

Book 123 Dr. 16

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan Survey

Co. Rd. "C"

From Arcade St. To S.T.H. #61

Road Acc't. No. P.W.S. #577

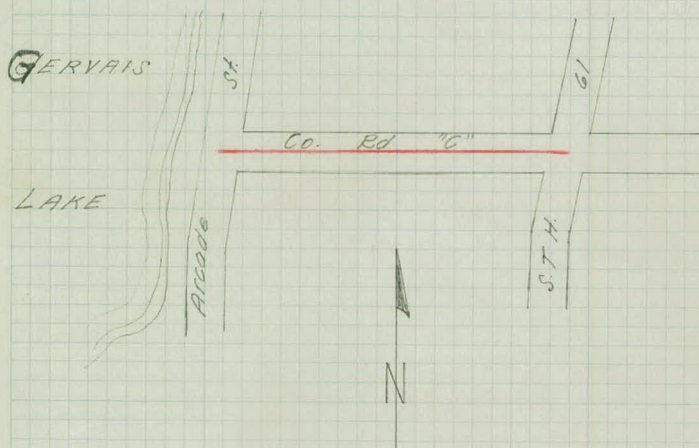
Date Filed. 11-7-45

File

PW 12.
577

PLAN SURVEY
CO. RD. "C"

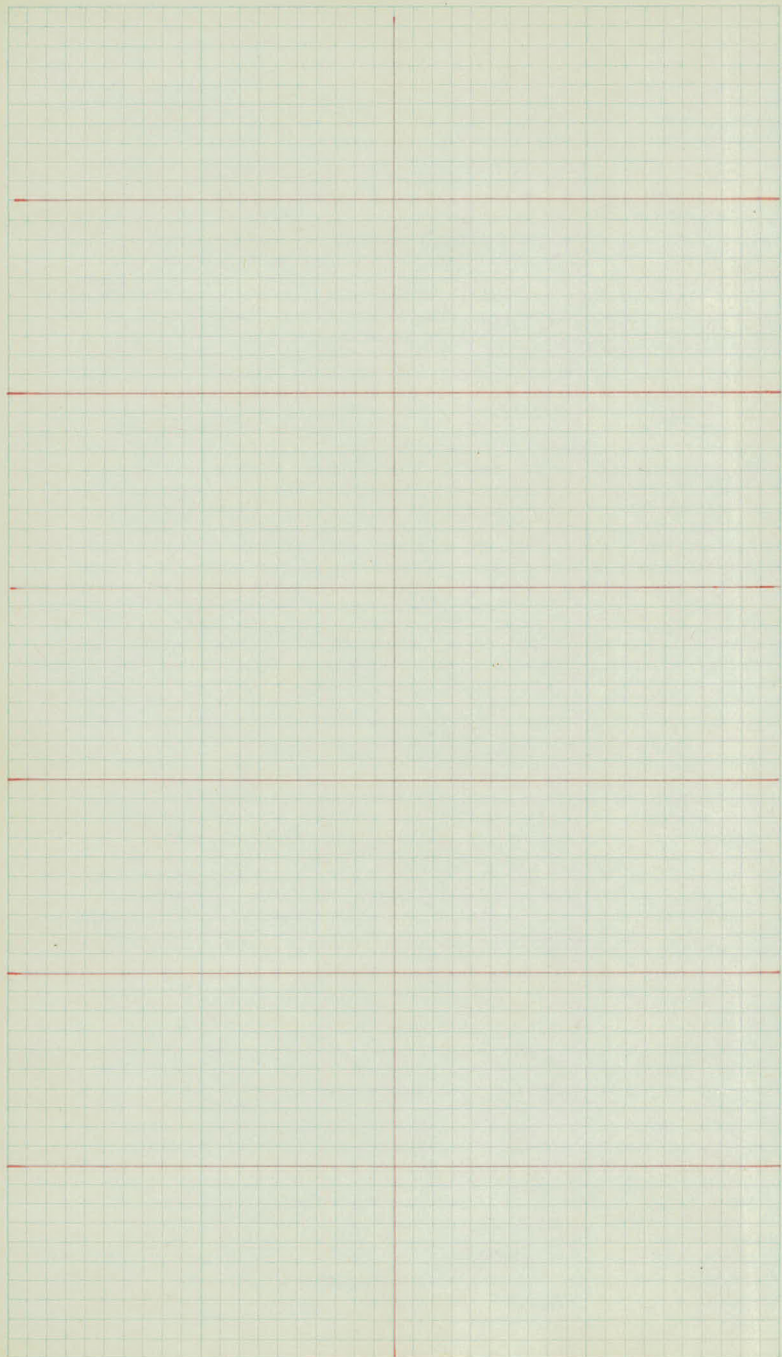
Arcode St to S.T.H. 61



INDEX.

Align - 1-3
Topog - 4-10
Bench } - 11-12
Levels }
X Sections - 13-32

Completed
May 28 1945



Alignment

Sta	Point	$\Delta Lt.$	$\Delta Rt.$
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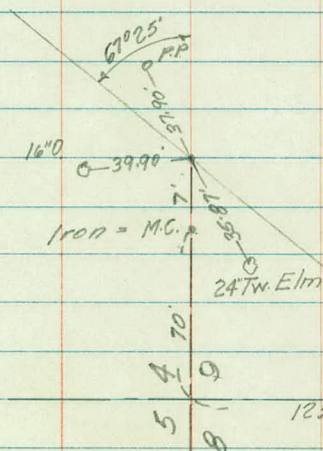
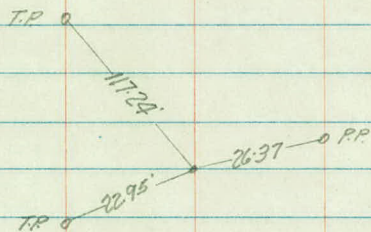
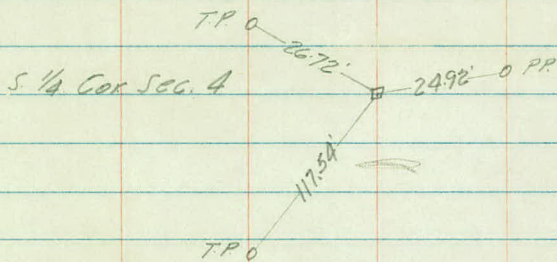
25 + 80.80	P.I.	0°09'	
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12 + 00	P.O.T.		
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0 + 00	= E Keller Pkwy.		
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9-29-44

2



Sta	Point	ΔLt	ΔRt
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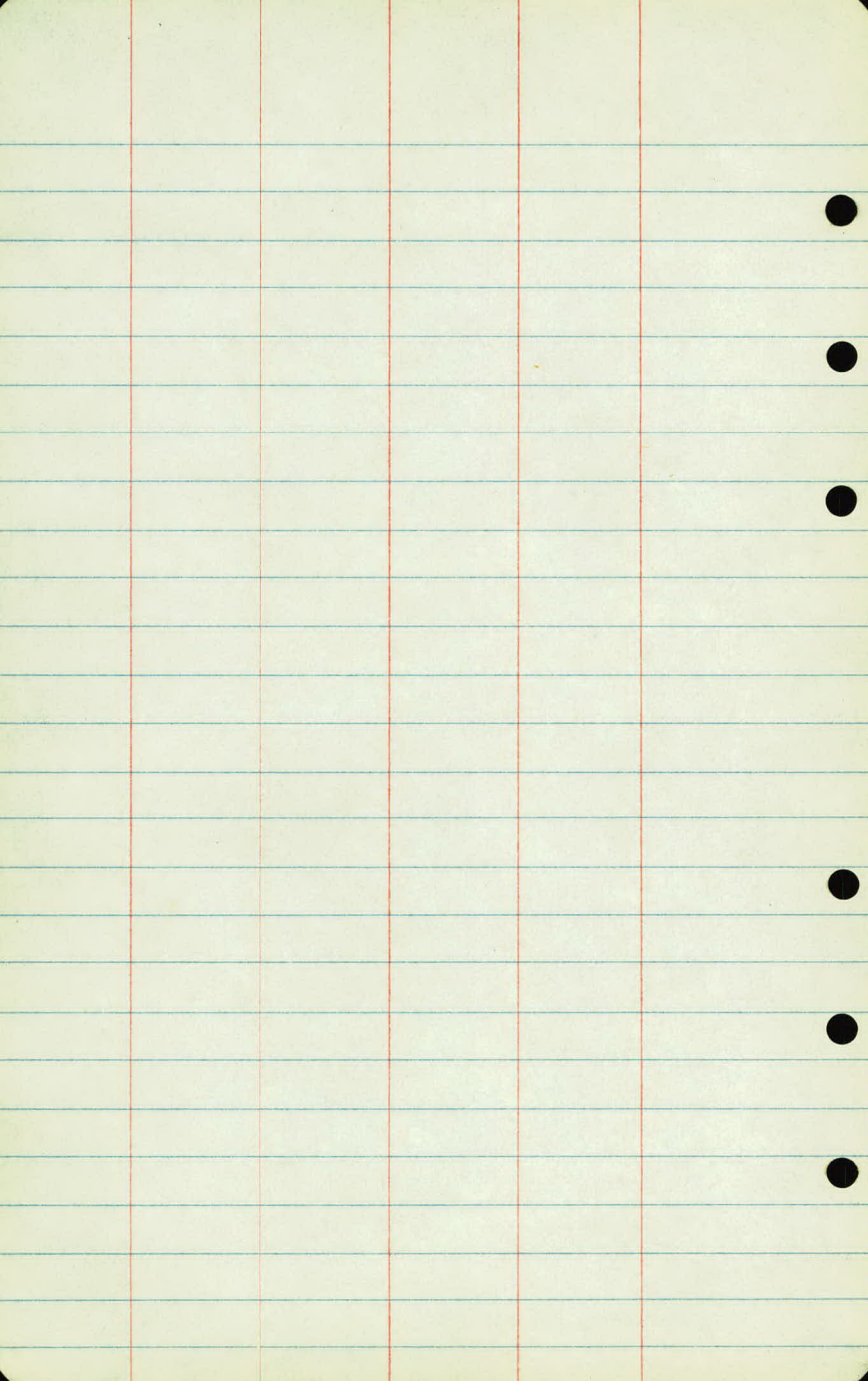
38+47.83	P.O.T. = P.O.C. on S.T.H. 61		
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38+39.73	P.O.T. = P.O.S.T. on S.T.H. 61		
----------	--------------------------------	--	--

