

PLANS SURVEY

LINWOOD AVENUE

From East Ave. to E. County Line Rd.

*Ramsey County Proj. 28-76
Road %c N^o 76*

Office of Ramsey Co. Engineer
ST. PAUL, MINN.

Plans Filed

12-16-27

File No.

Alignment

0+00 to 52+78²⁵

Various Rd. 9/c.

Rd. Bot. Sec. 12 & 13 - T. 28 N. R. 22 W.

From East Ave. to East Co. Line

LINWOOD AVE.

28-76

Sta. Point Δ Lt. Δ Rt

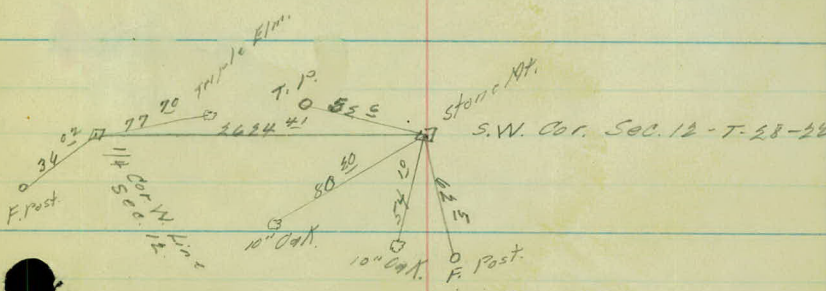
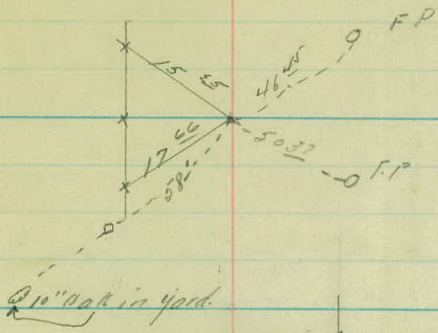
18+62³ P.O.T

10+93⁰⁵ P.O.T

11-11-201

4+59⁴⁰ P.O.T

0+00



Sta Point A Lt. A Rt

41+29⁵⁵ P.O.T

33+86¹ P.O.T

26+41⁵⁷ P.I

0°36'

23+62⁰⁰ P.O.T


10' oak

60
57

Nail in to Oak Ground

50
47


12" Oak
Nail in 8" Oak Ground

92' 1 1/2 M. 

24'

Top P.P. Pole

1 M. 

6" App. Tr. 

81.32

Nail in 20" Oak

80.25

Nail 18" Oak

1/2 x 2" Hulp.

60'

about 300

12" Oak
15" Oak
20" Oak

○

52+78²⁵ Mont.

• .62. Flag

Nail in 14" Oak.

①

3/1

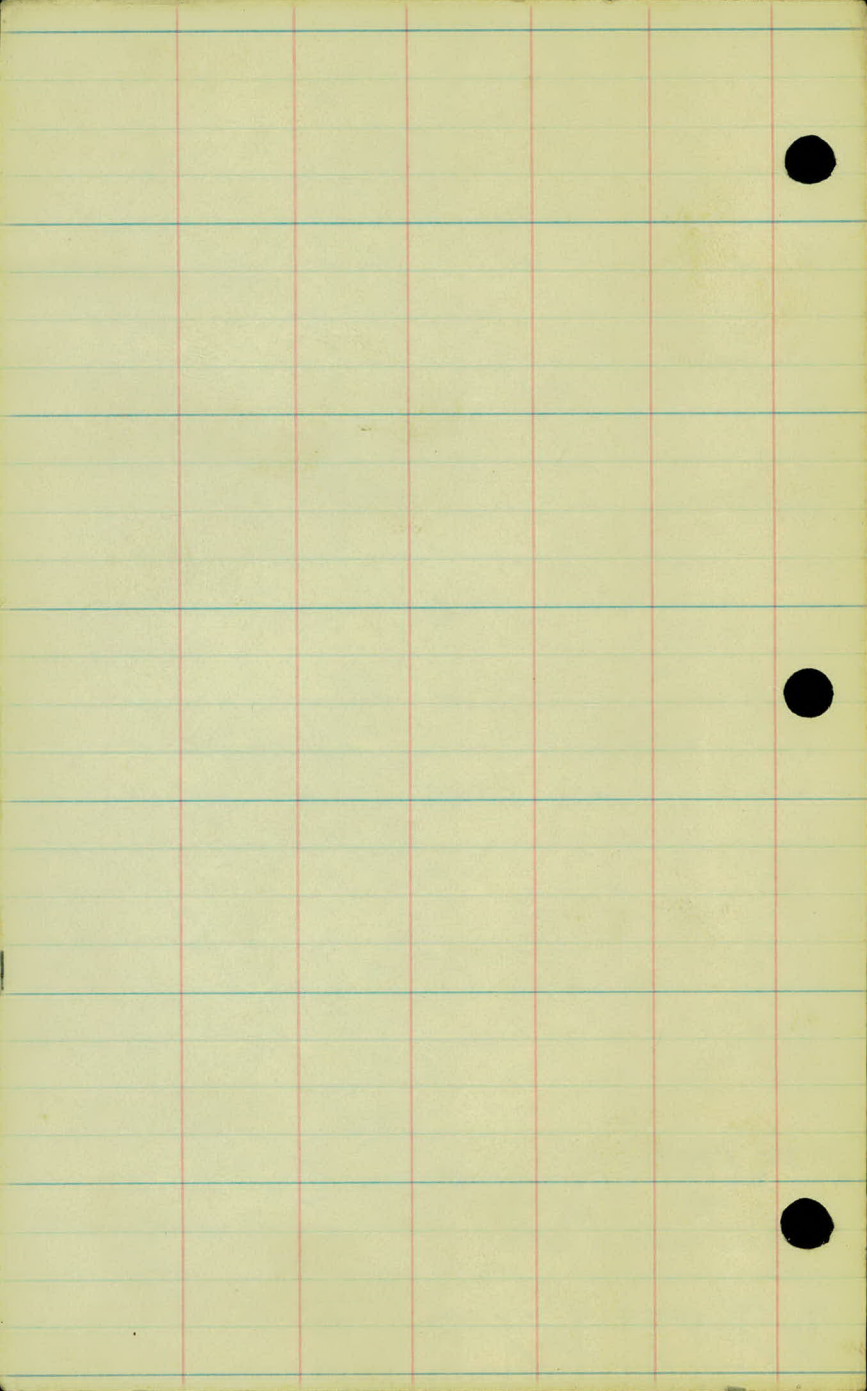
188

37.25'

②

6" Box Elder.





Levels
From East Ac - Minnah St.
To
Proj of Various Rd %.

CWS.
D.S.
K.H.
R.Y.

B.M.	750	1003.54 ✓		996.04
T.P.	3.76	1005.23 ✓	2.07	1001.47 ✓
B.M.	455	1002.89 ✓	6.89	995.34 ✓
T.P.	450	1000.14 ✓	7.25	995.64 ✓
T.P.	1.17	999.31 ✓	2.00	998.14 ✓
B.M.			9.90	989.41 ✓
T.P.	9.40	999.38 ✓	9.33	989.98 ✓
T.P.	0.58	992.19 ✓	7.77	991.61 ✓
B.M.	436	992.19 ✓	4.36	987.83 ✓
T.P.	13.29	998.09 ✓	7.39	984.80 ✓
T.P.	12.91	1009.29 ✓	1.71	996.38 ✓
T.P.	4.87	1004.22 ✓	7.94	999.35 ✓
T.P.	0.71	992.06 ✓	12.89	991.35 ✓
T.P.	0.54	981.69 ✓	10.93	981.13 ✓
T.P.	0.51	973.40 ✓	8.78	972.89 ✓
T.P.	11.95	984.84 ✓	0.51	972.89 ✓
B.M.	839	992.20 ✓	10.3	982.81 ✓
T.P.	0.95	992.31 ✓	0.84	991.36 ✓
T.P.	0.81	983.56 ✓	9.56	982.75 ✓
T.P.	0.73	973.87 ✓	10.42	973.14 ✓
T.P.	7.96	972.97 ✓	8.86	965.01 ✓
T.P.	13.30	985.41 ✓	0.86	972.11 ✓
T.P.	10.97	985.58 ✓	0.80	984.61 ✓
B.M.	13.21	1000.25 ✓	8.54	989.04 ✓
T.P.				

Tophydrant East Ave & Minnkota St
C. W. S.
W. W. Rd.
R. Y.

T.P.

W. W. Rd.

Spike in T.P. S.W. Cor Minnkota St & East Cobine

Spike in T.P. SE Cor Hudson Rd & East Cobine

Spike in NE Cor Upper Atton Rd & East Cobine

Sta	+	HZ	-	Elev
		1000.25 ✓		
T.P.	6.20	993.64 ✓	12.81	987.44 ✓
T.P.	13.11	1005.34 ✓	1.41	992.23 ✓
T.P.	13.30	1017.69 ✓	0.90	1004.39 ✓
T.P.	12.92	1030.01 ✓	0.60	1012.09 ✓
T.P.	13.19	1042.62 ✓	0.58	1029.43 ✓
T.P.	12.78	1054.91 ✓	0.49	1042.13 ✓
T.P.	7.31	1061.69 ✓	0.53	1054.38 ✓
T.P.	0.48	1052.82 ✓	9.35	1052.34 ✓
T.P.	0.44	1042.29 ✓	11.99	1040.85 ✓
B.M.			2.70	1038.59 ✓
T.P.	8.93	1039.28 ✓	10.94	1030.45 ✓
T.P.	3.45	1035.30 ✓	7.43	1031.85 ✓
T.P.				
B.M.			1.82	1033.48 ✓

7/18/27 3
C.W.S.
D. J. T.
W.W. R. d
R.Y.

Spike in T.P. M.W. Cor lower Atton Rd & East Coline

Sta	+	HI	-	Elev.
B.M.	7.74	1041.22 ✓		1033.48 ✓
T.P.	1.33	1039.42 ✓	5.13	1036.09 ✓
T.P.	12.70	1046.18 ✓	3.74	1033.48 ✓
B.M.	7.60	1046.18 ✓	7.60	1038.58 = 1038.59
T.P.	13.00	1058.57 ✓	0.61	1045.57 ✓
T.P.	0.42	1057.65 ✓	1.34	1057.23 ✓
T.P.	0.41	1044.98 ✓	13.08	1044.57 ✓
T.P.	0.48	1032.20 ✓	13.26	1031.72 ✓
T.P.	0.62	1020.02 ✓	12.80	1019.40 ✓
T.P.	0.54	1007.71 ✓	12.85	1009.17 ✓
T.P.	0.45	995.01 ✓	13.15	994.56 ✓
T.P.	4.09	997.97 ✓	1.12	993.89 ✓
B.M.	0.96	988.00 ✓	10.97	977.00 = 997.64
T.P.	0.62	976.97 ✓	11.65	976.35 ✓
T.P.	12.94	979.14 ✓	10.77	966.20 ✓
T.P.	12.51	991.24 ✓	0.44	978.73 ✓
T.P.	2.05	992.23 ✓	1.06	990.18 ✓
B.M.	0.92	984.73 ✓	8.39	983.84 = 983.81
T.P.	0.80	973.68 ✓	11.85	972.88 ✓
T.P.	12.86	985.97 ✓	0.57	973.11 ✓
T.P.	13.28	998.42 ✓	0.83	985.14 ✓
T.P.	8.97	1006.53 ✓	0.86	997.56 ✓
T.P.	4.18	1001.41 ✓	9.20	997.23 ✓
T.P.	0.53	990.69 ✓	11.25	990.16 ✓

8/24/27
C.W. 10
D.S. X
R.H. Ford
W.W.

Spike in P.P. left of Proposed Rd. & East Co. Line.

