 44 44 49 19 22 49 62 62 50
 100 62 39 25 17 9 12 25 39 44 53 66 79 100

East Rail

10.1 09.1 08.3 06.6 04.7 03.4 02.2 00.8
 26 36 44 61 80 93 105 119
 100 100 100 200 300 400 500

08.4 08.5 08.6 08.5 08.3 07.8 09.3 9.1 11.1 08.2 07.5 07.7 07.1
 43 42 41 42 44 49 34 18 16 45 52 60 50
 7 5 11 21 23 27 32 39 49 66 85 100

Top Rail

X

08.5 08.2 09.5 09.8 09.5 09.7 08.6 10.6 10.4 11.2 10.7 10.6
 42 45 32 29 32 30 41 21 23 15 20 21
 26 19 8 11 18 23 29 44 56 79 100

Top Rail

X

08.7 08.3 11.0 11.0 10.5 10.4 10.8 10.4 10.6 09.7 09.7 11.3 11.4 12.0 12.5 12.7
 40 44 17 17 22 23 19 23 21 30 30 14 13 07 02 00
 44 36 24 21 19 9 11 18 20 25 28 35 38 65 100

Sta.	+	π	-	Elev.
		1012.72.		
107	+88			11.6. ✓.
108				12.6. ✓.
T.P.	12.78	1025.39.	0.11	1012.61.
	+41			15.7. ✓.
	+56.58			16.8. ✓.
	+70			17.9. ✓.
	+84			18.8. ✓.
	+94			19.4. ✓.
109				19.8. ✓.

Lt

E

Rt

Top

FL 15" C.M

Rail

K.C. X D. 1000

✓ 088 061 072 033 114 11.9 11.4 11.3 11.6 11.2 11.3 10.2 10.0 12.0 12.5 13.1 13.6 13.4
 3.9 46 55 94 13 08 13 14 11 15 14 25 27 07 02 104 109 107
 59 52 46 43 27 28 19 9 11 17 21 24 28 35 38 63 100

Top

Rail

✓ 09.0 08.4 07.0 04.0 55 06.9 12.1 13.1 11.3 12.0 12.3 12.6 12.3 12.2 11.0 10.8 13.0 13.5 13.7 13.4
 37 43 57 87 72 58 05 104 14 07 04 01 04 05 17 19 103 108 110 110
 78 70 64 58 56 42 29 22 19 15 10 10 17 21 25 29 37 63 100

Top

Rail

✓ 13.9 13.9 13.4 16.1 16.1 14.6 16.1 16.1 15.0 15.4 14.4 14.4 16.2 16.1 14.7 14.1
 115 115 120 93 93 108 103 97 98 100 110 110 92 93 107 113
 100 70 47 31 21 19 16 11 16 19 25 29 37 70 100

Top

Rail

✓ 16.1 17.3 16.7 17.2 17.4 16.1 16.3 16.8 16.7 16.7 15.3 14.7 13.4 12.1
 9.3 81 87 82 80 93 91 86 87 87 101 107 120 133
 100 74 48 33 21 19 16 9 21 56 100 150 200

Top

Rail

✓ 19.8 20.5 20.8 20.6 18.4 18.2 17.3 17.3 17.9 17.4 17.6 17.9 18.6 17.6 15.8 15.8
 56 49 46 48 70 72 81 81 75 78 78 95 68 78 96 76
 90 67 58 40 31 20 19 15 10 20 23 30 56 86 100

Top

Rail

✓ 21.8 21.5 19.5 19.3 17.5 18.2 18.8 18.5 18.3 17.0 19.5 18.3 17.6
 36 35 59 61 79 72 66 69 71 84 59 71 73
 75 40 31 21 18 16 10 18 21-24 30 71 100

Top

Rail

✓ 22.6 22.5 20.1 19.7 18.4 18.7 18.4 18.3 18.7 22 24.8 23.7
 2.8 29 53 57 70 67 60 62 67 77 12 17
 60 41 31 21 18 17 10 19 22-24 49 90

Top

Rail

✓ 22.8 22.7 20.4 20.1 18.6 18.2 19.8 19.6 19.2 18.1 25.0 24.6
 26 27 50 53 68 62 56 58 62 73 04 08
 60 40 31 21 18 16 10 19 21-24 48 83

Sta	+	π	-	Elev
		1025.39.		
109+46				22.3. ✓.
110+70				23.5. ✓.
110				24.7. ✓.
T.P.	603	1030.73.	069	1024.70.
+44				25.9. ✓.
+88				26.7. ✓.
111				26.7. ✓.
+25				26.7. ✓.
+52				26.5. ✓.

lt e pt

23.6 23.6 22.9 22.1 21.1 21.8 22.3 22.2 22.0 20.7 23.3 26.4 26.3
X 1.8 18 25 27 37 36 31 32 32 47 21 410 409
60 33 29 20 18 14 9 18 22 26 32 44 84

24.1 24.1 24.1 23.6 23.4
X 1.3 13 13 13 20
60 36 21 19 11

23.5 23.4 23.2 22.0 22.0 25.8 27.1 26.9
19 20 22 34 34 404 417 415
9 18 22 24 39 64 80

31.1 31.1 30.7 30.5 29.8 29.8 30.0 29.8 29.5 29.1 29.2 31.9 33.3
X 404 404 00 02 09 09 07 09 12 20 15 41.2 42.6
60 34 30 22 18 9 10 17 22 26 37 46
E 5/9.110

26.5 26.5 25.8 25.8 25.9 25.8 25.5 24.8 24.5 27.0
X 4.0 4.2 42 49 49 48 49 52 59 58 37 4.0
33 23 18 9 10 17 22 26 36

27.2 27.1 26.4
X 4.0 35 36 43
33 23 9 40 42 45 52 53 27 27
11 18 21 26 35 60

26.9 27.6 27.4 26.8 26.5 26.7 26.5 26.2 25.4 25.5 28.1 28.0
X 38 31 33 39 42 40 4.2 4.5 53 52 26 27
60 30 22 18 9 11 17 22 34 49 60

25.9 27.0 26.3
X 40 37 44
60 28 7 40 41 44 56 56 48 26 25
12 18 23 31 38 49 60

24.2 23.5 24.1 20.4 26.1 26.8 26.2 26.1 26.5 26.4 26.0 25.0 25.0 25.9 27.8 26.1
X 6.5 7.2 106 103 40 39 45 46 42 43 47 57 57 48 29 26
100 87 73 60 32 21 18 8 12 18 23 30 38 51 60

Sta	+	π	-	Elev.
		1030.73		
112				25.9. ✓
B.M.			3.62	1027.11. (1027.12)
+50				25.3. ✓
113				24.8. ✓
+16				24.6. ✓
+31				24.5. ✓
+46				24.5. ✓
+59				24.4. ✓
114				24.5. ✓

LT

E

RT

$\checkmark$ 18.5 17.5 17.8 25.8 26.1 25.5 25.5 26.9 26.7 25.6 26.9 24.9 24.8 24.8
 122 132 129 49 46 52 52 48 50 51 58 58 29 29
 100 79 67 33 19 17 8 11 19 23 35 48 60
 Spk in 6" O. 45' Rt. Sta. 112+10

$\checkmark$ 13.0 14.5 15.8 24.9 25.4 24.6 24.9 25.3 25.2 24.2 24.0 25.7 28.7
 167 162 149 58 53 61 58 54 56 45 67 24 20
 100 85 72 33 21 17 8 17 21 32 49 75

$\checkmark$ 16.1 15.3 18.5 24.2 24.9 24.2 24.4 24.8 24.4 23.5 23.8 24.4 24.4
 146 144 122 65 58 65 63 59 63 72 69 23 23
 100 71 55 33 20 16 7 18 24 32 54 75

$\checkmark$ 17.5 17.8 24.0 24.9 24.1 24.2 24.6 24.3 23.8 24.4 24.5
 132 129 67 58 66 64 61 64 73 69 23 22
 100 63 33 20 17 7 18 24 33 55 75

$\checkmark$ 20.5 22.3 24.4 24.2 24.3 24.5 24.1 24.3 24.4 24.6
 102 84 63 65 64 62 66 74 74 23 21
 100 65 32 22 7 18 24 33 54 75

$\checkmark$ 20.7 22.3 24.1 24.0 24.5 24.1 23.1 24.1 24.2 24.6
 100 84 66 67 62 66 76 76 25 21
 92 64 34 17 19 24 32 55 75

$\checkmark$ 19.2 18.4 18.9 24.1 24.5 23.9 24.4 24.1 23.2 23.2 24.4
 115 123 118 66 62 68 63 66 75 75 25 23
 100 77 59 33 19 16 18 25 33 54 75

$\checkmark$ 20.8 21.3 24.8 24.9 23.8 24.5 Ent.
 99 94 59 58 69 62 64 71 33 28
 60 48 33 20 15 17 22 30 51 70

Sta	+	π	-	Elev
		1030.73.		
114+25				24.5. ✓.
+66				24.3. ✓.
+82				24.2. ✓.
115				24.2. ✓.
I.P.	5.15	1029.39.	6.49	1024.24.
+10				24.2. ✓.
+55				24.2. ✓.
+74				24.2. ✓.
+92				24.3. ✓.

Lt.

E

Lt.

✓ 22.3 22.1 25.0 25.2 22.9
84 76 57 55 68
60 43 33 22 15

24.5 24.2 23.4 23.3 28.1 28.1
62 65 73 74 26 20
16 23 34 55 75

✓ 21.8 22.2 22.6 24.9 24.0 27.4 22.9 24.3
8.9 85 61 58 77 73 68 64
60 46 33 21 17 14 8

24.1 22.9 22.2 28.1 24.1
66 78 75 26 16
17 23 34 56 75

✓ 21.6 22.7 22.4 22.1 24.0
91 80 83 76 67
60 36 32 19 8

24.2 24.0 22.2 23.3 24.0 24.1 28.6
65 67 75 74 67 26 21
17 22 32 39 56 75

✓ 18.7 19.5 20.2 21.1 22.0 22.6 22.9 22.6 21.7 22.2 22.1 24.3 26.7 22.2
107 99 92 83 74 68 65 68 77 72 67 51 27 22
200 150 100 72 34 8 18 22 32 37 44 57 75
Boat Spike & Howard

✓ 22.2 22.4 22.9 24.2 24.0 23.1 23.3 26.2 28.6
72 66 55 52 54 63 61 12 08
60 31 13 17 22 33 59 75

✓ 20.7 22.0 23.4 24.0 23.6
87 94 60 54 58
60 44 38 19 14

24.2 24.1 22.9 23.1 23.6 24.0 24.2
52 53 65 63 58 14 12
18 22 32 36 58 75

✓ 20.7 22.5 23.7 24.1 23.7 24.2
8.7 69 56 53 57 52
60 42 37 19 16

24.1 22.7 22.8 31.1
53 67 66 71.7
16 23 34 75

✓ 20.6 22.4 23.8 24.2 23.8
88 70 56 52 56
60 43 38 20 17

24.3 24.2 22.6 22.7 24.6 24.6
51 52 68 67 102 102
16 22 34 63 75

Sta + π - Elev

1029.39.

116

24.3. ✓.

+50

24.4. ✓.

+86 Conc. est. 1 ft

117

24.4. ✓.

+27

24.4. ✓.

+67

24.0. ✓.

+80

23.8. ✓.

118

23.6. ✓.

12-7-44

94

Lt

E

Rt

✓ 24.2 24.3 23.8 23.9 24.3
52 51 56 55 51
60 20 18 9

24.2 23.7 22.6 23.4 24.1
52 67 68 00 03
16 23 34 65 75 ✓

✓ 24.6 24.5 24.4 24.1
48 49 50 53
60 38 21 19

24.1 24.4 24.1 22.6 22.4 23.3 23.7 24.4
53 50 53 68 70 61 07 20
9 17 22 30 36 59 75

25.0 24.4
4.37 4.95
60 28.3

✓ 25.1 24.9 24.5 24.3 24.4
43 45 49 51 50
60 40 20 9

24.2 22.4 22.7 23.2 24.3
52 70 67 12 51
17 24 33 58 75 ✓

✓ 25.2 24.7 24.3 24.1
42 47 51 53
60 37 20 9

24.4 24.2 22.3 21.3 22.6 22.4 21.4 21.5 20.7
50 52 71 81 68 20 20 49 57
16 24 26 30 32 54 56 60 73

✓ 23.8 24.4 24.7 24.1 23.7 24.0 23.8 23.6 23.0 21.8 21.6 19.2 18.3 (K 5)
56 50 47 53 57 54 56 59 94 76 78 102 111 115 133
60 47 29 20 10 14 18 26 32 35 41 47 52 75

✓ 23.3 24.0 24.7 24.2 23.7 23.5
61 54 47 52 57 59
60 38 31 20 17 9

23.9 23.6 23.3 19.4 18.5 17.9 16.3 15.6
56 58 61 100 109 115 131 138
15 19 34 43 52 60 75

✓ 23.1 24.3 23.8 23.5 23.2 23.6 23.3 23.1 19.6 18.4 17.9 16.1 15.1
6.3 51 56 59 62 58 61 63 99 110 115 133 143
60 29 19 18 10 10 19 30 35 38 45 75

Sta. + π - Elev.

1029.39.

118 +28

23.2. ✓

+45

23.0. ✓

+70

22.8. ✓

119

22.5. ✓

+32

22.2. ✓

+58

22.0. ✓

120

21.8. ✓

+11

21.8. ✓

Lt.

E

Rt.

$\begin{matrix} 22.9 & 22.6 & 22.1 & 22.2 & 22.9 \\ 65 & 58 & 57 & 62 & 65 \\ 60 & 36 & 23 & 21 & 10 \end{matrix}$

$\begin{matrix} 22.2 & 22.8 & 22.9 & 22.4 \\ 62 & 66 & 65 & 70 \\ 11 & 15 & 19 \end{matrix}$

$\begin{matrix} 22.9 & 15.2 & 15.8 \\ 115 & 142 & 140 \\ 36 & 50 & 75 \end{matrix}$

$\begin{matrix} 15.2 & 16.1 & 22.5 & 22.1 & 22.0 & 22.8 & 22.0 \\ 142 & 133 & 59 & 57 & 64 & 66 & 64 \\ 100 & 65 & 33 & 22 & 17 & 10 \end{matrix}$

$\begin{matrix} 22.8 & 22.2 & 18.1 & 17.9 & 15.9 & 15.2 \\ 66 & 72 & 107 & 115 & 135 & 142 & 140 \\ 13 & 18 & 30 & 35 & 43 & 51 & 75 \end{matrix}$

$\begin{matrix} 15.1 & 15.5 & 16.1 & 22.2 & 22.3 & 22.6 & 22.5 \\ 143 & 139 & 128 & 62 & 61 & 68 & 69 \\ 100 & 77 & 62 & 32 & 21 & 18 & 9 \end{matrix}$

$\begin{matrix} 22.8 & 22.4 & 22.4 & 18.1 & 17.9 & 15.6 & 15.0 \\ 66 & 70 & 70 & 107 & 115 & 138 & 144 \\ 11 & 15 & 28 & 34 & 43 & 75 \end{matrix}$

$\begin{matrix} 15.2 & 16.1 & 17.2 & 22.0 & 22.8 & 22.9 & 22.1 & 22.1 & 22.5 \\ 142 & 133 & 122 & 74 & 66 & 65 & 73 & 73 & 69 \\ 100 & 71 & 59 & 38 & 29 & 21 & 18 & 10 \end{matrix}$

$\begin{matrix} 22.2 & 22.1 & 19.0 & 17.9 & 16.0 & 14.9 \\ 72 & 73 & 104 & 115 & 134 & 145 \\ 11 & 17 & 28 & 34 & 46 & 75 \end{matrix}$

$\begin{matrix} 15.5 & 16.1 & 17.3 & 21.1 & 22.5 & 21.7 & 21.9 \\ 139 & 127 & 121 & 83 & 69 & 77 & 76 \\ 100 & 76 & 60 & 39 & 22 & 18 & 9 \end{matrix}$

$\begin{matrix} 22.2 & 22.1 & 22.0 & 18.8 & 17.9 & 16.2 & 15.9 \\ 72 & 73 & 74 & 106 & 115 & 132 & 135 \\ 10 & 16 & 32 & 43 & 59 & 75 \end{matrix}$

$\begin{matrix} 15.8 & 16.6 & 17.6 & 21.0 & 21.6 & 22.3 & 21.5 & 21.6 & 22.0 \\ 136 & 128 & 118 & 84 & 78 & 71 & 79 & 78 & 74 \\ 100 & 87 & 58 & 39 & 28 & 21 & 18 & 9 \end{matrix}$

$\begin{matrix} 22.0 & 21.7 & 19.9 & 19.8 & 18.8 \\ 74 & 77 & 95 & 96 & 105 \\ 10 & 17 & 28 & 57 & 60 \end{matrix}$

$\begin{matrix} 15.7 & 17.9 & 21.0 & 22.1 & 22.1 & 21.6 & 21.5 & 21.8 & 21.6 & 21.5 & 19.1 & 19.0 \\ 137 & 116 & 84 & 73 & 73 & 78 & 79 & 76 & 78 & 79 & 103 & 104 \\ 100 & 55 & 38 & 27 & 22 & 18 & 8 & 11 & 17 & 27 & 60 \end{matrix}$

$\begin{matrix} 15.4 & 16.9 & 19.7 & 20.6 & 21.9 & 22.1 & 21.4 & 21.5 & 21.8 & 21.5 & 21.4 & 19.1 & 19.0 & 19.0 \\ 140 & 125 & 97 & 88 & 75 & 73 & 80 & 79 & 76 & 79 & 80 & 103 & 104 & 104 \\ 100 & 71 & 60 & 40 & 30 & 25 & 18 & 8 & 11 & 17 & 28 & 57 & 60 \end{matrix}$

Sta.	+	π	-	Elev.
		1029.39.		
120 +27				21.8. ✓.
B.M.	2.91	1025.72.	6.58	1022.81. (1022.81)
+58				21.6. ✓.
+84				21.4. ✓.
121				21.2. ✓.
+12				21.0. ✓.
+17				21.0. ✓.
+30				20.9. ✓.
+47.05				20.8. ✓.

Lt.

E

Rt.

$\checkmark$ 15.6 16.1 19.1 20.6 21.5 21.9 21.5
 139 133 97 88 79 75 79
 100 86 62 45 37 27 9

21.8 21.5 21.4 19.5 19.4
 76 79 80 99 10.0 $\checkmark$
 11 17 27 60

Top S.W. Cor Top Step, Ent to Store East Ave. & Loop Ave

$\checkmark$ 15.6 16.1 16.9 16.1 20.3 21.4 21.8 20.9 21.3 21.6 21.5 21.4 20.1 19.8 19.3
 102 87 98 96 54 43 43 48 44 41 42 43 54 59 64 $\checkmark$
 100 84 81 64 62 37 24 17 10 11 17 25 31 60

15.6 16.1 16.8 20.2 20.9 20.9 20.5 20.8 21.0 21.2 21.1 19.9 19.7 22.5 21.3 21.1
 101 91 89 55 48 48 52 49 43 45 46 58 60 32 44 46 $\checkmark$
 100 85 66 55 48 44 19 12 11 16 22 31 38 52 60

$\checkmark$ 15.6 16.1 17.3 16.9 20.5 20.8 20.3 20.4 21.0 21.2 21.1 19.8 19.9 23.0 21.5 21.8
 102 87 84 88 52 53 54 53 47 45 46 59 58 27 42 47 $\checkmark$
 100 78 67 61 53 40 25 18 9 15 22 31 39 52 60

$\checkmark$ 15.2 16.2 17.4 17.7 17.2 20.1 20.1 19.7 20.2 19.0 19.0 19.0 19.1 19.1 19.5 22.2 20.9
 105 95 83 80 85 56 56 60 53 47 47 47 46 61 62 30 53 $\checkmark$
 100 78 76 63 61 53 44 39 23 9 12 17 23 31 41 60

$\checkmark$ 15.4 16.1 19.2 18.6 17.3 18.4 19.0 18.9 19.0
 103 90 75 71 84 73 47 48 47
 100 77 75 61 59 52 32 14

19.0 19.0 19.7 19.8
 47 47 60 69 $\checkmark$
 17 24 60

$\checkmark$ 19.3 19.0 20.2 20.4
 74 67 55 49
 100 67 35 13

20.9 21 20.6 20.4
 48 47 51 53 $\checkmark$
 14 29 60

$\checkmark$ 19.4 20.0 20.6 20.8
 63 57 51 49
 100 50 15

21.1 21.1 21.1 $\checkmark$
 46 46 46
 14 50 100

Sta	+	π	-	Elev
		1025.72.		
121	+63			20.7. ✓.
	+75			20.5. ✓.
	+81			20.4. ✓.
	+99	F.L. 24" G.M. X Drain		
122				20.1. ✓.
	+27			20.1. ✓ ✓
	+46			20.3. ✓.
	+74			20.4. ✓ ✓

14

E

14

19.7 25.2 20.4
 X 7.0 6.5 5.3
 60 36 13

20.7 20.8 20.6 20.6
 50 49 51 51 X
 18 42 60

X 15.6 16.2 19.4 20.3 20.5 20.4 20.5 19.3 17.8 17.8
 10.1 9.5 4.3 5.4 5.2 5.3 5.2 6.4 7.9 7.9 X
 60 35 19 9 10 16 23 32 60

15.0 15.9 18.2 19.7 20.1
 X 10.7 9.8 7.5 6.0 5.6
 60 35 25 18 10

20.4 20.3 20.2 16.8 15.8
 53 54 55 89 99 X
 11 17 36 60

14.7
 11.0
 37

14.9
 10.8
 36

X 14.8 14.7 17.9 18.7 20.1 20.1 19.8 17.6 14.9 15.0 X
 10.9 11.0 7.8 6.0 5.6 5.6 5.9 8.1 10.8 10.7 10.5
 60 37 23 12 11 17 28 36 43 60

X 15.0 15.3 14.7 15.3 15.9 18.1 19.7 20.1 20.1 19.9 17.4 16.1 15.5 X
 10.7 10.4 11.0 10.4 9.8 7.6 6.0 5.6 5.6 5.8 8.3 9.6 10.2
 60 43 42 40 32 22 15 9 17 27 35 60

15.2 14.5 15.0 15.6 17.1 19.4 19.7 20.3
 X 10.5 11.2 10.7 10.1 8.6 6.3 6.0 5.4
 59 55 53 36 28 17 9

20.3 20.2 16.5 17.4 16.5
 54 55 72 83 9.2 X
 10 17 24 47 60

X 15.2 14.2 14.3 14.7 15.9 16.8 19.5 19.9
 10.5 11.5 11.4 11.0 9.8 8.9 6.2 5.8
 83 81 78 76 47 31 18 10

20.4 20.4 20.1 19.0 19.5
 53 53 56 67 6.2 X
 11 18 23 60

Sta	+	π	-	Elev
		1025.72.		
123		✓		20.6. ✓.
+50				21.0. ✓.
T.P.	7.35	1028.64.	443.	1021.29.
+80				21.1. ✓.
124				21.2. ✓.
+40				21.6. ✓.
+70				22.1. ✓.
125				22.7. ✓.
+31				23.4. ✓.

14.7 14.2 14.2 14.9 16.2 17.4 18.3 19.8 20.2 20.6
 11.0 11.5 11.5 10.8 9.5 8.3 7.9 5.9 5.5 5.1
 106 104 102 100 65 40 24 17 10

20.6 20.3 19.1
 51 54 66 66
 9 18 24 60

18.8 19.0 20.3 20.7 21.0 20.9 20.6 18.7 19.3 17.4 17.0
 69 67 54 50 47 48 51 70 74 83 87
 60 27 17 11 10 17 29 51 54 80

2124

18.3 18.7 19.0 20.4 20.9 21.1 20.9 20.6 16.9 15.5
 10.3 9.9 9.6 8.2 7.7 7.5 7.7 8.0 11.7 13.1
 60 41 27 19 10 9 17 34 60

17.8 18.5 19.1 19.0 20.2 21.0 21.1 21.2 21.0 20.6 18.9 16.9 14.5 14.1
 10.8 10.1 9.5 9.6 8.4 7.6 7.5 7.4 7.6 8.1 10.2 11.7 14.1 14.5
 60 48 36 30 20 14 9 11 18 26 32 42 60

16.9 17.8 19.6 21.0 21.4 21.6 21.4 20.9 18.9 16.9 14.6 13.1
 11.7 10.8 9.0 7.6 7.2 7.0 7.2 7.7 9.7 11.7 14.0 14.7
 60 50 30 18 9 9 19 26 33 44 60

17.9 18.7 19.6 19.6 21.6 21.4 22.1 21.9 21.3 17.9 16.9 14.7 13.9
 10.7 9.9 9.0 9.0 7.0 6.7 6.5 6.7 7.3 9.7 11.7 13.9 14.7
 60 45 37 28 17 9 9 18 26 35 46 60

20.9 22.3 21.8 20.7 22.1 22.5 22.7 22.5 22.0 18.7 16.9 15.0
 7.7 6.3 6.8 7.7 6.5 6.1 5.9 6.1 6.6 9.9 11.7 13.6
 60 40 28 25 22 16 10 9 18 31 41 60

22.2 23.4 24.9 24.7 22.0 22.2 22.3 22.2 23.4 22.4 22.3 22.6 18.9 18.3
 6.4 5.2 3.7 3.9 6.6 6.4 5.8 5.4 5.2 5.2 5.8 8.6 9.7 10.3
 60 52 38 30 23 21 16 10 9 18 26 34 60

additional xsection on 5th page from here
 for ditch 14.