$\Delta - 170.55$
(D. 10' Com)
Ext. 7.2'

125'

72° 26'



Topography



+88-Fe Cor-34'

+93-PP-28'

5. Lowland-70 Fe-26'

3' 18'

Fe-26'

4. Lowland R
Fe-25'

2' 17' Fe-34'

+78-10" Ash-29'

+69-10" O-37' +41-12" O-32' +Fe.

+69-End 1.8" Conc.-22'

+37-End 1.5" M-10'

+26-Group 5 Basswoods-37'

+07-3" Trip. Ironwood-43'

3. Driveway-112-92'

3'

+97-6" O-42'

+92-5" Tw. Basswood-42'

+69-PP-17'

+60-12" O-53'

+41-12" Elm-47'

+17-12" Tw. Basswood-47'

2. 3" Tw. Basswood-48'

3

+75-4" Ash-48'

+44-3" Basswood-47'

+25-15" O-54'

+15-6" M-47'

+81-12" Trip. Basswood-47'

+31-PP-23' - 16'

+27=30'

0400

-12-Edge R. Top

-14-Cor 1/2 G.R-00

+27-PP-29'

+22-Range Tie to Lowland

+89-30" Willow-35'

+61-15" BE-35'

+51-2" Cof-46'

+37-15" O-37'

+16-89" Wood Steps-32'-25' 3" Riser

17' Fe-35'

+99-12" Elm-38'

+68-PP-27'

+61-15" BE-40'

+33-8" Maple-48'

+32-12" Tw. Maple-52'

+27-8" Maple 52' +30.8" Maple-52'

+22-12" Basswood-52' Tw. 52'

17' Fe-41'

+50-Fe-42'

+48-2A Tw. Basswood-60'

+37-2-15" Basswoods-48'

+25-12" Basswood-57'

+19-15" O-51'

19' Fe-37'

+98-2A O-42' +95-PP-23'

+78-NW Cor. Ho-165'

+75-30" Cof-42'

+57-12" O-48' +57-8" Elm-42'

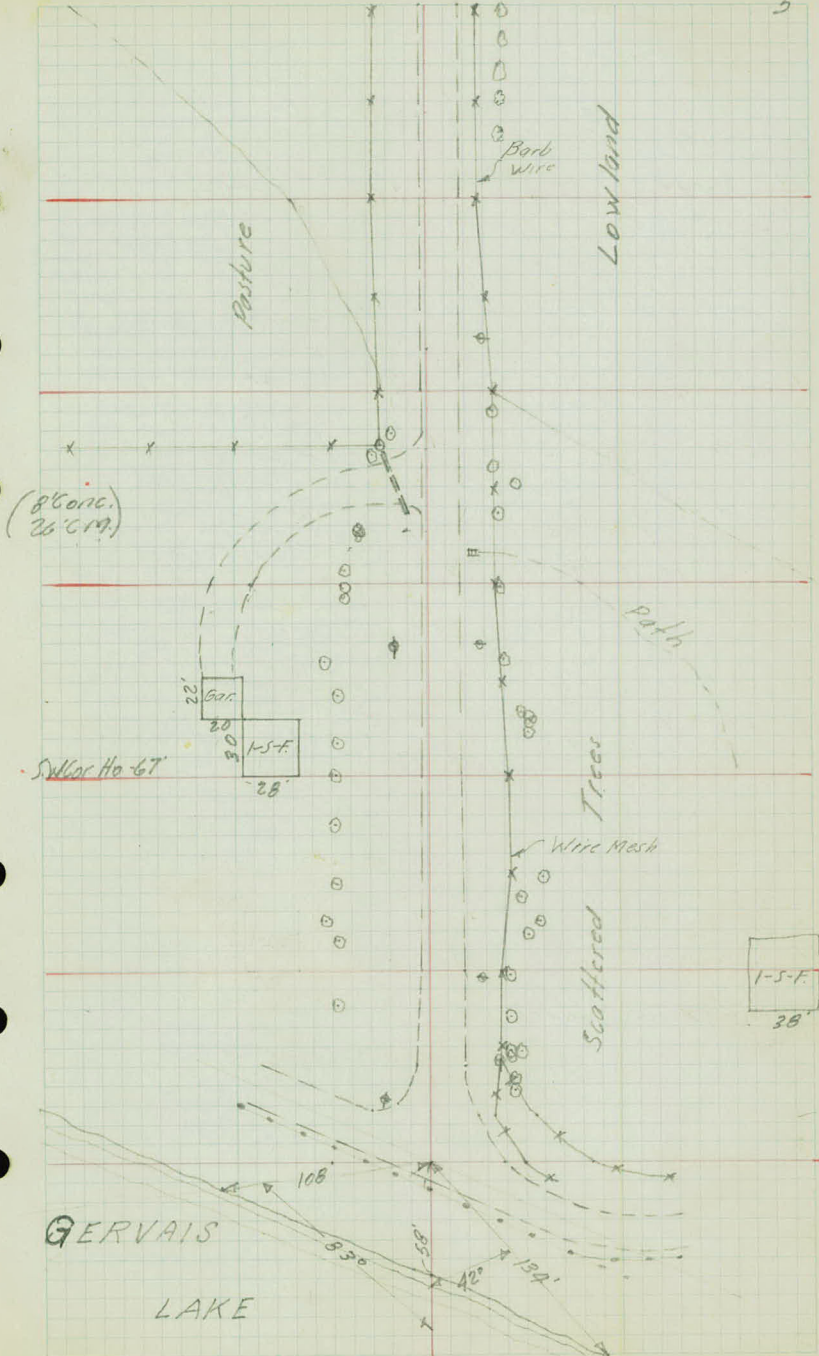
+52-Fe-36' +55-12" Top-42'

+44-5" BE-43'

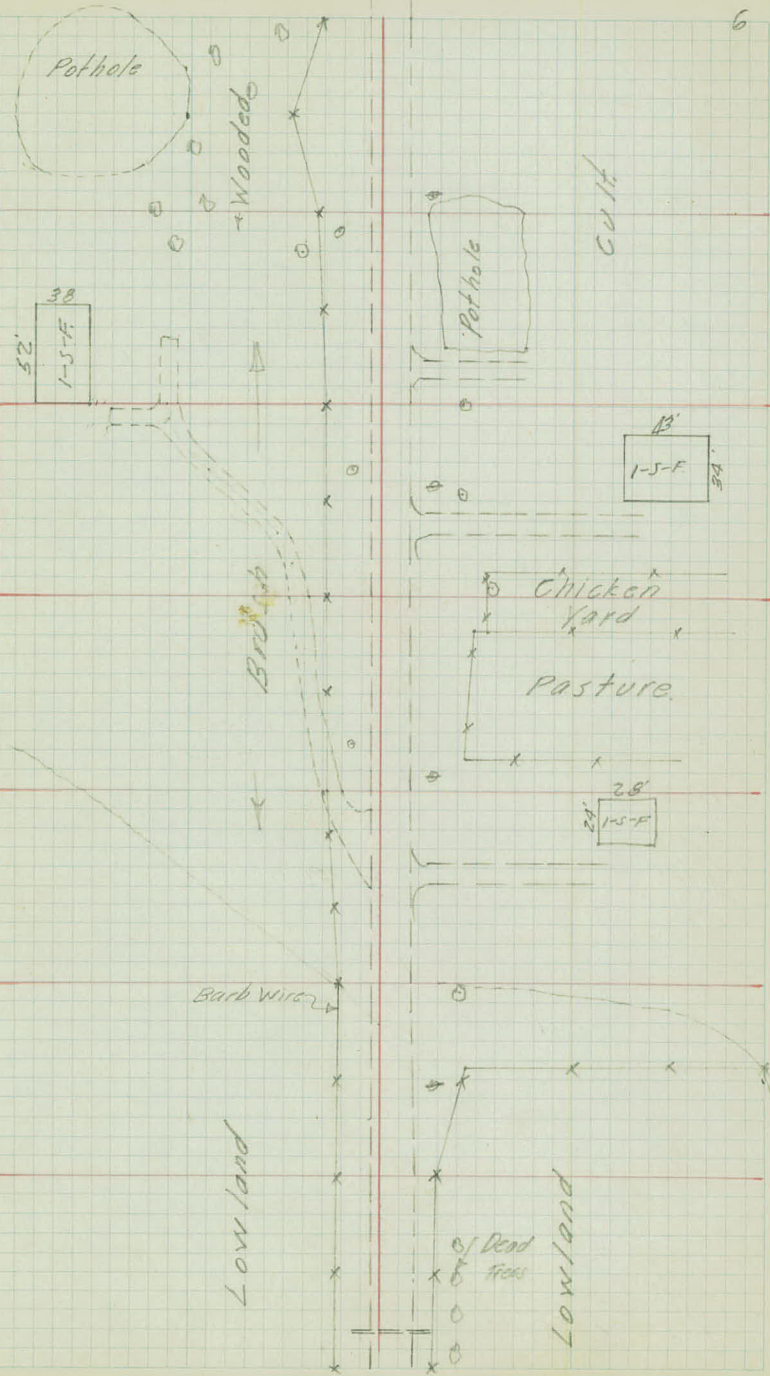
+27-2A Cof-44'