Spike T.P. N.W. Cor Lower Afton. & East Co. Rd

Spike in M.E. Cor Upper Afton & East Co. Line

Spike in P.P. SE Hudson Rd & East Co. Line

Sta	+	H I	-	Elev
		990.69		
T.P.	8.36	992.38	6.67	984.02
B.M.	8.00	995.93	4.50	987.88 = 987.83
T.P.	1.80	992.33	1.30	994.53
T.P. B.M.	12.89	1002.30	6.89	989.44 = 989.41
T.P.	4.88	1000.52	6.66	995.64
T.P.	6.74	1004.70	2.56	997.96
T.P.	0.69	1002.15	3.24	1001.26
B.M.			6.10	996.05 = 996.04

8/24/27

5

CWS

DS. K

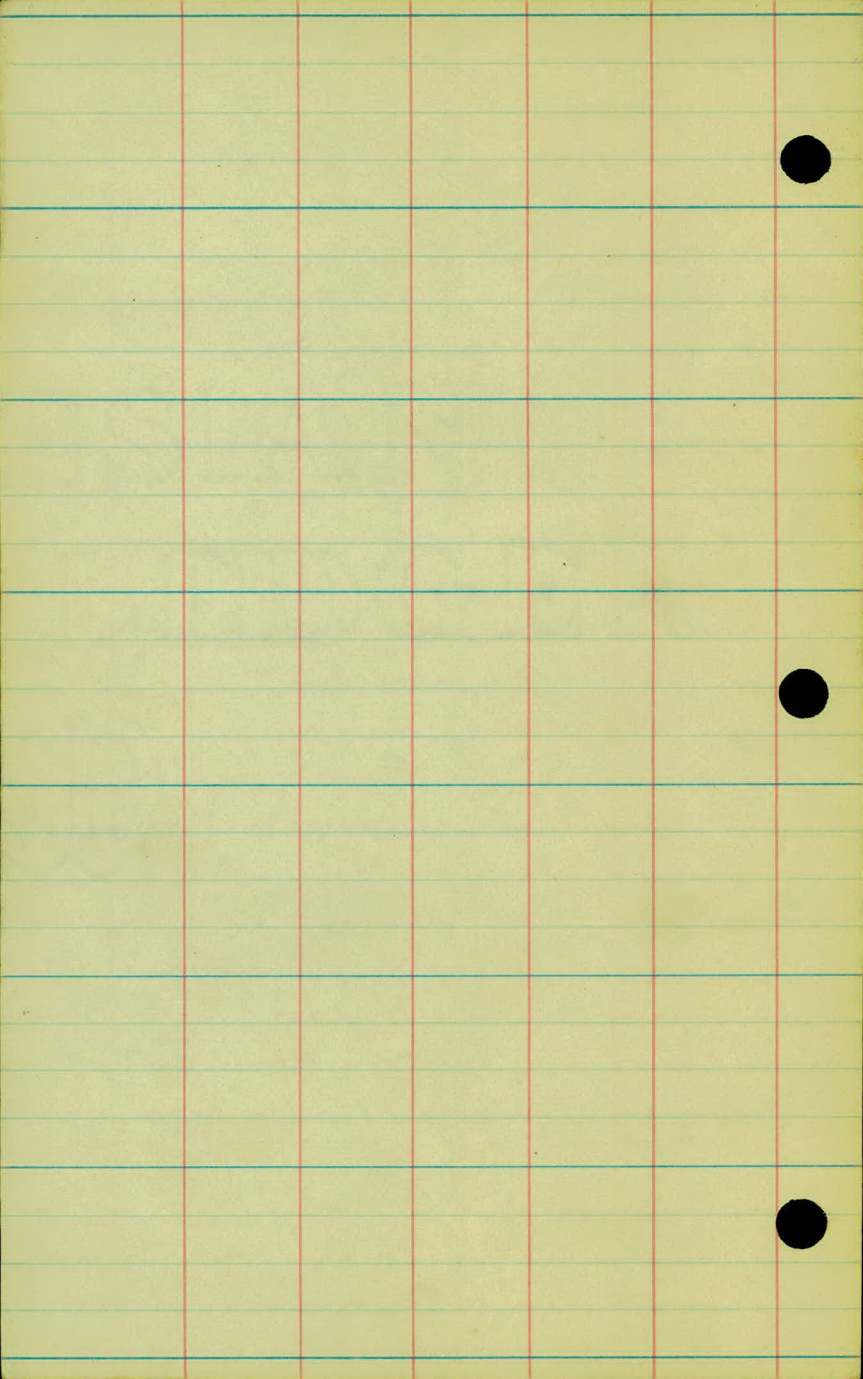
Ry. Rod.

W.W.

Spoke in T.P. S.W. Cor Minnha. St & East Coline

S.W. Cor of Wing of Col East End Union Cemetary

Top Hyd N.W. Cor East Ave & Minnha. St.



8/24/27
CWS
DJK
R4, Rd
WNI

B.M.s. & Xsections.

From:

0+00 To 52+78²⁵.

Various Rd 9/6

Sta	+	HI	-	
B.M.	3.38	1036.86		1033.48
T.P.	13.20	1042.71	2.35	1029.51
T.P.	13.14	1053.44	2.41	1040.30
B.M.	13.25	1063.29	3.40	1050.04
T.P.	11.73	1068.21	6.81	1056.48
B.M.			2.31	1065.90
T.P.	2.28	1058.08	12.41	1055.80
T.P.	1.13	1046.46	12.75	1045.33
B.M.	0.76	1035.76	11.46	1035.00
T.P.	0.74	1023.90	12.60	1023.16
T.P.	0.43	1011.43	12.90	1011.00
T.P.	2.85	1001.81	12.47	998.96
B.M.			8.03	993.78
T.P.	0.81	990.13	12.49	989.32
T.P.	0.57	977.56	13.07	972.06
T.P.	1.21	966.24	12.53	965.03
T.P.	0.56	954.85	11.95	954.29
B.M.			3.41	951.44

8/24/27

CW 12.
D 5 X
NW 1/4 Rd.
R. Y.

3 spike in PP left Proposed Rd.

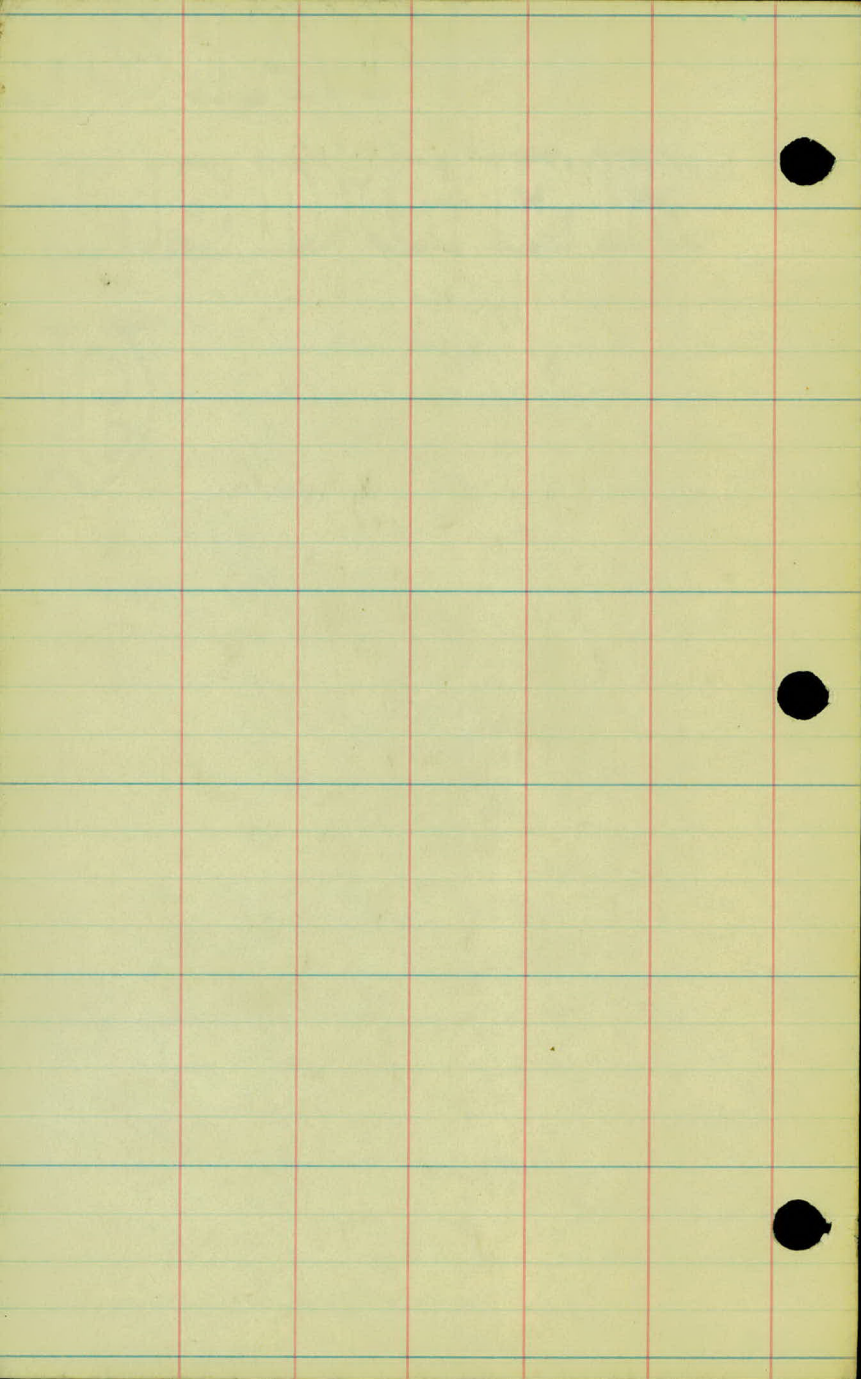
spike 8" Oak 35' Rt Sta 42+50

spike in stump 1' Rt Sta 34+85

spike in 10" Oak 33' Rt Sta 23+80

spike in 20" Oak 40' Lt Sta 13+20

spike in 12" Oak 30' NW^{of} Mont.



Topography

From

0100-52178.95

Various Rd 46

LINWOOD AVE

28-76

5+00

4+00

3+00

2+00

1+00

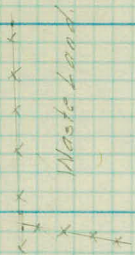
0+00

7/19/23

+92 T 29'
+70 S/P 21'
+64 S/P 14'
+58 S/P 16'
+42 S/P 22'
+35 S/P 11'
+15 S/P 17'
+00 S/P 14'

+12 S/P 16'

F14'



Waste Land

+86 S/P 14'
+78 S/P 14'
+70 F 22'

F21'

+92 F 22' 1/2

+83 T P 12'

F21

+50 S/P 6'
+44 S/P 3'
+13 S/P 12'
+12 S/P 5'
+08 T P 17'

F20

Alfalfa

Hay Meadow

+84 T 20'
+64 T 16'
+07 S/P T 15'
F17'

+45 T P 18'

+70 S/P 18' 8"
+42 S/P 16'
+33 F 15'

East Ave

11+00

+14 Drive Pt

10+00

9+00

8+00

+00 Drive Lt.

7+00

6+00

7/18/21

Raspberry Patch

Flower Bed

Cultivated

Orchard

Orchard

Tree Fruit Trees
Every 20' to 25'

6-59 Row Fruit Trees 4' to 5' to 6'
Every 20'

F14 - Rasp 18'

+25 Ry Rasp 22 1/2'
+50 F 14'
+35 T 22'
+20 F 20'
+30 F 20'
+18 T 31'

F14 F 26
+22 T 31 (48 3/4)
+25 F 22 250 2 1/2'
+30 F 22 1 1/2'
+45 F 33 24 3/4 30
+50 T 20'
+36 T 20'
+44 T 20'
+40 20 T 20'

F14

+20 T 20'
+25 T 20'
+55 T 20'
+40 T 20'
+35 B 20'
+20 T 20'

+20 T 20'
F14

+53 A.T. 21'

F14

+59 F 15'

+25 T 21'

+40 25 20' F12

+54 F.P. 18'

+32 T.P. 16'

+78 T.P. 18'

17+00

16+00

15+00

14+00

+52

X Drain

10' Lt

10' Rt

12" X 20' C.M.

13+00

12+00

+41 Big Oak 23'
+42 End Rasp 20'

Corkland

X
X

Water Land

F 11'

X

+40 End Brush 12'

Raspberry

6' 7'

+45 Big Rasp 30' 50'

+51 End 12'

X X X

+30 Tr 17'

+42 Big Brush 9'

25'

End 20'

+44 Tr 8'

+30 End Or 20'

+30 Or 11'

Brush 11'

6' 7'

Cultivated

+40 Big Or 15'

+47 Big Brush 21'

+25 Or 22'

+55 Or 30'

+30 Or

+40 End Or 8'

+46 End Brush 11'

Brush 11'

12'

+30 Big Brush 8'

+45 Brush 50'

Timber

+40 Big Brush 15'

11'

X X X X

+20 FC 15'
+30 End Rasp 22'
F13 Rasp 22'

Cultivated

X X X X X X X X

Raspberry Patch

F14 Rasp 20'

23+00

22+00

+95 R Drive

Rt A +76

10 ft

10 ft

+01 X Drain

12" X 20' C.M.