Sta	+	π	-	Elev
		1028.64.		
125 + 54				23.9. ✓.
+77				24.3. ✓.
126				24.6. ✓.
+36				25.2. ✓.
+43				25.2. ✓.
+74				25.6. ✓.
127				26.0. ✓.
T.P.	7.81	1033.80.	2.65	1025.99.
+20				26.3. ✓.

Lt.

E

Pt.

✓ 21.2 27.6 24.5 24.5 22.2 22.4 22.2 22.6 22.9 22.8 22.2 22.0 24.6 25.1 25.0 22.2
 74 50 41 44 63 62 54 50 47 48 54 66 40 35 36 64
 60 48 42 30 24 21 17 10 8 18 21-24 28 41 53 60 ✓

20.9
 ✓ 22.3 22.5 22.6 23.5 23.9 24.3 24.2 23.4 22.5 25.0 25.1 26.1
 82 63 61 60 51 47 43 44 52 61 36 29 25
 60 48 29 23 18 9 9 19 21-25 30 41 60 ✓

✓ 20.7 21.2 21.1 21.6 22.8 24.3 24.6 24.6 24.3 22.9 24.8 25.6 26.0
 79 74 75 70 48 43 40 40 43 57 38 30 26
 54 41 34 27 17 9 10 18 21-25 28 42 54 ✓

✓ 19.8 21.3 21.9 22.3 24.6 24.8 25.2 25.0 25.0 22.0 24.9 25.3
 88 73 67 53 40 38 34 36 36 56 37 33
 60 35 28 21 15 8 11 18 21-25 28 60 ✓

✓ 20.2 21.8 22.2 22.8 24.7 24.9 25.2 25.1 24.8 23.1 23.8 24.8
 84 68 64 48 39 37 34 35 3.8 5.5 48 38
 60 35 28 20 15 8 10 17 21-23 25 60 ✓

✓ 25.2 26.4 27.9 24.3 24.2 25.2 25.3 25.6 25.3 25.0 24.2 24.1 24.4 24.8
 34 22 17 43 42 34 33 30 33 36 44 45 42 42 38
 60 51 31 25 21 16 8 11 19 23 25 27 46 60 ✓

✓ 27.8 28.1 28.8 25.2 24.7 25.3 25.7 26.0 25.6 25.1 24.6 25.9 25.4 25.9
 08 103 104 34 39 33 29 26 30 35 4.0 27 32 27
 60 45 32 24 22 18 11 13 20 22-25 28 44 60
 E 127 ✓

✓ 26.4 26.8 28.9 25.3 25.2 26.1 25.9 26.3 25.0 25.4 25.0 25.1 24.2 28.5 32.1
 74 70 59 85 16 77 79 15 18 84 88 87 62 53 7.6
 60 42 31 25 21 17 9 13 19 21 24 30 44 75 ✓

Sta	+	π	-	Elev.
		1033.80.		
127	+35			26.5. ✓
	+50			26.6. ✓
	+75			27.0. ✓
				27.2. ✓
	+21			27.5. ✓
	+44			27.6. ✓
	+70			27.5. ✓
129				27.1. ✓

Lt.

E

Bt.

✓ 25.7 25.4 26.4 25.1 25.2 26.2 26.1
86 84 74 87 86 76 77
60 40 28 24 21 16 8

26.5 26.3 25.4 25.5 31.7 32.9 31.2 41.7
73 75 84 83 21 0.9 134 175
13 20 25 35 49 75 100

✓ 21.8 24.6 26.2 26.6 25.7 25.3 26.5 26.3 26.6 26.5 25.7 25.8
110 92 75 72 81 85 73 75 72 73 81 80
60 44 33 39 25 22 16 9 13 20 25

✓ 24.9 29.6 25.9 25.8 26.6 26.7
89 42 79 80 72 71
60 34 25 20 17 9

27.0 26.7 26.3 26.8
68 71 75 70
13 18 26

30.3 ✓ 26.4 32.1 27.3 26.3 26.9 27.1 27.2 27.0 26.9 27.4 27.2
S.S. 7.4 1.7 6.5 7.5 6.9 6.7 6.6 6.8 6.9 6.0 4.6
60 39 27 19 17 8 11 18 24 29

✓ 28.3 26.7 26.2 32.8 29.5 26.9 26.5 26.3 27.5 27.2 27.2 28.6
S.S. 71 46 10 43 70 73 66 65 6.3 6.6 6.6 5.2
60 52 40 32 25 20 17 11 20 28

✓ 27.2 29.4 33.5 27.8 26.7 26.7 27.4 27.5 27.6 22.5 27.1 27.6 28.5
66 44 03 60 71 71 64 63 62 63 6.7 6.2 5.3
60 54 40 28 22 20 18 10 11 16 24 28

✓ 26.5 33.1 28.3 27.0 26.8 27.4 27.3 27.5 27.3 27.1 28.9
73 0.6 5.2 6.8 70 64 65 63 6.5 6.7 4.9
60 40 30 24 20 17 10 11 15 29

✓ 25.7 29.5 32.2 27.0 26.1 26.7 26.8 27.1 26.8 26.5 27.7
81 43 16 48 77 71 70 67 70 73 61
60 49 39 27 21 18 10 10 19 27

Sta	+	π	-	Elev.
		1033.80.		
T.P. Hill			0.00	1033.80
129 +25				26.6. ✓.
+55				25.9. ✓.
+75				25.2. ✓.
+30				24.1. ✓
T.P.			9.66	1024.14.
T.P. Hill	1727	1051.07.		1033.80.
127 +50				(26.6). ✓
+75				(27.0). ✓
128				(27.2). ✓
+21				(27.5). ✓

1051.1

1+

2

1+

41.7 48.1 45.6 42.8 42.7 43.3 43.6 43.7 43.9 43.7 43.1 43.7
 94 30 55 83 84 78 75 74 72 74 74 80 75
 60 37 30 25 23 20 18 15 8 10 17 21 26

39.6 41.1 42.4 42.9 41.7 41.6 42.9 42.9 43.2 43.1 43.1 42.7 43.0 44.7 48.1 51.1 53.5
 115 120 87 82 94 95 82 82 79 80 80 84 81 64 30 00 124
 60 54 37 28 25 21 17 8 10 19 22 26 28 60 83 100

37.3 38.7 39.1 40.7 41.6 42.1
 138 124 120 104 95 90
 60 38 30 23 20 11

42.5 42.4 42.5 41.3 41.5 44.7 46.1 47.6 48.1
 84 87 86 98 96 64 50 35 17
 10 17 20 24 31 49 75 100

35.6 37.8 39.6 40.8 41.0 41.2
 15.5 133 115 103 101 99
 60 31 22 18 12 7
 2 51 6 130

41.4 41.2 40.8 39.6 42.4 42.1
 97 99 103 115 87 90
 10 17 23 30 60

36.5 38.6 41.1 43.9
 24.5 146 125 100 72
 41 60 83 100

41.4 43.4 44.7 45.7
 24.1 97 77 64 54
 48 67 82 100

45.0 45.8 46.6 47.5 47.3
 23.9 61 53 45 36 38
 53 60 76 86 100

47.1 47.4 47.8 47.7
 23.6 40 37 33 34
 56 65 87 100

Sta	+	π	-	Elev
		1051.07		
128 +44				(27.6) ✓
+70				(27.5) ✓
129				(27.1) ✓
+25				(26.6) ✓
T.P. Hill			17.27	1033.80
T.P.	0.41	1024.55		1024.14
130 +43				22.0 ✓
+64				20.9 ✓
131				19.1 ✓
+12				18.6 ✓

Lt.

C

Rt.

44.4 46.6 46.8 47.8 47.1

(23.5) 67 45 43 3.3 40 X
53 58 74 85 100

46.1 46.5

(23.6) 50 46 x SW at Ho. X
54 73

43.6 43.9 41.1 45.0

(24.0) 75 72 70 61 X
51 60 72 100

37.7 40.2 42.2

(24.5) 134 109 8.9 X
44 77 100

4 sta 13.3 13.3 13.3 13.3 11.8 18.6 21.5 21.8 22.0 21.9 21.8 20.9 20.0 24.1 24.6
X 6.3 10.8 63 63 68 60 31 28 26 27 28 37 36 0.5 0.0 X
130 123-120 114 60 40 29 18 7 10 18 21 25 30 60

4 18.8 13.7 18.8 19.7 18.4 17.6 18.4 20.2 20.7 20.9 20.7 20.7 19.6 19.6 21.6 20.7 21.7
58 109 58 49 62 70 62 44 39 37 39 39 50 50 30 39 29 X
126 120-116 109 69 47 33 26 20 7 11 16 21 24 31 34 36 60

X 16.6 13.1 16.6 15.3 15.5 18.4 18.9 19.1 18.9 18.8 17.7 17.9 17.1 20.1 19.3 19.7 19.8
8.0 115 80 93 91 62 57 55 57 58 69 67 49 45 53 49 48 X
117 113-111 106 55 31 18-7 11 17 21 25 30 32 35 39 60

X 13.1 14.3 18.1 18.4 18.6 18.5 18.4 17.6 17.6 19.4 18.0 17.5 17.9
115 103 65 62 60 61 62 70 70 5.2 64 71 68 X
60 34 18 8 10 20 22 25 31 33 37 47 60

Sta	+	π	-	Elev
		1024.55.		
131 +27	Myrtle St Profile			18.1. ✓.
+46				17.7. ✓.
+49				17.7. ✓.
+54				17.6. ✓.
T.P.			7.82	1016.73.
T.P.	1.45	1022.74.		1021.29.
123 +50				(21.0).
124				(21.2).
+40				(21.6).
125				(22.7).

Lt.

E

Rt.

13.8 13.1
 ✓ 108 115
 108 106 105 71 36 29 17 8

18.1 18.3 19.5 20.0
 65 63 56 46
 11 30 60 100 ✓

12.8 12.9 14.0 17.3 17.5 17.7 17.7 17.8 18.4
 ✓ 11.8 11.7 10.6 7.3 7.1 6.9 6.9 6.8 6.2
 60 38 25 15 10 10 36 60

Duplicate +46
 17.7 17.6 17.3 15.7 16.9
 49 7.0 7.9 8.9 7.7
 10 30 33 60

12.9 12.8 13.4 13.9 17.2
 ✓ 11.7 11.8 11.2 10.7 7.4
 60 38 29 24 15
 & sta. 132

17.6 17.3 15.5 15.6 16.9 17.8
 7.0 7.3 9.1 9.0 7.7 6.8
 16 21 27 31 60

& sta. 124 124 14.9 14.4 15.3 16.5
 7.8 7.8 8.3 7.4 6.2
 135 125 124-122 120 100

(1.7)

14.9 14.5 14.1 14.7 15.2
 7.8 8.2 8.6 8.0 7.5
 130 121 120-118 116 100

(1.5)

14.9 14.6 13.8 14.7 15.4
 7.8 8.1 8.9 8.0 7.3
 130 121 120-118 116 100

(1.1)

14.8 14.7 13.9 15.1 17.1
 7.9 8.0 8.8 7.6 5.6
 140 129 128-125 24 100

(0.0)

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

1022.74

125+54

(23.9)

126

(24.6)

+43

(25.2)

127

(26.0)

T.P.

1.25

1023.99

0.00

1022.74

+50

(26.6)

128

(27.2)

128

+55

?

129

(27.1)

Lt.

R

Rt.

15.5 15.3 21.3 15.0 15.6 21.5
 72 74 9.1 7.7 7.1 -1.2
 132 123 121-118 117 100

15.4 15.4 13.5 15.4 15.3 14.0 20.8
 73 73 9.2 7.8 7.4 6.7 -1.9
 147 131 129-127 125 100 88

16.6 15.4 13.4 15.6 16.4 20.2
 71 73 9.3 7.1 6.3 -2.5
 150 141 138-135 32 89

15.8 13.6 13.6 15.9 19.1 19.2 19.4
 6.9 7.1 9.1 6.8 5.6 3.5 0.8 -3.3
 160 151 148-145 144 118 110 100

15.8 15.7 13.8 16.5 20.7 21.4
 8.2 8.3 10.2 7.5 3.3 -2.6
 168 159 155-152 149 110

15.8 15.7 13.6 16.2 16.4 18.7 20.8
 8.2 8.3 10.4 7.8 7.6 5.3 -3.2
 156 46 144-141 139 117 100

15.5 15.8 13.3 16.0 16.4
 8.5 8.2 10.7 8.0 7.3
 140 129 125-124 121 93

15.2 15.3 13.1 16.1 16.6 20.8
 8.8 8.7 10.9 7.9 7.4 -3.1
 133 123 120-118 115 87

Sta + π - Elev

1023.99.

129 +55

(25.9):

130

(24.1) .

T.P. 5.68 1023.82. 5.85 1018.14.

T.P. 7.06 1023.79. 7.06 1016.76. (1016.73) .

132 16.7. ✓ .

+35 16.3 ✓ .

+30 for flow lines

+68 16.2. ✓ .

133 16.1. ✓ .

+15 16.0. ✓ .

T.P. 2.95 1019.68. 7.06 1016.73.

11.

8

11.

15.5 15.3 12.0 15.7 16.0
85 87 120 89.80 -1.9
136 125 123-120 119 92

15.6 14.9 13.0 15.6 16.1
84 93 110 84 79 -0.1
135 126 124-122 119 92

2 sta. 132 12.8 12.8 12.6 16.1 16.1 16.1 14.3 14.1 15.9 16.1 15.9
110 110 112 77 73 71 74 95 97 79 77 4
60 30 25 15 9 9 16 20 24 28 44 60

13.0 13.2 12.7 12.7 15.5 16.0 16.3 16.3 16.1 13.5 13.6 15.3 14.6 15.0
108 106 111 111 83 78 75 75 77 103 102 85 92 88 4
60 30 27 24 15 10 10 15 21 24 28 39 60

120 x 12" CM - 10.6
25 22

12" CM
135 130
105 108 2
27 37

13.3 13.1 12.4 12.6 15.3 15.9 16.2 16.1 15.8 11.9 11.9 15.0 15.5 17.3
105 107 114 112 85 79 74 77 80 99 99 88 83 65 4
60 29 26 23 15 9 10 16 21 25 28 34 60

12.7 13.0 13.0 12.6 12.5 15.5 15.9 16.1 16.0 15.6 14.0 14.0 15.7 16.2 17.4
111 108 108 112 113 83 79 77 78 82 90 90 81 76 64 4
60 45 31 28 24 15 9 9 16 22 25 28 40 60

13.1 12.9 13.0 12.6 12.5 15.4 15.1 16.0 15.9 15.6 14.5 14.2 16.2 22.3
107 109 108 112 113 84 81 78 79 82 93 96 76 15
60 31 29 27 24 15 10 10 17 21 25 29 60
2 132 31 4

Sta	+	π	-	Elev
		1019.68		
133	+50			15.9. ✓
	+81			15.8. ✓
134				15.6. ✓
	+36			15.3. ✓
	+53			15.2. ✓
	+72			15.1. ✓
135				15.0. ✓
	+22			14.8. ✓

Lt

d

Et

13.1 13.0 13.2 12.5 12.5 15.3 15.9 15.8 15.8 14.6 15.2 14.1 21.6
 ✓ 66 67 65 72 72 44 38 39 39 51 52 25 16 11.9 4
 ✓ 60 44 29 27 23 16 13 17 21 25 30 40 60

12.8 12.9 13.0 12.5 12.5 15.2 15.8 15.7 14.7 14.7 14.6 19.5 21.4
 ✓ 69 68 67 72 72 45 39 40 50 50 31 21 02 11.7
 60 37 28 26 23 16 17 20 25 30 35 41 60

13.8 13.6 14.0 12.5 12.6 15.2 15.6 14.5 14.5 14.5 17.4 19.9 21.6
 ✓ 59 61 57 72 71 45 41 43 52 52 28 23 102 11.9
 60 36 29 26 22 16 16 20 24 30 36 44 60

17.0 19.0 19.6 18.2 12.7 12.6 14.8 15.3 15.0 14.3 14.2 16.4 17.0 19.7 22.4
 ✓ 27 27 11 15 70 71 49 44 47 54 55 33 27 00 10.7
 60 54 48 34 26 21 17 16 20 24 30 39 51 60

18.0 16.7 16.1 12.5 12.5 14.6 14.7 15.2 14.8 14.6 13.8 16.4 16.7 19.2 20.2
 ✓ 1.7 30 36 72 72 51 50 45 49 57 59 39 30 05 10.5
 60 52 32 26 22 16 14 16 20 24 30 36 50 60

16.4 17.3 17.0 12.4 12.4 14.5 14.8 15.1 14.8 14.5 13.9 13.8 16.3 16.7
 ✓ 33 24 27 75 73 52 49 46 49 52 58 59 34 30
 60 38 33 26 22 17 10 12 17 21 25 30 60

11.7 12.2 13.5 12.1 12.0 14.3 14.7 15.0 14.8 14.7 13.5 13.5 15.5 15.7
 ✓ 8.0 75 62 76 77 53 50 47 49 50 62 62 42 40 35
 60 39 30 25 22 16 9 10 17 21 25 29 32 60

11.8 11.9 12.8 14.2 14.6 14.8 14.7 14.5 13.0 12.7 14.6 14.5
 ✓ 7.9 78 79 55 51 44 49 50 52 47 70 51 52
 60 31 22 16 9 10 17 21 25 28 60

Sta	+	π	-	Elev
		1019.68		
135	+60			14.6. ✓.
136				14.4. ✓.
	+50			14.0. ✓.
137				13.9. ✓.
	+50			13.8. ✓.
	+80			13.7. ✓.
138				13.6. ✓.
	+16			13.5. ✓.

lt. ♀ rt.

X 11.8 11.4 11.6 13.9 14.3 14.6 14.3 14.0 11.8 12.7 12.8
 7.9 8.3 8.1 5.8 5.4 5.1 5.4 5.7 7.7 7.9 7.0 6.9 X
 60 28 22 16 10 10 16 22 26 28 60

X 11.6 11.5 11.3 13.4 14.0 14.4 14.0 13.7 11.7 11.6 12.2 12.3 12.1
 8.1 8.2 8.4 6.3 5.7 5.3 5.7 6.0 8.0 8.1 7.5 7.4 7.1
 60 24 21 16 10 10 17 22 26 27 35 60

X 11.3 11.5 11.2 13.3 13.8 14.0 13.9 13.6 11.5 11.4 11.9 12.2 12.3
 8.4 8.2 8.5 6.4 5.9 5.7 5.9 6.1 8.2 8.3 7.8 7.5 7.4 X
 60 29 22 17 10 10 16 21 26 27 37 60

X 11.2 11.1 11.7 11.9 11.0 11.1 13.3 13.6 13.9 13.4 11.0 11.1 11.8 12.1
 8.5 8.6 8.0 7.9 8.7 8.6 6.4 6.1 5.8 6.3 8.7 8.7 8.0 7.9 7.6
 60 36 33 28 26 21 16 10 15 22 25 26 36 60 4

X 11.2 10.7 10.9 13.2 13.4 13.4 10.5 10.6 12.0 11.9 12.0
 8.5 9.0 8.8 6.5 5.9 6.3 9.2 9.1 7.7 7.8 7.7 X
 60 30 21 16 16 21 25 27 35 60

Top Great Lakes
 & Pine Line
 10.5 11.0 13.5 11.3 09.3 09.3 12.9 13.3 13.7 13.2 10.4 10.4 12.5 12.9 12.6
 9.14 X 5.7 6.2 8.4 10.4 10.4 6.8 6.4 6.0 6.5 9.3 9.3 7.2 6.8 7.1 4
 285 Gr. 60 31 26 24 22 16 9 15 22 25 27 34 60

X 16.6 16.5 10.9 09.4 11.3 12.8 13.3 03.4 10.3 14.8 14.7
 3.1 3.2 8.8 10.3 8.4 6.9 6.4 6.1 6.3 9.4 9.9 5.0
 60 32 23 23 21 20 16 9 16 22 24 28 60 4

4 16.5 12.5 10.6 09.4 12.5 13.1 13.5 13.3 11.0 10.2 10.8 14.4 15.2
 32 22 9.1 10.3 7.2 6.6 6.2 6.4 8.7 9.5 8.9 5.3 4.5 4
 60 34 23 23 21 17 12 14 21 23 25 31 60

Sta.	+	π	-	Elev
		1019.68.		
138 +60				13.3. ✓.
T.P.	5.07	1017.91.	6.84	1012.84.
139				12.8. ✓.
+45				12.4. ✓.
+75				12.5. ✓.
140				12.5. ✓.
+50				12.6. ✓.
141				12.8. ✓.
B.M.			4.81	1013.10. (1013.10).
+50				13.0. ✓.