+25-Fe-33'-35'

39' Fe-30'-85'



- +75-Pothole-104'
- +50-Pothole-103' Fe-46'
- +23-Pothole-125'
- 12 Fe-32' Beg. Woods +90 TP 21 6' 14' +109-PP-26' Lowland 22'-75'
- +60-15"O.-42' ~~+37-T.P.~~
- +35-End Trail-112'
- +30-Lowland-32'-74'
- 11 SW Cor Ho-153' Fe-29' 5' 15' +117-Ent 12" Willow-43'
- Trail-112'
- +85-NE Cor Ho-126'
- +65-Tr-90' T.P. 16
- +59-PP-26'
- +33-Tr-55'
- +52-18"O.-41'
- +18-Trail-47'
- +137-Ent-
- 10 Trail-48-38' Fe-29' 4' 15' +112-Fe Cor-54'
- +105-12" Apple Tr-58'
- +82-Fe Cor-48-55'
- +24-TP-15'
- 9 Ent-30-20' Fe-28' 4' 15' +16-Fe Cor-44' +107-PP-27'
- +90-Ent-5'
- +72-NW Cor Ho-113'
- +30-Ent-5'
- +34-Ent-
- 8 Lowland-23' Fe-31' 4' 16' Lowland-31'
- +79-Range Tie Lowland
- +195-12" Willow-41'
- +156-Fe Cor-45'
- +147-T.P. 28' ~~P.P.~~
- 7 3' 19' Fe-29'
- +119-24" C.M. X Drain = 145-25' 6' 3' 17' Fe-26'



Pothole

Wooded

52' 38' 1-5-F

Bridge

Barb Wire

Lowland

Pothole

Cult

43' 1-5-F 34'

Chicken Yard

Pasture

28' 1-5-F

Lowland

Dead Fish

+62-Ent- 12" x 26' C.M.
+53-T.P.-26' 21

+77-G.P.-19' PP-26'

+49-Fc. Cor - 26'

19 Lowland - 75-19'

+60-Lowland-19'

+50-Bog. Lowland - 37'

+24-T.P.-22'

Chick wing
+25-PP-25
+13-Fc. Cor - 27'

18 +98-Ent-12" x 20' C.M.-15' 8' 12'

+27-S.W. Cor Ho.-70'

17 +97-T.P.-23' 8' 12'
+95-Fc. Cor - 17'

+73-PP-25

Stop Top - 22.5'
Bottom - 19.5'
+23-2.4' Cox Walk - 14.5'
+06-S.W. Cor Ho - 70'

+49-24' BE-47'
+38-18' Basswood 46'
+29-18' Basswood 47'
+35-N.E. Cor Ho - 95
+14-18' Basswood 48'

16 +97.5-Fc. Cor - 19'
+96-Face of Wall - 22'
+78-T.P.-21'
+72-12" O-35' +80-24" O-42'
+55-15" O-33'
+51-12" O-End Fc-31'
+37-12" O-35'
+24-15" O-43'
+09-24" O-33'

9' 12'

+96-Ent-47'-62'

15 Fc-30' 8' 12'

+60-Ent-12'-25'-37'
+60-N.W. Cor Ho-88'

+16-PP-24'

+78-End 18" C.M.-20'

+76-M.H.-25'

+50-T.P.-22'

14 Fc-29' 8' 13'

+85-Ent

+96-Ent
+79-15" O-40'
+56-12" O-43' +67-12" O-34'
+45-10" O-40' +49-4" O-31'
+26-12" O-44' +29-0" O-33'
+21-12" O-42' +32-9" O-39'
+17-13" O-42' +21-T.P.-21'
+10-6" Tw. O-46'

+66-PP-26'

+10-M.H.-33'

13 7' 13'

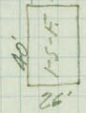
10-6-44

Lowland

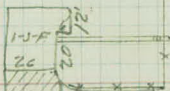
Lowland

Chicken
Yard

Cult.



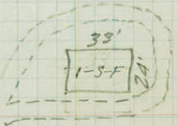
Wood Picket Fence



Conc. Apron

Wall

PENT



8" Tile

12" Water Tank or?

Cult.

M.H. Caved in

Wooded

• 160-Ent Lowland-15'

• 160-Ent Lowland-17'

• 26

10' 10'

• 192-T.P.-25'

• 172-Ent - $\frac{12" \times 26' \text{ CM}}{19'}$

• 134-PP-25

• 131-Fc Cor-26'

• 25

10' 10'

• 167-T.P.-25'

• 135-G.P.-19 P.P.-26'

• 24 Lowland-19'

10' 10' Lowland-19'

• 133-T.P.-24'

• 23

9' 10'

• 182-G.P.-19 P.P.-26'

• 109-T.P.-24'

• 112-30' CM X Drain?

• 22 Lowland-15'

19.5'-22.5'

9' 12' Lowland-20'

~~182-G.P.-19 P.P.-26'~~

• 21

9' 12'

• 128-G.P.-19 P.P.-26'

• 183-T.P.-24'

• 149-S.E. Cor Ho-157'

• 125-S.W. Cor Ho-152'

• 20 Lowland-17'

9' 12'

22'-pale soil

10-944

8

Low land

Uncult

Low land

Hay

Meadow

Ditch

30
L-S-F
24

FC-31

+83-6"O.-40'-34'

+62-Fe Cor.-35'

+55-6" Linden - 42'

+24-T.P.-23' 18"O.-55'-44'

+35-PP-26' +29-8" Ash-40'

+21-5" Elm-30' 33 Brush-31'

11' 9' Fe-30'

+38-Ent- 18"O.-40'-28'

+45-Bog. Fe-28'

+30-6"O.-42' +44-10"O.-37'

+25-24"O.-35' +18-Ent 12"X20" 15'

+21-5" Elm-30' 32 +22-10"O.-39'

11' 9'

+95-10"O.-39' +98-10"O.-48'

+86-PP-25' +79-NW Cor Ho-54'

+88-T.P.-23' +77-SW Cor Ho-91'

+22-10"O.-45' +89-12"O.-56' +77-Bog. Hedge 34'

+55-Ent- 12"X20" 15'

+52-24"O.-41' +80-12" Linden-48'

+41-N.E. Cor Ho-33'

+36-5" TW. Linden-32' +19-Ent +SW Cor Ho-89'

+16-12"O.-37' 31 +27-12"O.-40'

11' 9'

+98-T.P.-23'

+90-5" Linden-29'

+62-5" Trip Linden-22'

+56-6"O.-29' +53-9"O.-29'

+33-5' +34-4" Basswood 29' +11-6"O.-24' +12-6"O.-24'

+35-PP-26' End Fe-29'

+109-6"O.-34' 1"X2' Ho-32'

+104-8"O.-35' 30

11' 9'

+82-T.P.-23'

+84-SW Cor Ho-63' +74-Edge Tie to Ho.

+87-8" Pop-31' +72-4" Pop-32'

+70-4"O.-44'-25' +65-4" 22'

+39-6"O.-32' +36-15"O.-38'

+34-30"O.-49'

+101-S.W. Cor Ho-72'

11' 10' Fe-27'

+86-T.P.-24'

+86-PP-26'

+58-15"O.-52' +45-T.P.-24'

+45-15"O.-42'

+19-End Brush +13-12"O.-44'

+109-Ent- 28

10' 10' Fe-28'

+79-4" Tw O-34'

+52-8" Tw Elgory-35' +22-15"O.-38'

+36-PP-26'

+27-T.P.-24' +16-6"O.-32'

27

10' 10' Fe-25'

26'
15'-F
24'

20'
15'-F
24'

30'
25'-F
26'

21-4" Oaks

24'
15'-F
30'

24'
15'-F
26'

6830'0. + Hedge - 53'

62-24'0. - 44'

28'
15'-F
28'

Uncult.