21+00

20+00

+85 R Drive Rt & Rt.

19+00

+70 Drive Lt.

18+00

7/11/27

14' x 150

+50 Cult Bush 17'

19' 10"

F 34 Br 5'

27' 10"

+45 Reg Bush 10'

F 35 F 10'

+90 F 30 Br 16'

+40 Br 1 Br 12'

Cult

Br 10' F 38

+64 Br 1 Br 19'

F 39'

+70 Reg Cultivation
+79 F 30 W
+60 F 12'

x x x x x x x x x x

+79 F 30 Br 1

+71 Br 1 P. 26'

+79 Br 1 Br 25'

F 13 R R 23'

F 40 Br 10'

Orchard
+ Rubber Patch

+86 Reg Rubber Patch
+29 F 40 Br 10'

+20 Br 1 Br 11'

F 40 Br 10'

64

Cultivated

29+00

28+00

+62 Side Drain 12" x 20' C.M.

27+00

26+00

25+00

24+00

7/18/77

+89 Drag Br 29'
+753/1/1/2/25

2. N. 1/2 P. 24

201.4 P. 19

+70 Cal 11'
+54 Bog Cal 22'

+29 End Br 20'
+48 End Pond 19'

Pond 12

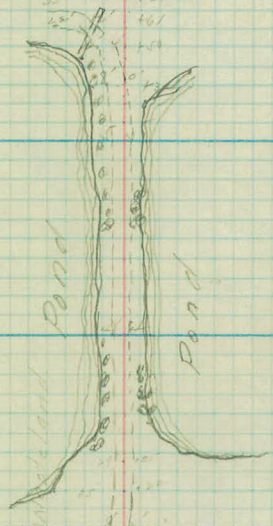
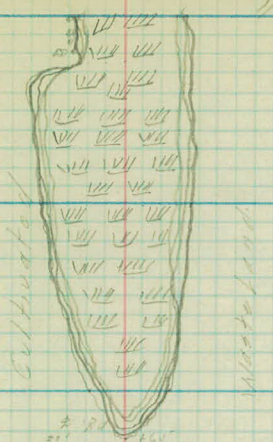
+74 Pond 15'

+60 End Br 9'

Pond 14

F88 Brush 11'
+792- 11. 11'
+597. 9'
+66 Clear Willow 16'
+44 Pond 11'
+35 Pond 25'
+20 C Pond 35'

1/2 End Cultivation



11' 31' 35'

1975

Pasture

201.4 P. 25

2. N. 1/2 P. 27

+31 E Pond 10'

Pond 11'

+74 Pond 9.2'
+69 End Br 9'

+77 Bog Br 9'

Pond 13'

+82 Pond 14'
+81 To 13'
+5 End Br 10'
+65 Bog Br 12'

F30'

F35'

35+00

34+00

33+00

32+00

31+00

30+00

3/18/07

+92 stp 30
+90 stp 20'
+88 stp 4'

+89 stp 2'
+85 stp 8'

+85 Big Cultivation
+85 with Hillside
Field.

Cul.

Cultivated
Clover Field.

+25 stp 12'

+85 End Brush.
10' 10'

+05 Brush R. 4 W
10' 10'

+75 stp 18'

+49 End Brush R. 7 W
21' 21'

+50 stp 20

+19 stp 2'

or 4' E

Cultivated



or 17' E

+66 Big Brush.
0'-25' E

+55 End Br. 16'

+60 Big Brush 21'

+55 End Br. 35'

+00 or 29'

SW stp 29



+66 End Swamp P.

2 Swamp 25'

41+00

40+00

39+00

38+00

37+00

36+00

7/8/27

Hay Meadow

Thicket

+275 Fp 20
 +297 F 8'
 +26 F 19
 +753 Fp 9'
 +713 F 18'
 +713 Fp 9'
 +645 11'

+0 T 9'
 +03 F 21 +293 F 12
 +43 F 20
 +506 T 14
 +34 F 21
 +182 T 16 + 20'
 +12 F 14

F 18' T 18 6'

+57 F Cal 14'
 +56' 23 F 22-26
 +48 21 10'
 +40 21 21'
 +31 13 F 21'
 +30 3 31 10'
 +26 21 23
 +19 23 F 9'

+98 T 24'
 +85 T 20'
 F 21' T 18 6'
 +76 A F 23'
 +67 X F 8'
 +59 F Cal 35'
 +51 F 13 F 23 6'
 +27 20 21'
 +27 T 30'
 +25 T 21'

Br 3' F 20'

Br 3'

+95 21 25'

+80 Bay Br 12'

Cultivated

Clover Field

F 21'

+00 Bay F 21 21'

F 15'



+10 Bay F B
 +10 Bay 3 10 10 F

47+00

46+00

45+00

44+00

43+00

42+00

Cut.

Trail 4

+02 X 15' B
B1 5'-15' F 13'

Trail 3

+56 X F 20'
By Br. 10-19
F 21'

+81 F 26'-21'
+58 T 19'
+18 T 24'
+15 T 24'
+01 T 30'
F 21 Trail 13'

Trail 2

Hay Meadow

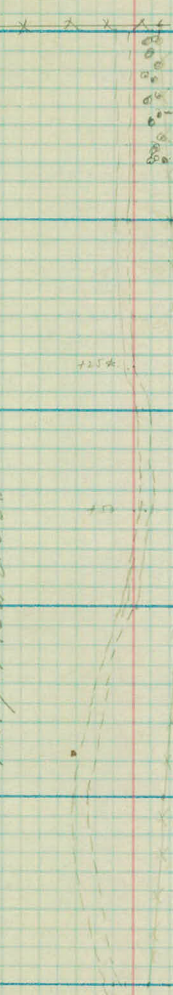
Timber

Trail 1 & 7
+76 T 32'

F 29'
+73 End Brush
+20 Beg Brush
+01 T 25'
F 18'
+00 End Brush
+95 F 29'
+72 Beg Brush 9'
+70 Sp 9'
+61 T 28'
+49 T 30'
+31-37 T 28'
+23 T 10'
+05 T 10' F 10'

Trail 1

Trail 0



53+00

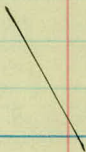
52+00



51+00



50+00



49+00



48+00

East Co. line

150 End Cr.

150 Floor 2'

Br 1-11 1/2 Tract 1/2

F 11

150 T. 2'

+

Br 1-6 1/2 Tract 1/2

F 00

150 2nd Floor 5'

150 T. 1/2

150 F 3'

150 T. 2'

150 T. 2'

150 End Cr.

150 Floor 1'

1/2 Tract 1/2 Cr 1'

F-0 Cr 2'

Cultivated

Cultivated

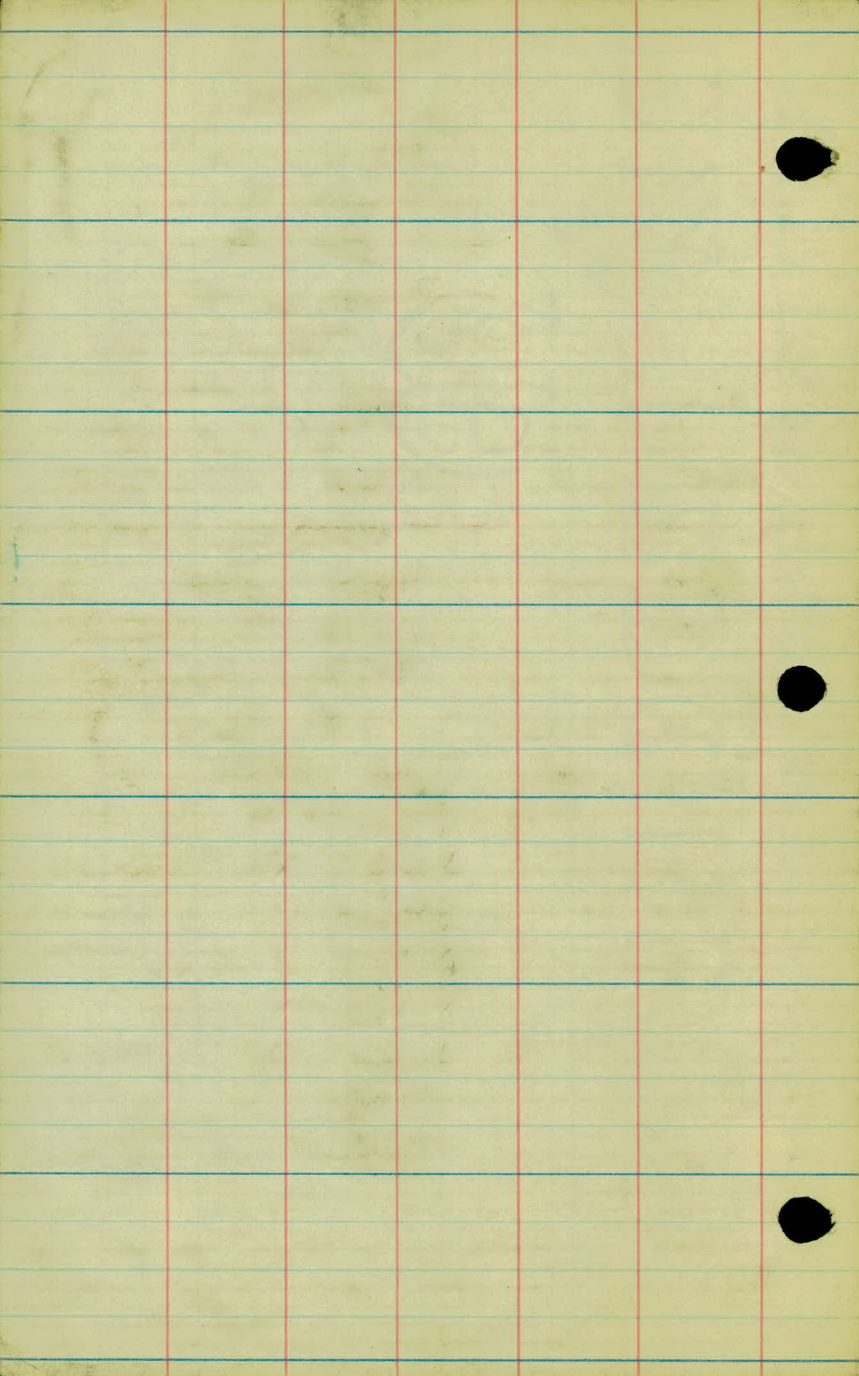
Br 1-11 1/2 Tract 1/2

Br 12 F 5'

150 F 3'

Br 1-11 1/2 Tract 1/2

Br 13 F 5'



349	+	HI	-	E/W.
B.M.	2.58	954.02 ✓		951.44 ✓
0+00				49.9 •

+12				48.9 •
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+50				48.7 •
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1+00				49.9 •
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+50				50.9 •
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2+00				53.2 •
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T.P.	7.99	963.57 ✓	0.44	953.58 ✓
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+50				55.6 •
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3+00				57.1 •
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+35				57.8 •
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+75				58.8 •
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4+00				59.3 •
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+50				58.4 •
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=pike in 12" Oak 30' N.W. of Mont.