LH

E

RH

08.4 09.5 10.6 08.1 07.0 11.1 11.5
 9.5 8.4 7.3 9.8 10.9 6.8 6.4
 60 37 29 23 23 21 15

11.0 08.7 08.4 11.3 11.4
 6.9 9.2 9.8 6.6 5.5
 15 21 25 30 60

07.3 08.8 08.0 9.1 12.4 12.7 12.8 12.6 12.5 10.0 09.9 11.8 11.7
 10.6 9.1 9.9 8.8 5.5 5.2 5.1 5.3 5.4 7.9 8.0 6.1 6.2
 60 39 38 37 30 17 10 12 15 22 26 29 60

FL 12" CM

06.7 07.6 07.2 09.6 11.8 12.1 12.4 12.2 12.0 09.9 08.9 09.5 09.6 09.9
 11.2 10.3 10.7 8.3 6.1 5.8 5.5 5.7 5.9 9.0 9.0 8.4 8.3 8.0
 60 40 35 26 16 11 13 17 25 27 28 46 60

X

07.0 08.1 09.8 12.1 12.5
 10.9 9.8 8.1 5.8 5.4
 60 35 27 17

12.1 11.8 10.7 09.6 10.0
 5.8 6.1 7.2 8.3 7.9
 13 20 25 30 60

X

07.5 08.1 08.7 10.8 12.2 12.3 12.5 12.2 11.7 10.1 10.2
 10.4 9.8 9.2 7.1 5.7 5.6 5.4 5.7 6.2 7.8 7.7
 60 41 33 24 17 10 15 20 29 60

X

08.7 09.3 10.0 12.1 12.4 12.6 12.5 12.0 11.2 10.6 11.2
 9.2 8.6 7.9 5.8 5.5 5.3 5.4 5.9 6.7 7.3 6.7
 60 36 26 17 9 12 19 26 31 60

X

10.7 10.7 10.9 12.5 12.6
 7.2 7.2 7.1 5.4 5.3
 60 37 19 15 6

12.8 12.8 12.3 11.9 12.0 12.5 10.9 12.6
 5.1 5.1 5.6 6.0 5.9 5.4 6.0 5.3
 15 20 21 24 27 32 60

Spk. 17 24" 47' Rt. 5/4 191

13.4 13.3 11.0 11.0 12.8 12.7 13.0
 4.5 4.6 6.9 6.9 5.1 5.2 4.9
 60 30 25 19 15 11

12.9 12.7 11.8 11.8 13.8 15.4
 5.0 5.2 6.1 6.1 4.1 2.5
 12 16 19 24 30 60

Sta	+	π	-	Elev
		1017.91		
142				12.7. ✓
140				12.4. ✓
174				11.6. ✓
143				10.9. ✓
127				10.2. ✓
154				09.6. ✓
144				08.6. ✓
127				07.8. ✓

12-9-44

25°+

109

L

E

R

X 14.0 15.1 16.4 17.2 18.2 19.4
39 22 45 67 57 55
60 34 26 18 16 7

12.7 12.7 12.4 11.8 12.0 16.9 16.0 19.9
52 52 55 61 59 104 101 110
11 15 20 25 33 42 75

X 12.3 13.5 14.6
56 44 34
60 50 34

10.5 10.5 12.0 12.1 12.4 12.4 12.0 11.3 11.5 17.9 19.9 20.9
74 74 59 58 55 55 59 66 64 90 110 130
25 19 15 8 11 15 20 25 34 39 80

X 11.4 12.8 14.7 14.9 17.2 11.3
65 51 82 81 67 66
60 31 25 19 15 8

11.6 11.4 11.1 10.9 10.3 10.3 15.6 18.7
63 65 68 70 76 76 23 108
11 16 19 20 24 34 75

X 10.1 11.0 9.2 9.1 10.4 10.5 10.9
78 69 87 88 75 74 70
60 31 26 20 16 9

10.6 10.0 9.5 9.4 13.0 13.9 14.7
73 79 84 84 49 40 32
15 19 21 25 33 39 60

X 08.1 10.2 08.5 08.6 09.9
92 77 94 93 80
60 29 25 19 15

09.9 10.2 10.1 9.7 9.5 08.9 08.1 12.2 11.9 13.1
80 77 78 81 84 90 98 57 50 48
9 11 16 18 20 24 32 40 60

X 07.9 08.9 10.0 07.6 07.7 09.1 09.2 09.6
109 91 79 103 102 88 87 83
60 42 29 24 19 16 9

09.4 08.9 08.3 08.4 12.3 13.0 13.1
85 90 96 95 56 49 48
12 18 21 25 33 42 60

X 05.3 06.1 08.9 06.7 06.9 08.1 08.2 08.6 08.5 08.1 07.9 07.2 07.2 15.5 15.6 15.4
126 112 90 112 110 98 97 93 94 98 100 107 107 24 23 25
60 46 29 24 20 17 8 10 16 19 21 24 39 59 80

X 04.4 06.8 08.1 06.1 06.2 07.3 07.6 07.8
135 111 92 118 117 106 103 101
60 41 30 25 20 17 8

07.6 07.1 06.4 06.6 14.9 15.3 15.7
103 108 115 113 30 26 22
13 17 21 24 36 59 80

Sta.	+	π	-	Elev	
		1017.91			
144 + 54				07.0.	✓.
T.P.	2.01	1002.64	12.28	1005.63	
145				05.6.	✓.
+50				04.3.	✓.
146				03.4.	✓.
+50				02.8.	✓.
147				02.6.	✓.
+17					
+32					

2-11-44

20°+

110

Lt

E

Et

~~03.0 04.6 06.9 05.4 05.6 06.3 06.6 07.0 06.9 06.3 05.4 05.4~~
~~14.9 13.3 11.0 12.5 12.3 11.6 11.9 10.9 11.1 11.6 12.5 12.5~~
~~60 42 28 24 21 19 9 10 18 21 24 39 66 80~~
~~E 54 145~~

~~01.1 02.3 03.2 04.8 05.3 05.6 05.6 05.3 04.8 04.3 04.3 06.0 06.2 06.5~~
~~6.5 5.3 4.4 2.8 2.3 2.0 2.0 2.3 2.8 3.3 3.3 1.6 1.4 1.1~~
~~60 31 26 16 8 10 15 19 21 24 28 35 60~~

~~00.4 01.0 01.9 03.2 04.0 04.1 04.3 04.2 04.0 03.1 02.7 03.2~~
~~7.2 6.6 5.7 4.4 3.6 3.5 3.3 3.4 3.6 4.5 5.4 4.4~~
~~60 34 24 19 16 8 11 16 23 35 60~~

~~00.2 00.4 01.1 03.0 03.3 03.4 03.4 03.0 01.3 02.2 01.6 02.4~~
~~7.4 7.2 6.5 4.6 4.3 4.2 4.2 4.6 6.3 6.4 6.6 5.2~~
~~60 28 25 19 10 12 18 22 34 46 60~~

~~00.2 00.6 00.3 01.3 02.2 02.6 02.8 02.7 02.3 01.0 00.7 00.6 01.4~~
~~7.4 8.0 7.3 6.3 5.4 5.0 4.8 4.9 5.3 6.6 6.9 7.0 6.2~~
~~60 28 24 21 18 10 13 20 22 34 46 60~~

~~09.6 09.7 00.3 02.0 02.3 02.6 02.4 02.1 00.4 00.5 00.8 00.6 00.9 06.5~~
~~8.0 7.9 7.3 5.6 5.3 5.0 5.2 5.5 7.2 7.1 6.8 7.0 7.0 6.1~~
~~60 28 25 18 12 12 18 22 25 26 33 46 60~~

FL 12" CM

7.3

24.4

12" x 47" CM

FL 12" CM

7.2
20.6

Sta	+	π	-	Elev
		1207.64		
149 +47				02.5. ✓
+66 & Sterling Ave.				02.5. ✓
B.M.		4.51	1003.13.	(1003.13).
+84				02.2. ✓
+92				02.0. ✓
148				01.8. -
+22				01.3. ✓
+47				1000.4. ✓
+62				999.9 ✓

177

$\begin{matrix} & 0.50 & 0.36 & 0.26 \\ \times & 26 & 40 & 50 \\ & 100 & 50 & 15 \end{matrix}$

Spk. in 60" Cott. Et sta 147+71

$\begin{matrix} & 0.22 & 0.21 & 0.20 \\ & 54 & 55 & 56 \\ & 10 & 27 & 60 \end{matrix}$

4

	0.26	0.19	0.04	0.01	0.21	0.22	0.19	0.18	0.96	0.96	0.21	0.11	0.92
50	57	72	75	55	55	54	57	58	80	80	55	65	73
60	29	25	20	17	6		10	18	22	25	31	51	60

7 0 ^{7.8}	0 ^{6.5}	0 ^{5.3}	0 ^{4.2}	0 ^{3.1}	0 ^{2.1}	0 ^{2.0}	0 ^{1.7}	0 ^{1.6}	9 ^{9.2}	2 ¹	7 9 ^{9.4}
40.2	11	23	74	75	58	56	59	60	84	55	69 77
100	67	31	25	20	18	10	17	22	25	31	54 60

58

10.1×10.1 8.4 9.4 9.5 9.9 0.9 0.1 0.9 0.1 0.1 0.1 0.1 9.8 9.9 0.1 9.9 9.5
 131 131 110 102 82 81 67 65 67 43 66 67 72 87 86 58 77 81
 100 80 51 34 24 20 20 13 8 11 15 20 22 25 32 55 60

$\sqrt{0^2 0^0 0^3 0^9 0^7 0^0 0^3 0^0 0^9 0^0 0^1 0^9 0^1 0^9 0^1 0^9 0^1}$ ✓
 42 36 43 87 89 75 73 75 72 75 75 79 94 95 74 87 99
 100 60 34 24 21 20 12 8 11 14 13 22 25 20 50 60

0 ¹¹	✓	06 ²	09 ⁰	95 ¹	96 ⁶	99 ⁰	99 ⁶	9 ^{4.7}	99 ⁹	99 ⁶	99 ⁶	99 ²	99 ¹	99 ¹	99 ²	✓	19 ¹²
45		70	67	89	90	86	80	79	77	80	80	84	98	77	85	94	104
60		43	30	24	21	19	16	7	10	15	19	21	25	27	49	60	

Sta	+	π	-	Elev
		1007.64		
148	+80			999.2 ✓

149		X		98.7 ✓
-----	--	---	--	--------

150				97.9 ✓
-----	--	--	--	--------

151				97.7 ✓
-----	--	--	--	--------

152				97.5 ✓
-----	--	--	--	--------

153				97.4 ✓
-----	--	--	--	--------

154				97.3 ✓
-----	--	--	--	--------

155				97.0 ✓
-----	--	--	--	--------

47.

3

124

	46.7	47.1	47.1	47.8	48.5	48.3	48.5	48.7	48.5	48.6	48.2	46.9	46.7
✓	12.9	12.5	10.5	9.8	10.1	9.3	9.1	8.9	9.1	9.0	9.4	10.7	11.9
	60	42	30	25	22	17	7	10	14	18	21	60	

[illegible]

$\checkmark$ $q_1^{0.3}$ $q_1^{0.1}$ $q_1^{0.6}$ $q_1^{0.8}$ $q_1^{0.9}$ $q_1^{0.4}$ $q_1^{0.2}$ $q_1^{0.5}$ $q_1^{0.7}$ $q_1^{0.1}$ $q_1^{0.2}$ $q_1^{0.6}$ $q_1^{0.7}$ $q_1^{0.2}$ $q_1^{0.9}$ $q_1^{0.1}$
 113 115 110 108 112 102 100 101 99 100 99 104 115 89 84 69 100
 60 33 30 25 23 20 18 14 7 9 14 19 21 25 29 39 60

	$q_{1.1}$	$q_{1.2}^a$	$q_{1.3}$	$q_{1.4}$	$q_{1.5}$	$q_{1.6}$	$q_{1.7}$	$q_{1.8}$	$q_{1.9}$	$q_{1.10}$
✓	105	112	109	119	119	103	101	81	102	105
	60	35	25	24	21	18	10		14	19

X 98.3 91.3 91.7 95.6 97.2 97.3 97.4 97.3 97.3 97.1 95.7 95.6 95.6 95.1 97.2
93 116 103 109 120 104 103 102 103 103 105 119 20 20 31 5.5
60 50 39 24 23 20 18 11 9 16 19 22 25 46 62 75

$\sqrt{x}$

8.7	7.8	6.5	8.6	12.0	10.6	10.4	10.3	10.5	10.7	12.2	12.2	3.8	2.2	2.5	5.5
60	50	40	31	24	22	19	12	16	19	23	27	45	54	75	

9^{12}
 96.7 96.3 95.3 96.2 96.9 97.0 96.7 96.6 94.8 95.2 91.2 95.4 96.3 96.12
 104 109 113 123 114 107 106 109 111 128 124 64 22 13 14
 60 42 28 24 21 19 12 15 18 22 27 43 52 69 85

Sta	+	π	-	Elev.
		1007.64.		

151				96.8. ✓
T.P.	7.20	1004.44.	1040	997.24. ✓

+30				96.8. ✓
-----	--	--	--	---------

+73				96.7. ✓
-----	--	--	--	---------

177 Profile of Culv. & Ditch Pt.

152				97.0. ✓
-----	--	--	--	---------

+42				97.5. ✓
-----	--	--	--	---------

+72				97.7. ✓
-----	--	--	--	---------

T.P.	7.25	1004.49.	7.20	997.24.
------	------	----------	------	---------

153				98.0. ✓
-----	--	--	--	---------

1-17-45
K.A.
C.F.
C.N.

25 Above
Snow & Windy

113

LT

E

PL

X 96.8 96.4 96.0 95.9 95.8 96.0 96.0 96.8
108 112 116 117 122 116 110 108
60 48 32 26 24 22 19 13
Spk. in PP rt. sta. 151+30

X 97.1 96.6 96.7 96.5 95.3 95.1 95.6 95.9 96.7 96.8 96.5 96.5 96.3 97.9 95.3 96.1 97.1 95.9 96.1
73 78 77 79 91 93 88 85 77 76 78 79 101 101 91 93 97 85 63
60 40 32 28 25 23 20 16 7 14 17 23 26 29 34 38 49 60

X 90.6 99.2 98.1 98.0 96.6 97.9 95.4 96.1 96.4 96.7 96.6 95.7 97.9 92.1 91.4 91.3
38 53 63 64 88 105 90 83 80 71 18 87 105 123 130 131
10 44 33 30 26 24 22 21 16 11 9 20 30 39 51 20

FL 297.5
109
18

FL 297.5
130 142 138 142 155
32 32 41 72 100

X 91.1 99.1 98.9 95.4 95.7 96.4 96.8 97.0 96.7 96.2 97.1 97.3 92.5 90.8
33 53 58 90 87 80 76 74 77 82 97 111 119 136
60 33 31 24 21 18 7 10 19 24 31 41 60

X 99.1 99.0 96.7 96.1 96.3 96.2 96.7 97.3 97.5 97.3 96.8 95.8 95.6 95.2 93.1 91.4
53 54 57 63 81 82 77 71 69 71 76 86 88 92 113 130
60 35 31 29 25 22 19 10 9 19 25 30 24 47 60

X 97.3 97.6 98.1 98.1 99.5 96.5 96.4 97.1 97.5 97.7 97.5 96.9 95.7 94.3 94.0 91.6 90.4
71 68 63 57 69 79 80 73 69 67 69 75 87 101 104 128 141
60 41 35 32 28 25 22 19 11 9 20 23 31 33 47 60
Spk. in PP rt. sta. 151+30

X 96.6 96.4 96.9 96.0 96.7 97.5 97.8 98.0 97.8 97.5 95.9 94.1 93.1 91.5
7.9 81 7.6 8.5 7.8 7.0 6.7 6.5 6.7 7.0 6.6 10.4 11.4 13.0
65 42 30 25 22 18 9 10 18 16 33 39 60

Sta.	+	π	-	Elev.
		1004.49.		
153 +35				98.5. ✓
+76	X Drain	31-39		99.1. ✓
154				99.4. ✓
+49				999.9. ✓
+80				1000.1. ✓
155				00.3. ✓
+42				00.9. ✓
+85				01.8. ✓

2-23-45

A.B.

C.F.

C.N.

LT

E

ET

114

~~94.0~~ ~~93.5~~ ~~93.8~~ ~~94.2~~ ~~96.9~~ ~~98.0~~ ~~98.3~~ ~~98.5~~ ~~98.2~~ ~~97.8~~ ~~96.6~~ ~~94.4~~ ~~91.3~~
~~10.5~~ ~~11.0~~ ~~10.7~~ ~~10.1~~ ~~7.6~~ ~~6.5~~ ~~6.2~~ ~~6.0~~ ~~6.3~~ ~~6.7~~ ~~7.9~~ ~~10.1~~ ~~13.2~~
~~60~~ ~~45~~ ~~34~~ ~~32~~ ~~22~~ ~~18~~ ~~10~~ ~~12~~ ~~20~~ ~~24~~ ~~37~~ ~~60~~

~~93.7~~ ~~93.5~~ ~~5.2~~ ~~91.8~~ ~~98.5~~ ~~98.8~~ ~~99.1~~ ~~98.5~~ ~~99.4~~ ~~95.7~~ ~~93.1~~ ~~91.9~~
~~10.8~~ ~~11.0~~ ~~11.4~~ ~~6.7~~ ~~6.0~~ ~~5.7~~ ~~5.4~~ ~~5.7~~ ~~6.1~~ ~~8.8~~ ~~11.4~~ ~~12.6~~ ~~13.4~~
~~60~~ ~~34~~ ~~31~~ ~~21~~ ~~18~~ ~~11~~ ~~12~~ ~~19~~ ~~27~~ ~~34~~ ~~39~~ ~~60~~

~~95.1~~ ~~95.5~~ ~~99.5~~ ~~99.2~~ ~~99.1~~ ~~99.4~~ ~~99.1~~ ~~98.6~~ ~~99.7~~ ~~93.6~~ ~~91.7~~ ~~90.5~~
~~9.4~~ ~~9.0~~ ~~6.0~~ ~~5.3~~ ~~5.4~~ ~~5.1~~ ~~5.4~~ ~~5.9~~ ~~6.8~~ ~~10.9~~ ~~12.8~~ ~~14.0~~
~~60~~ ~~32~~ ~~20~~ ~~18~~ ~~11~~ ~~12~~ ~~19~~ ~~21~~ ~~32~~ ~~41~~ ~~60~~

~~92.7~~ ~~91.7~~ ~~97.3~~ ~~96.6~~ ~~91.8~~ ~~99.6~~ ~~99.7~~ ~~99.9~~ ~~99.4~~ ~~98.9~~ ~~91.6~~ ~~94.1~~ ~~91.9~~ ~~91.2~~
~~5.8~~ ~~6.8~~ ~~7.2~~ ~~7.4~~ ~~6.7~~ ~~4.9~~ ~~4.8~~ ~~4.6~~ ~~5.1~~ ~~5.6~~ ~~6.9~~ ~~10.4~~ ~~12.6~~ ~~13.3~~
~~60~~ ~~48~~ ~~31~~ ~~25~~ ~~24~~ ~~19~~ ~~12~~ ~~11~~ ~~19~~ ~~22~~ ~~33~~ ~~41~~ ~~60~~

~~91.3~~ ~~99.5~~ ~~92.8~~ ~~91.2~~ ~~91.3~~ ~~00.0~~ ~~00.1~~ ~~00.1~~ ~~99.7~~ ~~99.2~~ ~~96.3~~ ~~93.5~~ ~~92.1~~
~~3.2~~ ~~5.0~~ ~~5.7~~ ~~7.3~~ ~~7.2~~ ~~4.5~~ ~~4.4~~ ~~4.4~~ ~~4.8~~ ~~5.3~~ ~~8.2~~ ~~11.0~~ ~~12.4~~ ~~12.4~~
~~60~~ ~~34~~ ~~28~~ ~~26~~ ~~22~~ ~~15~~ ~~8~~ ~~10~~ ~~20~~ ~~27~~ ~~37~~ ~~46~~ ~~60~~

~~93.5~~ ~~90.2~~ ~~91.9~~ ~~91.3~~ ~~91.5~~ ~~99.9~~ ~~90.2~~ ~~00.3~~ ~~00.0~~ ~~99.5~~ ~~95.2~~ ~~92.6~~ ~~91.8~~ ~~91.5~~
~~1.0~~ ~~4.3~~ ~~6.6~~ ~~7.2~~ ~~7.0~~ ~~4.6~~ ~~4.3~~ ~~4.2~~ ~~4.5~~ ~~5.0~~ ~~9.1~~ ~~16.9~~ ~~12.7~~ ~~13.0~~
~~60~~ ~~41~~ ~~30~~ ~~26~~ ~~22~~ ~~15~~ ~~7~~ ~~10~~ ~~20~~ ~~31~~ ~~39~~ ~~46~~ ~~60~~

~~04.5~~ ~~02.0~~ ~~00.4~~ ~~98.4~~ ~~98.4~~ ~~98.6~~ ~~90.9~~ ~~90.9~~ ~~90.9~~ ~~00.5~~ ~~00.2~~ ~~91.3~~ ~~92.8~~ ~~93.2~~ ~~93.7~~
~~0.0~~ ~~2.5~~ ~~4.1~~ ~~5.6~~ ~~6.1~~ ~~4.7~~ ~~3.9~~ ~~3.6~~ ~~3.6~~ ~~4.0~~ ~~4.7~~ ~~7.2~~ ~~10.7~~ ~~11.3~~ ~~10.8~~
~~60~~ ~~45~~ ~~36~~ ~~31~~ ~~26~~ ~~20~~ ~~18~~ ~~9~~ ~~10~~ ~~19~~ ~~26~~ ~~36~~ ~~44~~ ~~60~~

~~03.5~~ ~~02.0~~ ~~94.6~~ ~~94.1~~ ~~01.4~~ ~~01.6~~ ~~01.8~~ ~~01.6~~ ~~00.8~~ ~~98.7~~ ~~96.8~~ ~~91.1~~ ~~99.3~~
~~1.0~~ ~~2.5~~ ~~4.4~~ ~~5.4~~ ~~3.1~~ ~~2.9~~ ~~2.7~~ ~~2.9~~ ~~3.7~~ ~~5.8~~ ~~7.7~~ ~~7.4~~ ~~5.2~~
~~60~~ ~~47~~ ~~31~~ ~~26~~ ~~19~~ ~~11~~ ~~10~~ ~~19~~ ~~26~~ ~~32~~ ~~42~~ ~~60~~

Sta. + π - Elev.

1004.49.

156 02.1. ✓

+40 02.9. ✓

T.P. 8.54 1012.24. 0.79 1003.10.

+81 03.4. ✓

157 03.6. ✓

+13 03.9. ✓

+36 04.5. ✓

+57 05.0. ✓

158 05.9. ✓

45

27

Et.

	0.3 ²	0.2 ¹	0.0 ⁰	0.9 ⁶	0.8 ¹	0.1 ⁹		0.2 ¹	0.1 ⁸	0.1 ⁵	0.0 ²	0.9 ⁹	0.9 ³	0.2 ⁵	
✓	1.3	2.4	4.5	4.9	2.7	2.6		2.4	2.7	3.0	4.3	4.6	5.2	2.0	✓
	60	44	31	24	18	11			10	16	19	24	34	60	

[illegible]

	$q^{1.3}$	$q^{1.5}$	$q^{1.5}$	$q^{1.5}$	$q^{1.6}$	$q^{1.6}$	$q^{1.8}$	$q^{1.9}$	$q^{2.2}$	
8.2	9.0	9.0	9.0	8.8	8.9	9.0	8.7	8.6	8.5	
23	22	16	10		8	15	19	47	56	

	96.1	96.2	95.6	95.6	95.9	95.9	95.7	95.6	95.0	95.2	95.0	95.5
X	7.8	8.3	8.9	8.9	8.7	8.6	8.8	8.9	9.5	9.3	9.5	9.0
	25	22	21	17	9		8	15	18	23	30	46

	$a^{6.1}$	$a^{6.3}$	$a^{6.7}$	$a^{6.8}$	$a^{6.1}$	$a^{6.2}$	$a^{6.0}$	$a^{6.9}$	$a^{6.6}$	$a^{6.0}$
7.8	8.2	8.8	8.7	8.4	8.3	8.5	8.6	9.9	9.5	
25	23	21	17	8		8	14	19	22	

	$a^{9,1}$	$a^{6,6}$	$a^{6,1}$	$a^{6,3}$	$a^{6,6}$	$a^{6,8}$	$a^{6,6}$	$a^{6,2}$	$a^{6,2}$	$a^{6,9}$	$a^{6,x}$	
X	7.4	7.9	8.4	8.2	7.9	7.7	7.9	8.3	9.3	9.6	9.1	X
	25	22	24	18	9		9	16	19	23	24.	

	98.0	97.3	97.0	97.2	97.3	97.1	96.9	95.4	95.5	
X	6.5	7.0	7.5	7.3	7.2	7.4	7.6	8.1	9.0	X
	27	23	20	8		9	15	19	23	

	$q^{8.8}$	$q^{8.3}$	$q^{8.1}$	$q^{7.9}$	$q^{8.1}$	$q^{8.2}$	$q^{8.1}$	$q^{7.9}$	$q^{6.3}$	$q^{6.4}$	
✓	5.7	6.2	6.4	6.6	6.4	6.3	6.4	6.6	8.2	8.1	✓
	28	24	17	16	8		10	15	20	23	

Sta + π - Elev

1012.24.

158+30

06.5 . ✓

+62

07.0 . ✓

+82

07.1 . ✓

159

07.1 . ✓

T.P. 13.66 1020.87. 5.03

1007.21.

156+81

(03.4) . ✓

157

(03.6) . ✓

+13

(03.9) . ✓

+36

(04.5) . ✓

L.F.

E

B.F.

$\begin{matrix} 0.68 & 0.65 & & 0.62 & 0.64 & 0.65 & 0.65 & 0.64 & 0.48 & 0.46 \\ \times & 5.4 & 5.7 & 6.0 & 5.8 & 5.7 & 5.7 & 5.8 & 7.4 & 7.6 \\ & 27 & 19 & 16 & 9 & & 9 & 16 & 20 & 23 \end{matrix}$

$\begin{matrix} 0.73 & 0.68 & & 0.67 & 0.69 & 0.70 & 0.70 & 0.66 & 0.52 & 0.53 \\ \times & 4.9 & 5.4 & 5.5 & 5.3 & 5.2 & 5.2 & 5.6 & 7.0 & 6.9 \\ & 26 & 18 & 16 & 9 & & 10 & 15 & 20 & 24 \end{matrix}$

$\begin{matrix} 0.78 & 0.73 & 0.70 & 0.69 & 0.70 & 0.71 & 0.70 & 0.68 & 0.54 & 0.55 \\ \times & 4.4 & 4.9 & 5.2 & 5.3 & 5.2 & 5.1 & 5.2 & 5.4 & 6.8 & 6.7 \\ & 28 & 25 & 20 & 17 & 11 & & 10 & 15 & 19 & 23 \end{matrix}$

$\begin{matrix} 0.91 & 0.76 & 0.72 & 0.70 & 0.69 & 0.70 & 0.71 & 0.70 & 0.67 & 0.56 & 0.55 \\ \times & 3.5 & 4.6 & 5.0 & 5.2 & 5.3 & 5.2 & 5.1 & 5.2 & 5.5 & 6.6 & 6.7 \\ & 29 & 26 & 22 & 17 & 16 & 10 & & 10 & 15 & 18 & 23 \end{matrix}$

$\begin{matrix} 94.1 & 97.2 & 98.0 & 98.0 & 94.7 \\ \times & 15.1 & 15.0 & 14.2 & 14.2 & 17.5 \\ & 81 & 54 & 36 & 27 & \end{matrix}$

$\begin{matrix} 98.1 & 98.5 & & 00.2 & 00.3 \\ \times & 14.1 & 13.7 & 12.0 & 11.9 \\ & 80 & 48 & 40 & 32 \end{matrix}$

$\begin{matrix} 98.5 & 99.6 & & 01.1 & 00.8 & 95.2 & 99.9 & 99.5 & 00.5 & 02.2 \\ \times & 13.7 & 12.6 & 11.1 & 11.9 & 17.0 & 12.3 & 12.7 & 11.7 & 10.0 \\ & 80 & 51 & 36 & 32 & & 39 & 58 & 73 & 85 \end{matrix}$

$\begin{matrix} 99.6 & 00.7 & & 91.9 & 01.9 & 95.8 & 00.5 & 05.3 & 06.3 & 06.1 \\ \times & 12.6 & 11.5 & 10.3 & 10.3 & 16.4 & 7.7 & 6.9 & 5.9 & 6.1 \\ & 80 & 51 & 39 & 36 & & 45 & 60 & 80 & 100 \end{matrix}$

Sta. + π - Elev

1020.87

157+57

(05.0) ✓

158

(05.9) ✓

+30

(06.5) ✓

+65

(07.0) ✓

+82

(07.1) ✓

159

(07.1) ✓

+50

07.3 ✓

T.P.