Trees

Brush

134-Island-66-56'

38 116-Island-56-38'

191-Island-40-32'

176-Cor. Veg. Island-69'

153-Ent. SW. Cor. Bldg.-110'

195-Range Tie to Bldg.-

120-Ent. Treat Brush-44'

37 10' 10'

192-T.R.-23'

121-18" C.I.V. X Drain -

36 Trees-45'

143-T.R.-23'

117-18" O.-42'

35 102-6" O.-41'

Brush-40'

173-Ent.-

140-Grass-66" Lindens-39'

132-T.P.-23'

34 Brush-39'

186-Rd-82'

192-Rd-81'

155-Rd-12'

147-PP-23'

129-End 240-M-29'

181-Fc-Cor-35

175-Ent. Treat Brush-35

154-Range Tie to E-

191-PP-

121-End G.R.-10'

11' 8' Brush-32-70' Fc-80'

146-Beg. G.R.-10' 18" O.-50'

11' 9' Fc-28'

100-18" Trp. Linden-43'

187-PP-25'

180-12" Linden-73'

184-20" O.-36' 15" Trp. Linden-63'

157-150" O.-36' 176-18" O.-36'

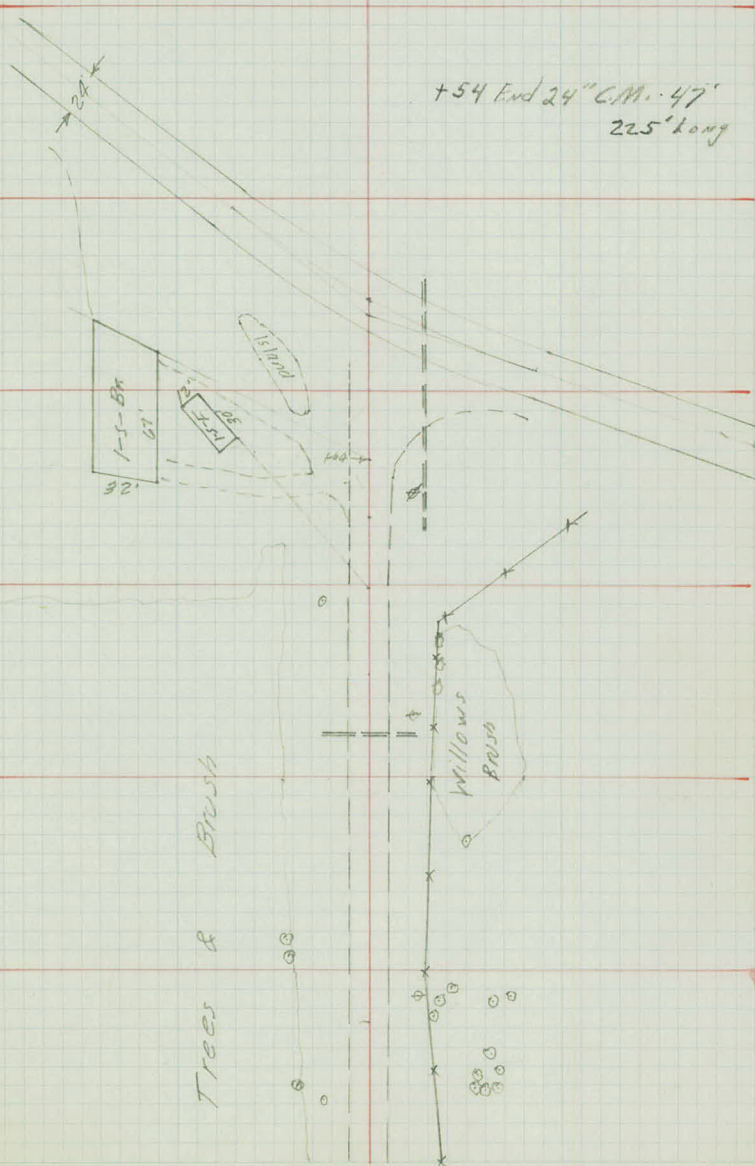
145-12" O.-56' 149-15" O.-67'

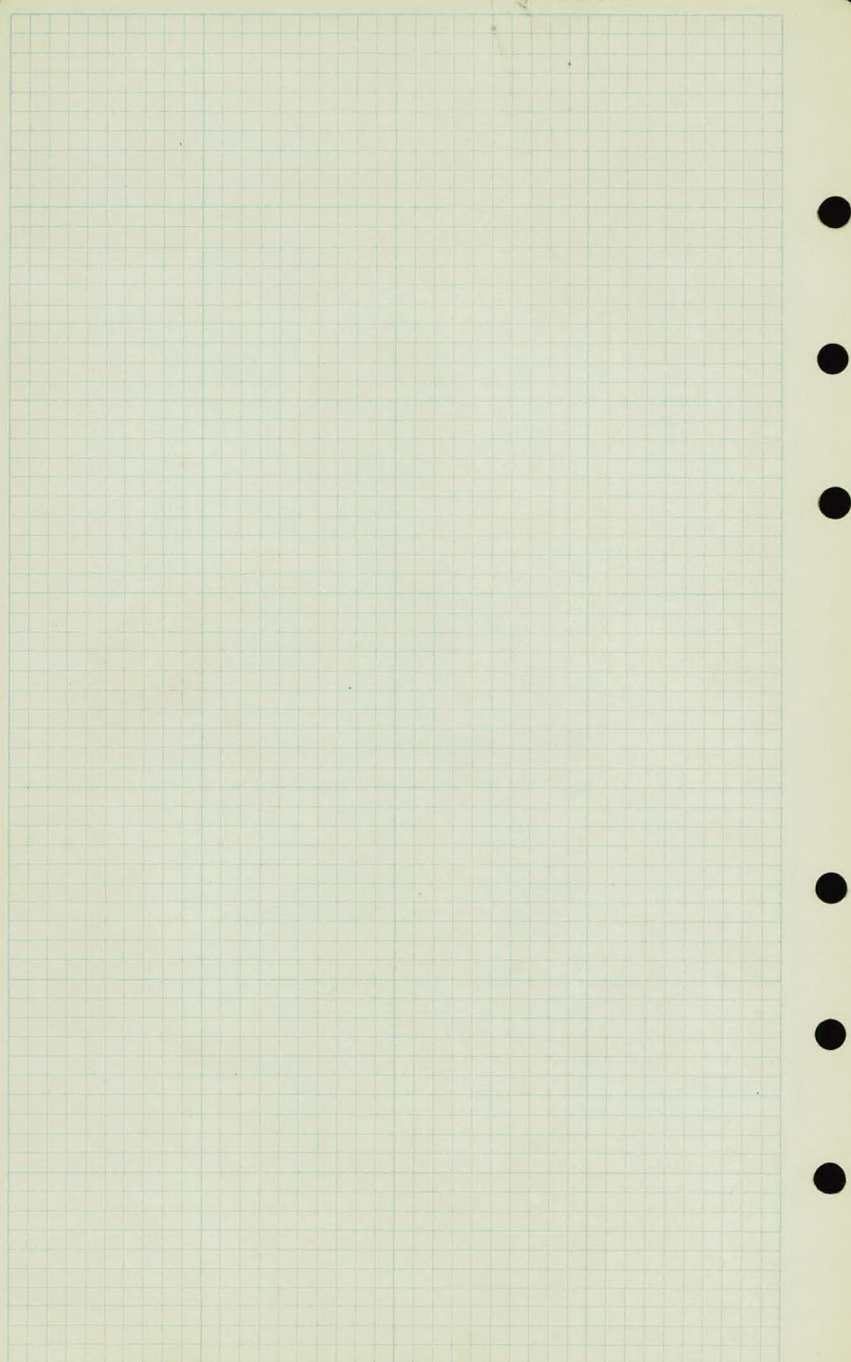
130-15" O.-55' 30" O.-58'

11' 9'

10-9-44

10





Bench Levels

Sta	+	π	-	Elev
B.M.	5.05	877.17		872.12
T.P.	4.62	868.98	12.81	864.36
T.P.	11.22	879.81 ^{.83}	0.37	868.61
B.M.			5.27	874.56
T.P.	2.13	876.39	5.57	874.56 ^{.36}
T.P.	0.97	868.12	9.24	867.15
B.M.	7.35	870.67	4.80	863.32
T.P.	13.37	882.95	1.09	869.58
T.P.	12.19	891.96	3.18	879.77
B.M.			1.59	890.37