$\frac{50}{33}$	41	$\frac{32}{33}$
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$\frac{40}{33}$	$\frac{40}{23}$	$\frac{30}{12}$	51	$\frac{47}{33}$
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$\frac{68}{33}$	$\frac{61}{14}$	$\frac{54}{7}$	53	$\frac{53}{18}$	$\frac{40}{21}$	$\frac{30}{33}$
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$\frac{66}{33}$	$\frac{22}{9}$	41	$\frac{41}{16}$	$\frac{30}{22}$	$\frac{26}{33}$
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$\frac{95}{33}$	$\frac{82}{14}$	$\frac{33}{5}$	31	$\frac{31}{8}$	$\frac{37}{11}$	$\frac{32}{33}$
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$\frac{52}{33}$	$\frac{37}{12}$	$\frac{10}{6}$	38	$\frac{06}{11}$	$\frac{15}{16}$	$\frac{102}{25}$	$\frac{105}{33}$
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above 41 5

$\frac{72}{33}$	$\frac{62}{19}$	$\frac{78}{14}$	80	$\frac{84}{19}$	$\frac{66}{25}$	$\frac{72}{33}$
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$\frac{44}{33}$	$\frac{43}{19}$	$\frac{63}{14}$	$\frac{62}{5}$	6.5	$\frac{60}{21}$	$\frac{60}{33}$
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$\frac{44}{33}$	$\frac{47}{16}$	$\frac{52}{4}$	38	$\frac{52}{9}$	$\frac{48}{21}$	$\frac{45}{33}$
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$\frac{68}{33}$	$\frac{60}{16}$	$\frac{50}{17}$	48	$\frac{53}{14}$	$\frac{38}{19}$	$\frac{38}{33}$
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$\frac{66}{33}$	$\frac{50}{21}$	$\frac{40}{16}$	$\frac{47}{12}$	43	$\frac{42}{4}$	$\frac{48}{8}$	$\frac{40}{14}$	$\frac{33}{17}$	$\frac{48}{33}$
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$\frac{46}{33}$	$\frac{48}{18}$	$\frac{32}{13}$	52	$\frac{25}{6}$	$\frac{77}{14}$	$\frac{94}{33}$
-----------------	-----------------	-----------------	----	----------------	-----------------	-----------------

2+0	+	HJ	-	E/G
		963.57	✓	
5+00				58.8 •
+50				60.0 •
6+00				61.7 •
T.P.	977	972.42	✓	0.92 962.65 ✓
+30				62.8 •
+65				64.2 •
7+00				65.2 •
+50				67.5 •
8+00				69.7 •
T.P.	10.19	980.83	✓	1.78 970.64 ✓
+40				72.3 •
9+00				76.3 •
T.P.	12.26	990.90	✓	2.19 978.64 ✓
+50				80.5 •
10+00				84.7 •

43/33 42/17 53/11 48 54/9 48/13 65/33

88/33 42/16 42/7 57/4 36 44/8 75/16 86/33

above ME

105/33 0.2/17 2.0/11 19 20/8 30/18 47/33

57/33 57/17 90/11 96/7 76 100/11 84/14 88/20 104/33

80/33 75/22 68/17 84/12 82 85/7 90/14 81/16 92/33

80/33 78/30 80/10 71/6 72 75/6 80/16 84/33

45/33 50/24 58/20 50/8 44 50/5 62/10 64/17 55/21 55/33

27/33 32/14 26/9 25 27/8 41/27 42/33

88/33 90/17 87/7 85 86/6 102/10 104/24 100/30 97/33

17/33 31/22 50/16 44/10 45 47/6 56/11 48/15 45/28 42/33

60/33 70/25 104/16 104 105/8 108/11 108/17 120/34 120/33

18/33 18/28 30/23 57/18 62 67/5 62/11 66/15 73/16 84/33

	+	HI	-	Elev.
3+9		990.90 ✓		
+50				87.7 ✓
T.P.	9.29	998.25 ✓	1.94	988.96 ✓
11+00				89.7 ✓
+50				90.5 ✓
12+00				91.1 ✓
+52				91.7 ✓
B.M.			448	993.77 = 993.78 ✓
13+00				90.3 ✓
+24				89.2 ✓
+50				89.2 ✓
14+00				90.9 ✓
+22				91.7 ✓
458				95.3 ✓
T.P.	10.21	1006.48 ✓	1.98	994.29 ✓
19+00				98.3 ✓

8/25/22 CWS
D.S.K.
B.W.T.d
K.Y.

above H.S.

$\frac{70.9}{33}$ $\frac{60}{24}$ $\frac{30}{11}$ 32 $\frac{36}{10}$ $\frac{28}{15}$ $\frac{54}{33}$

$\frac{56}{33}$ $\frac{68}{22}$ $\frac{80}{18}$ $\frac{85}{10}$ 86 90 $\frac{96}{16}$ $\frac{104}{17}$ $\frac{120}{33}$

$\frac{48}{33}$ $\frac{68}{18}$ $\frac{74}{11}$ 78 $\frac{85}{7}$ $\frac{92}{8}$ $\frac{98}{16}$ $\frac{104}{11}$ $\frac{110}{33}$

$\frac{52}{33}$ $\frac{68}{18}$ $\frac{72}{10}$ $\frac{72}{11}$ $\frac{81}{7}$ $\frac{90}{9}$ $\frac{91}{18}$ $\frac{94}{33}$

$\frac{38}{33}$ $\frac{64}{14}$ 64 70 $\frac{60}{17}$ $\frac{65}{21}$ $\frac{71}{33}$

Spire in 20" Oct 40' at Sta 13+20

$\frac{60}{33}$ $\frac{63}{28}$ $\frac{77}{20}$ 80 $\frac{92}{9}$ $\frac{94}{31}$ $\frac{101}{33}$

$\frac{70}{33}$ $\frac{85}{24}$ $\frac{93}{13}$ 91 $\frac{92}{7}$ $\frac{126}{15}$ $\frac{138}{20}$ $\frac{138}{33}$

culvert 106

110 Culvert

$\frac{100}{33}$ $\frac{104}{24}$ $\frac{106}{12}$ $\frac{81}{8}$ 91 $\frac{92}{5}$ $\frac{132}{15}$ $\frac{133}{17}$ $\frac{148}{19}$ $\frac{140}{33}$

$\frac{67}{33}$ $\frac{76}{16}$ $\frac{77}{13}$ $\frac{75}{9}$ 74 $\frac{75}{3}$ $\frac{90}{7}$ $\frac{106}{13}$ $\frac{112}{12}$ $\frac{117}{18}$ $\frac{128}{33}$

$\frac{44}{33}$ $\frac{37}{30}$ $\frac{48}{25}$ $\frac{62}{21}$ $\frac{70}{16}$ $\frac{60}{10}$ 64 $\frac{65}{7}$ $\frac{82}{13}$ $\frac{85}{18}$ $\frac{96}{20}$ $\frac{112}{33}$

above H.S. 42.5

$\frac{15}{21}$ $\frac{1.8}{26}$ $\frac{40}{20}$ $\frac{40}{16}$ $\frac{50}{15}$ $\frac{51}{11}$ $\frac{31}{8}$ 30 $\frac{33}{7}$ $\frac{61}{19}$ $\frac{90}{33}$

$\frac{08}{33}$ $\frac{12}{31}$ $\frac{23}{14}$ $\frac{34}{21}$ $\frac{100}{11}$ $\frac{85}{7}$ 82 $\frac{87}{9}$ $\frac{113}{11}$ $\frac{138}{29}$ $\frac{150}{33}$

Sta	+	HI	-	Elev
		1006.48		
15+50				999.8
+80				1001.0
16+00				02.0
+40				05.0
T.P.	11.79	1017.15	11.2	1005.36
+64				08.1
17+00				12.7
T.P.	11.05	1027.60	0.60	1016.55
+50				17.3
18+00				20.7
+50				23.2
	7.26	1031.18	3.68	1023.92
19+00				23.6
+50				22.2
+84				20.0

$$\frac{32}{33} \quad \frac{43}{24} \quad \frac{53}{17} \quad \frac{80}{13} \quad \frac{20}{5} \quad 67 \quad \frac{74}{7} \quad \frac{47}{12} \quad \frac{113}{24} \quad \frac{123}{33}$$

$$\frac{56}{33} \quad \frac{72}{19} \quad \frac{21}{9} \quad \frac{58}{6} \quad 55 \quad \frac{57}{6} \quad \frac{105}{14} \quad \frac{115}{18} \quad \frac{133}{31} \quad \frac{134}{33}$$

$$\frac{72}{33} \quad \frac{27}{26} \quad \frac{25}{18} \quad \frac{20}{11} \quad \frac{48}{5} \quad 45 \quad \frac{47}{7} \quad \frac{108}{16} \quad \frac{122}{26} \quad \frac{134}{33}$$

$$\frac{71}{33} \quad \frac{67}{18} \quad \frac{24}{10} \quad \frac{16}{7} \quad 15 \quad \frac{16}{10} \quad \frac{67}{18} \quad \frac{65}{26} \quad \frac{72}{33}$$

$$\frac{130}{53} \quad \frac{114}{20} \quad \frac{113}{16} \quad \frac{94}{6} \quad 71 \quad \frac{92}{10} \quad \frac{128}{21} \quad \frac{149}{33}$$

$$\frac{67}{33} \quad \frac{40}{24} \quad \frac{29}{13} \quad \frac{51}{7} \quad 45 \quad \frac{51}{12} \quad \frac{40}{14} \quad \frac{88}{33}$$

$$\frac{69}{33} \quad \frac{57}{23} \quad \frac{60}{16} \quad \frac{113}{10} \quad 193 \quad \frac{113}{10} \quad \frac{70}{17} \quad \frac{72}{23} \quad \frac{106}{33}$$

$$\frac{55}{33} \quad \frac{22}{22} \quad \frac{22}{17} \quad \frac{28}{14} \quad \frac{63}{9} \quad 69 \quad \frac{70}{9} \quad \frac{42}{10} \quad \frac{40}{16} \quad \frac{44}{24} \quad \frac{63}{33}$$

obviro HT

$$\frac{102}{33} \quad \frac{10}{12} \quad \frac{47}{7} \quad 44 \quad \frac{46}{11} \quad \frac{25}{15} \quad \frac{28}{23} \quad \frac{42}{33}$$

$$\frac{44}{33} \quad \frac{31}{13} \quad \frac{74}{9} \quad 76 \quad \frac{76}{11} \quad \frac{35}{17} \quad \frac{22}{33}$$

$$\frac{58}{33} \quad \frac{20}{18} \quad \frac{24}{13} \quad \frac{88}{9} \quad 70 \quad \frac{93}{9} \quad \frac{22}{15} \quad \frac{80}{33}$$

$$\frac{88}{32} \quad \frac{75}{19} \quad 112 \quad \frac{115}{9} \quad \frac{120}{18} \quad \frac{110}{33}$$

Sta	+	HI	-	Elev
20+00		1021.18		1018.2
T.P.	405	1022.75	12.48	1018.70
	+36			16.6
	+58			16.3
21+00				15.8
	+50			16.4
22+00				18.7
T.P.	10.69	1032.34	1.10	1021.65
	+50			23.8
23+00				28.4
T.P.	6.83	1037.15	2.02	1030.32
	+18			30.7
	+40			31.9
BM			2.16	1034.99 = 1035.00
	+75			32.5
24+00				30.0

Chas
D. J.
R. Y. Rod.
Wm

$\frac{100}{33}$ $\frac{115}{10}$ $\frac{124}{1}$ 130 $\frac{125}{2}$ $\frac{126}{6}$ 130 $\frac{140}{20}$ $\frac{140}{33}$

$\frac{54}{33}$ $\frac{58}{12}$ $\frac{60}{5}$ 62 $\frac{60}{7}$ $\frac{28}{14}$ $\frac{92}{22}$ $\frac{100}{33}$

$\frac{85}{33}$ $\frac{72}{11}$ $\frac{70}{7}$ 65 $\frac{67}{9}$ $\frac{105}{15}$ $\frac{113}{33}$

$\frac{72}{33}$ $\frac{77}{14}$ $\frac{77}{10}$ $\frac{71}{5}$ 70 $\frac{74}{5}$ $\frac{109}{11}$ $\frac{117}{19}$ $\frac{121}{33}$

$\frac{50}{33}$ $\frac{57}{9}$ $\frac{60}{5}$ 64 $\frac{68}{8}$ $\frac{75}{15}$ $\frac{85}{33}$

$\frac{18}{33}$ $\frac{22}{31}$ $\frac{34}{17}$ $\frac{42}{6}$ 44 $\frac{44}{7}$ $\frac{54}{12}$ $\frac{65}{33}$

$\frac{55}{33}$ $\frac{68}{14}$ $\frac{82}{8}$ 65 $\frac{82}{7}$ $\frac{94}{13}$ $\frac{112}{33}$

$\frac{12}{33}$ $\frac{07}{22}$ $\frac{15}{16}$ $\frac{40}{11}$ $\frac{34}{5}$ 39 $\frac{32}{2}$ $\frac{56}{16}$ $\frac{96}{33}$

$\frac{46}{33}$ $\frac{45}{27}$ $\frac{42}{18}$ $\frac{37}{13}$ $\frac{22}{7}$ $\frac{28}{3}$ 65 $\frac{81}{12}$ $\frac{116}{25}$ $\frac{128}{33}$

$\frac{44}{33}$ $\frac{46}{19}$ $\frac{66}{16}$ $\frac{64}{10}$ $\frac{68}{4}$ $\frac{53}{2}$ 53 $\frac{71}{14}$ $\frac{90}{24}$ $\frac{101}{33}$

Sp. Ho. 17 10" Oak 33' Pt 219 ~~31185~~
 $\frac{47}{33}$ $\frac{43}{28}$ $\frac{87}{20}$ $\frac{80}{13}$ $\frac{82}{7}$ $\frac{49}{1}$ 47 $\frac{32}{13}$ $\frac{52}{23}$ $\frac{42}{29}$ $\frac{45}{33}$

$\frac{46}{33}$ $\frac{34}{29}$ $\frac{100}{20}$ $\frac{94}{12}$ $\frac{100}{6}$ 72 $\frac{72}{12}$ $\frac{77}{15}$ $\frac{70}{20}$ $\frac{13}{30}$ $\frac{16}{33}$

34	+	HI	-	E/cu
		103.75		
24+39				24.2
T.P.	1.44	1026.23	12.36	1024.79
+78				20.6
25+00				18.9
+26				16.1
T.P.	1.44	1015.82	11.85	1014.38
+50				13.3
+90				10.9
26+00				10.6
+50				09.3
T.P.	5.03	1013.54	7.21	1008.51
27+00				09.0
+44				09.1
+63				07.1
28+00				06.1

8/26/27

C.W.D.
D.O. H.
R. H. P.H.
W.H.