5.33

1012.54

13.66

1007.21

+85

07.1 ✓

2-24-45

117

A.B.

C.F.

C.M.

✓	09.1	09.8	10.7	11.0	05.0	15.6	16.0	16.8	16.6	✓
	11.8	11.1	10.2	9.9	(15.9)	5.3	4.9	4.1	4.3	
	80	54	45	37		45	59	74	100	

✓	11.0	11.7	12.9	12.1	05.9	12.9	14.0	16.2	18.0	✓
	9.9	9.2	8.0	8.2	(15.0)	8.0	6.9	4.7	2.9	
	80	63	42	39		40	58	76	100	

✓	12.3	14.0	10.1		06.5	14.7	14.4	14.3	14.6	15.9	✓
	8.6	6.9	6.2		(14.4)	6.2	6.2	6.6	6.3	5.0	
	80	59	41			46	50	64	78	100	

✓	11.9	13.0	15.9	14.9	07.0	17.9	17.9	17.4	18.5	✓
	9.0	7.9	5.0	6.0	(13.9)	3.0	3.0	3.5	2.4	
	80	69	43	40		48	59	76	100	

✓	11.6	13.3	15.2	14.1	07.1	19.7	18.9	18.7	20.0	✓
	9.3	7.6	5.7	6.8	(13.8)	1.7	2.1	2.2	0.9	
	80	60	44	40		51	67	87	100	

✓	11.1	12.6	14.5	13.8	07.1	18.7	18.7	18.5	19.9	✓
	9.2	8.3	6.4	7.1	(13.8)	2.2	2.2	2.4	1.0	
	80	63	43	39		57	62	78	100	

✓	11.8	11.2	11.9	11.2	07.5	05.9	07.2	07.3	07.1	06.9	05.8	05.4	06.6	15.8	16.9	15.9	✓
	9.1	9.7	9.0	9.7	13.4	14.0	13.7	13.6	13.8	14.0	15.5	15.5	14.3	4.0	4.0	4.0	
	80	49	37	34	27	19	12		11	15	19	23	25	44	66	100	

✓	12.1	09.7	10.0	08.8	07.5	07.2	07.2	07.1	07.0	06.6	05.2	05.1	04.4	04.4	09.8	✓
	0.4	2.8	2.5	3.2	5.0	5.3	5.3	5.4	5.5	5.9	7.3	7.4	5.1	5.1	2.7	
	80	56	48	28	26	18	9		9	15	19	23	31	48	60	

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

1012.54.

160				07.2, ✓
-----	--	--	--	---------

+20				07.2, ✓
-----	--	--	--	---------

+50				07.3, ✓
-----	--	--	--	---------

+75				07.3, ✓
-----	--	--	--	---------

161				07.3, ✓
-----	--	--	--	---------

B.M.	4.90	1012.61.	4.84	1007.70. 1007.70.
------	------	----------	------	-------------------

+50				07.4, ✓
-----	--	--	--	---------

162				07.3, ✓
-----	--	--	--	---------

+30				07.4, ✓
-----	--	--	--	---------

12.5

10.0

08.2

07.4

07.3

0.0

2.5

4.3

5.1

5.2

80

60

35

19

8

09.5

09.0

07.9

07.0

3.0

3.5

4.6

5.5

60

40

35

30

08.9

07.7

07.1

06.0

3.6

4.8

5.4

6.5

60

40

38

33

08.9

07.7

07.1

06.0

3.6

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08.9

07.7

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06.0

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07.7

07.1

06.0

3.6

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5.4

6.5

60

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38

33

08.9

07.7

07.1

06.0

3.6

4.8

5.4

6.5

60

40

38

33

Sta + π - Elev

10/2.6/1.

162+67 X Drain 32-48 07.7 ✓

163 08.3 ✓

+20 08.7 ✓

+60 09.7 ✓

164 10.7 ✓

T.P. 11.92 1024.07. 0.46 10/2.15.

163+60 (09.7) ✓ 14.4

164 (10.7) ✓ 13.4

+30 11.4 ✓

3-1-45

119

A.B.

C.F.

L.N.

~~6.7~~ 60 ~~05.9~~
~~7.3~~ 48 ~~05.3~~
~~7.8~~ 40 ~~04.8~~
~~9.0~~ 36 ~~03.6~~
~~12.0~~ 32 ~~00.61~~
~~6.0~~ 20 ~~06.6~~
~~6.5~~ 18 ~~07.1~~
~~6.0~~ 16 ~~07.6~~
~~4.9~~ 8 ~~07.7~~
~~5.2~~ 13 ~~07.4~~
~~5.2~~ 16 ~~07.4~~
~~5.8~~ 18 ~~06.8~~
~~6.1~~ 18 ~~06.5~~
~~11.7~~ 33 ~~00.9~~
~~13.0~~ 40 ~~07.4~~
~~13.8~~ 48 ~~08.8~~
~~16.5~~ 48 ~~06.11~~
~~13.6~~ 51 ~~09.0~~
~~14.0~~ 70 ~~08.4~~

~~6.1~~ 60 ~~06.5~~
~~6.3~~ 44 ~~06.3~~
~~7.0~~ 30 ~~05.6~~
~~5.4~~ 20 ~~07.2~~
~~4.8~~ 19 ~~07.8~~
~~4.4~~ 9 ~~08.2~~
~~4.7~~ 7 ~~08.3~~
~~4.5~~ 12 ~~08.1~~
~~4.7~~ 15 ~~07.9~~
~~5.0~~ 18 ~~07.6~~
~~5.7~~ 19 ~~06.9~~
~~10.8~~ 34 ~~01.8~~
~~12.4~~ 40 ~~00.2~~
~~12.8~~ 51 ~~09.8~~
~~9.2~~ 70 ~~03.4~~

~~5.1~~ 60 ~~07.5~~
~~5.7~~ 55 ~~06.9~~
~~6.5~~ 51 ~~06.1~~
~~5.9~~ 47 ~~06.7~~
~~5.7~~ 36 ~~06.9~~
~~5.6~~ 29 ~~07.0~~
~~5.4~~ 22 ~~07.2~~
~~4.4~~ 19 ~~08.2~~
~~4.4~~ 9 ~~08.6~~
~~4.0~~ 11 ~~08.7~~
~~3.9~~ 14 ~~08.5~~
~~4.1~~ 19 ~~07.5~~
~~5.1~~ 25 ~~05.5~~
~~7.1~~ 34 ~~01.8~~
~~11.3~~ 36 ~~01.3~~
~~10.8~~ 40 ~~01.8~~
~~5.4~~ 70 ~~07.2~~

~~11.1~~ 15 ~~09.2~~
~~09.2~~ 42 ~~08.7~~
~~08.7~~ 38 ~~08.5~~
~~08.5~~ 31 ~~09.0~~
~~09.0~~ 28 ~~08.8~~
~~08.8~~ 20 ~~09.2~~
~~09.2~~ 15 ~~09.4~~
~~09.4~~ 10 ~~09.7~~
~~09.7~~ 29 ~~09.4~~
~~09.4~~ 32 ~~08.9~~
~~08.9~~ 10 ~~08.0~~
~~08.0~~ 18 ~~07.9~~
~~07.9~~ 24

~~10.2~~ 24 ~~10.2~~
~~10.2~~ 26 ~~10.4~~
~~10.4~~ 10 ~~10.7~~
~~10.7~~ 9 ~~10.5~~
~~10.5~~ 19 ~~10.2~~
~~10.2~~ 21 ~~09.7~~
~~09.7~~ 24 ~~09.7~~
~~09.7~~ 24

~~14.4~~ 33 ~~10.8~~
~~12.0~~ 41 ~~12.1~~
~~10.4~~ 47 ~~13.7~~
~~9.2~~ 60 ~~14.9~~
~~7.0~~ 75 ~~17.1~~

~~25.1~~ 90 ~~20.8~~
~~20.8~~ 70 ~~17.1~~
~~17.1~~ 52 ~~16.1~~
~~16.1~~ 43 ~~14.5~~
~~14.5~~ 36 ~~13.4~~
~~13.4~~ 30 ~~20.4~~
~~20.4~~ 46 ~~20.9~~
~~20.9~~ 35 ~~19.3~~
~~19.3~~ 100

~~21.1~~ 30 ~~12.3~~
~~12.3~~ 27 ~~11.0~~
~~11.0~~ 34 ~~11.2~~
~~11.2~~ 19 ~~11.3~~
~~11.3~~ 13 ~~11.4~~
~~11.4~~ 11 ~~11.2~~
~~11.2~~ 17 ~~10.5~~
~~10.5~~ 20 ~~10.7~~
~~10.7~~ 23 ~~22.8~~
~~22.8~~ 49 ~~22.3~~
~~22.3~~ 66 ~~20.0~~
~~20.0~~ 85 ~~18.1~~
~~18.1~~ 100

Sta	+	π	-	Elev
		1024.07.		
164+55				12.2 ✓
165				13.9 ✓
+30				15.1 ✓
+75				16.5 ✓
166				17.5 ✓
+25				18.5 ✓
+50				19.4 ✓
167				21.3 ✓

[illegible]

Sta + π - Elev

1024.07.

167+25

22.3 - ✓

T.P. 11.94 1032.49. 3.52 1020.55.

+60

23.7 - ✓

168

25.9 - ✓

+50

28.0 - ✓

169

29.7 - ✓

T.P. 6.95 1036.61. 2.83 1029.66.

+50

31.0 - ✓

170

31.4 - ✓

B.M. 2.60

1036.61

1036.59

2.60

1034.01.

1034.00

+50

29.9 - ✓

Sta. + π - Elev

1036.61
1036.59

171 28.2 - ✓

+50 26.2 - ✓

172 23.7 - ✓

B.M. 2.09 1036.10 2.60 1034.01
1036.08 1033.99

T.P. 4.43 1027.05 13.48 1022.62
1027.03 1022.60

+50 21.1 - ✓

173 17.9 - ✓

+43 14.7 - ✓

T.P. 3.93 1018.59 12.39 1014.66
1018.57 1014.64

+59 13.6 - ✓

+74 12.5 - ✓

Sta	+	Δ	-	Elev
173+83		1018.59 1018.57		12.0 - ✓

+89	X Drain	27-265		
-----	---------	--------	--	--

+92				11.6 - ✓
-----	--	--	--	----------

+97				11.4 - ✓
-----	--	--	--	----------

174				11.1
-----	--	--	--	------

+16.77	∅ E. Co. Line.			10.6 - ✓
--------	----------------	--	--	----------

B.M.			9.16	1010.43 1010.41
------	--	--	------	--------------------

B.M.	4.09	1038.08.		1033.99
------	------	----------	--	---------

164+30				(11.4) ✓ 26.7
--------	--	--	--	---------------

+55				(12.2) 25.9
-----	--	--	--	-------------

3-2-45
A.B.
C.F.
C.N.

123

21.6
+3.0
200

19.6
+1.0
100

16.4
2.2
46

12.4
6.2
32

11.6
7.0
30

11.2
7.4
29-28

12.0
6.6
26

12.0
6.6
17

12.0
6.6
11

11.2
7.4
25

10.0
8.6
27-28

09.0
9.6
31

10.1
8.5
31

12.9

14.1
13.0
10.5
08.1

10.4
8.2
27

07.6
11.0
26.5

16.4
2.2
200

13.8
4.8
100

11.7
6.9
46

11.8
6.8
32

11.7
6.9
13

11.6
7.0
18

10.3
8.3
34

08.9
9.7
36

07.7
10.9
48

04.9
13.7
100

17.3
1.3
200

13.9
4.7
100

12.6
6.4
50

11.6
7.0
30

11.4
7.2
25

09.7
8.9
50

08.1
10.5
50

05.9
12.7
100

11.1
7.5

17.4
1.2
200

14.0
4.6
100

12.2
6.4
50

10.6
8.0
50

08.5
10.1
50

06.1
12.5
100

Top Of Mont. Larp. + E. Co. Line

42.3
L.O. + 4.2
176

U.S.G.S. #
39.6
+1.0
156

33.4
4.7
120

H. 19.9
29.9
8.2
100

27.6
10.5
83

24.1
14.0
61

22.4
15.7
54

26.7

42.9
+4.8
170

37.1
1.0
134

35.0
3.1
120

31.6
6.5
100

28.4
9.7
77

26.1
12.0
56

24.1
14.0
42

25.9

Sta	+	π	-	Elev
		1038.08.		
165				(13.9) ✓ 24.2

+30				(15.1) ✓ 23.0
-----	--	--	--	---------------

+25				(16.5) ✓ 21.6
-----	--	--	--	---------------

166				(17.5) ✓ 20.6
-----	--	--	--	---------------

+25				(18.5) ✓ 19.6
-----	--	--	--	---------------

+50				(19.4) ✓ 18.7
-----	--	--	--	---------------

B.M.	8.35	1042.34.	4.09	1033.99.
167				(21.3) ✓ 16.0

+25				(22.3) ✓ 20.0
-----	--	--	--	---------------

	43.4								
L.O.	+5.3	0.8	2.4	5.0	6.6	8.6	10.1		
X	170	132	120	100	84	64	47	24.2	✓

	41.5								
L.O.	+3.4	2.7	6.4	7.8	9.4	10.4	11.5		
X	175	130	100	82	61	45	41	23.0	✓

	35.3								
	2.8	5.8	8.5	10.2	13.0	14.4			
X	150	125	100	81	56	41		21.6	✓

	35.2								
	2.9	5.4	9.2	11.5	12.8	13.3			
X	150	126	100	81	61	41		20.6	✓

	38.5								
	+0.4	4.1	6.6	9.8	12.1	12.9			
X	150	120	100	77	57	39		19.6	✓

	40.8								
	+2.7	0.0	2.7	6.8	9.7	11.1			
X	150	125	100	78	56	38		18.7	✓

	42.1								
	0.2	1.5	3.4	6.5	8.8	10.2			
X	150	125	100	77	60	42		21.0	✓

	41.3								
	1.0	1.9	2.7	4.9	7.5	9.7			
X	150	125	100	80	64	42		20.0	✓

Sta. + π - Elev

1042.34.

167+60

(23.7) ✓ 18.6

168

(25.9) ✓ 16.4

+50

(28.0) ✓ 14.3

169

(29.7) ✓ 12.6

+50

(31.0) ✓ 11.3

170

(31.4) ✓ 10.9

+50

(29.9) ✓ 12.4

171

(28.2) ✓ 14.1

B.M.

2.69

1036.68.

8.35

1033.99.

X 40.5
1.8 2.0 2.8 4.4 6.8 8.8
150 130 100 80 66 41

18.6

X 39.8
2.5 2.5 3.3 5.0 6.5 7.5
150 125 100 81 64 40

16.4

X 37.9
4.4 4.8 6.7 7.1
100 82 63 37

14.3

X 36.2
6.1 6.0 6.4 6.4 5.9
100 81 58 43 36

12.6

X 34.5
7.8 7.7 7.4 6.6
100 70 38 34

11.3

X 33.3
2.0 2.5 7.7 7.2
100 72 39 31

10.9

X 32.4
4.9 9.5 9.0 8.0
100 72 39 32

12.4

X 32.5
9.9 10.4 10.1 9.5
100 75 40 32

14.1

Sta. + π - Elev

1036.68.

171+50

(26.2) ✓ 10.5

172

(23.7) ✓ 13.0

+50

(21.1) ✓ 15.7

173

(17.9) ✓

+43

(14.7) ✓

+57

(13.6) ✓

+74

(12.5) ✓

B.M.

2.69

1033.99.

3-7-45

126

A.B.

C.F.

C.N.

✓	30.1	31.7	5.0	100
	31.0	32.2	4.5	80
	32.1	31.8	4.9	61
	32.5	31.9	4.8	42
		31.5	4.5	34
		31.9		

10.5

✓

✓	30.1	31.0	6.4	200
	31.0	32.1	5.7	150
	32.1	32.5	4.6	100
	32.5	31.9	4.2	81
		31.5	4.8	64
		31.9	5.2	45
			4.8	41

13.0

✓

✓	31.5	32.0	5.2	200
	32.0	32.1	4.7	150
	32.1	32.1	4.6	100
	32.1	31.7	4.6	80
	31.7	31.7	5.0	62
			5.0	45

15.6

✓

✓	31.1	31.1	5.6	200
	31.1	30.8	5.4	150
	30.8	30.8	5.9	100
	30.8	30.1	5.9	83
	30.1	30.0	6.6	62
	30.0		6.7	45

18.8

✓

✓	29.7	29.9	7.0	200
	29.9	29.3	6.8	150
	29.3	28.8	7.4	100
	28.8	27.8	7.9	78
	27.8	27.6	8.9	58
	27.6		9.1	45

22.0

✓

✓	29.5	29.4	7.2	200
	29.4	29.1	7.3	150
	29.1	28.3	7.6	100
	28.3	26.6	8.4	81
	26.6		10.1	60

23.1

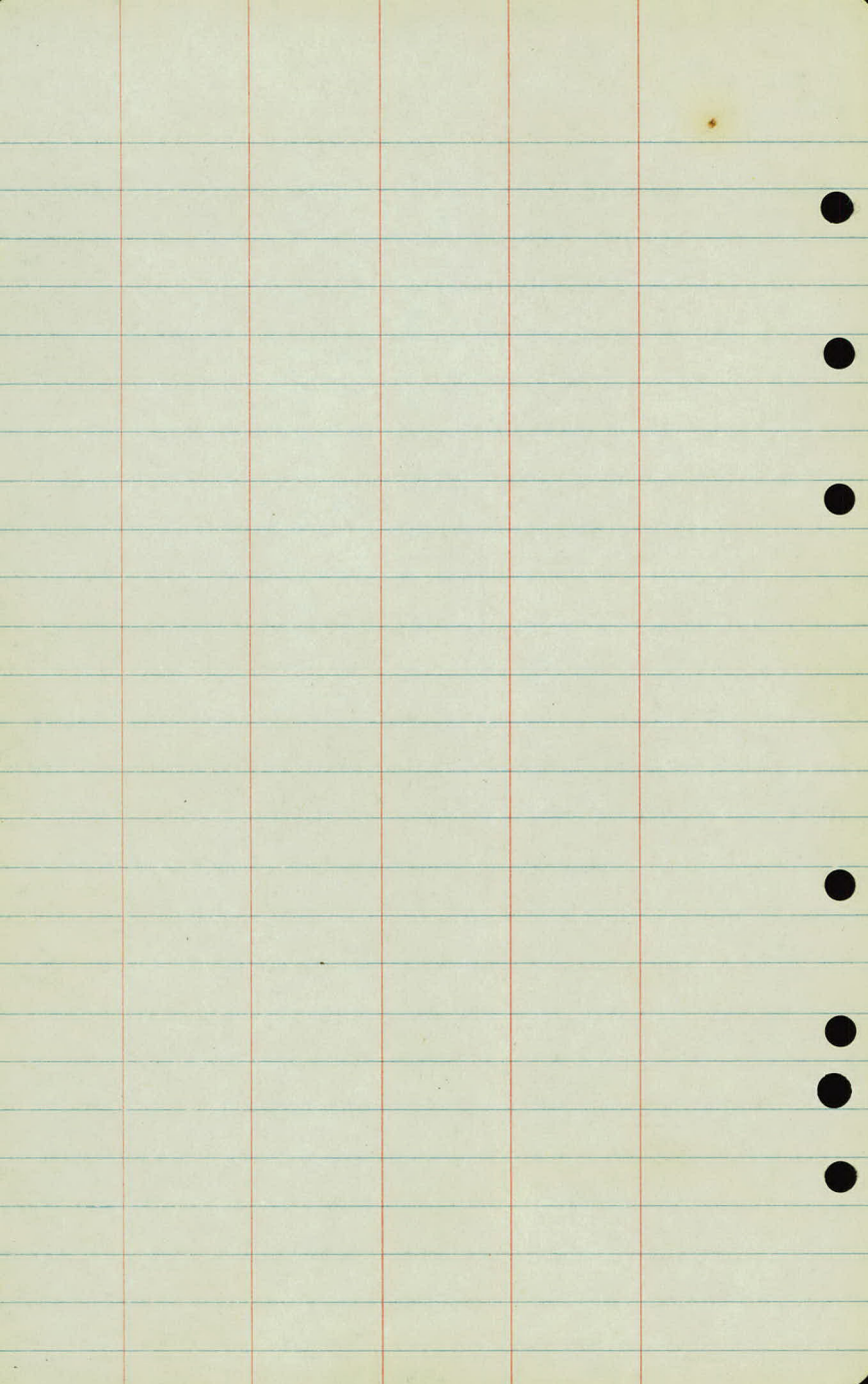
✓

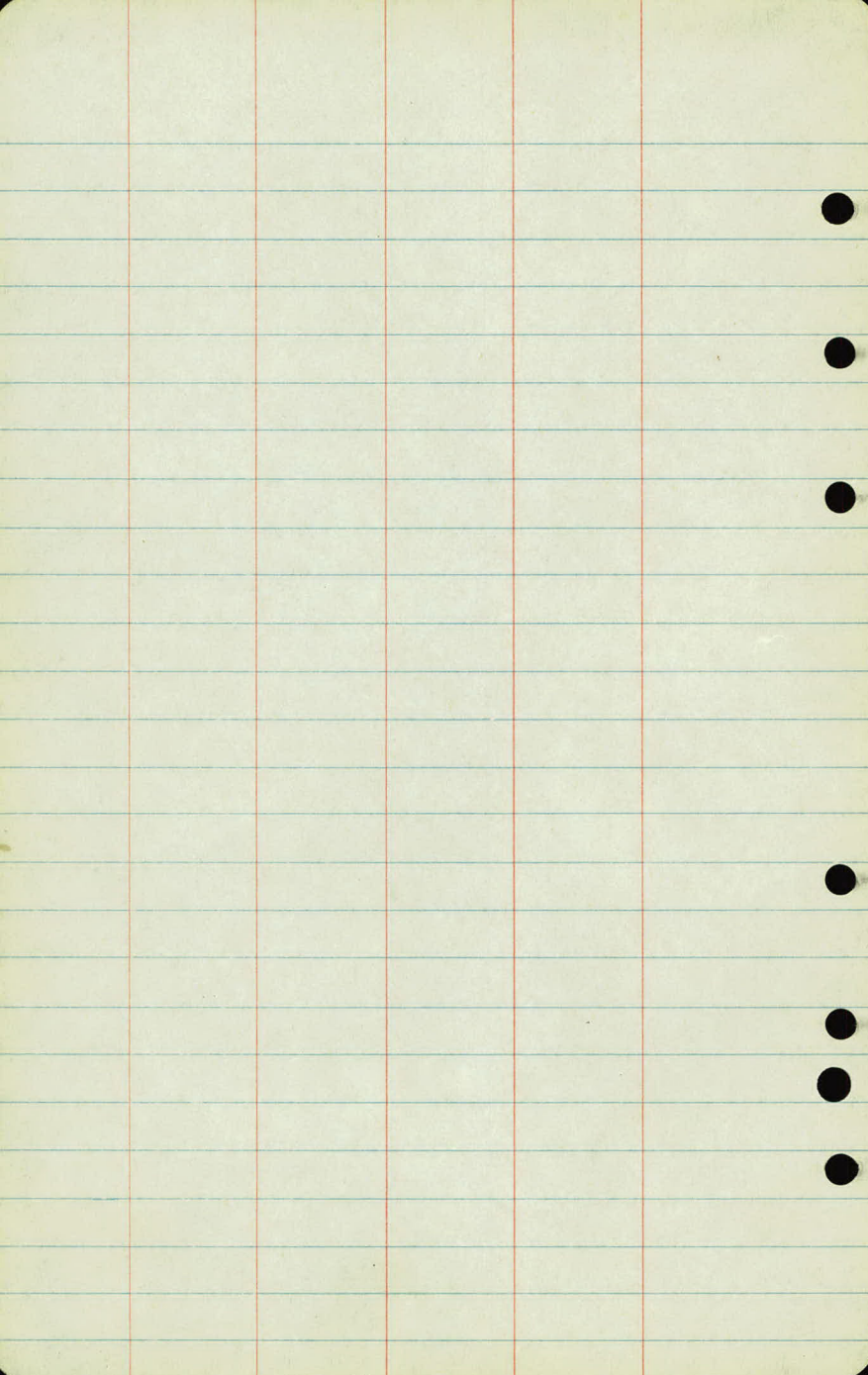
✓	29.2	29.4	7.5	200
	29.4	28.7	7.3	150
	28.7	28.5	8.0	100
	28.5	27.7	8.2	89
	27.7	26.6	9.0	70
	26.6		10.1	57

24.2

✓

The End





Bench Levels

Sta	+	π	-	Elev	
BM-63	2.155	901.39			(899.233)
	4.45	903.52	2.32	899.07	
	5.53	903.76	5.29	898.23	
	4.56	902.22	6.10	897.66	
	0.73	891.21	11.74	890.48	
BM.	6.96	893.86	4.31	886.90	(886.88)
	6.17 $\frac{1}{2}$	898.71 $\frac{1}{2}$	1.32	892.54	
	7.04	901.74	4.01	894.70	
	7.90	906.45	3.19	898.55	
	7.96	912.90	1.51	904.94	
BM.			4.04 $\frac{1}{2}$	908.86	(908.81)
	8.95	921.45	0.40	912.50	
BM.	4.42	925.77	0.10 $\frac{1}{2}$	921.350	(921.30)
	6.80 $\frac{1}{2}$	920.68 $\frac{1}{2}$	11.89	913.88	
	13.40 $\frac{1}{2}$	933.71	0.38	920.30	
BM.	13.62	947.28	0.05	933.66	(933.60)
	9.89 $\pm$	957.16	0.01	947.27	
	10.9 $\frac{1}{2}$	949.90 $\frac{1}{2}$	8.35	948.81	
			10.26 $\frac{1}{2}$	939.64	(939.56)

Windy 3-17-45
K.A.
C.F.
C.M.