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12

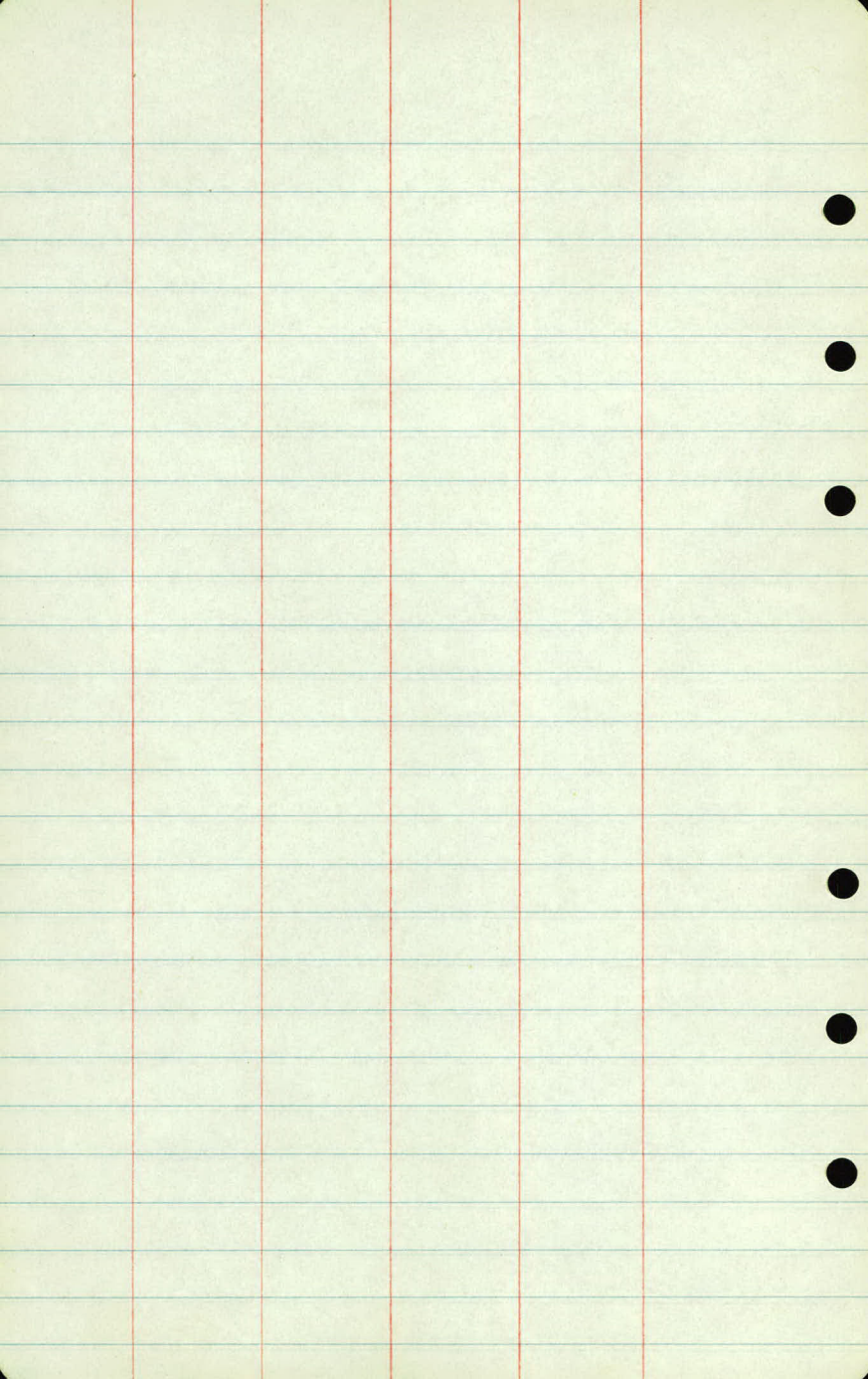
Description

R.R. Spk. in 18" Tw Elm SW Cor. C't Keller Pkwy

Spk. in 18" Oak 90' Rt. Sta 10+50

Spk in 18" Oak 127' Lt. Sta. 24+30

No. Side of Metal Doorsill West Door of Sch. Ho. at S.T.H 61



X sections

Sta.	+	π	-	Elev.
B.M.	17.81	889.93		(872.12)

0 +00

73.7 ✓

+20

73.8 ✓

+29

73.8 ✓

+43

73.8 ✓

+72

73.6 ✓

Lt

E

Rt

Spt in 18" Tw. Elm SW. Cor. Arcade & C"

16.2

16.1 16.4 17.3 17.7 15.9 14.3
13 23 25-27 31 46

8.4 9.1 12.2
100 70 55

15.5 16.5 16.4 16.1 16.3 17.0 17.5 16.3 15.0 10.9
4.4 2.5 1.0 1.3 2.2 2.4-2.6 2.9 3.7 4.5

9.1 10.7 11.5
100 82 63

15.2 12.8 13.2 14.1 16.6 16.5 16.1 16.0 16.8 17.2 17.0
5.8 4.1 3.2 2.4 1.7 7 9 1.9 2.1 2.9

9.9 11.1 11.0 10.7
100 90 55 36

6.3 8.2 8.7 9.1 11.5 16.6 16.6 16.3 16.0 16.4 16.8 17.1 11.5 10.2 11.0
100 65 54 36 2.2 1.4 5 7 1.7 2.0 2.7 3.3 3.7 5.5

9.3 11.4
100 76

Sta + π - Elev

889.93

1

(73.4) ✓

+16

(73.3) ✓

+39

(73.0) ✓

+53

(72.7) ✓

+75

899

(72.3) ✓

2

(71.9) ✓

+31

(71.5) ✓

+69

(70.7) ✓

lt

e

pt

25 53 68 76 (16.5) 10.8 104 107 104 76 ✓
 100 72 45 24 35 38 47 72 100 !

13 45 65 72 (16.6) 9.7 100 8.7 33 ✓
 100 73 40 24 35 47 61 100 .

+05 35 55 64 (16.9) 46 3.2 2.8 ✓
 100 70 46 23 40 66 100 .

+30 0.0 36 53 64 (17.2) 33 2.3 2.2 ✓
 100 87 65 36 23 43 69 100 .

+30 0.0 2.9 3.8 51 6.0 (17.6) 107 28 25 30 ✓
 100 85 78 55 35 24 37 43 60 100

31 38 46 58 (18.0) 36 3.2 41 4.7 4.8 ✓
 100 56 35 25 41 56 86 90 100 .

at ho. 6.0 35 48 58 (18.4) 63 61 57 6.2 L.O. ✓
 64 34 25 38 55 70 86

46 50 52 60 71 (19.2) 8.7 80 81 ✓
 100 71 46 31 25 34 61 100 .

Sta	+	π	-	Elev
		889.93		
2	+91			(70.2) ✓
3				(70.9) ✓
B.M.	5.60	877.72	17.81	872.12
1				73.4
	+16			73.3
	+39			73.0
	+53			72.7
	+75			72.3
2				71.9

Lt.

C

Bl.

6.0 64 73 82 101 (19.7) 119 109 119 170 ✓
 100 73 40 32 24 32 55 75 100

75 85 97 120 (19.9) 135 140 176 ✓
 100 56 30 22 31 43 100

32 46 45 43 41 45 49 ✓
 12 7 3 8 17 22-25

40 46 44 43 46 49 51 ✓
 10 6 7 17 21 23-25

40 47 47 45 48 52 55 48 ✓
 10 5 7 17 23 25 28

40 51 50 48 51 53 57 45 ✓
 8 3 8 17 22 24 29

42 55 54 52 54 55 45 39 ✓
 8 3 7 16 19 21 28

45 59 58 55 57 42 28 ✓
 9 3 8 18 21 29

Sta	+	π	-	Elev
		877.72		

2	+31			71.5
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	+69			70.7
--	-----	--	--	------

	+91			70.2
--	-----	--	--	------

3				70.0
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	+20			69.5	✓
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T.P.	0.51	869.53	870	869.02	
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	+30			69.0	✓
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	+63			68.1	✓
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	+75			67.7	✓
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9-30-44

17

Lt.

2

Et.

57 65 62 59 64 52 40 . ✓
 7 6 7 18 19 28

66 72 70 68 73 69 . ✓
 9 6 7 18 24

72 78 75 73 78 79 . ✓
 10 5 7 19 23

75 81 77 76 81 82 . ✓
 10 6 7 18 23

+0.3 +1.2 1.7 0.7 3.5 82 87 82 81 86 88 73 86 102 111 . ✓
 100 97 68 37 21 11 5 7 19 24 26 46 41 80 .

(shldr.)

70 71 45 00 11 05 03 08 16 26 41 42 . ✓
 88 52 40 19 10 8 20 24 29 41 60 .

0.9 26 +0.5 0.7 1.5 1.8 1.2 1.7 2.5 5.9 7.0 8.4 . ✓
 100 77 33 17 6 7 19 24 31 41 60

4.9 5.6 5.2 1.5 1.8 1.8 1.6 2.7 3.3 7.4 8.5 9.1 . ✓
 60 43 27 18 9 9 21 23 30 44 60 .

Sta.	+	π	-	Elev.
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869.53

4				67.1 ✓
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+50

65.2 ✓

5				63.7 ✓
---	--	--	--	--------

+50

62.5 ✓

6				62.8 ✓
---	--	--	--	--------

+19

62.9 ✓

+60

62.6 ✓

7				62.8 ✓
---	--	--	--	--------

Lt.

4

Pt.

70	78	70	34	34	26	24	25	3.8	8.8	95	9.8	✓
60	49	29	17	12	7		9	22	30	37	60.	

95	95	93	63	53		43	41	47	5.3	10.1	10.1	✓
60	41	24	18	13			9	18	21	29	60	

10.0	10.1	10.0	7.0	6.0	5.8	5.7	6.6	6.8	10.7	10.7	✓
60	33	19	13	6		9	20	22	28	60	

10.3	10.2	10.2	8.5	2.5	7.0	6.6	7.2	7.5	11.9	11.0	10.5	✓
60	30	16	14	10		9	17	21	29	50	60	

10.3	10.5	10.9	8.3	7.4		6.7	6.6	7.3	11.7	10.9	✓
60	32	19	13	7			8	21	28	60	

F.L. 24" C.M.