$\frac{97}{33}$	$\frac{87}{28}$	$\frac{139}{19}$	$\frac{130}{10}$	$\frac{132}{3}$	130	$\frac{132}{6}$	$\frac{120}{15}$	$\frac{90}{21}$	$\frac{60}{30}$	$\frac{35}{23}$
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above
F.H.E. ↓

$\frac{42}{33}$	$\frac{35}{24}$	$\frac{26}{19}$	$\frac{23}{4}$	26	$\frac{68}{2}$	$\frac{55}{7}$	$\frac{52}{15}$	$\frac{00}{26}$	$\frac{42}{29}$	$\frac{20}{33}$
-----------------	-----------------	-----------------	----------------	----	----------------	----------------	-----------------	-----------------	-----------------	-----------------

$\frac{50}{33}$	$\frac{21}{23}$	$\frac{22}{20}$	$\frac{25}{6}$	23	$\frac{80}{9}$	$\frac{23}{16}$	$\frac{57}{24}$	$\frac{12}{30}$	$\frac{11}{33}$
-----------------	-----------------	-----------------	----------------	----	----------------	-----------------	-----------------	-----------------	-----------------

$\frac{160}{33}$	$\frac{155}{28}$	$\frac{120}{14}$	$\frac{108}{13}$	$\frac{102}{5}$	101	$\frac{101}{5}$	$\frac{101}{17}$	$\frac{93}{25}$	$\frac{74}{30}$	$\frac{33}{33}$
------------------	------------------	------------------	------------------	-----------------	-----	-----------------	------------------	-----------------	-----------------	-----------------

M.

W

$\frac{113}{33}$	$\frac{95}{18}$	$\frac{88}{12}$	$\frac{28}{6}$	25	$\frac{23}{7}$	$\frac{19}{20}$	$\frac{11}{25}$	$\frac{06}{33}$
------------------	-----------------	-----------------	----------------	----	----------------	-----------------	-----------------	-----------------

M

W

W

$\frac{123}{33}$	$\frac{115}{18}$	$\frac{102}{14}$	$\frac{82}{12}$	$\frac{50}{5}$	47	$\frac{51}{6}$	$\frac{65}{10}$	$\frac{100}{16}$	$\frac{95}{33}$
------------------	------------------	------------------	-----------------	----------------	----	----------------	-----------------	------------------	-----------------

F.B.

M

F.B.

M

W

W

M

M

$\frac{131}{33}$	$\frac{123}{22}$	$\frac{123}{20}$	$\frac{100}{16}$	$\frac{55}{5}$	52	$\frac{54}{5}$	$\frac{64}{9}$	$\frac{102}{14}$	$\frac{112}{18}$	$\frac{112}{33}$
------------------	------------------	------------------	------------------	----------------	----	----------------	----------------	------------------	------------------	------------------

F.B.19

F.B.19

F.B.19

F.B.19

$\frac{101}{33}$	$\frac{98}{12}$	$\frac{68}{9}$	$\frac{64}{5}$	65	$\frac{67}{6}$	$\frac{103}{15}$	$\frac{114}{33}$
------------------	-----------------	----------------	----------------	----	----------------	------------------	------------------

F.B.19

F.B.19

W

W

3.

3.

3.

$\frac{28}{33}$	$\frac{78}{22}$	$\frac{78}{12}$	$\frac{60}{9}$	$\frac{45}{4}$	45	$\frac{47}{6}$	$\frac{80}{12}$	$\frac{94}{18}$	$\frac{90}{21}$	$\frac{88}{33}$
-----------------	-----------------	-----------------	----------------	----------------	----	----------------	-----------------	-----------------	-----------------	-----------------

$\frac{63}{33}$	$\frac{60}{26}$	$\frac{78}{21}$	$\frac{54}{14}$	$\frac{42}{11}$	44	$\frac{64}{7}$	$\frac{66}{19}$	$\frac{44}{33}$
-----------------	-----------------	-----------------	-----------------	-----------------	----	----------------	-----------------	-----------------

$\frac{20}{33}$	$\frac{32}{20}$	$\frac{40}{9}$	$\frac{61}{5}$	64	$\frac{65}{20}$	$\frac{52}{31}$	$\frac{44}{33}$
-----------------	-----------------	----------------	----------------	----	-----------------	-----------------	-----------------

$\frac{28}{33}$	$\frac{40}{27}$	$\frac{60}{20}$	$\frac{74}{20}$	74	$\frac{70}{23}$	$\frac{60}{24}$	$\frac{55}{30}$
-----------------	-----------------	-----------------	-----------------	----	-----------------	-----------------	-----------------

	+	HI	-	Elev
27+9		1013.54 ✓		
28+50				06.1
29+00				06.2
+50				06.2
30+00				06.5
+50				06.9
T.P.	13.06	1022.52 ✓	4.08	1009.46 ✓
+73				07.3
31+00				09.5
+20				15.0
+40				20.5
T.P.	11.09	1032.53 ✓	0.78	1021.74 ✓
+60				27.8
T.P.	11.92	1041.20 ✓	3.55	1029.28 ✓
+75				35.8
T.P.	10.77	1051.04 ✓	0.93	1040.27 ✓
32+00				44.0
T.P.	11.79	1060.63 ✓	1.70	1049.34 ✓

$$\begin{array}{r} 3. \\ \hline 76 \\ 33 \end{array} \quad \begin{array}{r} 3. \\ \hline 76 \\ 25 \end{array} \quad \begin{array}{r} 3. \\ \hline 74 \\ 29 \end{array} \quad \begin{array}{r} 3. \\ \hline 65 \\ 29 \end{array} \quad \begin{array}{r} 3. \\ \hline 20 \\ 26 \end{array} \quad \begin{array}{r} 5.0 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 3. \\ \hline 28 \\ 33 \end{array} \quad \begin{array}{r} 3. \\ \hline 28 \\ 28 \end{array} \quad \begin{array}{r} 3. \\ \hline 28 \\ 27 \end{array} \quad \begin{array}{r} 3. \\ \hline 27 \\ 33 \end{array}$$

$$\begin{array}{r} 3. \\ \hline 65 \\ 33 \end{array} \quad \begin{array}{r} 3. \\ \hline 78 \\ 20 \end{array} \quad \begin{array}{r} 3. \\ \hline 73 \\ 28 \end{array} \quad \begin{array}{r} 3. \\ \hline 73 \\ 28 \end{array} \quad \begin{array}{r} 3. \\ \hline 72 \\ 33 \end{array}$$

$$\begin{array}{r} 5.4 \\ \hline 30 \end{array} \quad \begin{array}{r} 5.3 \\ \hline 28 \end{array} \quad \begin{array}{r} 6.1 \\ \hline 25 \end{array} \quad \begin{array}{r} 3. \\ \hline 70 \end{array} \quad \begin{array}{r} 3. \\ \hline 62 \\ 30 \end{array} \quad \begin{array}{r} 3. \\ \hline 68 \\ 33 \end{array}$$

$$\begin{array}{r} 4.3 \\ \hline 33 \end{array} \quad \begin{array}{r} 4.3 \\ \hline 31 \end{array} \quad \begin{array}{r} 3. \\ \hline 70 \\ 23 \end{array} \quad \begin{array}{r} 3. \\ \hline 66 \end{array} \quad \begin{array}{r} 3. \\ \hline 60 \\ 20 \end{array} \quad \begin{array}{r} 5.0 \\ \hline 25 \end{array} \quad \begin{array}{r} 4.2 \\ \hline 31 \end{array} \quad \begin{array}{r} 2.9 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 12.5 \\ \hline 33 \end{array} \quad \begin{array}{r} 12.8 \\ \hline 27 \end{array} \quad \begin{array}{r} 14.5 \\ \hline 24 \end{array} \quad \begin{array}{r} 15.3 \\ \hline 16 \end{array} \quad \begin{array}{r} 15.2 \\ \hline 8 \end{array} \quad \begin{array}{r} 14.5 \\ \hline 8 \end{array} \quad \begin{array}{r} 8.7 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 11.5 \\ \hline 33 \end{array} \quad \begin{array}{r} 11.6 \\ \hline 21 \end{array} \quad \begin{array}{r} 14.0 \\ \hline 16 \end{array} \quad \begin{array}{r} 13.0 \\ \hline 15 \end{array} \quad \begin{array}{r} 9.5 \\ \hline 27 \end{array} \quad \begin{array}{r} 6.2 \\ \hline 27 \end{array} \quad \begin{array}{r} 4.6 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 10.1 \\ \hline 33 \end{array} \quad \begin{array}{r} 10.0 \\ \hline 21 \end{array} \quad \begin{array}{r} 9.1 \\ \hline 19 \end{array} \quad \begin{array}{r} 9.8 \\ \hline 10 \end{array} \quad \begin{array}{r} 9.4 \\ \hline 8 \end{array} \quad \begin{array}{r} 7.5 \\ \hline 13 \end{array} \quad \begin{array}{r} 5.0 \\ \hline 23 \end{array} \quad \begin{array}{r} 2.5 \\ \hline 23 \end{array} \quad \begin{array}{r} 4.0 \\ \hline 33 \end{array} \quad \text{Above H.I.}$$

$$\begin{array}{r} 7.5 \\ \hline 33 \end{array} \quad \begin{array}{r} 6.6 \\ \hline 20 \end{array} \quad \begin{array}{r} 7.5 \\ \hline 9 \end{array} \quad \begin{array}{r} 5.7 \\ \hline 3 \end{array} \quad \begin{array}{r} 8.2 \\ \hline 2 \end{array} \quad \begin{array}{r} 20. \\ \hline 1 \end{array} \quad \begin{array}{r} 10 \\ \hline 4 \end{array} \quad \begin{array}{r} 0.3 \\ \hline 20 \end{array} \quad \begin{array}{r} 3.0 \\ \hline 20 \end{array} \quad \begin{array}{r} 7.2 \\ \hline 33 \end{array} \quad \text{Above H.I.}$$

$$\begin{array}{r} 13.0 \\ \hline 33 \end{array} \quad \begin{array}{r} 11.0 \\ \hline 26 \end{array} \quad \begin{array}{r} 9.7 \\ \hline 14 \end{array} \quad \begin{array}{r} 8.4 \\ \hline 7 \end{array} \quad \begin{array}{r} 5.2 \\ \hline 2 \end{array} \quad \begin{array}{r} 5.0 \\ \hline 7 \end{array} \quad \begin{array}{r} 3.1 \\ \hline 7 \end{array} \quad \begin{array}{r} 2.0 \\ \hline 7 \end{array} \quad \begin{array}{r} 2.5 \\ \hline 26 \end{array} \quad \begin{array}{r} 4.8 \\ \hline 33 \end{array} \quad \text{Above H.I.}$$

$$\begin{array}{r} 14.8 \\ \hline 33 \end{array} \quad \begin{array}{r} 12.3 \\ \hline 31 \end{array} \quad \begin{array}{r} 13.8 \\ \hline 17 \end{array} \quad \begin{array}{r} 10.5 \\ \hline 9 \end{array} \quad \begin{array}{r} 11.2 \\ \hline 7 \end{array} \quad \begin{array}{r} 7.7 \\ \hline 2 \end{array} \quad \begin{array}{r} 5.4 \\ \hline 1 \end{array} \quad \begin{array}{r} 5.4 \\ \hline 18 \end{array} \quad \begin{array}{r} 1.5 \\ \hline 27 \end{array} \quad \begin{array}{r} 2.5 \\ \hline 33 \end{array} \quad \text{Above H.I.}$$

$$\begin{array}{r} 15.0 \\ \hline 33 \end{array} \quad \begin{array}{r} 14.8 \\ \hline 29 \end{array} \quad \begin{array}{r} 12.1 \\ \hline 16 \end{array} \quad \begin{array}{r} 10.8 \\ \hline 6 \end{array} \quad \begin{array}{r} 7.8 \\ \hline 4 \end{array} \quad \begin{array}{r} 7.0 \\ \hline 5 \end{array} \quad \begin{array}{r} 6.2 \\ \hline 14 \end{array} \quad \begin{array}{r} 4.2 \\ \hline 20 \end{array} \quad \begin{array}{r} 3.2 \\ \hline 20 \end{array} \quad \begin{array}{r} 0.9 \\ \hline 33 \end{array}$$