129

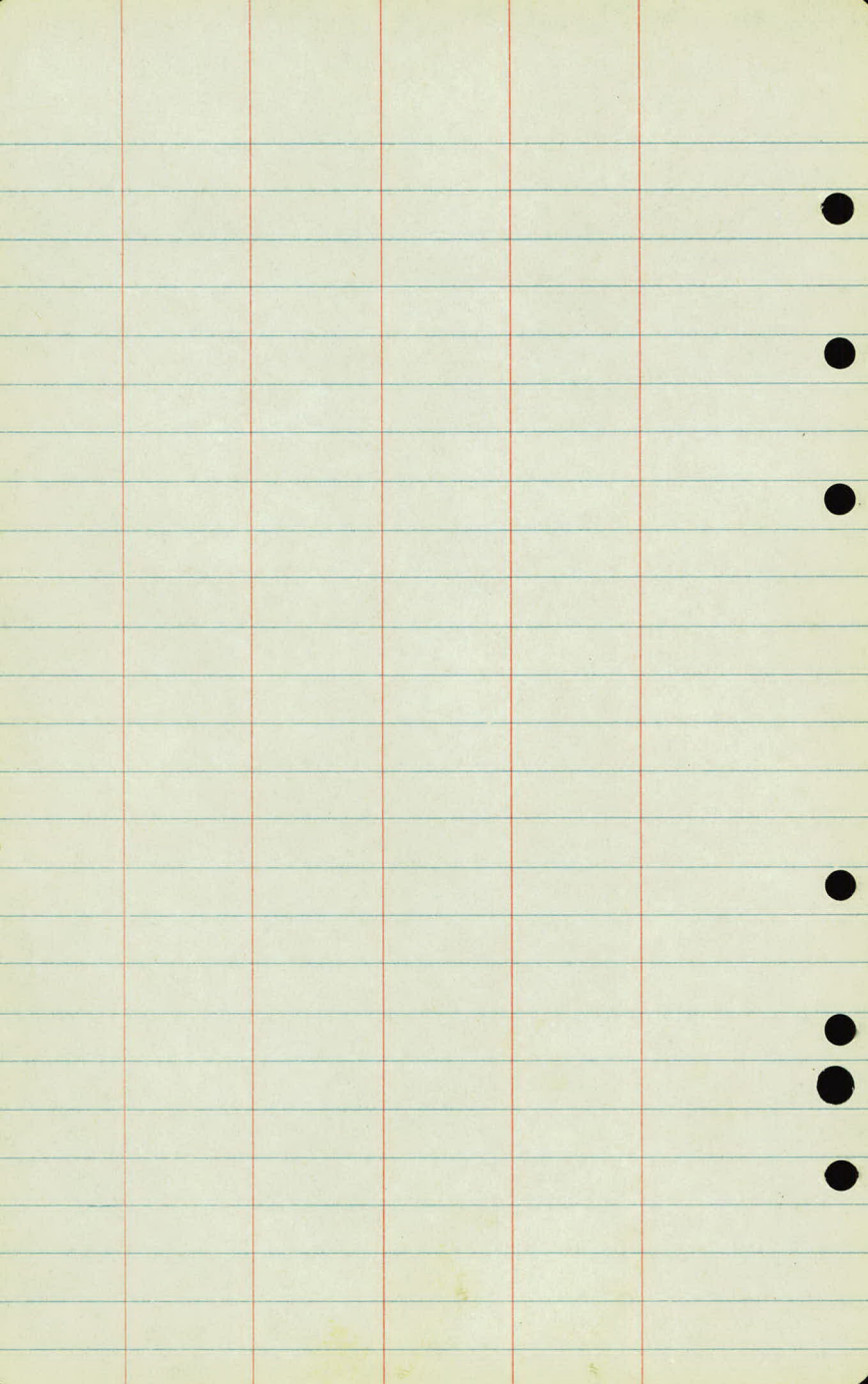
Description
at Gladstone

Top N End Door Sill Front of Ho. S.W. Cor. English & Larp.

Spt in 20' O. 49' R. sta. 36193

Spt in 15" Scrub Oak S.W. Cor. Magnolia Ave. & Larp.

S.E. Cor. Mon. at Kennard & Larp.



Bench Levels

1st set run

Sta	+	-	Elev	
B.M.	0.48	899.54.		(899.06)
T.P.	0.08	886.01.	13.61	885.93.
T.P.	0.21	873.59.	12.63	873.38.
B.M.	5.11	867.96.	10.74	862.85.
T.P.	5.74	868.42.	5.28	862.68.
T.P.	4.49	868.25.	4.66	863.76.
T.P.	6.14	869.57.	4.82	863.43.
T.P.	6.96	872.48.	4.05	865.52.
T.P.	13.80	861.23.	5.05	867.43.
T.P.	11.90	892.53.	0.60	880.63.
B.M.			9.39	883.14. (883.24)
T.P.	3.33	890.26.	5.60	886.93.
T.P.	1.49	879.84.	11.91	878.35.
T.P.	10.97	890.22.	0.59	879.25.
B.M.			3.48	886.74. (886.88)
T.P.	13.73	900.58.	3.37	886.85.
T.P.	5.91	903.24.	3.25	897.33.
T.P.	5.53	903.31.	5.46	897.78.
B.M.			4.24	899.07. (899.233)
B.M.	8.79	895.53.		886.74. (886.88)
T.P.	6.68	899.51.	2.70	892.83.
T.P.	7.40	903.65.	3.26	896.25.
T.P.	7.27	907.43.	3.49	900.16.
B.M.	10.29	912.43.	5.29	902.14. (902.28)

11-13-44

131

Description

Top S. End Conc Pump Stand at Fill Sta Az. &
Grade

Elev Marker on Keller Dam ^{Lake Imp. =} (862.91 on marker)

Top Iron @ Carpentier Ave & E. Shore Drive

^(Corp. + English)
Top N End Wood Door Sill Front of Ho. at 1679 English St.

B.M. - G-3

Top N End Wood Door Sill front of Ho. at 1679 English St.

RR Spk 117-12" 0 et

Sto	+	Δ	-	Elev	
		912.43			
B.M.			3.70	908.731	(908.84)
T.P.	13.24	923.13	2.54	909.89	
B.M.			1.90	921.23	(921.39)
T.P.	2.32	921.42	4.03	919.10	
✓	13.67	927.16	7.93	913.49	
✓	13.77	940.79	0.14	927.02	
B.M.			7.27	933.52	(933.60)
T.P.	13.58	954.09	0.28	940.51	
✓	0.18	951.62	2.65	951.44	
B.M.	13.75	953.13	12.24	939.38	(939.57)
T.P.	3.99	955.835	1.285	951.845	
B.M.			3.62	952.215	952.387
B.M.	1.56	900.79			899.233
T.P.	7.30	901.19	6.90	893.89	
✓	4.23	900.95	4.47	896.72	
✓	9.35	907.67	2.63	898.32	
B.M.	0.37	906.59	1.45	906.22	(906.25)
T.P.	0.09	893.13	13.55	893.04	
✓	3.41	895.95	0.59	892.54	
✓	0.28	889.20	7.03	888.92	
✓	3.54	887.53	5.21	883.99	
✓	12.23	899.68	0.08	887.45	
B.M.			0.69	898.99	(899.06)

11-14-44

132

Description

R.R. Spk. in 20" O. 49 ft. sta 36+93

R.R. Spk. in 16" Scrub Oak ^{42" Lt. sta 45+23} SW Cor. Prosperity & Larp.

S.E. Cor. Mon. & Larp. + Kennard

Mon. & Larp. + White Bear Ave

U.S.C. + G.C.S. Mon. # 91

U.S.C. + G.C.S. Mon. # 91.

387
213
172
939.38
939.55

B.M. G.3

Top of Bolt Cen. Sec. 16-29-22

Nail in 24" Oak N.E. Cor. #7 Tee

Top S End Cong. Pump stand at Fill. Sta A² + Arcade St

Sta	+	-	Elev
B.M.	1306	952.61	(939.55)
T.P.	1117	963.16	0.62 951.99
T.P.	1355	976.59	0.12 963.04
T.P.	1378	989.59	0.78 975.81
T.P.			983.08
T.P.		643	985.16
T.P.			987.49
T.P.	221	987.72	2.02 987.72
		996.56	984.59
T.P.	11.97	996.64	5.11 996.67
		1009.09	996.26
T.P.	12.83	1009.17	0.30 996.34
			999.78
B.M.		931	999.86
		1019.69	1008.59
T.P.	11.10	1019.77	0.50 1008.67
		1031.47	1019.19
T.P.	12.28	1031.55	0.50 1019.27
			1027.12
B.M.		435	1027.20
		1028.91	1024.13
T.P.	4.78	1028.99	7.34 1024.21
		1026.05	1022.82
B.M.	3.23	1026.13	6.09 1022.90
		1031.88	1025.15
T.P.	6.73	1031.96	0.90 1025.23
		1020.26	1019.27
T.P.	0.99	1020.34	12.61 1019.35
		1017.54	1013.65
T.P.	3.89	1017.62	6.61 1013.73
		1017.25	1013.11
B.M.	4.14	1017.33	4.43 1013.19
		1007.20	1005.67
T.P.	1.53	1007.28	11.58 1005.75
			1003.15
B.M.		405	1003.23
		1004.74	996.37
T.P.	8.37	1004.82	10.83 996.45
		1012.32	1003.48
T.P.	8.84	1012.40	1.26 1003.56
			1007.72
B.M.		460	1007.80
		1022.09	1008.56
T.P.	13.53	1022.17	376 1008.64
		1034.91	1022.00
T.P.	12.91	1034.97	0.09 1022.08
			1034.07
B.M. - H1		0.92	1033.99



Lower Elev: 00'



11-16-44

133

Description

Top Mont. White Bear Ave. + Carpenter Ave.

Top Mont. at Hazel St. & Larp. Ave. (High Point)

Spike 24" Coff. S.W. Cor. Ruth St. & Larp. Ave. (60 penny spl.)

Spl. in 4" O. rt. sta. = S.E. Cor. Larp. & { S.W. Ent. to Millcrest Golf Course

(platform)
Top S.W. Cor. Top Step Ent. to Store. East & Larp. Ave's.

Spl. in 24" O. 47 rt. sta. 141 Spruce 1000 E. of East Ave.

P.R. Spl. 60" Coff. at Sterling & Larp. Ave's.

P.R. Spl. in 24" O. 1370 W. & 40' S. of E. Set line + Larp. rt. sta.

	+	+	-	Elev
		1034.99		
T.P	0.69	1024.77	10.91	1024.08.
T.P	0.12	1011.26	13.63	1011.14
	0.33	999.11	12.48	998.78.
T.P	8.12	994.19	13.04	986.07.
		1006.34		
T.P	13.26	906.34	1.11	993.08.
		1018.14		1005.48
T.P	12.66	918.14	0.86	905.48.
		1030.96		1017.39
TP	13.57	930.96	0.75	917.39
				1030.75
B.M. H3			0.21	930.75
				1030.93

Lt

Q

Pt

Check Levels

Sta.	+	π	-	Elev
B.M.	4.335	891.075		886.74
T.P.	13.25	902.975	1.35	889.725
T.P.	6.17	903.65	5.495	897.480
T.P.	4.98	903.205	5.425	898.225
T.P.	2.34	901.355	4.19	899.015
B.M.-G-3			2.28	899.075
				899.233

9-17-44

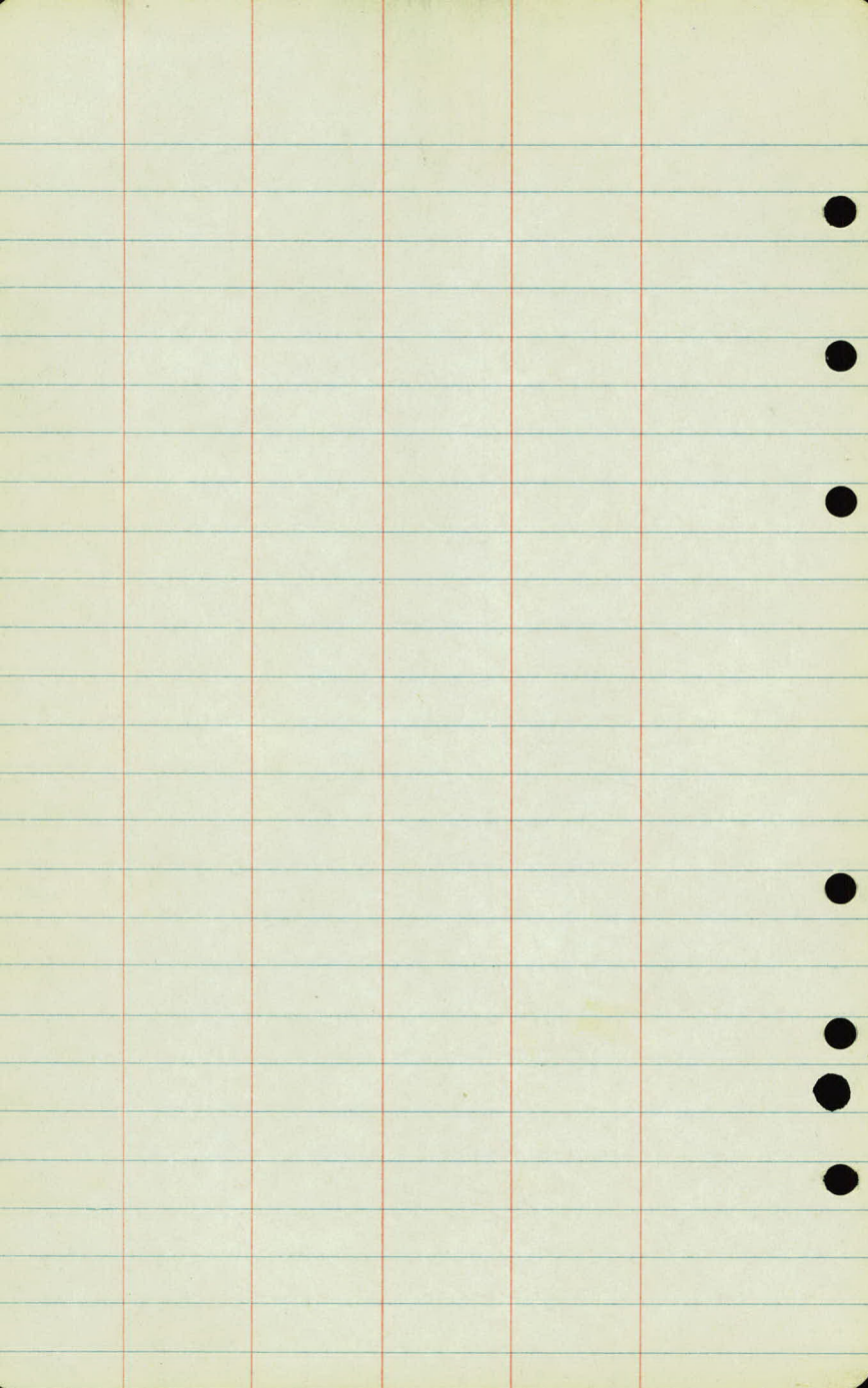
135

Lt

E

Bt

Top N Edge Door Sill Front of Ho. 1679 English St.



Lt

E

Rt

Bench Levels

White Bear Larp. to
English & Larp. Ave.

Sta.	+	π	-	Elev.
B.M.	0.94	953.327		952.387
T.P.			8.73	944.59
B.M.	1.61	946.20	6.54	939.66
T.P.	10.31	949.97	1.14	948.83
T.P.	8.50	957.33	9.63	947.70
T.P.	0.23	947.93	9.47	938.46
B.M.	2.71	940.57	6.88	933.69
T.P.	0.20	933.89	13.06	920.83
T.P.	0.16	920.99	5.49	915.50
T.P.	6.46	921.96	1.40	920.56
B.M.	6.89	927.45	6.06	921.39
T.P.	0.27	921.66	8.72	912.94
B.M.	0.18	913.12	4.22	908.90
T.P.	0.90	909.80	8.55	901.25
T.P.	3.54	904.79	6.92	897.87
T.P.	3.15	901.02	6.32	894.70
T.P.	4.76	899.46	6.01	893.45
T.P.	4.44	897.89	7.30	890.59
B.M.	1.25	891.84	4.925	886.715

It.

#

Rt.

Mon. Cor White Bear & Larp.

Mon. Cent. of Kennard & Larp

R.R. spk in 16" scrub oak. S.W. cor Prosperity & Larp.

R.R. spk in 20" oak 49' Rt Sta. 36+93

Nail in Pole North of R.R. Sign

Top N End of door sill Front of Hb at English & Larp.

Sta + π - Elev.

check Levels

Bench Levels

A2 & Arcade to Gladstone

Sta	+	-	Elev	
B.M.	0.25	899.31		(899.06)
	0.91	887.665	12.555	886.755
	3.57	885.765	5.47	882.195
	0.08	873.67	12.175	873.59
B.M.	5.13	868.00	10.80	862.87 (862.88)
	5.43	868.38	5.05	862.95
	5.46	869.09	4.75	863.63
	5.19	868.51.5	5.765	863.325
	6.01	869.975	4.55	863.965
	7.275	872.84	4.41	865.565
	7.17	874.415	5.595	867.245
	12.725	886.54	0.60	873.815
B.M.	10.185	893.395	3.33	883.21 (883.28)
	4.77	889.27	8.895	884.50
	0.95	879.26	10.96	878.31
	12.33	890.38	1.21	878.05
B.M.			3.63	886.75 (886.87)
	8.09	894.20	4.27	886.11
	9.64	903.35	0.49	893.71
	4.97	903.49	4.83	898.52
	5.065	903.025	5.53	897.96
	2.74	901.365	4.40	898.625
B.M.			2.265	899.10 (899.233)

chk by K. A.

Anker X 1-2-45 Zero to 10' below.
Fewer Rod

139

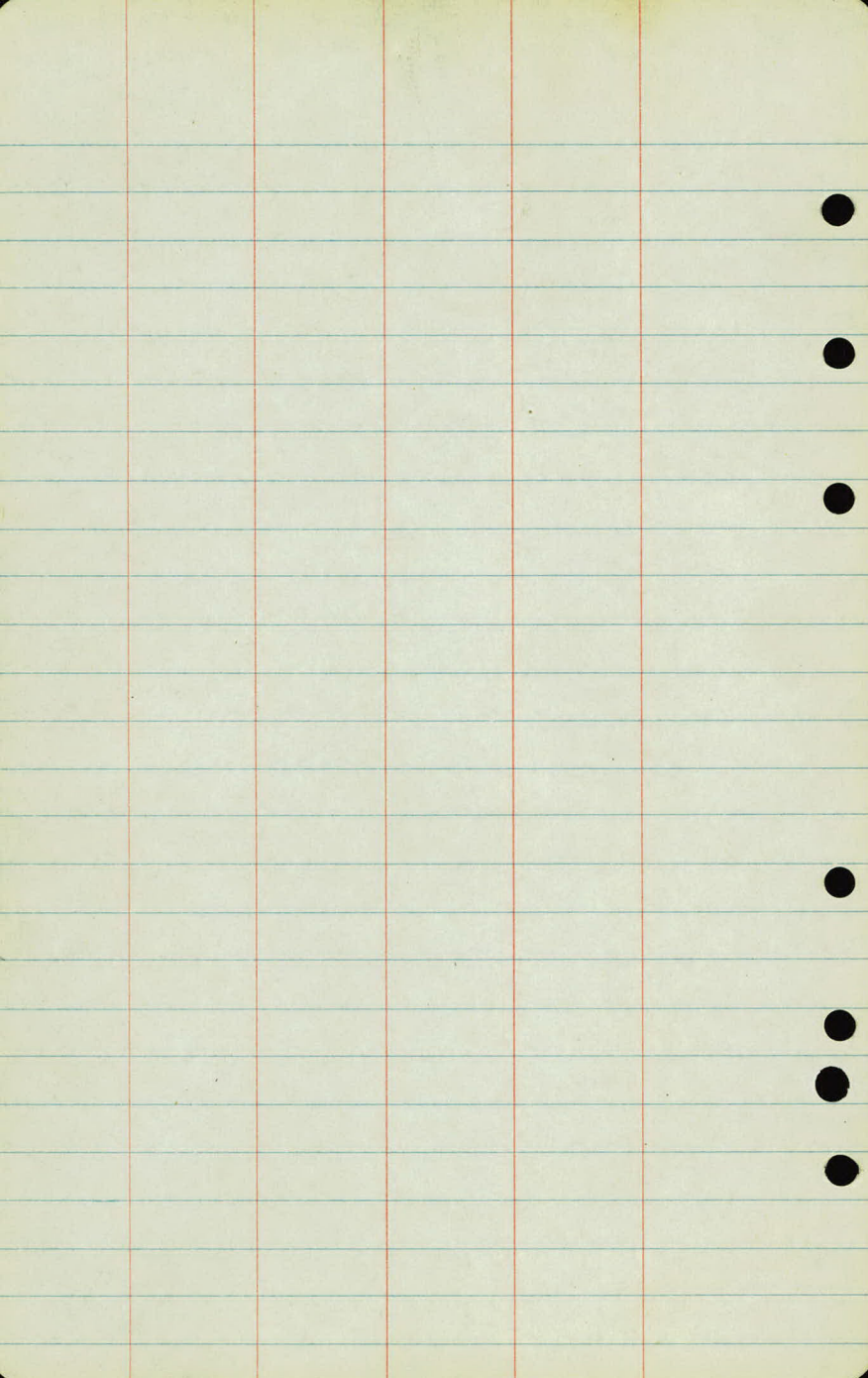
Description

Top S End Concrete Pump Stand at Fill Sta A² & Arcade.

Elev. Marker on Keller Dam

Top Iron & Larp & E. Shore Drive

Top N. End Wood Door Sill Front of Ho. at 1679 English St. at Larp.

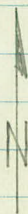


BEEBE RD.

X Sections

ctr. of chimney

Beebe Rd.



Larpenfeur

0+00

Ave.

54501

Sta.	+	π	-	E/GK
B.M.	2.35	914.25		911.90
0 +00				11.90
+20				10.85 ✓
+50				08.95 ✓
1				07.05 ✓
+53				06.85 ✓
2				07.15 ✓
+50				07.55 ✓
3				08.15 ✓

8-2845
K.D.
C.F.
C.V.

141

LT.