117
145

F.L. 24" C.M.

10.3	10.3	11.0	11.1	9.2	7.5	6.6	6.6	7.0	7.9	(11.7)	10.0	✓
60	35	25	16	14	4	3		9	17	23	(25)	60

10.3	10.6	11.4	9.0	7.7	7.0	6.9	6.7	7.3	7.8	11.9	10.0	✓
60	36	18	14	10	3		8	19	21	29	60	

10.3	10.5	11.4	8.5	7.0	6.7	6.5	7.1	8.0	10.5	10.5	10.0	✓
60	35	17	13	6		7	17	22	26	35	60	

Sta	+	π	-	Elev
		869.53		

7 +50

64.1 ✓

8

66.4 ✓

+33

67.6 ✓

T.P.	11.07	879.68	0.92	868.61
------	-------	--------	------	--------

+72

69.0 ✓

9

70.0 ✓

+30

71.2 ✓

+65

72.5 ✓

+87

73.1 ✓

B.M.	565	880.22	5.11	874.57	814.56
------	-----	--------	------	--------	--------

1.2
100

9-30-44

19

Lt

E

Rt.

10.2 10.2 10.4 6.1 5.6 5.4 5.2 5.7 6.5 9.8 9.9 9.9 ✓
60 35 18 11 5 7 16 21 26 41 60

10.0 10.0 9.9 4.3 3.5 3.1 2.9 3.9 8.6 8.8 8.8 ✓
60 32 20 12 8 7 20 28 48 60

9.2 9.0 7.9 4.1 2.3 1.9 1.8 2.4 3.0 6.0 6.3 6.0 ✓
60 41 26 18 8 6 18 21 27 41 60

17.7 16.7 13.2 12.6 11.1 11.5 10.7 10.6 11.0 11.5 11.6 10.7 10.0 8.0 5.7 ✓
60 49 31 22 16 7 7 15 22 25 29 48 70 100

13.0 7.4 5.9 5.9 6.6 10.3 10.6 9.7 9.5 10.0 10.5 7.6 7.1 3.7 1.7 10.3 10.8 ✓
77 55 40 33 18 14 9 8 18 22 27 34 38 46 80 100

11.2 3.1 2.0 2.3 8.8 9.2 8.6 8.5 8.3 8.8 7.9 3.9 13.0 12.7 14.6 16.7 ✓
100 63 41 21 13 7 4 8 18 25 35 40 50 64 100

3.0 1.4 12.0 13.5 13.5 0.0 7.6 7.2 7.1 7.6 7.6 8.6 15.9 17.0 16.7 19.3 ✓
100 82 47 32 24 20 9 7 18 20 22 25 41 44 60 100

0.0 4.2 13.0 8.9 16.2 10.5 2.3 5.8 7.0 6.6 6.6 7.0 8.1 8.1 16.7 16.7 16.0 16.7 ✓
75 62 46 33 25 21 17 12 9 8 19 22 24 41 52 77 100

Spl in 18" 0.40 Rt. 10+50

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

880.22

10 +00

73.4 ✓

+18

73.9 ✓

+33

74.1 ✓

+65

74.6 ✓

11

74.9 ✓

+35

75.2 ✓

+70

75.3 ✓

10-4-44

20

Lt

Q

Pt

66 72 68 68 74 78 78 49 43 130
13 10 6 19 21 24 28 31 40

x

115 119 126 135
100 75 54 44

x

52 64 68 65 63 69 68 52 16 22 12
14 10 6 5 6 20 28 42 51 100

x

57 66 62 61 60 63 59 52 44 31
14 7 5 7 16 32 47 72 100

x

52 63 59 56 55 58 65 69 55
16 11 9 7 18 21 31 60

x

18 50 64 63 56 53 51 58 78 84 82 73
30 18 14 12 10 5 18 26 34 48 60

x

51 68 70 55 50 50 56 59 96 97 97 72
30 24 16 10 6 18 25 33 51 60 70

x

30 53 69 56 52 49 48 56 95 91 77
32 26 17 11 7 6 19 29 60 72

x

Sta.	+	π	-	Elev.	
		880.22			
12				75.3	✓
+23				75.2	✓
+51				75.2	✓
+75				75.0	✓
13				74.8	✓
+30				74.4	✓
T.P.	23.40	899.20	442	875.80	
10				(73.4)	
+18				(73.9)	272-47

Lt

C

Rt



12 56 53 49 47 53 58 85 86 77
22 15 7 6 18 19 25 35 60

✓



46 56 53 50 49 52 60 68 78 79
16 12 6 7 17 20 24 50 60

✓



32 54 53 50 49 52 61 76 81
23 11 7 7 17 23 46 60

✓



22 54 54 52 51 55 64 84 88
24 13 7 7 17 22 42 60

✓



31 58 58 54 53 58 88 91 88
25 17 8 7 17 24 38 60

✓



35 59 73 74 63 58 56 63 91 91 87
41 28 21 16 7 4 16 23 43 60

✓

Tie nails rt side = P.P.

193 168 141 123 115 16.8
100 72 46 36 27 24

(25.8)

✓

161 117 108 101 160
100 55.42 27 24

(25.3)

✓

Sta + π - E/er

899.20

10 +33

(74.1)

ET = 55

+65

(74.6)

ET = 90

11

52 = ETW. 38 = N.F.S.
S.W. Cor Hd = 153

(74.9)

ET = 112'

+35

(75.2)

ET = 112'

+70

(75.3)

T.P.

510

900.92

338

895.82

12

(75.3)

+23

(75.2)

+51

(75.2)

10-4-44

22

L^f

C

et.

125 105 103 119
100 78 50 28

(25.1)

X

47 61 134 170
100 83 47 27

(24.6)

X

25 24 55 87 137 187
153 125 100 87 62 38

(24.3)

X

53 117 181
100 78 54

(24.0)

X

44 88 176
100 81 51

(23.9)

X

Nail in PP Top Hill

74 63 97 164
100 87 63 37

(25.6)

X

110 49 56 108 140
100 73 62 42 30

(25.7)

X

Edge of hole

177 167 85 41 38 80
110 103 83 70 61 43

(25.7)

X

Sta	+	π	-	E/er
-----	---	-------	---	------

900.92

12 +75

(75.0)

13

(74.8)

+30

(74.4)

T.P	1.84	879.07	2369	877.23
-----	------	--------	------	--------

T.P	3.17	878.97	3.17	875.90 (875.80)
-----	------	--------	------	-----------------

+65

74.1 ✓

14

73.7 ✓

+41

73.0 ✓

+77

72.5 ✓

15

72.4 ✓

Lt.

E

Pt.

179 79 44 46 89 128
104 82 71 62 45 35

(25.9)

✓

108 77 72 150 188
100 89 74 45 33

(26.1)

✓

117 187
100 66

(26.5)

✓

Nail in PP rt

13 + 10

⁶⁹⁰
100

FL. 12" Pipe

33.5

74 90 91 84 60 53 49 48 51 55 73 73 63 62 ✓
65 51 33 19 13 7 6 15 17 22 27 45 60

120 118 89 64 56 53 52 57 61 67 63 57 ✓
60 48 27 16 7 5 14 17 20 36 60

133 126 114 94 72 64 60 59 63 77 78 72 ✓
60 51 39 18 13 8 5 14 20 37 60

FL. 18" EM

123 190 130 111 106 77 70 65 64 68 82 81 79
20 60 45 31 20 14 7 6 14 25 40 60

11.5

28

FL. 0.75" EM

144 124 120 118 77 91 66 65 66 67 68 64 ✓
60 45 32 22 14 8 6 14 28 51 60

Sta.	+	π	-	Elev
		878.97		

15	+37			72.0 ✓
----	-----	--	--	--------

	+54			71.7 ✓
--	-----	--	--	--------

	+83			71.3 ✓
--	-----	--	--	--------

16				70.9 ✓
----	--	--	--	--------

	+21			70.6 ✓
--	-----	--	--	--------

	+58			70.0 ✓
--	-----	--	--	--------

	+89			69.5 ✓
--	-----	--	--	--------

17				69.3 ✓
----	--	--	--	--------

T.P.	4.08	873.53	9.52	869.45
------	------	--------	------	--------

L

E

R

✓

131	120	105	79	74	70	70	68	51	40
60	40	23	14	7		11	21	40	60

✓

133	120	100	81	76	73	72	59	05	102	+14
60	43	23	14	8		10	33	54	60	88

Car 5/06

✓

130	115	91	84	81		77	76	78	81	75	37	16	110	+19
72	51	28	14	8			5	15	19	22	30	50	57	86