		H.I.		Elev.
+49	*	1060.63	-	
32+25				49.2
+41				51.0
+25				54.5
33+00				59.5
T.P.	12.89	1071.05	2.47	1058.16
+25				66.6
T.P.	11.26	1081.30	1.01	1070.04
+58				73.8
+86				76.3
34+00				75.6
+37				72.0
T.P.	1.90	1073.15	10.05	1071.25
+72				67.4
B.M.	3.47	1069.37	7.27	1065.88 1065.90
35+00				62.2
+21				57.7
T.P.	2.76	1059.47	12.66	1056.71

8/26/27 CW3
D.S.T
V.M. Red.
R.H.

$\frac{207}{33}$ $\frac{188}{23}$ $\frac{181}{16}$ $\frac{162}{9}$ $\frac{130}{7}$ 114 $\frac{84}{10}$ $\frac{117}{24}$ $\frac{72}{33}$

$\frac{168}{33}$ $\frac{145}{13}$ $\frac{125}{9}$ $\frac{108}{6}$ 96 $\frac{86}{7}$ $\frac{67}{22}$ $\frac{57}{33}$

$\frac{133}{33}$ $\frac{120}{27}$ $\frac{102}{13}$ $\frac{78}{4}$ $\frac{68}{3}$ 41 $\frac{40}{8}$ $\frac{35}{15}$ $\frac{00}{33}$

$\frac{84}{33}$ $\frac{53}{19}$ $\frac{53}{13}$ $\frac{28}{6}$ $\frac{19}{5}$ 11 $\frac{+12}{11}$ $\frac{+23}{23}$ $\frac{+41}{33}$

46.00 HI
V
V

$\frac{107}{33}$ $\frac{90}{28}$ $\frac{92}{25}$ $\frac{75}{23}$ $\frac{68}{13}$ $\frac{58}{11}$ $\frac{50}{4}$ 45 $\frac{35}{10}$ $\frac{40}{13}$ $\frac{28}{33}$

$\frac{122}{33}$ $\frac{114}{32}$ $\frac{104}{20}$ $\frac{90}{16}$ 75 $\frac{72}{5}$ $\frac{70}{12}$ $\frac{70}{33}$

$\frac{84}{33}$ $\frac{75}{21}$ $\frac{65}{17}$ $\frac{55}{7}$ 50 $\frac{45}{4}$ $\frac{44}{16}$ $\frac{37}{33}$

$\frac{88}{33}$ $\frac{87}{31}$ $\frac{80}{21}$ $\frac{66}{17}$ 57 $\frac{52}{4}$ $\frac{47}{17}$ $\frac{41}{33}$

$\frac{133}{33}$ $\frac{122}{23}$ $\frac{118}{11}$ $\frac{102}{5}$ 93 $\frac{86}{5}$ $\frac{76}{18}$ $\frac{72}{33}$

$\frac{95}{33}$ $\frac{73}{15}$ $\frac{73}{4}$ 58 $\frac{50}{3}$ $\frac{48}{15}$ $\frac{42}{30}$ $\frac{32}{33}$

stump

spike in stump 1' at sta. 34+85

$\frac{102}{33}$ $\frac{82}{19}$ 74 $\frac{56}{5}$ $\frac{46}{19}$ $\frac{40}{33}$

$\frac{154}{33}$ $\frac{128}{12}$ 117 $\frac{108}{6}$ $\frac{100}{5}$ $\frac{90}{30}$ $\frac{74}{33}$

Sta + HI ✓ Elevation

1059.47 ✓

35+70

47.7 ✓

T.P.

332

1052.54 ✓

10.25

1049.22 ✓

36+00

43.1

+50

42.7

37+00

42.5

+50

42.7

+60

44.5

38+00

45.0

+40

45.4

+85

45.4

39+00

48.0 ✓

T.P.

1116

1061.94 ✓

1.76

1050.78 ✓

+30

53.7 ✓

T.P.

843

1065.84 ✓

4.53

1057.41 ✓

+61

59.3

$$\frac{133}{33} \quad \frac{133}{12} \quad 118 \quad \frac{110}{10} \quad \frac{90}{17} \quad \frac{67}{33}$$

$$\frac{81}{33} \quad \frac{73}{25} \quad \frac{93}{13} \quad 74 \quad \frac{85}{12} \quad \frac{60}{23} \quad \frac{32}{33}$$

$$\frac{98}{33} \quad \frac{98}{24} \quad \frac{98}{12} \quad 91 \quad \frac{98}{11} \quad \frac{92}{13} \quad \frac{82}{16} \quad \frac{65}{21} \quad 16 \quad 33$$

$$\frac{100}{33} \quad \frac{100}{18} \quad 100 \quad \frac{96}{13} \quad \frac{68}{21} \quad \frac{33}{28} \quad \frac{64}{33}$$

$$\frac{100}{33} \quad \frac{100}{17} \quad 98 \quad \frac{92}{4} \quad \frac{90}{18} \quad \frac{70}{12} \quad \frac{41}{19} \quad \frac{24}{26} \quad \frac{102}{33}$$

above H.I.

$$\frac{100}{33} \quad \frac{91}{22} \quad \frac{98}{8} \quad 80 \quad \frac{57}{8} \quad \frac{24}{16} \quad \frac{122}{31} \quad \frac{122}{33}$$

above H.I.

$$\frac{100}{33} \quad \frac{98}{21} \quad \frac{90}{7} \quad 75 \quad \frac{40}{15} \quad \frac{07}{25} \quad \frac{110}{33}$$

above H.I.

$$\frac{80}{33} \quad \frac{90}{29} \quad \frac{86}{12} \quad \frac{70}{11} \quad \frac{50}{11} \quad \frac{05}{30} \quad \frac{103}{33}$$

above H.I.

$$\frac{47}{33} \quad \frac{68}{18} \quad \frac{20}{7} \quad 45 \quad \frac{57}{5} \quad \frac{47}{14} \quad \frac{17}{33}$$

$$\frac{18}{33} \quad \frac{24}{25} \quad \frac{37}{13} \quad \frac{45}{5} \quad 45 \quad \frac{40}{18} \quad \frac{15}{33}$$

$$\frac{40}{33} \quad \frac{40}{21} \quad \frac{62}{11} \quad \frac{70}{7} \quad \frac{75}{6} \quad 82 \quad \frac{94}{8} \quad \frac{110}{14} \quad \frac{124}{30} \quad \frac{122}{33}$$

$$\frac{20}{33} \quad \frac{23}{29} \quad \frac{37}{16} \quad 65 \quad \frac{90}{9} \quad \frac{106}{17} \quad \frac{124}{19} \quad \frac{130}{27} \quad \frac{140}{33}$$

Sta	+	H.I.	-	Elev.
		1065.84		
40+00				59.0
+50				57.5
41+00				63.6
T.P.	6.34	1070.42	1.76	1064.08
+30				67.7
+75				61.6
42+00				57.6
T.P.	1.08	1058.29	13.23	1057.19
+37				55.7
+70				51.5
B.M.	3.38	1053.42	8.22	1050.05
				1050.04
43+00				45.7
TP	5.81	1047.24	11.99	1041.43
+50				39.6
44+00				42.4
T.P.	10.83	1056.21	1.86	1046.38
+50				50.1

$\frac{52}{33}$ $\frac{55}{16}$ 68 $\frac{81}{7}$ $\frac{80}{18}$ 100 $\frac{107}{33}$

$\frac{91}{33}$ $\frac{80}{25}$ 83 $\frac{87}{5}$ $\frac{86}{15}$ 98 $\frac{101}{33}$

$\frac{84}{33}$ $\frac{47}{31}$ $\frac{24}{12}$ 22 $\frac{26}{9}$ $\frac{20}{14}$ 33

$\frac{47}{33}$ $\frac{34}{20}$ 27 $\frac{28}{10}$ $\frac{27}{12}$ $\frac{65}{33}$

$\frac{68}{33}$ $\frac{27}{14}$ 88 $\frac{85}{3}$ $\frac{90}{8}$ $\frac{95}{33}$

$\frac{102}{33}$ $\frac{106}{30}$ $\frac{115}{19}$ $\frac{123}{15}$ 128 $\frac{132}{21}$ $\frac{137}{33}$

$\frac{10}{33}$ $\frac{22}{18}$ $\frac{26}{11}$ 26 $\frac{24}{6}$ $\frac{33}{10}$ $\frac{44}{25}$ $\frac{55}{33}$

$\frac{40}{33}$ $\frac{47}{29}$ $\frac{48}{22}$ $\frac{58}{14}$ 68 $\frac{68}{6}$ 73 $\frac{78}{18}$ $\frac{86}{26}$ $\frac{95}{33}$

Spike in 8" Oak 35" Rt sta 42+50

$\frac{32}{33}$ $\frac{50}{17}$ $\frac{68}{5}$ 77 $\frac{82}{5}$ $\frac{77}{9}$ $\frac{72}{25}$ $\frac{104}{33}$

$\frac{42}{33}$ $\frac{45}{29}$ $\frac{58}{17}$ $\frac{62}{9}$ 76 $\frac{85}{21}$ $\frac{108}{29}$ $\frac{116}{33}$

$\frac{62}{33}$ $\frac{60}{29}$ $\frac{55}{16}$ 44 $\frac{41}{18}$ $\frac{35}{29}$ $\frac{38}{33}$

$\frac{70}{33}$ $\frac{68}{21}$ $\frac{62}{12}$ 61 $\frac{64}{33}$ $\frac{60}{29}$ $\frac{63}{33}$

Sta	+	HI		Elev
		1036.21	✓	
45+00				51.6
+50			✓	48.3 ✓
T.P.	115	1048.79	11.57	1044.24
46+00				39.8
+34				37.1
+77				37.8
47+00				37.5
+50				35.4
48+00			✓	33.3 ✓
T.P.	2.70	1035.50	12.99	1032.80
+50				30.9
49+00				29.0
+50				25.9
+70				27.2