E

RT.

Esto. 105400

2.35

911.0 911.1 910.6 911.0 910.9 910.2 910.4 909.5
33 32 37 33 34 41 39 48 ✓
50 21 19 7 17 19 50

11.2 09.5 08.4 07.0 07.1 08.5
31 48 59 70 72 58
50 38 24 22 14 11

08.0 08.3 04.2 02.1
53 60 101 122 ✓
10 18 50

14.0 10.8 08.5 06.2 06.0 05.5 06.9 07.1 06.1 04.2 03.3 02.8
03 35 58 81 83 88 88 74 11 72 76 101 110 115 ✓
50 38 23 21 17 16 14 10 11 17 31 50

12.6 10.3 07.1 06.3 05.9 05.3 FL. 15" CM 05.6 05.1 05.9 05.9 06.5 FL. 15" CM 04.7 04.8 04.1 03.8
1.7 43 72 80 84 90 87 92 74 74 78 96 95 102 105
50 40 24 23 18 17 13 28 10 14 16 17 30 50 ✓

12.5 08.3 06.2 06.3 05.6 07.2
1.8 60 76 80 87 71
50 36 23 17 16-13 10

07.2 06.6 04.1 04.2 05.2
71 77 96 101 91 ✓
13 15 28 50

10.1 07.1 07.0 06.6 07.3 07.5 07.6 07.3 06.9 05.5 05.8 07.0
42 66 73 77 70 68 67 70 74 88 85 73
50 26 17 16-13 11 9 11 13 15 35 50 ✓

11.7 10.0 08.7 07.1 08.2 07.2 07.6 06.5 06.0 06.9 07.6
26 43 56 66 61 67 78 83 74 67 ✓
50 38 17 15-13 12 13 15 28 37 50

Sta	+	π	-	Elev.
		914.25		

+50

08.85 ✓

1

10.35 ✓

T.P.

7.90

921.84

0.31

913.94

T.P.

15.20

934.35

2.69

919.15

+50

12.05 ✓

5

14.95 ✓

+35

17.45 ✓

+70

20.35 ✓

22.85 ✓

+35

25.55

Lt.

E

Rt

12.5 10.4 09.3 08.6 09.0 08.9 08.5 06.4 07.5 08.1
 5.5, 1.8 39 50 57 53 54 58 79 68 56
 40 30 17 16-13 9 13 17 38 50 ✓

11.9 10.2 09.4 10.2 10.4 09.8 09.1 07.2 07.1 13.5
 2.4 4.1 49 41 39 45 62 71 66 48
 33 17 16-14 10 12 15 24 38 50 ✓

Nail in T.P. rt. sta 34
 13.9 11.9 11.1 10.6 11.2 12.0 12.1 11.7 09.2 08.3 09.2
 20.5 22.5 23.3 23.8 23.2 22.4 22.3 22.7 25.2 24.1 25.2
 50 34 19 18-16 14 10 12 17 27 50 ✓

16.0 14.2 13.7 13.0 13.9
 20.5
 184 202 207 214 55
 50 34 28 15 12

15.0 14.7 13.3 10.7 10.4
 194 197 221 237 240
 13 20 33 50
 126-PP-16 ✓

17.5 16.0 15.4 17.0 17.4 17.5 17.1 16.6 15.2 14.6 14.6
 169 184 190 174 170 169 167 178 192 198 19.8
 50 29 17 14 11 13 16 21 33 50

19.9 20.0 19.9 18.7 19.8 20.1 20.4 20.3 20.2 21.9
 145 144 145 157 146 145 140 141 142 125
 50 26 21 17 14 11 10 24 50 ✓

23.7 25.3 21.5 22.4 22.8 22.9
 107 91 129 120 116 115
 50 25 17 14 12

22.8 22.5 24.8 25.2 26.1
 116 119 96 92 77.5
 11 19 23 34 50

135-Ent 12' x 20' EM-18

22.6 28.0 20.1 21.0 25.7 25.6 25.8 26.3 29.1 30.7 32.4
 68 64 63 74 96 87 88 86 81 53 37 20
 75 50 34 25 17-14 12 11 19 23 50 68 ✓

Stg	+	π	-	Elev	
		934.35			
6	+75			28.05	✓
7				29.25	✓
	+25			30.25	✓
	+55			30.75	✓
8				29.65	✓
T.P.	7.27	935.28	6.34	928.01	
	+25			28.58	✓
	+65			26.98	✓
9				25.48	✓

8-28-40

143

Lt.

E

Rt.

+58-Fc. Cor. 18' N & W

Fc. Cor. 15' N & E

Wood. Fence. 1 ft.

+58-PP-

28.9	28.0	29.4	30.2	28.1	27.8	28.1	28.1	28.2	28.9	30.7	32.5	35.1	✓ 33.4
55	64	50	42	63	66	63	63	62	45	37	19	107	L.O.
65	45	25	20	15	10			9	18	20	38	65	

28.9	27.4	29.7	30.2	29.1	29.0	29.3	29.3	30.0	31.4	32.6	34.6	35.7	
5.5	70	47	42	53	54	51	51	44	30	18	102	113	L.O.
65	37	23	21	11			9	16	21	46	65	76	✓

29.2	30.4	30.5	29.7	29.5	30.0	30.3	30.6	29.5	31.0	33.6	
L.O.	52	40	39	47	49	44	41	42	45	34	08
65	43	24	21	12	11		8	24	55	75	✓

30.8	31.9	32.4	31.8	30.5	30.3	30.8	30.8	30.6	29.8	30.2	✓ 33.1
36	25	20	26	29	41	36	36	38	46	42	33
73	60	45	23	19	12		6	9	13	50	75

32.9	31.9	30.6	30.2	28.9	28.4	28.7	29.2	29.7	29.8	29.3	29.6	29.4	29.7	27.2
35	25	38	42	55	60	51	52	47	46	51	46	40	41	72
75	56	35	22	20	16	14	11	9	11	20	29	50	72	✓

Top Fc. Cor.

32.1	30.1	27.5	28.3	28.6	28.6	27.8	27.6	27.6	26.6
32	52	78	70	67	67	75	77	77	87
50	20	17	15	12	9	11	19	40	50

29.8	32.4	31.0	30.1	24.5	26.6	27.0	27.0	26.7	25.7	24.4	23.0	21.0
5.5	29	43	52	88	87	83	83	86	96	109	123	143
50	36	21	17	12		6	10	14		16	29	50

31.9	30.1	29.6	27.5	24.8	25.5	25.5	25.4	26.3	27.6	20.5	20.3	
55	34	52	57	78	105	98	98	99	100	126	148	150
50	35	25	21		10	14	11	7	11	18	36	60

FC-20

Cont. N.

+13-Fc. Cor. 12' S & E
Parking Area

Sta	+	π	-	Elev	
		935.28			
9 H18				24.58	✓
+50				23.28	
10				22.68	
+02				22.68	
+02 = Top Conc. Loading Platform					24.68
T.P.	0.44	922.12	13.60	921.68	
B.M.			10.21	911.91	(911.90)

L.F.

E

R.F.

44	6.9	9.9	11.0	11.2	10.7	11.5	11.1	12.1	12.2
30.9	28.4	25.4	24.3	24.1	24.6	23.8	24.2	23.2	23.1
50	26	21	20	14	11	8	9	21	50

✓

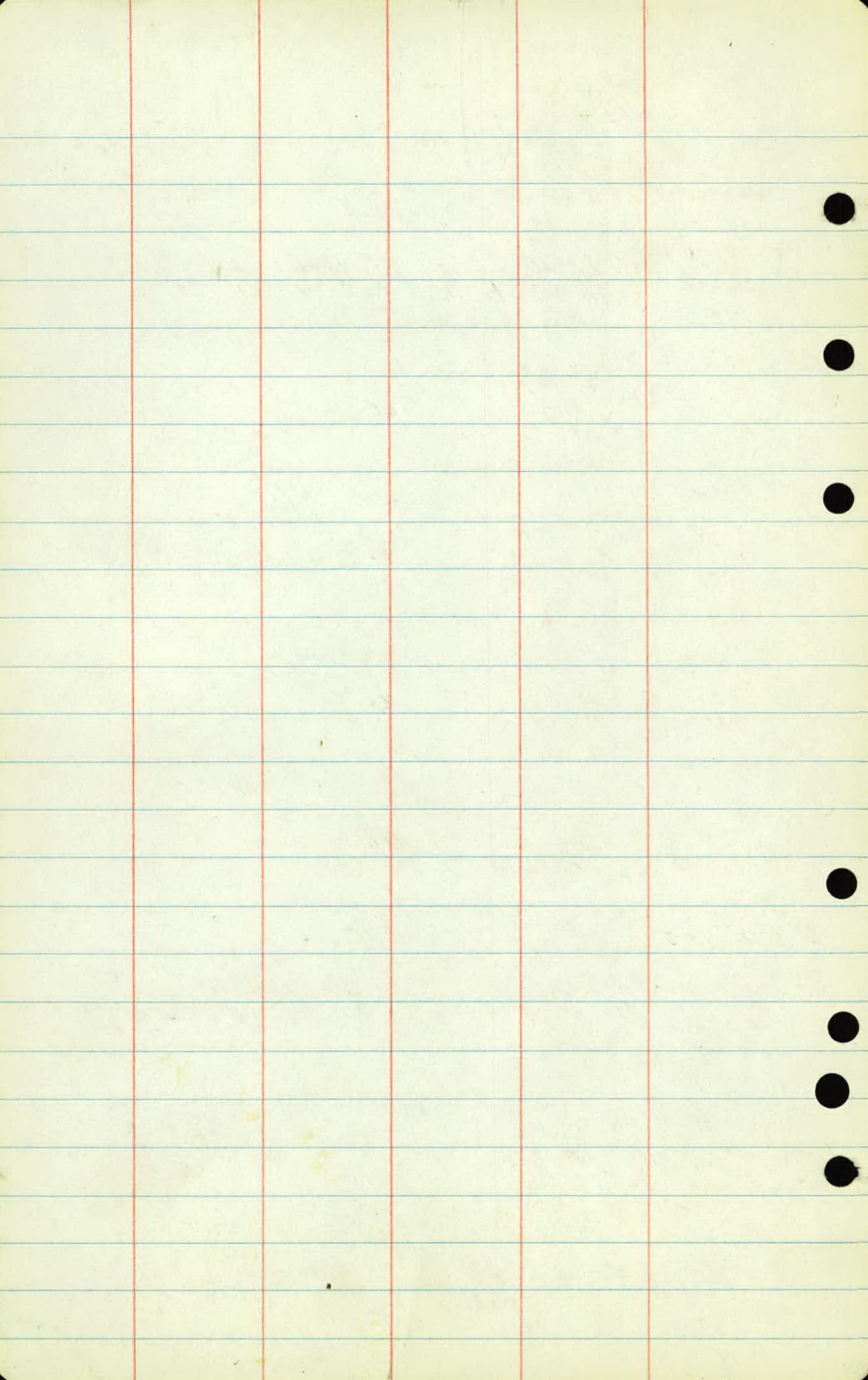
23.3
120

22.7
126

22.7
126

24.7
106

E sta. 105



Additional
X Sections

Larparent Ave East
Sta 104+89 to 108+70

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

	1.50	1013.62		
--	------	---------	--	--

104+89				12.1
--------	--	--	--	------

105				11.9
-----	--	--	--	------

+33				11.0
-----	--	--	--	------

+70				10.1
-----	--	--	--	------

106				09.3
-----	--	--	--	------

+16				08.8
-----	--	--	--	------

+56				08.4
-----	--	--	--	------

+81				08.4
-----	--	--	--	------

Lt.

Q

Rt

Top & Stg 104+89

$$\begin{array}{r}
 12.1 \\
 1.5 \\
 \hline
 10.9 \\
 75 \\
 \hline
 100
 \end{array}
 \quad
 \begin{array}{r}
 102.7 \\
 10.9 \\
 75 \\
 \hline
 100
 \end{array}
 \quad
 \begin{array}{r}
 93.7 \\
 9.9 \\
 100 \\
 \hline
 103.2 \\
 10.4 \\
 150 \\
 \hline
 150
 \end{array}
 \quad \checkmark$$

100

$$\begin{array}{r}
 8.3 \\
 130 \\
 \hline
 85.3
 \end{array}
 \quad
 \begin{array}{r}
 8.2 \\
 100 \\
 \hline
 85.4
 \end{array}
 \quad
 \begin{array}{r}
 11.9 \\
 1.7 \\
 \hline
 10.2 \\
 100 \\
 \hline
 100
 \end{array}
 \quad
 \begin{array}{r}
 10.2 \\
 11.4 \\
 150 \\
 \hline
 11.9 \\
 180 \\
 \hline
 180
 \end{array}
 \quad \checkmark$$

120

$$\begin{array}{r}
 9.7 \\
 130 \\
 \hline
 903.9
 \end{array}
 \quad
 \begin{array}{r}
 9.8 \\
 100 \\
 \hline
 903.8
 \end{array}
 \quad
 \begin{array}{r}
 11.0 \\
 2.6 \\
 \hline
 10.4 \\
 100 \\
 \hline
 100
 \end{array}
 \quad
 \begin{array}{r}
 10.4 \\
 13.2 \\
 150 \\
 \hline
 10.8 \\
 150 \\
 \hline
 12.7 \\
 190 \\
 \hline
 190
 \end{array}
 \quad \checkmark$$

150

$$\begin{array}{r}
 9.2 \\
 175 \\
 \hline
 904.4
 \end{array}
 \quad
 \begin{array}{r}
 9.8 \\
 150 \\
 \hline
 903.0
 \end{array}
 \quad
 \begin{array}{r}
 10.9 \\
 100 \\
 \hline
 102.7
 \end{array}
 \quad
 \begin{array}{r}
 10.1 \\
 3.5 \\
 \hline
 10.3 \\
 100 \\
 \hline
 133
 \end{array}
 \quad
 \begin{array}{r}
 10.4 \\
 13.2 \\
 150 \\
 \hline
 10.8 \\
 150 \\
 \hline
 13.1 \\
 185 \\
 \hline
 185
 \end{array}
 \quad \checkmark$$

150

$$\begin{array}{r}
 6.9 \\
 190 \\
 \hline
 606.7
 \end{array}
 \quad
 \begin{array}{r}
 8.8 \\
 150 \\
 \hline
 804.8
 \end{array}
 \quad
 \begin{array}{r}
 11.0 \\
 100 \\
 \hline
 102.6
 \end{array}
 \quad
 \begin{array}{r}
 9.3 \\
 4.3 \\
 \hline
 10.3 \\
 100 \\
 \hline
 133
 \end{array}
 \quad
 \begin{array}{r}
 10.3 \\
 13.3 \\
 150 \\
 \hline
 10.8 \\
 150 \\
 \hline
 13.9 \\
 172
 \end{array}
 \quad
 \begin{array}{r}
 15.1 \\
 173-175 \\
 \hline
 15.1 \\
 175
 \end{array}
 \quad \checkmark$$

150

$$\begin{array}{r}
 5.5 \\
 180 \\
 \hline
 508.1
 \end{array}
 \quad
 \begin{array}{r}
 7.1 \\
 150 \\
 \hline
 706.5
 \end{array}
 \quad
 \begin{array}{r}
 9.6 \\
 108 \\
 \hline
 904.0
 \end{array}
 \quad
 \begin{array}{r}
 10.5 \\
 100 \\
 \hline
 103.1
 \end{array}
 \quad
 \begin{array}{r}
 10.0 \\
 13.6 \\
 100 \\
 \hline
 10.8 \\
 100 \\
 \hline
 138
 \end{array}
 \quad
 \begin{array}{r}
 13.8 \\
 152 \\
 \hline
 14.5 \\
 152-154
 \end{array}
 \quad
 \begin{array}{r}
 14.5 \\
 154 \\
 \hline
 14.5 \\
 154
 \end{array}
 \quad
 \begin{array}{r}
 15.1 \\
 156 \\
 \hline
 15.1 \\
 156
 \end{array}
 \quad
 \begin{array}{r}
 16.8 \\
 168 \\
 \hline
 16.8 \\
 168
 \end{array}
 \quad
 \begin{array}{r}
 18.1 \\
 181 \\
 \hline
 18.1 \\
 181
 \end{array}
 \quad
 \begin{array}{r}
 19.0 \\
 190 \\
 \hline
 19.0 \\
 190
 \end{array}
 \quad
 \begin{array}{r}
 20.0 \\
 200 \\
 \hline
 20.0 \\
 200
 \end{array}$$

$$\begin{array}{r}
 5.5 \\
 180 \\
 \hline
 508.3
 \end{array}
 \quad
 \begin{array}{r}
 6.6 \\
 150 \\
 \hline
 607.0
 \end{array}
 \quad
 \begin{array}{r}
 10.2 \\
 100 \\
 \hline
 103.4
 \end{array}
 \quad
 \begin{array}{r}
 10.4 \\
 5.2 \\
 \hline
 10.4 \\
 100 \\
 \hline
 10.4
 \end{array}
 \quad
 \begin{array}{r}
 10.9 \\
 8.7 \\
 115 \\
 \hline
 10.9 \\
 126
 \end{array}
 \quad
 \begin{array}{r}
 10.3 \\
 9.28 \\
 126 \\
 \hline
 10.3 \\
 134
 \end{array}
 \quad
 \begin{array}{r}
 10.2 \\
 8.44 \\
 146 \\
 \hline
 10.2 \\
 154
 \end{array}
 \quad
 \begin{array}{r}
 10.9 \\
 12.7 \\
 154 \\
 \hline
 10.9 \\
 200
 \end{array}
 \quad
 \begin{array}{r}
 10.0 \\
 12.6 \\
 200 \\
 \hline
 10.0 \\
 220
 \end{array}
 \quad
 \begin{array}{r}
 10.9 \\
 12.7 \\
 220 \\
 \hline
 10.9 \\
 220
 \end{array}$$

175

$$\begin{array}{r}
 8.5 \\
 180 \\
 \hline
 805.1
 \end{array}
 \quad
 \begin{array}{r}
 9.0 \\
 150 \\
 \hline
 904.6
 \end{array}
 \quad
 \begin{array}{r}
 9.8 \\
 128 \\
 \hline
 903.8
 \end{array}
 \quad
 \begin{array}{r}
 11.8 \\
 100 \\
 \hline
 101.8
 \end{array}
 \quad
 \begin{array}{r}
 10.4 \\
 5.2 \\
 \hline
 10.4 \\
 100 \\
 \hline
 10.4
 \end{array}$$

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

106490				084
--------	--	--	--	-----

107				084
-----	--	--	--	-----

+20

T.P.	545	1013.89	5.18	1008.44
------	-----	---------	------	---------

+43.37

+50

+65

+77

T.P.	10.74	1023.35	1.28	1012.61
------	-------	---------	------	---------

+100

LX

X

Rt

175

$$\begin{array}{r} 0.37 \\ 9.9 \\ \hline 180 \end{array} \quad \begin{array}{r} 0.22 \\ 11.4 \\ \hline 138 \end{array} \quad \begin{array}{r} 0.11 \\ 12.5 \\ \hline 100 \end{array} \quad \begin{array}{r} 0.84 \\ 5.5 \\ \hline \end{array} \quad \checkmark$$

175

$$\begin{array}{r} 0.34 \\ 10.2 \\ \hline 180 \end{array} \quad \begin{array}{r} 0.23 \\ 11.3 \\ \hline 142 \end{array} \quad \begin{array}{r} 0.15 \\ 12.1 \\ \hline 115 \end{array} \quad \begin{array}{r} 0.37 \\ 9.9 \\ \hline 100 \end{array} \quad \begin{array}{r} 0.84 \\ 5.2 \\ \hline \end{array} \quad \checkmark$$

150

$$\begin{array}{r} 0.52 \\ 8.4 \\ \hline 180 \end{array} \quad \begin{array}{r} 0.38 \\ 9.8 \\ \hline 128 \end{array} \quad \begin{array}{r} 0.08 \\ 12.8 \\ \hline 115 \end{array} \quad \begin{array}{r} 0.84 \\ 5.2 \\ \hline \end{array} \quad \checkmark$$

150

150

$$\begin{array}{r} 0.09 \\ 13.0 \\ \hline 150 \end{array} \quad \begin{array}{r} 0.07 \\ 13.2 \\ \hline 100 \end{array} \quad \begin{array}{r} 5.6 \\ 5.6 \\ \hline \end{array} \quad \begin{array}{r} 0.84 \\ 5.5 \\ \hline 100 \end{array} \quad \begin{array}{r} 0.84 \\ 5.5 \\ \hline 132 \end{array} \quad \begin{array}{r} 0.75 \\ 6.4 \\ \hline 155 \end{array} \quad \checkmark$$

5.6 W.R.

5.57 E.R.

150

150

$$\begin{array}{r} 0.09 \\ 13.0 \\ \hline 150 \end{array} \quad \begin{array}{r} 0.07 \\ 13.2 \\ \hline 100 \end{array} \quad \begin{array}{r} 0.84 \\ 5.4 \\ \hline \end{array} \quad \begin{array}{r} 0.84 \\ 4.0 \\ \hline 108 \end{array} \quad \begin{array}{r} 0.84 \\ 4.7 \\ \hline 138 \end{array} \quad \begin{array}{r} 0.84 \\ 5.1 \\ \hline 155 \end{array} \quad \checkmark$$

150

150

$$\begin{array}{r} 0.13 \\ 12.6 \\ \hline 180 \end{array} \quad \begin{array}{r} 0.14 \\ 12.5 \\ \hline 130 \end{array} \quad \begin{array}{r} 0.13 \\ 12.6 \\ \hline 100 \end{array} \quad \begin{array}{r} 0.99 \\ 4.0 \\ \hline \end{array} \quad \begin{array}{r} 11.9 \\ 2.0 \\ \hline 100 \end{array} \quad \begin{array}{r} 12.5 \\ 1.4 \\ \hline 107 \end{array} \quad \begin{array}{r} 11.6 \\ 2.3 \\ \hline 150 \end{array} \quad \checkmark$$

150

$$\begin{array}{r} 0.8 \\ 3.1 \\ \hline \end{array}$$

$$\begin{array}{r} 12.9 \\ 1.0 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 12.2 \\ 1.7 \\ \hline 155 \end{array}$$