✓

77	84	77	84	84	81	79	82	87	00	+11	+19
65	46	23	19	7		5	15	24	33	57	90

✓

52	55	61	83	87	84	83	86	94	95	102	+10	+20
68	39	23	19	7		5	15	19	24	34	50	85

✓

55	60	65	91	93
65	37	23	18	7

✓

90	89	92	105	102	14	07	106
4	16	19	24	34	46	90	

64 62 68

95 98 95 95 98 115 112 33 33 34

65 42 23

18 8 5 15 20 23 33 57 90

58 58 72 95 100 97 97 100 118 117 42 45 55

60 45 24 14 9 5 15 19 23 33 53 90

Sta	+	π	-	Elev
		873.53		

17	+40			68.6	✓
----	-----	--	--	------	---

	+80			67.9	✓
--	-----	--	--	------	---

	+91			67.6	✓
--	-----	--	--	------	---

18				67.3	✓
----	--	--	--	------	---

	+06			67.1	✓
--	-----	--	--	------	---

	+25			66.6	✓
--	-----	--	--	------	---

	+60			65.8	✓
--	-----	--	--	------	---

19				64.9	✓
----	--	--	--	------	---

T.P.	3.41	867.99	8.95	864.58	
------	------	--------	------	--------	--

Lt

E

Rt

06 11 30 52 49 49 53 70 76 36 41 45 ✓
 66 44 23 11 5 15 19 27 32 43 66

14 23 58 58 56 57 60 78 80 70 73 ✓
 70 42 14 8 5 14 20 29 32 60

76 70 61 59 60 63 77 76 75 ✓
 60 29 7 4 14 23 35 60

78 72 65 62 62 66 81 87 89 ✓
 60 30 7 6 14 22 44 60

46 65 76 76 69 66 64 64 68 90 92 93 ✓
 60 30 22 15 11 8 6 14 25 44 60

70 75 93 93 77 71 69 69 74 113 117 115 ✓
 60 45 25 16 11 7 5 14 25 30 60

106 121 122 87 81 77 78 84 133 135 135 ✓
 60 38 18 10 7 7 15 26 30 60

136 138 137 94 89 86 87 92 100 139 142 142 ✓
 60 35 18 10 7 6 14 17 25 31 60

Sta	+	π	-	Elev
		867.99		

19 +50

64.3 ✓

20

63.7 ✓

+50

63.3 ✓

21

63.1 ✓

+50

63.2 ✓

22

63.4 ✓

+12 30" C.M. + ditch

63.4 ✓

+50

63.6 ✓

Lt

E

Rt

89 90 89 47 42 37 38 45 88 87 87
60 37 21 11 8 5 15 24 41 60

IX

92 93 90 47 X
60 40 18 11

43 43 52 91 91
7 15 23 60

IX

106 102 91 55 47 47 54 94 92 91
60 31 17 10 4 15 22 39 60

IX

110 102 98 54 49 49 58 94 92 91
60 23 19 11 5 16 22 43 60

IX

110 101 89 53
60 29 17 11

48 49 55 91 96 91 91 90 X
6 15 22 27 29 46 60

98 97 87 52 46 47 53 87 94 88 88 89 X
60 30 18 11 6 14 19 27 29 38 60

FL. 7

X FL.

107 58 51 46 47 53 102
19.5 14 9 5 14 22.5

IX

83 86 87 82 50 44 51 76 92 91 84 85
60 40 22 18 11 13 18 24 28 31 60

IX

Sta	+	π	-	Elev
		867.99		
23				63.9. ✓
+50				63.9. ✓
24				64.0 ✓
T.P.	610	870.09	4.00	863.99
B.M.			6.79	863.30 (863.32)
+50				64.1 ✓
25				64.0 ✓
+50				64.2 ✓
26				64.4 ✓
+50				64.6 ✓

Lt

E

Et

84 79 77 71 47 41 47 51 68 70 83 74 78 X
60 41 22 16 11 10 13 17 20 23 26 60

77 74 76 82 68 53 45 41 46 51 69 81 77 80 X
60 40 23 21 16 13 10 11 14 17 22 35 60

80 82 82 86 83 46 40 47 75 84 87 87 X
60 39 23 22 18 11 12 17 21 41 60

Spt. in 24" 0 127' Lt. sta. 24+30

104 106 106 77 66 60 68 94 104 108 108 X
60 43 19 14 9 12 17 19 43 60

107 107 106 77 65 61 70 93 100 103 105 X
60 39 18 14 11 12 16 20 41 60

98 98 96 91 65 62 59 65 70 90 94 98 99 X
60 43 24 17 13 10 11 12 16 23 42 60

88 86 89 86 66 61 57 63 48 86 92 92 90 X
60 44 22 16 13 10 10 12 16 21 41 60

89 89 89 84 63 59 55 59 64 87 90 91 90 X
60 38 19 16 13 10 9 12 17 23 44 60

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

870.09

27				65.1 ✓
----	--	--	--	--------

+50

65.8

28				66.7
----	--	--	--	------

+50

67.7

TP	868	876.45	232	867.77
----	-----	--------	-----	--------

29				69.0
----	--	--	--	------

+35

69.9

+70

71.0

30

71.8

Lt.

E

Rt.

83 82 79 75 56 52 50 55 61 76 80 79
60 40 21 17 13 10 10 13 16 29 60

X

64 60 60 66 64 52 46 43 47 51 69 70 66 68
60 46 23 20 17 13 10 11 12 17 26 39 60

X

35 44 50 44 38 34 38 43 57 54 58
60 28 20 11 9 10 13 16 36 60

X

10 18 28 39 39 31 29 26 24 28 32 50 52 45 48
60 39 23 20 16 13 10 9 10 13 17 27 34 60

X

49 56 67 92 80 76 75 79 83 79 107 104 92 89
60 40 24 20 17 14 10 9 13 17 23 30 35 60

X

37 50 63 83 84 72 69 66 69 73 88 92 92 67 66
60 37 23 20 17 13 10 10 14 18 24 32 36 60

X

32 31 40 48 70 61 58 55
60 48 28 23 18 17 13 10

60 63 72 76 47 34
9 14 17 31 35 60

33 37 43 61 56 50 47 50 56 64 67 44 32 24
60 38 22 18 16 13 11 9 16 18 30 35 48 60

X

sta + π - E/cv

876.45

30 +14

72.2

+45

73.1

+82

74.3

T.P.

7.75

883.33

0.87

875.58

31

74.8

+14

75.2

+32

75.7

+64

76.5

32

77.3

9-5-44

29

Lt

E

Bl

40 32 31 59 49 46
60 48 23 18 16 13 10

43 46 52 57 62 54 54 39 33 26
9 16 18 23 27 33 36 47 60

49 29 26 50 42 38 34
60 39 22 18 16 14 10

37 40 48 52 27 23
9 17 22 25 40 60

50 43 41 33 28 22 25 29 32 0.8 0.1
60 39 22 12 11 8 11 27 41 60

W. End Ent. G.W. 1st 31st

126 114 99 94 91 85 88 92 93 67 60
60 46 23 13 11 9 10 21 45 60

115 93 95 89 86 81 83 87 89 62 57
60 34 25 12 11 9 10 23 45 60

116 80 79 87 84 81 76 79 82 87 85 62 56
60 57 30 25 13 11 8 10 15 21 43 60

75 74 78 78 75 72
60 29 26 15 12 11

68 71 73 79 71 63 58
8 10 16 19 31 60

56 66 71 63 60 62 66 70 64 57 50
60 32 18 12 8 13 16 17 37 60

Sta	+	π	-	Elev.	
		883.33			
32 +33				78.0	
T.P.	13.22	896.09	0.46	882.87	
+63				78.8	
33				79.4	LT
+26				79.7	20 Tr + 3 Stu. ✓ R
+62				80.0	10 ✓ R
34				80.1	Clear + Grub ✓ R
+20				80.1	✓ R
+46				80.0	✓ R
T.P.	2.41	884.83	13.67	882.42	

L

E

R

✓ 36 37 40 45 56 54 53 55 58 63 56 58 53
60 48 29 23 12 11 8 12 16 17 34 60

X ✓

✓ $\frac{10.6}{110}$ $\frac{13.5}{121}$ $\frac{17.3}{130}$ ✓

95 95 100 120 144 181 179 176 173 176 179 186 163 166 173 173
100 89 73 52 22 17 14 11 9 11 15 19 29 32 60

$\frac{15.8}{125}$ $\frac{15.2}{100}$ ✓

✓ 16.7 121 66 6.7 82 174 170 167 173 180 121 132 148 152
115 100 74 50 33 19 12 12 16-18 26 40 54 81

$\frac{14.4}{150}$ $\frac{14.3}{125}$ ✓

✓ 17.8 116 64 50 139 167 167 164 167 172 182 180 9.2 9.8 117 125 126
100 81 56 39 25 18 12 8 13 16 18 28 40 51 75 100

$\frac{12.0}{175}$ $\frac{11.0}{150}$ ✓

✓ 15.5 123 86 155 170 166 164 161 164 168 173 167 35 47 78 91
60 47 34 20 18 15 12 9 13 16 20 33 47 61 100

$\frac{11.4}{200}$ $\frac{11.4}{175}$ $\frac{10.5}{150}$ $\frac{7.8}{118}$ ✓

✓ 215 173 130 166 172 167 162 160 163 167 140 15 19 41
50 36 25 21 18-16 15 11 8 18 24 37 64 100

$\frac{9.4}{200}$ $\frac{9.3}{175}$ $\frac{7.4}{150}$ $\frac{4.4}{125}$ ✓

✓ 247 227 154 154 173 166 162 160 164 166 160 13 0.3 0.1 1.3
60 50 25 22 18-16 14 11 8 14-19 37 64 85 100

✓ 239 239 219 182 175 167 162 161 164 168 176 174 160 69 26 24 13
60 54 42 24 17 15 11 8 11 13 17 21 30 48 70 89

$\frac{6.1}{200}$ $\frac{5.1}{175}$ $\frac{3.0}{150}$ $\frac{0.3}{125}$ $\frac{4.9}{100}$ ✓

Sta + π - Elev

884.83

34 +76

79.9

R

35

79.9

R

+35

79.8

+66

79.9

36

80.3

+21

80.7

+60

81.8

T.P.