8/29/27 C.W.S.
D.S. T
R.Y. Pal
1424

$$\frac{68}{33} \quad \frac{62}{27} \quad \frac{57}{12} \quad 46 \quad \frac{40}{10} \quad \frac{36}{24} \quad \frac{42}{33}$$

$$\frac{62}{33} \quad \frac{85}{14} \quad 79 \quad \frac{74}{4} \quad \frac{21}{10} \quad \frac{50}{33}$$

$$\frac{26}{33} \quad \frac{44}{20} \quad \frac{57}{7} \quad 60 \quad \frac{46}{11} \quad \frac{46}{22} \quad \frac{38}{33}$$

$$\frac{71}{33} \quad \frac{83}{16} \quad 87 \quad \frac{71}{8} \quad \frac{103}{19} \quad \frac{121}{33}$$

$$\frac{62}{33} \quad \frac{61}{30} \quad \frac{78}{6} \quad 80 \quad \frac{28}{6} \quad \frac{78}{11} \quad \frac{112}{33}$$

$$\frac{62}{33} \quad \frac{61}{31} \quad \frac{68}{10} \quad \frac{80}{7} \quad 83 \quad \frac{77}{16} \quad \frac{95}{33}$$

$$\frac{83}{33} \quad \frac{90}{25} \quad \frac{100}{8} \quad 104 \quad \frac{90}{25} \quad \frac{90}{33}$$

$$\frac{128}{33} \quad \frac{123}{27} \quad \frac{118}{7} \quad 125 \quad \frac{117}{6} \quad \frac{120}{15} \quad \frac{136}{33}$$

$$\frac{33}{33} \quad \frac{38}{16} \quad \frac{40}{8} \quad \frac{45}{3} \quad 46 \quad \frac{40}{4} \quad \frac{37}{7} \quad \frac{55}{33}$$

$$\frac{71}{33} \quad \frac{73}{13} \quad \frac{71}{5} \quad 68 \quad \frac{68}{3} \quad \frac{70}{10} \quad \frac{74}{33}$$

$$\frac{56}{33} \quad \frac{75}{14} \quad \frac{83}{6} \quad 96 \quad \frac{103}{11} \quad \frac{114}{13} \quad \frac{121}{33}$$

$$\frac{50}{33} \quad \frac{65}{14} \quad \frac{20}{11} \quad \frac{78}{5} \quad 83 \quad \frac{77}{4} \quad \frac{104}{6} \quad \frac{136}{33}$$

Sta	+	HI	-	Elev.
		1035.50		
50+00				26.5
+50				25.3
51+00				24.1
T.P.	11.13	1036.70	9.93	1025.57
+50				22.8
52+00				25.7
+58				27.4
+60				27.1
+64				25.7
+69				27.2
+78 ^{2'}				27.1
B.M.			2.23	1033.47 - 1033.48

$$\frac{52}{33} \quad \frac{66}{20} \quad \frac{72}{11} \quad \frac{78}{4} \quad 90 \quad \frac{98}{4} \quad \frac{101}{8} \quad \frac{116}{16} \quad \frac{147}{33}$$

$$\frac{66}{33} \quad \frac{78}{27} \quad \frac{84}{12} \quad \frac{87}{7} \quad 102 \quad \frac{108}{6} \quad \frac{124}{20} \quad \frac{148}{33}$$

$$\frac{70}{33} \quad \frac{82}{26} \quad \frac{96}{12} \quad \frac{98}{8} \quad 114 \quad \frac{128}{4} \quad \frac{144}{16} \quad \frac{175}{33}$$

$$\frac{90}{33} \quad \frac{110}{20} \quad \frac{120}{12} \quad \frac{139}{12} \quad \frac{161}{4} \quad \frac{171}{22} \quad \frac{177}{33}$$

$$\frac{62}{33} \quad \frac{84}{22} \quad \frac{90}{18} \quad \frac{98}{13} \quad 110 \quad \frac{120}{5} \quad \frac{126}{33}$$

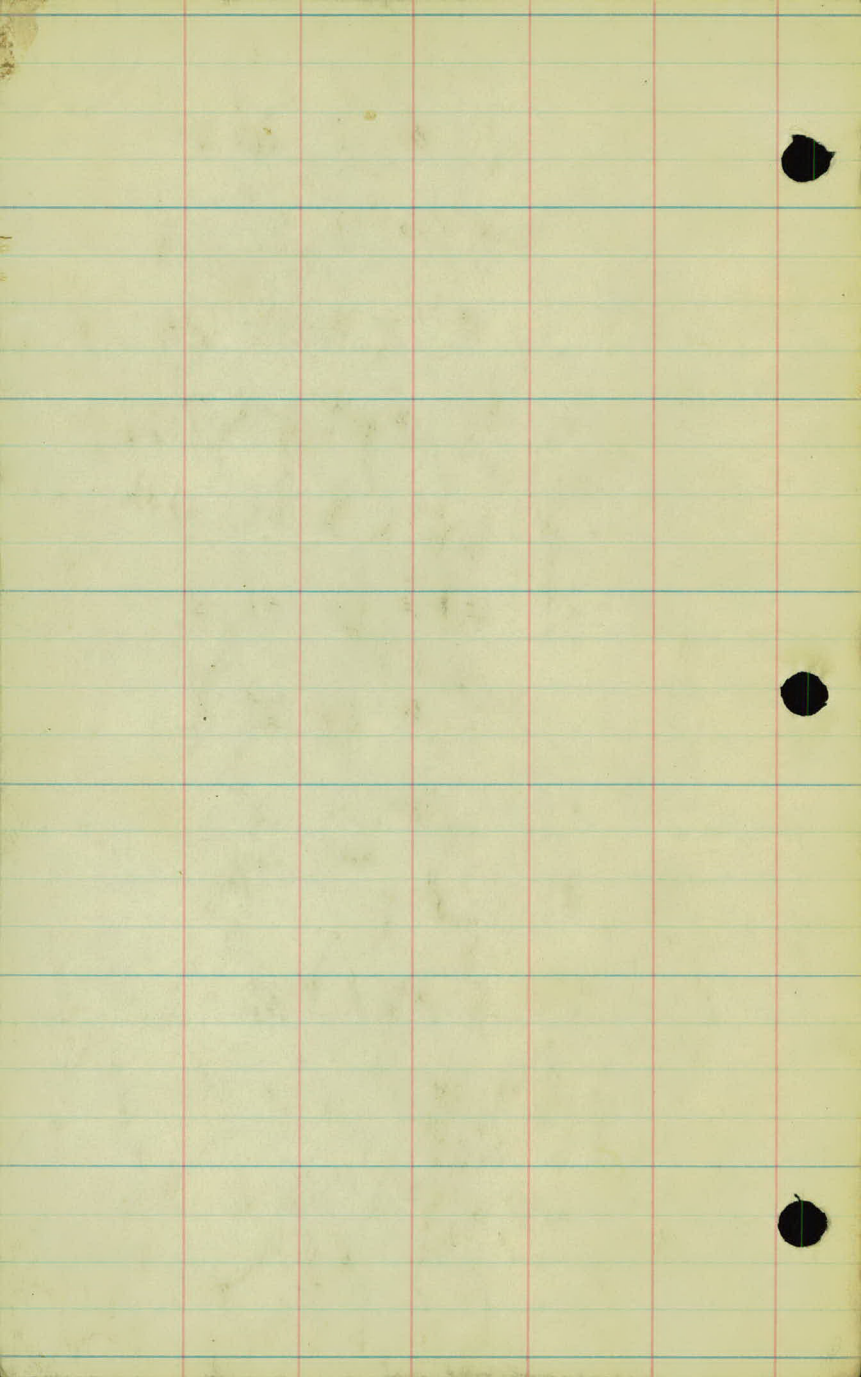
$$\frac{26}{33} \quad \frac{65}{33} \quad \frac{72}{12} \quad 92 \quad \frac{99}{6} \quad \frac{126}{15} \quad \frac{133}{33}$$

$$\frac{83}{33} \quad \frac{89}{20} \quad \frac{96}{12} \quad 96 \quad \frac{97}{12} \quad \frac{107}{23} \quad \frac{117}{33}$$

$$\frac{96}{33} \quad \frac{99}{20} \quad \frac{102}{10} \quad 110 \quad \frac{113}{15} \quad \frac{118}{25} \quad \frac{118}{33}$$

$$\frac{86}{33} \quad \frac{90}{20} \quad 95 \quad \frac{104}{20} \quad \frac{108}{33}$$

$$\frac{86}{33} \quad \frac{90}{20} \quad 96 \quad \frac{101}{20} \quad \frac{106}{33}$$



Proj. # 28-76

Linwood Ave.

X Sec. Extended Lt. & Rt.

from Sta. 25+00 to Sta. 36+00.

Sta.	T	H.I.	-	E/04
B.M.	2.05	1037.05		1035.00
25+00				
	2.83	1026.92	12.96	1014.09

25+24

25+50

25+00				
T.P.	1.08	1015.19	12.81	1014.11
25+00				

25+24

25+50

25+90

26+00

26+50

27+00				
T.P.	9.49	1015.82	5.84	1019.33

27+41

27+63

B.C.
A.P.
D.S.
A.B.

Left.

Right.

18.2

11.9 11.4 11.2
33 45 70

10.8

8.5 7.5 9.0
33 50 70

13.6

12.6 11.5 9.6
33 48 70

12.5 7.8
49 33

8.0

10.2 9.2 5.6
82 73 63

13.7

Top of Ice.

10.3 9.8 5.8 5.4
100 55 41 33

10.9

10.2 10.2
70 33

1.9

Top of Ice.

10.2 10.2
70 33

4.3

9.1 8.4 7.6 5.9 4.5
33 45 56 62 70

Top of Ice.

10.2 10.2
70 33

4.6

10.0 9.1 9.1 6.9
33 48 59 70

I

10.2 10.2
70 33

5.9

10.0 9.7 9.2 9.0 6.0
33 45 54 64 70

II

9.0
70

10.2 10.2
55 33

6.2

11.0 9.0 8.2 4.8 2.0 1.2
33 41 48 55 65 70

6.5 6.6 8.0 10.0 11.1 11.3
70 63 59 33 45 33

9.7

9.5 6.1 0.8
33 48 70

4.6 5.1 7.3 7.3
70 63 48 33

11.7

9.8 6.6 2.3 0.0
33 47 61 70

Sta. + H.I. - Elev.

1018.82

28+00

28+50

29+00

29+50

30+00

30+50

30+77

31+00

31+20

31+40

T.P.

9.83

1025.68

2.97

1015.85

13.14
+20

31+60

31+75

32+00

T.P.

12.36

1036.33

1.71

1023.97

hoff

$$\frac{2.8}{70} \quad \frac{5.7}{55} \quad \frac{8.4}{58} \quad \frac{9.0}{33}$$

12.1

$$\frac{10.8}{33} \quad \frac{5.5}{48} \quad \frac{0.9}{60} \quad \frac{73.0}{70}$$

Above H.I.

$$\frac{8.4}{70} \quad \frac{10.8}{56} \quad \frac{12.3}{33}$$

12.7

$$\frac{10.5}{33} \quad \frac{5.5}{47} \quad \frac{1.6}{59} \quad \frac{74.0}{70}$$

$$\frac{7.6}{70} \quad \frac{12.1}{50} \quad \frac{12.2}{33}$$

12.6

$$\frac{11.6}{33} \quad \frac{7.9}{44} \quad \frac{6.2}{50} \quad \frac{3.5}{55} \quad \frac{2.0}{60} \quad \frac{73.0}{70}$$

Above H.I.

$$\frac{11.6}{70} \quad \frac{11.6}{33}$$

12.6

$$\frac{12.1}{33} \quad \frac{11.6}{39} \quad \frac{8.9}{42} \quad \frac{7.9}{48} \quad \frac{4.1}{53} \quad \frac{1.1}{60} \quad \frac{75.0}{70}$$

$$\frac{10.2}{70} \quad \frac{10.5}{55} \quad \frac{10.6}{33}$$

12.3

$$\frac{11.7}{33} \quad \frac{7.0}{47} \quad \frac{1.4}{62} \quad \frac{71.0}{70}$$

Above H.I.

$$\frac{8.9}{70} \quad \frac{9.4}{33}$$

11.9

$$\frac{8.1}{33} \quad \frac{4.6}{46} \quad \frac{1.3}{56} \quad \frac{75.0}{70}$$

$$\frac{8.0}{70} \quad \frac{7.8}{50} \quad \frac{8.5}{33}$$

11.5

$$\frac{4.4}{33} \quad \frac{0.9}{48}$$

$$\frac{7.2}{70} \quad \frac{7.8}{54} \quad \frac{7.5}{33}$$

9.3

$$\frac{1.1}{59}$$

$$\frac{6.7}{70} \quad \frac{6.3}{53} \quad \frac{6.1}{33}$$

3.8

$$\frac{6.2}{70} \quad \frac{3.8}{45} \quad \frac{3.4}{33}$$

1.7

$$\frac{10.5}{70} \quad \frac{6.6}{41} \quad \frac{4.1}{33}$$

12.1

$$\frac{7.6}{70} \quad \frac{3.6}{50} \quad \frac{0.2}{33}$$

10.1

$$\frac{1.4}{70}$$

Sta. + H.I. - E/ev

1036.33

32+00

32+25

32+41

T.P. 12.62 1047.88 1.07 1035.26

32+25

32+41

32+75

33+00

T.P. 12.13 1059.34 0.67 1047.21

32+75

33+00

33+25

T.P. 11.99 1070.54 0.79 1052.55

33+25

33+58

33+84

Left

$$\frac{1.6}{33} \quad \frac{2.3}{37} \quad \frac{6.2}{52}$$

$$\textcircled{+7.7}$$

Right.

$$\frac{6.4}{70} \quad \frac{2.3}{58}$$

$$\textcircled{+2.9}$$

$$\frac{2.1}{70}$$

$$\textcircled{+4.7}$$

$$\frac{9.0}{44} \quad \frac{7.4}{39}$$

$$\textcircled{+1.3}$$

$$\frac{8.7}{53} \quad \frac{5.4}{40} \quad \frac{4.7}{33}$$

$$\textcircled{+3.1}$$

$$\frac{6.4}{70} \quad \frac{3.2}{52} \quad \frac{1.0}{43}$$

$$\textcircled{+6.6}$$

$$\frac{1.4}{70}$$

$$\frac{11.5}{33}$$

$$\textcircled{4.8}$$

$$\frac{9.2}{48} \quad \frac{6.1}{33}$$

$$\textcircled{+0.2}$$

$$\frac{6.2}{70} \quad \frac{2.0}{50}$$

$$\textcircled{+7.3}$$

$$\frac{9.7}{33}$$

$$\textcircled{3.9}$$

$$\frac{11.8}{70} \quad \frac{3.1}{50} \quad \frac{0.6}{33}$$

$$\textcircled{+3.3}$$

$$\frac{4.6}{70} \quad \frac{0.6}{53} \quad \frac{12.4}{33}$$

Above H.I.

$$\textcircled{+5.8}$$

Sta. + H.I. - Elev.