100

Sta + Δ - Elev

1023.35

108

+11

+41

+56.88

+70

Lt

X

Rt

$$\begin{array}{r} 104.8 \\ 18.6 \\ \hline 126 \end{array}$$

$$\begin{array}{r} 106.1 \\ 17.3 \\ \hline 123.4 \end{array}$$

$$\begin{array}{r} 108.8 \\ 14.6 \\ \hline 119 \end{array}$$

$$\begin{array}{r} 109.8 \\ 13.6 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 12.7 \\ 10.7 \\ \hline \end{array}$$

$$\begin{array}{r} 13.9 \\ 9.5 \\ \hline 100 \end{array}$$

$$\begin{array}{r} \text{FLY G. 21.40} \\ 9.5 \\ \hline 114 \end{array}$$

$$\begin{array}{r} 13.9 \\ 9.5 \\ \hline 150 \end{array}$$

150

100

$$\begin{array}{r} 15.8 \\ 7.6 \\ \hline \end{array}$$

$$\begin{array}{r} 14.1 \\ 9.3 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 14.3 \\ 9.1 \\ \hline 118 \end{array}$$

$$\begin{array}{r} 12.7 \\ 10.7 \\ \hline 153 \end{array}$$

100

100

$$\begin{array}{r} 16.7 \\ 65 \end{array}$$

$$\begin{array}{r} 14.7 \\ 8.7 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 14.8 \\ 8.6 \\ \hline 113 \end{array}$$

$$\begin{array}{r} 13.8 \\ 9.6 \\ \hline 150 \end{array}$$

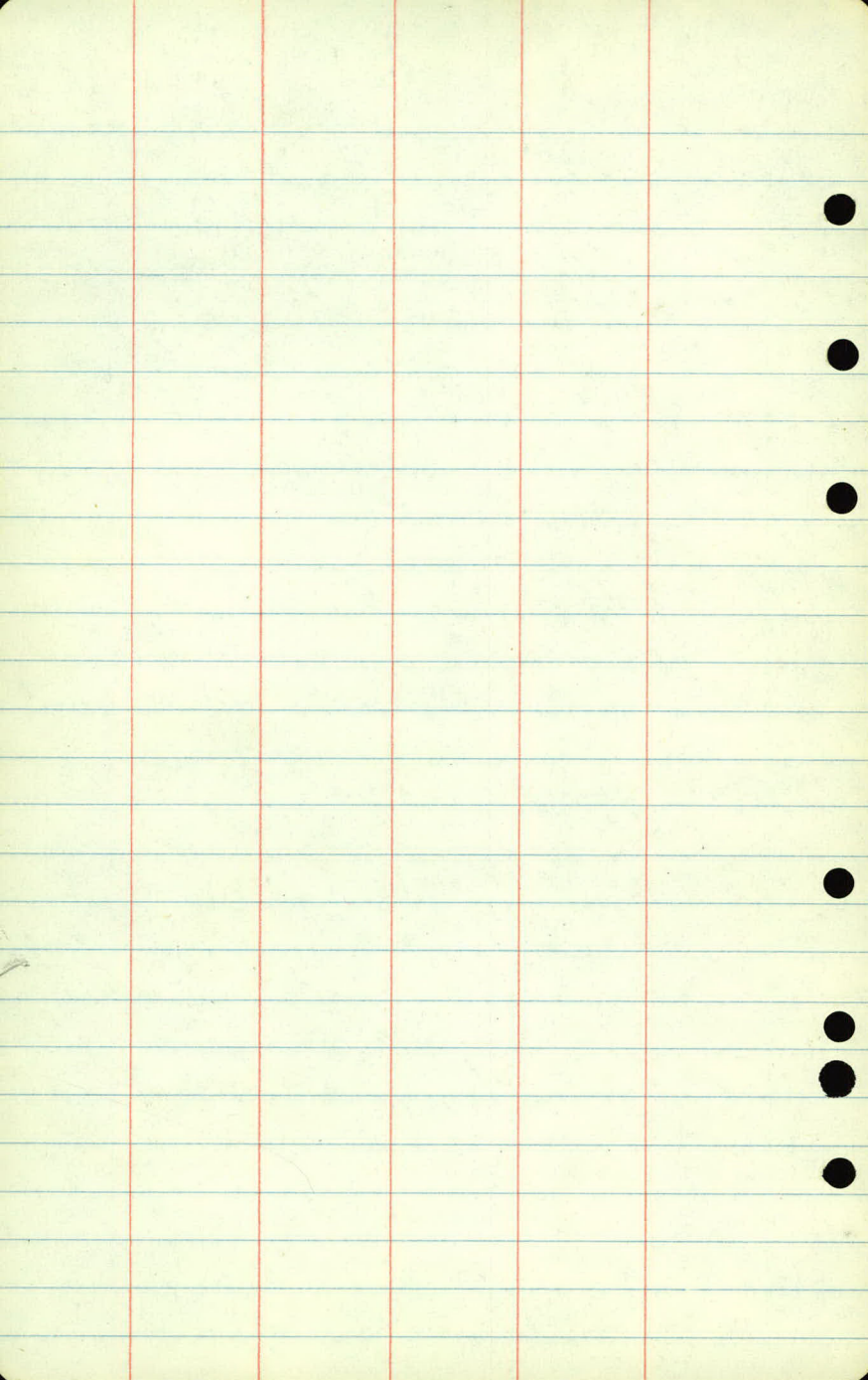
100

$$\begin{array}{r} 15.6 \\ 7.8 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 14.8 \\ 8.6 \\ \hline 125 \end{array}$$

$$\begin{array}{r} 14.2 \\ 9.2 \\ \hline 150 \end{array}$$

100



Larp. Ave

5/9 +

107+50

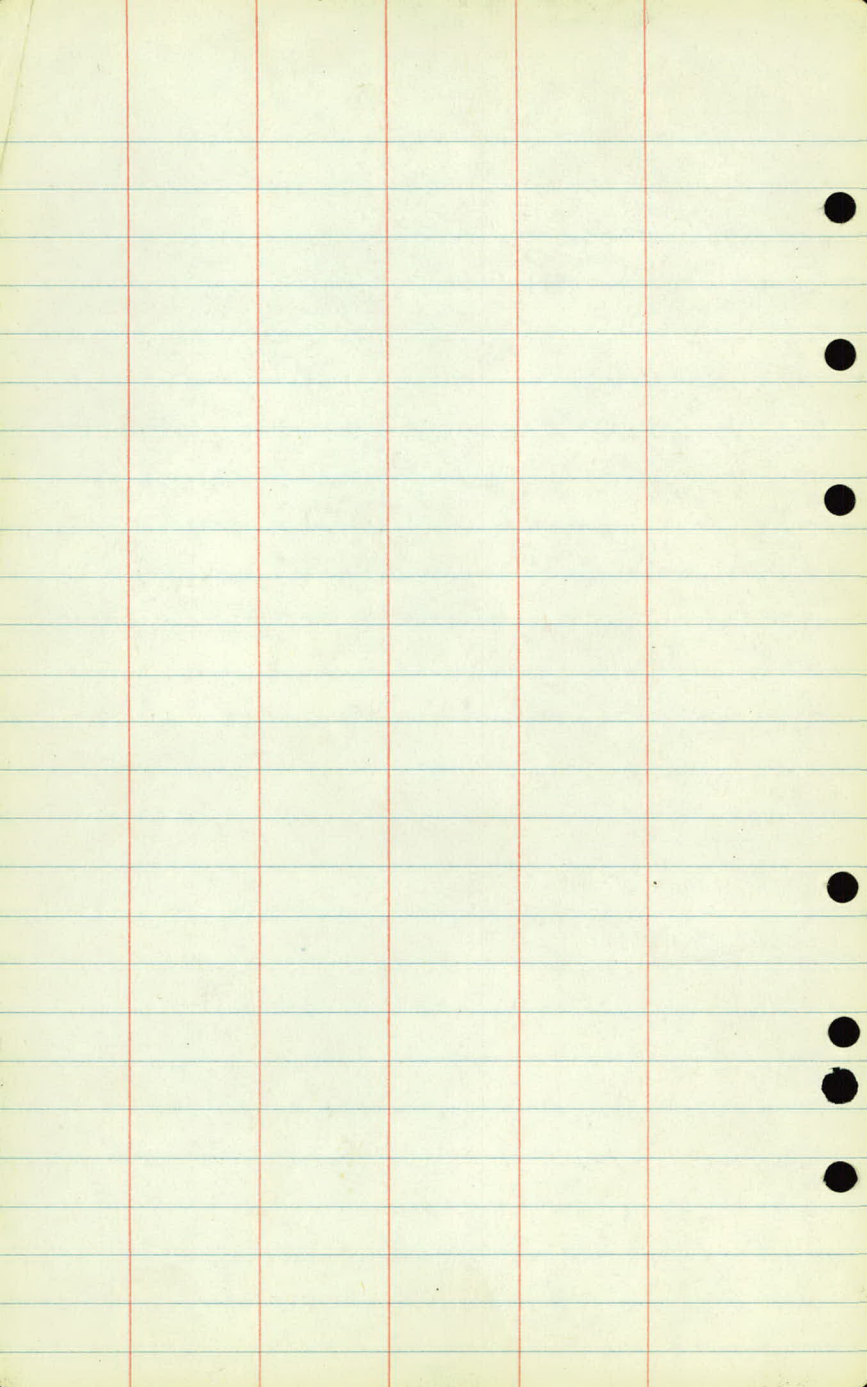
+65

L+

L

11.9	12.8	13.6	14.4	15.3	16.8	18.2	Top Rails	18.1
115	106	98	90	71	56	59	525	71
74	55	49	43	39	28	19	7	51
120.8	10.4							
12.4	130							
90	100							

10.8	11.4	13.1	14.9	16.9	17.5	18.4	Top Rails	19.20
124	120	100	87	65	59	504		
90	75	65	55	47	41	36	38	
120.6								
12.8								
100								



Bench Levels

B.M. G.1 to B.M. H.1

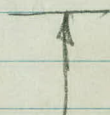
+ = Back sight

- = Foresight

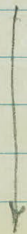
Nadon

by

Sta.	+	x	-	Elev	
B.M. G1	2.17	954.56	9.84	944.72	952.39
B.M.	1.39	946.11	6.55	939.56	
T.P.	7.01	946.57	0.62	945.95	
T.P.	13.47	959.42	0.20	959.22	
T.P.	13.26	972.48	0.89	971.59	
T.P.	9.67	981.26	1.27	979.99	
B.M.	6.83	986.82	3.64	983.18	
T.P.	9.25	992.43	5.52	986.91	
T.P.	2.03	988.94	2.59	986.35	
B.M.	13.69	1000.04	0.12	999.92	
T.P.	9.80	1009.72	1.95	1007.77	
T.P.	11.60	1019.37	6.92	1012.45	
T.P.	5.95	1018.40	0.80	1017.60	
B.M.	13.55	1031.15	3.90	1027.25	
T.P.	2.33	1029.58	5.07	1024.51	
B.M.	2.91	1027.42	4.49	1022.93	
T.P.	3.31	1026.24	1.28	1024.96	
T.P.	7.60	1032.56	11.42	1021.14	
T.P.	0.09	1021.23	6.77	1014.46	
B.M.	3.91	1018.37	5.18	1013.19	
T.P.	3.98	1017.17	11.99	1005.18	
B.M.	2.80	1007.98	4.75	1003.23	
T.P.	0.74	1003.97	7.01	996.96	
T.P.	7.64	1004.60	1.87	1002.73	
B.M.	9.35	1012.08	4.26	1007.82	



Lower Elev: 10'



Description

Top Mont. White Bear & Larp Ave.

Top Mont Hazel & Larp Ave

SPK 24" cott SW cor Ruth & Larp.

SPK 6" O. 1st sta. = SE cor Larp. { W. Ent. to
Hillcrest Golf
Course.

Top SW cor. Top stop. Ent. to store East ave & Larp.

SPK in 24" O. 47' 1st sta / 41

R.R. SPK. 60" cott at Sterling & Larp. Ave.

R.R. SPK. 24" O.

Sta.	+	π	-	Elev.
T.P.	5.36	1013.18	0.57	1012.61
T.P.	11.82	1024.43	0.75	1023.68
B.M.H.1	11.24	1034.92	0.79	1034.13

Lower Elev. 10

Beach Levels

Run by Nadon

B.M. 6-1 2.17 954.56 952.39

1.39 946.11 9.84 944.72

B.M. 7.01 946.57 6.55 939.56 (939.57)

13.47 959.42 0.62 945.95

13.26 972.48 0.20 959.22

9.67 981.26 0.89 971.59

6.83 986.82 1.27 979.99

B.M. 9.25 992.43 3.64 983.18 (983.20)

2.03 988.94 5.52 986.91

13.69 1000.04 2.59 986.35

B.M. 9.80 1009.72 0.12 999.92 (999.95)

11.60 1019.37 1.95 1007.77

5.95 1018.40 6.92 1012.45

13.55 1031.15 0.80 1017.60

B.M. 2.33 1029.58 3.90 1027.25 (1027.295)

2.91 1027.42 5.07 1024.51

B.M. 3.31 1026.24 4.49 1022.93 (1022.98)

7.60 1032.56 1.28 1024.96

0.09 1021.23 11.42 1021.14

3.91 1018.37 6.77 1014.46

B.M. 3.98 1017.17 5.18 1013.19 (1013.25)

2.80 1007.98 11.99 1005.18

B.M. 0.74 1003.97 4.75 1003.23 (1003.30)

7.64 1004.60 7.01 996.96

9.35 1012.08 1.87 1002.73

Top Mont. Larp & White Bear Ave.

Top Mont. Hazel & Larpenteur Ave.

Spk in 24" Cotti. S.W. Cor. Ruth & Larpenteur Aves.

Spk in 6" O.

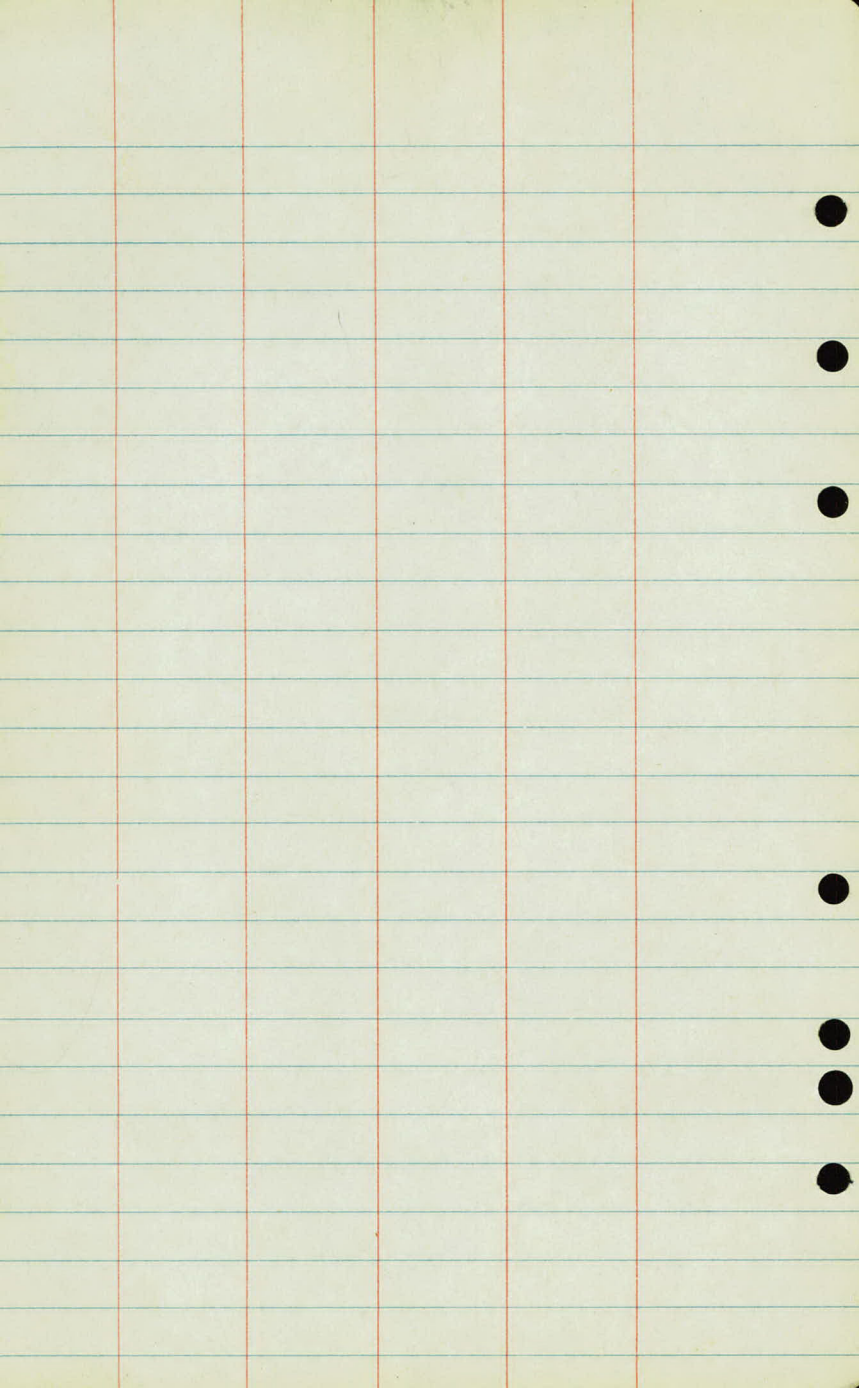
Top S.W. Cor. Top step Ent. to store at E. Ave. & Larp Ave.

Spk in 24" O. at

R.R. Spk in 60" Cotti. at Sterling & Larpenteur Ave.

		1012.08			
B.M.	5.36	1013.18	4.26	1007.82	1007.90
	11.82	1024.43	0.57	1012.61	
	11.24	1034.92	0.75	1023.68	
B.M.-H1			0.79	1034.13	1034.216

R.R. Spt 24" 0 near $\frac{1}{16}$ Cor.



Bench Levels

BM-H1 to White Bear + 7th St.

Run by Jack

Sta.	+	-	Elev.
BM H1	0.61	1034.83	1034.22
T.P.	0.35	1028.25	11.93 1022.90
T.P.	1.245	1012.79	11.705 1011.545
BM.		4.85	1007.74
T.P.	2.185	1009.525	5.45 1007.34
T.P.	2.08	1002.335	9.27 1000.255
T.P.	10.03	1007.935	4.43 997.905
BM.		4.58	1053.355
T.P.	12.15	1017.645	2.44 1005.495
T.P.	6.86	1019.485	5.02 1012.625
T.P.	12.505	1028.78	3.21 1016.275
T.P.	0.405	1027.29	1.895 1026.885
BM.	6.27	1029.325	4.235 1023.055
T.P.	2.43	1030.785	4.97 1024.355
BM.		3.44	1027.345
T.P.	0.62	1018.455	12.95 1017.835
T.P.	0.23	1012.70	5.985 1012.47
T.P.	0.17	1003.16	9.71 1002.99
BM.		3.105	1000.055
T.P.	0.39	989.94	13.61 989.55
T.P.	0.68	987.43	3.19 986.75
BM.		4.09	983.34
T.P.	0.52	976.13	11.82 975.61
T.P.	0.54	963.60	13.07 963.06
T.P.	0.685	950.775	13.51 950.09

Lower Elevs. 24'

11-20-44

157

R.R. Spk in 24" 1370 W & 405 of E Co. Line & Larp. Ave.

R.R. Spk in 60" ^{60 ft.} at Sterling & Larpentour Aves.

Top S.W. Cor. Top Step Ent to Store at East Ave & Larp. Ave.

Spk in 6" 0 rt. sta.

= SE Cor Larp & ^{Went to} Hill Crest Golf C.

Spk in 24" 60 ft. SW Cor Bulb & Larp. Aves.

High Pl. Mast at Hazel & Larp Aves.

Sta.	+	π	-	Elev.	
		950.775			
BM.	8.53	948.325	10.98	939.795	(939.58)
T.P.	9.72	956.44	1.605	946.72	
B.M.-61			3.815	952.625	(952.387)
B.M.-61	8.38	960.77			(952.39)
T.P.	11.06	971.28	0.55	960.22	
T.P.	9.86	980.71	0.43	970.85	
B.M.-62	8.86		4.14	976.567	(976.562)
T.P.	2.60	977.13	6.18	974.53	
B.M.			10.03	967.10	

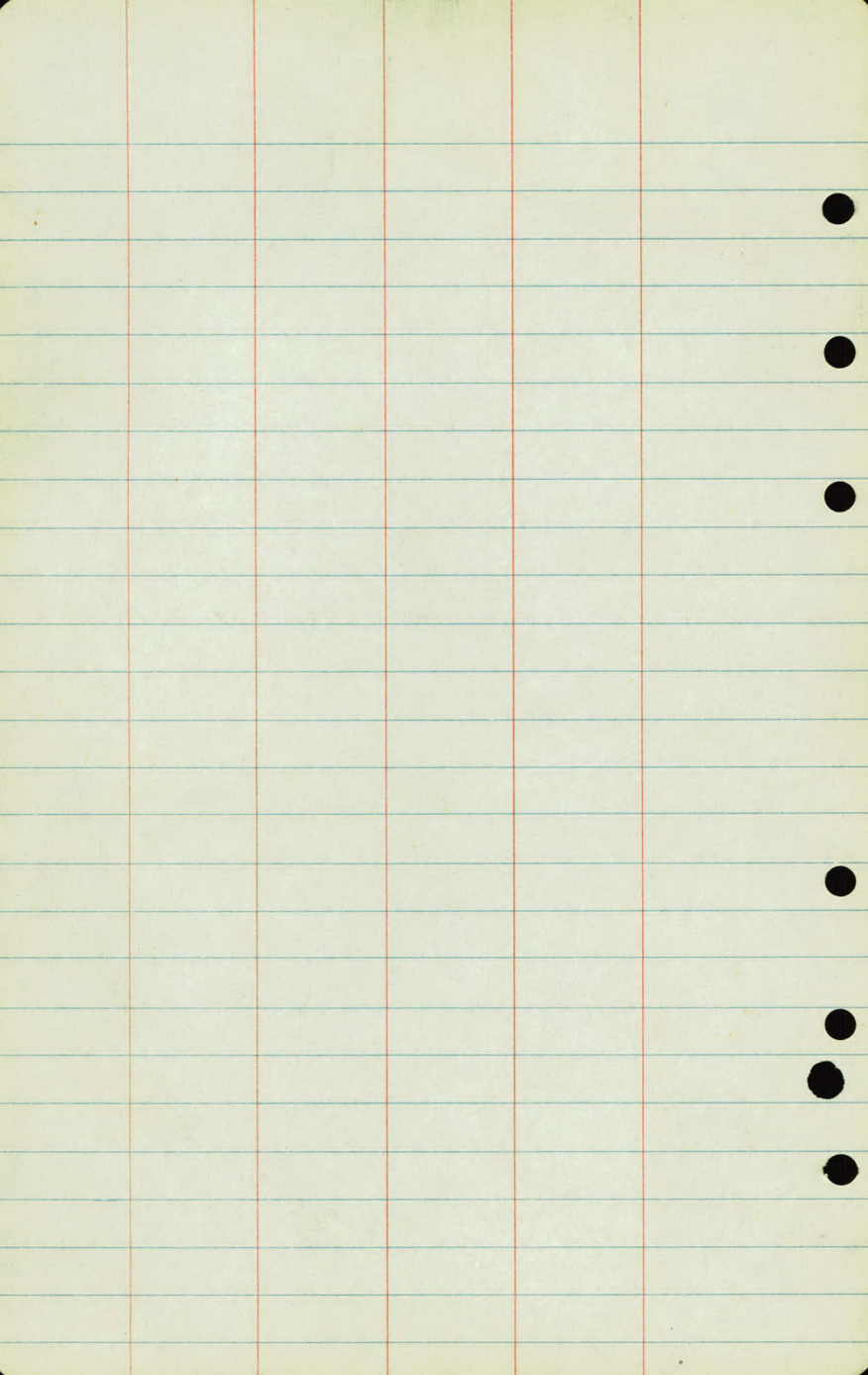
Lower 24'

11-20-44

158

Top Mont at White Bear Ave & Larp Ave.

Ctr. of Mont Frost & White Bear Ave's.



Description

Nador

E to W.

Clark

E to W

Clark

W to E

X sections

952.39

939.57

Aver.
939.57

939.57

939.57

939.58

(Aver.
983.19)

983.20

893.21

983.17

Average.
(999.93)

999.95

999.93

999.90

999.91

Aver.
(1027.24)

1027.295

1027.285

1027.22

1027.25

Aver.
1022.97

1022.98

1022.986

1022.95

1022.95

Aver.
1013.275

1013.25

1013.30

1013.24

(Aver.
1003.34)

1003.30

1003.35

1003.29

1003.27

Aver.
1007.92

1007.90

1007.94

1007.91

1034.216

1034.216

1034.216

*Bench Levels**U.S. B.M.-61 to U.S.B.M.-6-3*

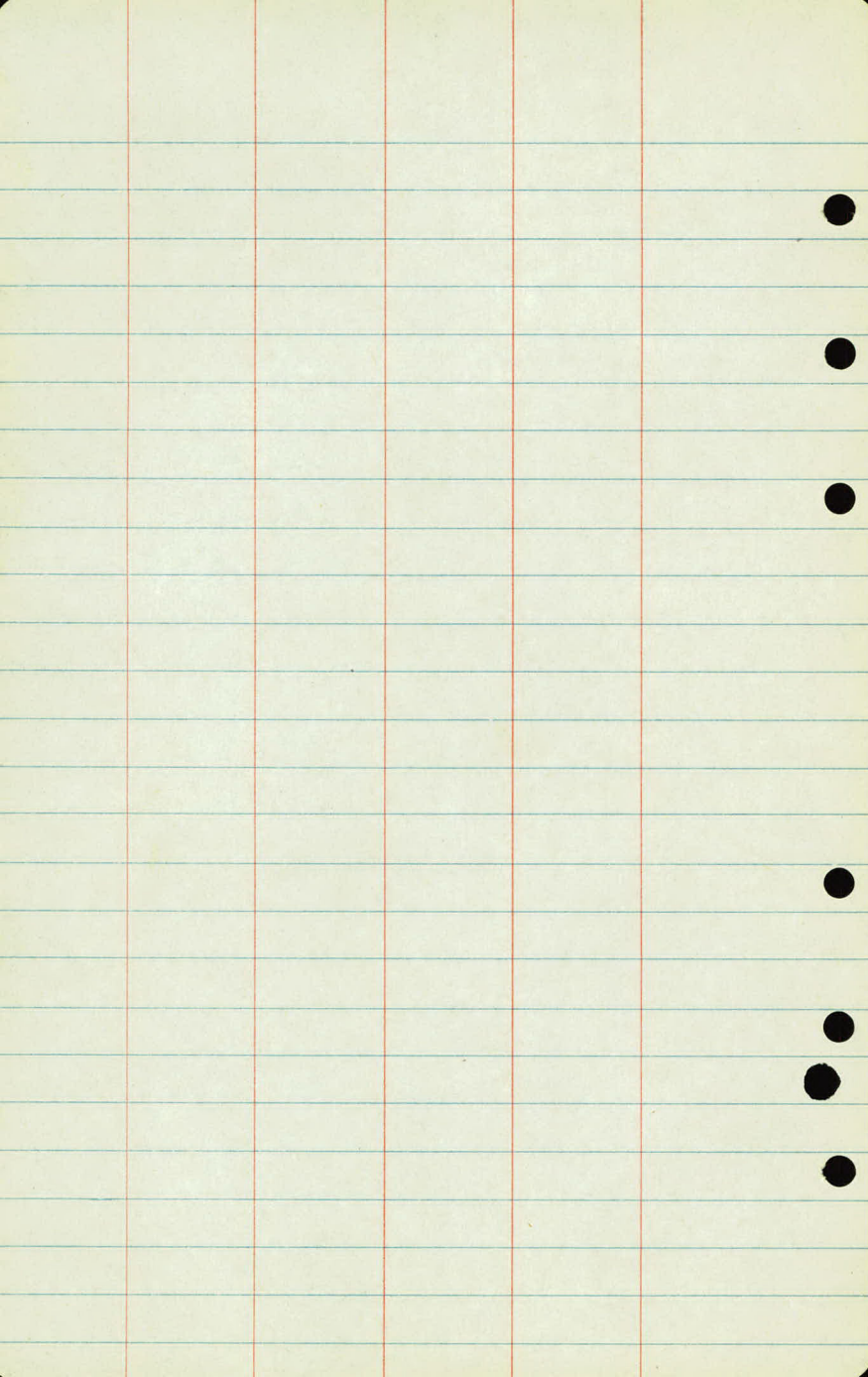
Sta	+	π	-	Elev
-----	---	-------	---	------

B.M.-61	0.94			
---------	------	--	--	--

				952.39
--	--	--	--	--------

Description

Mont at Int of N. St. Paul Rd & White Bear Ave.