1006

892.32

257

882.26

37

83.3 ✓

LH

E

RT

$$\begin{array}{r} +11.2 \\ 134 \end{array} \quad \begin{array}{r} +11.8 \\ 150 \end{array} \quad \begin{array}{r} +10.6 \\ 175 \end{array} \quad \begin{array}{r} +9.8 \\ 200 \end{array}$$

✓ 12.7 11.0 88 58 52 49.5 154 65 63 56 32 16.0 11.7 12.0
60 42 26 15 11 9 12 14 17 19 32 64 89 100

$$\begin{array}{r} +11.1 \\ 200 \end{array} \quad \begin{array}{r} +10.2 \\ 158 \end{array} \quad \begin{array}{r} +8.0 \\ 127 \end{array}$$

✓ 12.4 11.2 100 57 52 49.5 259 77 81 53 16 12.0 16.6
60 42 25 15 11 8 12 18 28 43 60 71 100

$$\begin{array}{r} +4.4 \\ 168 \end{array} \quad \begin{array}{r} +1.5 \\ 132 \end{array} \quad \begin{array}{r} 0.8 \\ 100 \end{array}$$

✓ 12.0 12.6 115 59 52 50.5 611.0 115 11.0 10.2 7.6 5.0
60 30 24 15 11 10 19 27 32 37 55 75

✓ 12.1 12.4 12.2 57 52 49.5 2
60 40 26 14 11 11

12.1 12.6 12.4 6.1
22 34 44 75

✓ 13.0 13.6 13.6 10.2 5.9 4.9 4.5 4.7
60 50 37 24 15 10 10

12.9 12.9 11.8 10.8 5.2
21 32 63 65 87

FL. 18" CM

13.6 ✓ 12.9 13.2 12.5 6.3 5.1 4.6 4.1 4.5
23 65 43 26 17 15 11 11

10.5 13.0 12.6 12.5 10.0 7.1
20 23.5 30 61 72 81

FL. 18" CM

✓ 12.4 12.4 10.7 4.3 3.6 3.0 3.5 9.9 11.2 11.6 9.3
60 37 26 17 11 13 21 33 54 65

✓ 16.9 17.0 15.6 10.9 9.9 9.5 9.0 9.5 10.1 15.7 18.1 16.1 15.8
60 37 30 22 15 10 9 19 30 32 34 48

IX

Sta.	+	π	-	Elev.
		892.32		

37	+29			84.5
----	-----	--	--	------

	+50			85.4
--	-----	--	--	------

	+77			86.6
--	-----	--	--	------

38				87.6
----	--	--	--	------

	+341 Edge Par.			88.7
--	----------------	--	--	------

	+47.83 E Par.	4.4		87.9
--	---------------	-----	--	------

	+62	5.4		86.9
--	-----	-----	--	------

39		5.5		86.8
----	--	-----	--	------

40		4.9		87.4
----	--	-----	--	------

B.M.		2.00		890.32
------	--	------	--	--------

890.37

10-6-44

32

Lt

E

Et

FL. 24 CM.

✓ 129 115 96 87 83 78 84 88 131 145 130 129 ✓
 60 44 33 18 10 9 19 26 29 30 60

✓ 101 91 75 81 74 69 75 76 70 83 87 ✓
 60 44 24 18 9 11 18 35 46 60

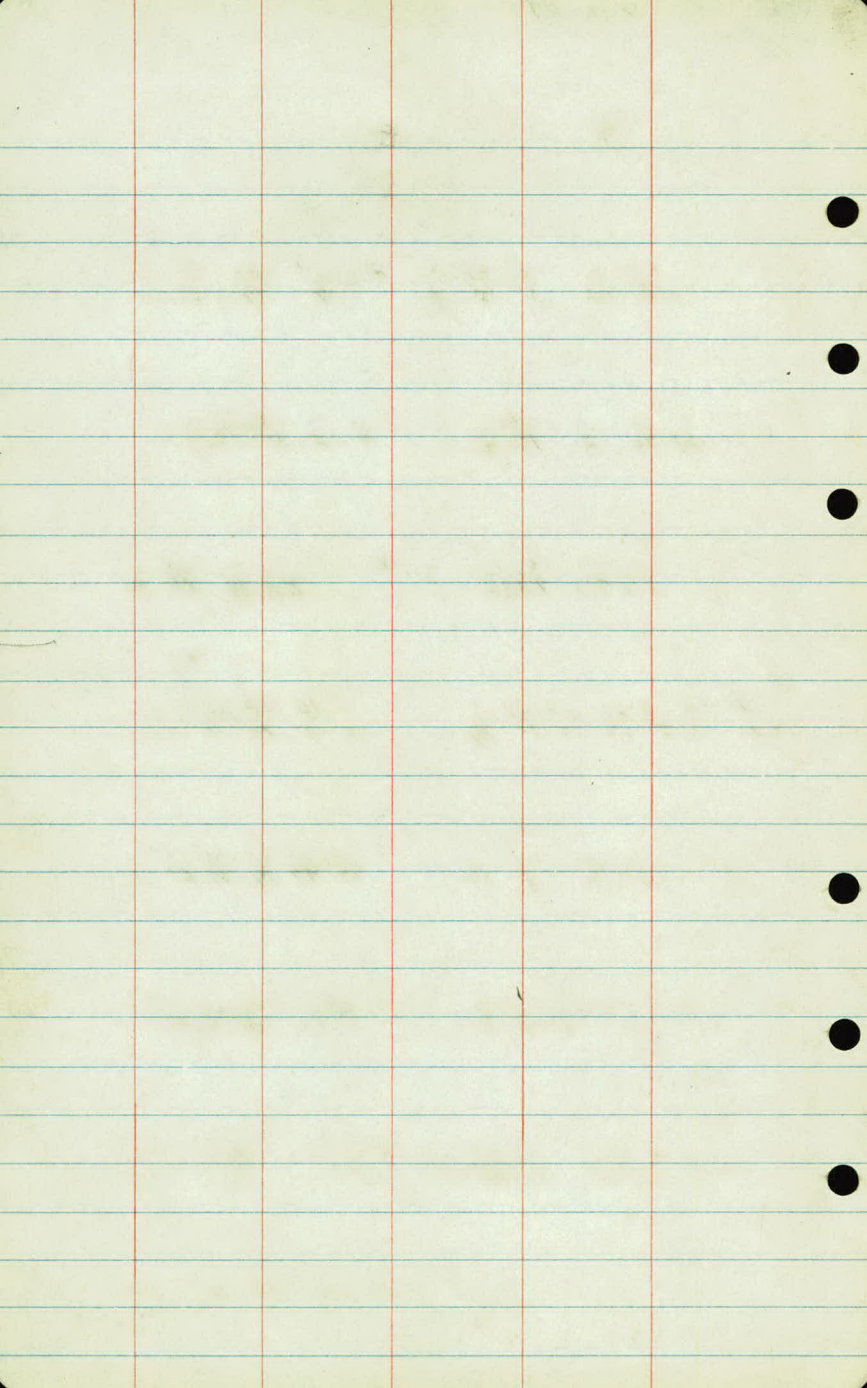
✓ 51 66 68 65 57 59 65 64 59 46 ✓
 60 39 26 12 12 23 38 48 60.

Edge Pav.

✓ 40 55 55 48 48 57 58 47 45 45 36 ✓
 75 52 43 43 33 30 19 14 37 90

✓ 36 39 42 39 36 40 23 ✓
 21 49 49 61 61 82

Top No. side on Metal Doorsill W. side of Sch. at "C" + 61



Co. Bd "C"

Soundings

K.A. +20°
C.F.
C.N.

12-14-44
4-12-45

Sta	Feet	Material
4 +00	35' Bt	
	0-4'	Pect
	4'-	Sand
+50	32' Bt	
	0'-15'	Push
5 +00	20' Lt	
	0'-19'	Push
+50	20' Lt	
	0"-22'	Push
6 +00	20' Lt	
	0-26'	Push
7 +00	20' Lt	
	0'-22'	Push
+50	22' Lt	
	0'-23'	Push
8 +00	30' Bt	
	0'-8'	Push

Sta.

Location

Depth

18 +50

25 ft

0'-6' Push

19

30 ft

0'-6' Push

20

30 ft

0'-7.5' Push

21

"

0'-8' "

22

"

0'-10' "

23

"

0'-7' "

24

"

0'-4' "

25

"

0'-4' "

26

"

0'-7' "

+50

"

0'-7' "

27

"

0'-5' "

+50

"

0'-4' "