1070.54

34+00

34+37

34+72

B.M.

4.60 1065.74 1065.90

35+00

T.P.

2.57 1066.14 11.97 1058.57

35+00

35+27

T.P.

1.82 1058.20 4.76 1056.38

35+70

36+00

T.P.

12.27 1068.65 1.82 1056.38

36+00

35+70

35+27

35+00

T.P.

12.24 1078.14 2.71 1065.94 1065.90

34+72

Left. $\frac{47}{70}$ $\frac{10}{51}$ $\frac{+2.2}{33}$ $\frac{+5.1}{}$ Right.

$\frac{6.7}{70}$ $\frac{3.7}{52}$ $\frac{1.7}{33}$ $\frac{+1.5}{}$

$\frac{12.1}{70}$ $\frac{2.5}{55}$ $\frac{6.0}{33}$ $\frac{3.1}{}$

$\frac{12.0}{44}$ $\frac{10.4}{33}$ $\frac{8.3}{}$

$\frac{6.8}{70}$

$\frac{9.6}{70}$ $\frac{8.7}{57}$ $\frac{6.7}{39}$ $\frac{5.7}{33}$

$\frac{11.1}{70}$ $\frac{12.0}{46}$ $\frac{12.0}{33}$

$\frac{4.0}{33}$ $\frac{1.8}{43}$ $\frac{4.0}{33}$

$\frac{13.2}{70}$ $\frac{13.4}{56}$ $\frac{14.2}{33}$

$\frac{8.3}{33}$ $\frac{4.4}{47}$

$\frac{8.3}{70}$

$\frac{2.6}{60}$ $\frac{7.7}{70}$

$\frac{11.0}{33}$ $\frac{4.5}{54}$ $\frac{5.2}{70}$

$\frac{6.5}{33}$ $\frac{2.4}{50}$ $\frac{1.5}{70}$

$\frac{10.7}{33}$ $\frac{7.7}{51}$ $\frac{7.4}{70}$

Sta.	T	H.I. ✓	-	Elev
34+37		1078.14		
34+00				
33+86				
33+58				
T.P.	2.07	1079.95 ✓	0.20	1077.88 ✓
33+58				
33+35				
33+00				
32+75				
T.P.	0.92	1067.92 ✓	12.95	1067.00 ✓
33+00				
32+75				
32+41				
32+25				
32+00				
T.P.	1.06	1056.92 ✓	12.06	1055.86 ✓

Left.

(61)

	Right.		
3.5	26	2.9	
33	54	70	

(2.5)

0.6	0.3	0.9	
33	46	70	

(1.8)

0.6	0.6	0.6	
33	51	70	

4.3	4.1		
33	52		

(6.2)

6.1	5.2		
52	70		

(13.4)

11.9	10.2	9.0	
33	56	70	

80.0

80.6			
66.6			
13.4			

(20.5)

12.9	11.9	10.5	
46	60	70	

(25.5)

13.2			
70			

3.3			
33			

(13.4)

7.7	3.9		
33	55		

(16.9)

12.8	9.6	5.9	
38	51	70	

(18.7)

14.3	12.7	10.7	8.2
70	40	56	70

12.5			
70			

Sta. + H.I. - Elev.

1056.92

32+00

31+75

31+60

T.P. 2.48 1047.27 12.13 1044.79

31+60

31+40

31+20

1.03 1036.28 12.02 1035.25

31+40

31+20

31+00

30+79

T.P. 0.43 1024.19 12.52 1023.76

T.P. 8.38 1015.81 1015.85

left.

(129)

7.2	5.9	4.3
33	42	53

Right.

(211)

13.7	9.6	6.0	4.3
33	48	63	70

(291)

11.9	8.4
57	70

(195)

9.7	7.1
33	42

(268)

10.9	5.7
52	70

$$\begin{array}{r} 26.9 \\ 27.8 \\ \hline 29.1 \\ 2 \end{array}$$

12.8
70

6.3
33

(213)

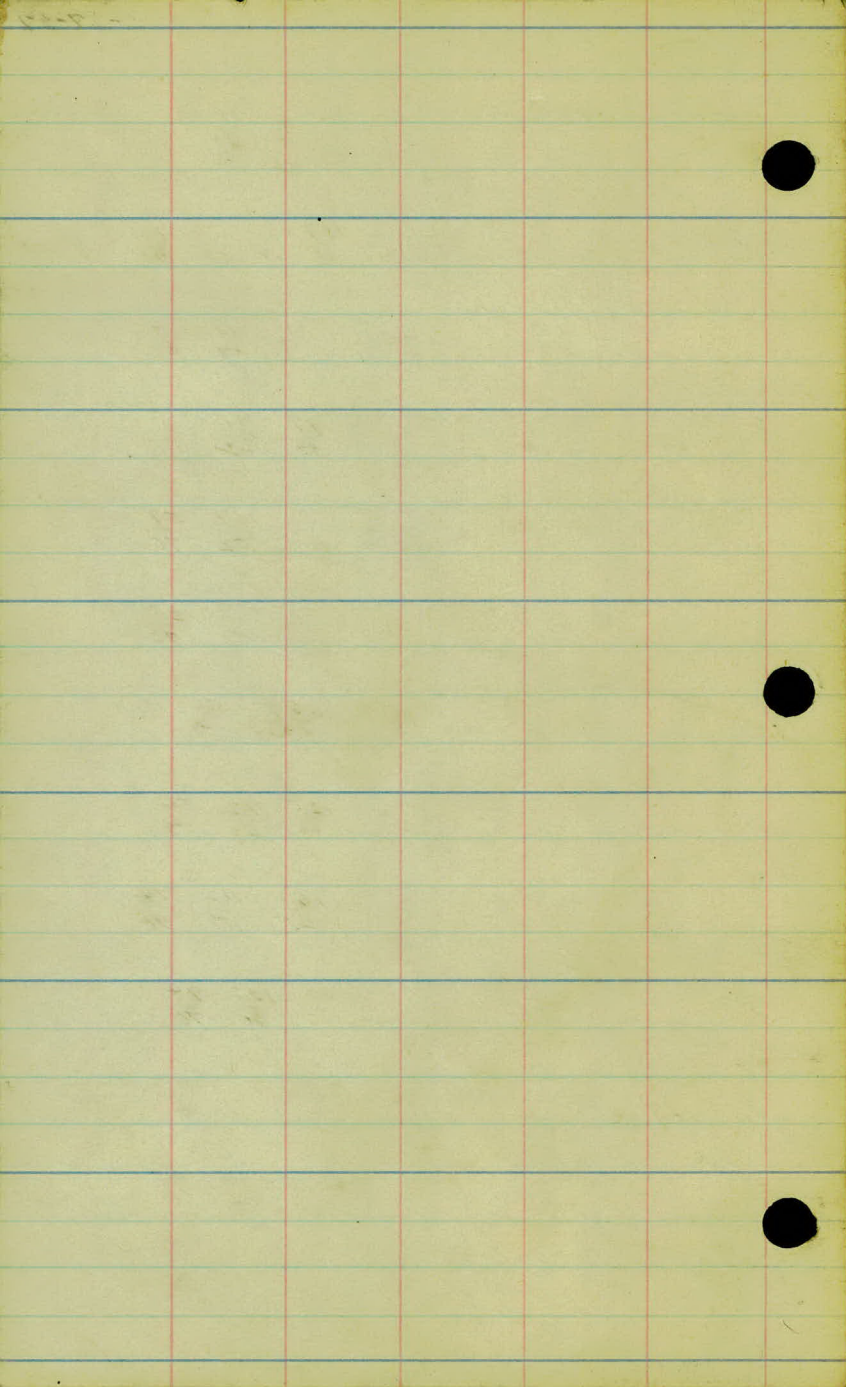
12.5	9.2	5.6
33	43	58

(268)

16.2	11.2	7.4
45	58	70

13.8	9.4
60	70

On Stage.



LINWOOD AVENUE - PROJ. 28-76

2-14-28

PLANS IN HAND.

W.S.M.
O.R.V.K.
C.K.S.

- ✓ 0+30 - P-24" P₃ Drains Lt.
- ✓ 1+50 to 3+00 - Cl. 8 T. Gr. 21 T.
- ✓ 4+00 to 6+60 - Cl. 3 T. Gr. 14 T.
- ✓ 8+00 to 9+00 - Cl. 2 T. Gr. 2 T.
- ✓ 10+44 Rt. - Rep. 12" X 20' C.M. - from 13+52. ✓
- ✓ 13+52 - P. 24" P₃. Drains Rt.
- ✓ 13+20 to 14+00 - Cl. + Gr. 20' Wide. cl. 15+80 to 16+50 - 20' wide
- ✓ 14+00 to 15+80. Cl. + Gr. 20' " Cl. 15' wide
- ✓ 16+50 to 17+00 - Cl. + Gr. 15' - "
- ✓ 15+00 - Drive on Rt. - No culv. req.
- ✓ 18+20 - Lt. - Rep. 12" X 20' C.M. - from 21+01.
- ✓ 17+00 to 20+50 - Gr. 20' wide
- ✓ 19+85 - Rt + Lt. - P-2 - 15" X 20' C.M.
- ✓ 21+01 - P. 24" P₃ - Drains Rt.
- ✓ 22+00 to 23+50 - Cl. + Gr. 22' wide. 21+00 to 22+00 - Cl. 22' wide
- ✓ 22+10 - Rt. - Rep. 12" X 20' C.M. from 27+62.
- ✓ 25+20 to 27+20 - Cl. 16' wide.
- ✓ 31+75 to 34+00 - Gr. 12' wide.
- ✓ 34+00 to 38+50 - Gr. 32' T.
- ✓ 37+00 - P. 24" P₃. Lt.
- ✓ 39+00 to 40+00 - Cl. 4 T. Gr. 14 T.
- ✓ 39+40 - Rt. P. 15" X 20' C.M. + Lt. - P. 15" X 20' C.M.
- 43+50 - No culv. req.

- ✓ 40+00 to 46+00 - Cl. r Gr. from fence to E.O.W.
- ✓ 46+50 to 49+00 - Cl. + Gr. 15' wide.
- ✓ 49+00 to 51+50 - Cl. r Gr. 8' wide. 51+50 to 52+50 - Cl. + Gr. 8' wide.
- ✓ 2+10 - Rt. - P. 15" x 20' C.M.
- ✓ 7+00 - Lt. - Drive - No culv. req.
- ✓ 15+00 - Lt. - P. 15" x 20' C.M.
- ✓ 26+50 - P. 24" P_3 Lt.
- ✓ 46+00 - Rt. + Lt. - P. 2 - 15" x 20' C.M.
- ✓ 52+10 - P. 24" P_3 Rt.