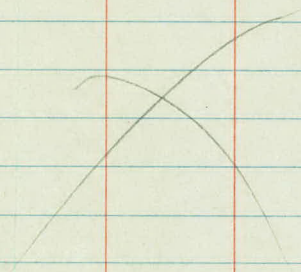


162

Lt.

E

Pl.



Sta	+	π	-	Elev.
B.M.	8.23	947.79		939.56
			0.99	946.80
T.P.	9.31	956.11	2.23	953.88
T.P.	0.52	954.40	10.50	943.90
B.M.	1.39	945.29	11.74	933.55

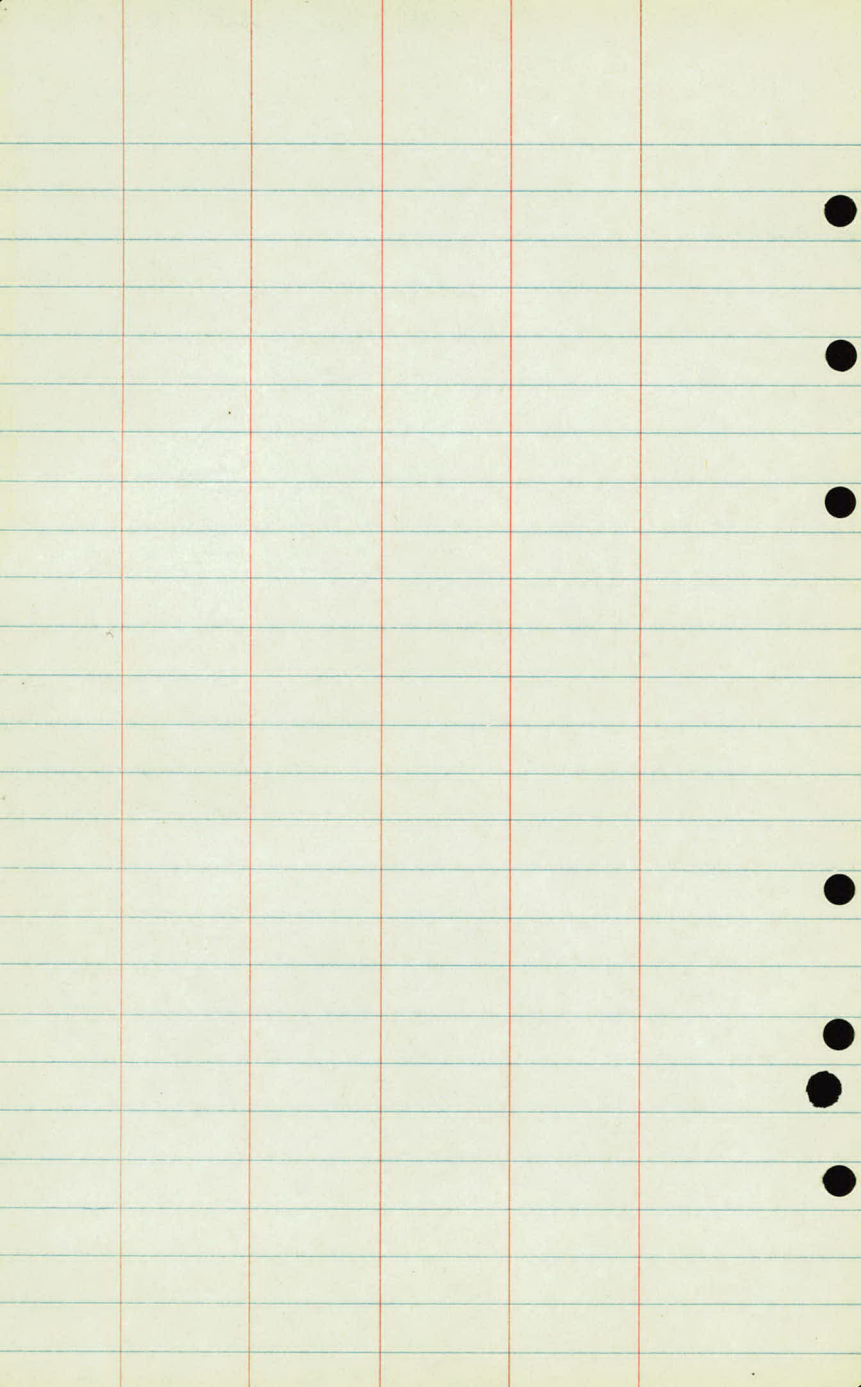
Mon. cent. of White Bear & Larp.

Mon. cent. of Larp. & Kennard

Sta	+	Σ	-	Elev.
B.M.	0.22	967.32		967.10
			12.64	954.68
T.P.	0.10	954.78	11.98	942.80
T.P.	0.30	943.10	12.80	930.30
T.P.	0.19	930.49	12.20	918.29
T.P.	0.26	918.55	11.49	906.86
T.P.	4.51	911.37	4.23	907.14
T.P.	5.30	912.44	4.64	907.80
T.P.	4.51	908.31	6.01	902.30
T.P.	2.87	905.17	2.06	903.11
T.P.	8.84	911.95	2.83	909.12
T.P.	6.07	915.19	6.24	908.95
T.P.	2.12	911.07	7.22	903.85
B.M.	3.51	907.36	7.97	899.39

ctr. Mont. White Bear & Frost Ave.

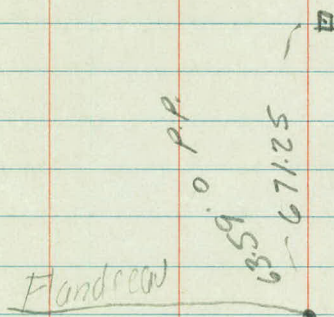
spike in P.P. S.E. Cor. Prosperity & Frost



lt

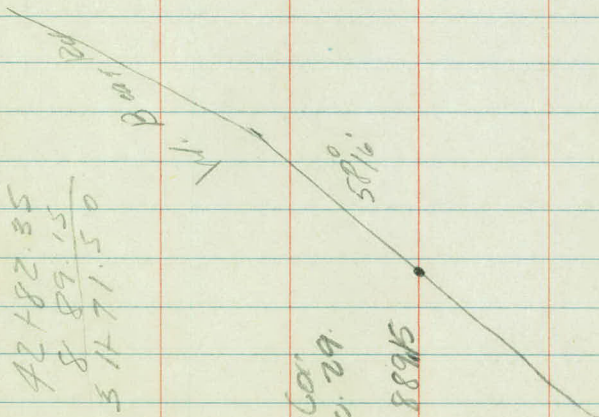
2

et



$$\begin{array}{r} 56406.70 \\ 889.15 \\ \hline 57295.85 \end{array}$$

espk
pp 0 670



$$\begin{array}{r} 56406.70 \\ 889.15 \\ \hline 57295.85 \end{array}$$

$$\begin{array}{r} 42782.35 \\ 889.15 \\ \hline 51471.50 \end{array}$$

$$\begin{array}{r} 24 \\ 22 \\ \hline 46 \\ \hline 24 \end{array}$$

Larpenleur Ave.

Soundings

118+70 Blue Sandy clay.

118+10 to 119+10 excavate and
back fill with sand or gravel

Sta. 131+50 12' Lt.

Feet

Material

0 - 6'

Sandy Yellow clay

6 - 8.7'

Peet

8.7' -

Sandy

8-29-45
K.A.
C.F.
C.N.

Sta	133	4	
Feet			Material
0 - 0.5'			Black Top
0.5' - 1'			Blue Clay
1' - 1.2'			Black Top (old road surface)
1.2' - 2.5'			Crushed Stone & Clay
2.5' - 3'			Blue Clay
3' - 4.5'			Sandy Blue Clay
4.5' - 7.5'			Peet.
7.5' -			Sand

Sta.	132+50	12' Lt.	
			(Fill Material)
0' - 4.5'			Mixture Sandy Blue Clay
4.5' - 10.5'			Peet
10.5' -			Blue Sand.

Sta.	132+00	12' Lt.	
			Fill Material =
0' - 5'			Peet, Yellow + Blue Clay + Sandy
5' - 12.5'			Peet
12.5' -			Sand

Sta	133+40	E
	Feet	Material
	0 - 0.5'	Black Top
	0.5 - 1'	Blue Clay
	1' - 2.5'	Sand & Gravel
	2.5' - 3.5'	Blue Clay, ^{Mixture} Sand & Gravel
	3.5' - 4.5'	Peet
	4.5' -	Blue clay & Sand.
	4.5' -	Water

Sta.	136+00	12' Lt.
	0 - 2'	Sandy Yellow Clay
	2' - 4.5'	Blue Clay
	4.5' - 8.5'	Peet
	8.5' -	Blue Clay

Sta.	137+00	12' Lt.
	0 - 3'	Mixture Blue & Yellow ^{Sandy} Clay
	3' - 7.2'	Peet
	7.2' -	Blue Clay

Sta.	137+50	12' Lt.
	0 - 1'	Mixed Materials
	1' - 2.5'	Sandy Blue Clay
	2.5' - 3.5'	Peet
	3.5' -	Blue Clay

End Swamp.

8-30-45
K.H.
L.G.
C.N.

	Feet	Material
sta.	139+50	
	0-5'	Yellow Sandy Clay
	5'-6'	Black Loam
	6-10' down	Yellow Sandy Clay.

sta 145+50 Approx. beg. peat

sta.	146+00	
	0-3'	Mixture
	3'-3.5'	Sand
	3.5-5.5'	Peat
	5.5-	Sandy Blue Clay

sta	147+00	
	0-2.5'	Mixture
	2.5'-3.5'	Sand
	3.5-4.5'	Peat
	4.5-	Clay

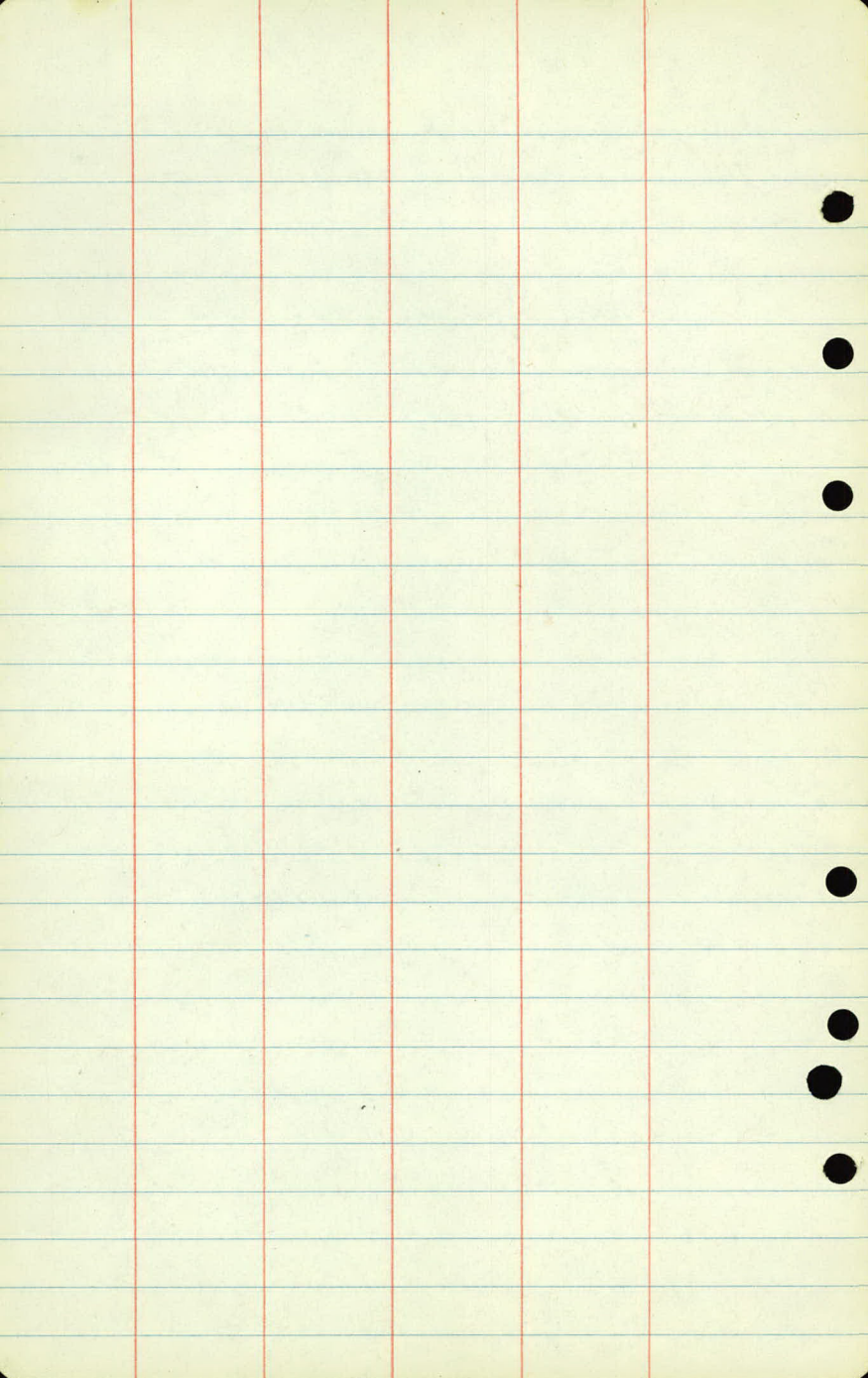
End Swamp

147+75 to 148+25 Bad spot

149+00 to 152 Bad spot

excavate approx 3' deep and
back fill with sand or gravel.

Also provide better drainage.



additional topog

$$157+70 = P.P. - 28'$$

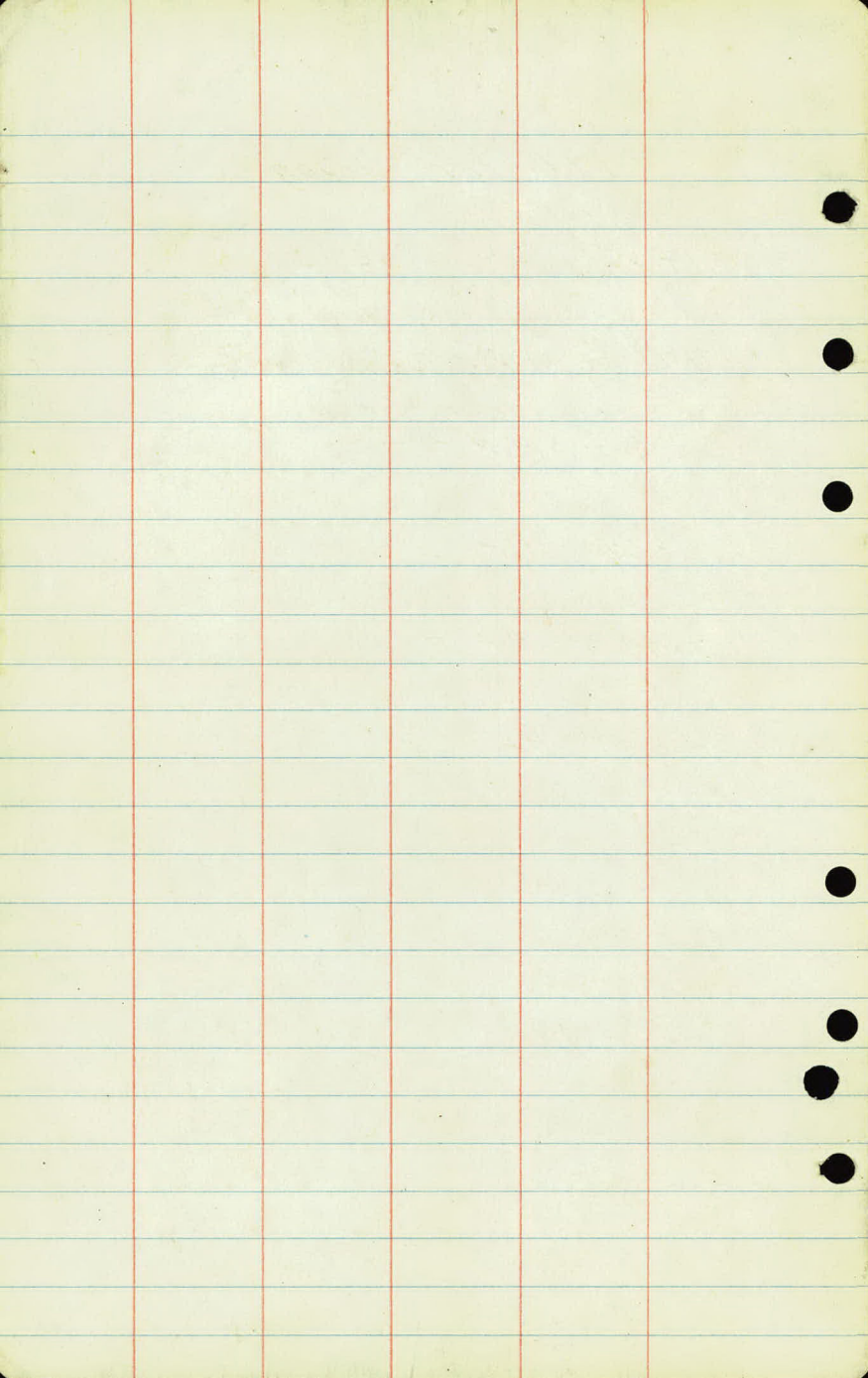
$$159+21 = P.P. - 28'$$

$$160+69 = P.P. -$$

$$162+20 = P.P. -$$

$$163+70 = P.P. -$$

$$165+25 = P.P. - 28'$$



LARPENTEUR AVE.

Hazelwood to White Bear Ave.

Profile

10 pages

Spotted on blue ozalid print. P.W.S. 583
Very little change from existing ground.

9/15/61 - R.C.

Sta	+	π	-	Elev.
BM	4.31	925.61		921.30
42 + 81.95 0+00			12.8	12.80
43 + 32 +50			11.3	14.3
+82 1			9.8	15.7
44 + 32 +50			8.0	17.6
+82 2			6.2	19.4
45 + 32 +50			4.7	20.9
+82 3			3.6	22.0
46 + 32 +50			3.2	22.4
BM	0.35	925.61	0.35	925.26
+82 4			3.5	22.1

FX
WM
BZ
JK

Sept. 13, 1961
Overcast

171

R.R. Spike in 15" Oak S.W. Cor Prosperity & Larp

Top Hyd S.W. Cor Prosperity & Larp

Sta + π - Elev

925.61

47 + 19

+37

4.1

21.5

47 + 32

+50

4.6

21.0

+82

5

6.5

19.1

48 + 32

+50

8.1

17.5

+82

6

9.8

15.8

49 + 32

+50

11.3

14.3

+82

7

12.3

13.3

50 + 32

+50

12.6

13.0

+82

8

12.7

12.9

Sept. 13, 1961

172

£ Prosperity

Sta + π - Elev.

925.61

51+32

8+50

12.0 13.6

+82

9

10.8 14.8

TP

4.77 920.84

TP 13.65 934.79

52+32

9+50

18.9 15.6

+82

10+00

16.0 18.5

53+32

+50

13.8 20.2

+82

11+00

11.2 23.3

54+32

+50

8.7 25.8

+82

12+00

6.5 28.0

Sept. 13, 1961

173

in parking Lot Lt.

Sta	+	Σ	-	Elev
		934.49		
55 + 32				
12 + 50			4.2	30.3
+ 82				
13			1.9	32.6
BM	11.89	946.31	0.07	934.42
56 + 32				
+ 50			11.6	34.7
+ 82				
14			9.5	36.8
57 + 32				
+ 50			7.3	39.0
+ 82				
15			5.5	40.8
58 + 32				
+ 50			4.0	42.3
+ 82				
16			2.5	43.8
59 + 32				
+ 50			1.1	45.2
TP	10.13	956.39	0.05	946.26

Sept. 13, 1961

174

North Belt on Hyd SW Cor A

Rock

Sta	+	π	-	Elev
		956.39		
59+82				
17			9.5	46.9
60+32				
+50			7.8	48.6
+82				
18			6.7	49.7
61+32				
+50			5.6	50.8
+82				
19			4.5	51.9
BM			0.41	955.98
62+32				955.99
+50			4.0	52.4
+82				
20			3.8	52.6
63+32				
+50			4.2	52.2
+82				
21			5.0	51.4

Sept. 13, 1961

175

Top Hyd NW Cor Flandrau

Sta + π - Elev.

956.39

64+32

21+50

5.8

50.6

+82

22

6.8

49.6

65+32

+50

7.8

48.6

+82

23

8.7

47.7

66+32

+50

9.7

46.7

+82

24

10.7

45.7

TP, 2.56

948.65

10.30

946.09

67+32

+50

4.4

44.3

+82

25

5.8

42.9

68+32

+50

7.2

41.5

Sept. 13, 1961

176

955.99
946.09

9.90

9.9
748

17

Sta + π - Elev.

948.65

⁺⁸²
26

8.8 39.9

⁺⁸⁶
+049.10 ^{939.55}
~~948.75~~ slab⁶⁹⁺¹⁰
+28

9.86 38.79

⁺³²
+50

9.59 939.06 ± W.B.A.

+28

9.79 38.86 Gutter 22'11"

+04

9.19 939.46 ^{✓ 24' Less}
22'2"

T.P. 4.38 943.85 9.18 939.47

B.M. 11.50 953.09 2.26 941.59 941.91

T.P. 7.01 946.08

+04 13.60 939.49 [✓] 5'ab

T.P. 4.57 956.00 1.66 951.43

B.M. 0.02 955.98 (955.99)

5606
5398
208

Sept. 13, 1961

177

£ White

$$\begin{array}{r} 956.06 \\ 46.18 \\ \hline 9.88 \end{array}$$
$$\begin{array}{r} 946.09 \\ 41.69 \\ \hline 4.40 \\ 46.18 \\ 941.69 \\ \hline 924.49 \end{array}$$

Top Hyd SW Cor White Bear + Corp.

Top Hyd N.W. Cor Flandreau

Prosperity Ave

Sta + π - Elev

BM 6.62 927.92 921.30

0+00 2.2 25.7

+50 1.9 26.0

1 1.85 26.0

+50 2.1 25.8

2 2.7 25.2

+50 3.5 24.4

3 4.4 23.5

+50 5.3 22.6

A 6.4 21.5

FK
WM
BZ

Sept. 14, 1961

178

RR Spike in 15" Oak SW. Cor Prosperity & Harp

Elevations spotted on paper plan sheet.
9-15-61 R.C.

± Carpentier Ave.

Sta	+	Δ	-	Elev
		927.92		
4+50			7.7	20.2
5+00			9.0	18.9
+50			10.1	17.8
6+00			11.0	16.9
+50			11.8	16.1
7+00			12.2	15.7
+50			12.5	15.4
8			13.0	14.9
BM			2.66	925.26

925.26

Sept. 14, 1961

179

Top Hyd. S.W. Cor Larpeateur & Prosperity

