

Book-45-Dr.6

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Preliminary Survey

PAYNE AVE. CUTOFF EXT.

From Westminster St To Arcade St.

Road Acc't. No. 95

Date Filed 12.31.29

File _____

of Ramsey Co. Engineer
ST. PAUL, MINN.

Filed 12-31-29

File No. _____

5702 = Bridge Plan

Project 20-10

ALIGNMENT.

PROPOSED PAYNE AVE. CUT-OFF EXTENSION

FROM WESTMINSTER ST. TO FROST AVE.

Project 30-10

STA. POINT Δ LT. Δ RT.

10 + 78⁴

6 + 01⁰ P.O.T.

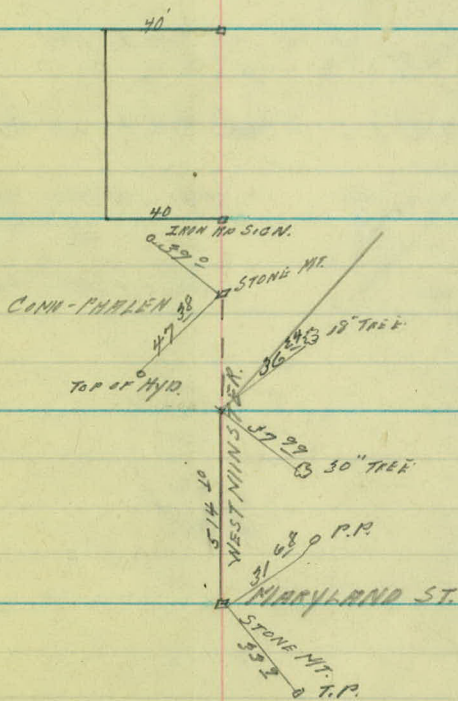
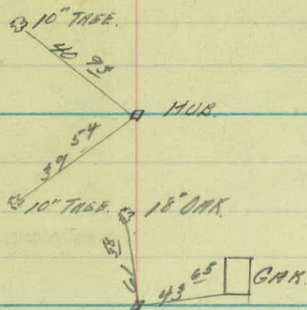
2 + 19²⁶ P.O.T.

1 + 19²⁶ P.O.T.

0 + 00

45°-28'

4-16-29



STA. POINT. Δ LT. Δ RT.

46+24⁰ P.I. 43°-09'

36+64² P.I. 2°-56' ~~2°-56'~~

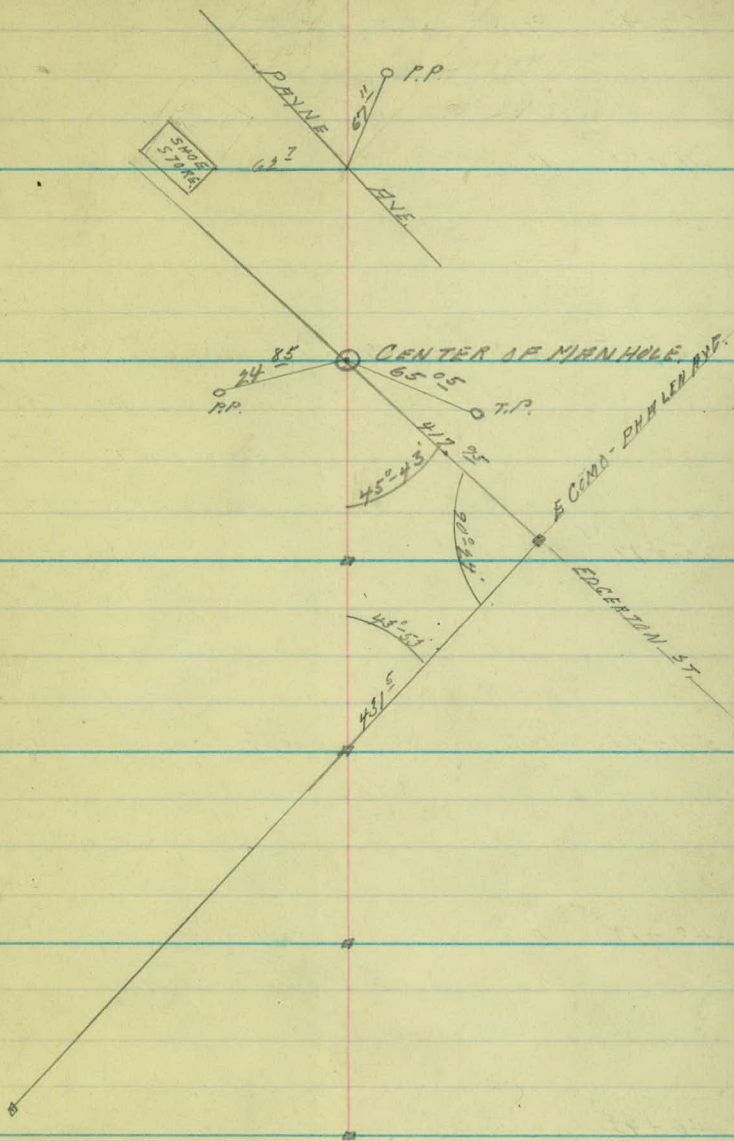
33+79¹

30+61¹ P.O.T.

29+63⁶³

14+72⁶³

4-16-27



STA POINT Δ LT Δ RT.

67+73⁷² P.T.

Front here

66+75⁸ P.I. 9°-49'

Δ -9°-49'

P.-5°-L.

T.-98⁴¹

L.-196³³

R.-1146²⁸

65+77³⁹ P.C.

57+27⁷⁵ P.I.

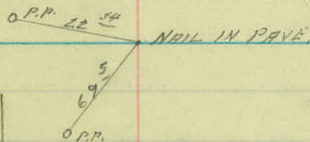
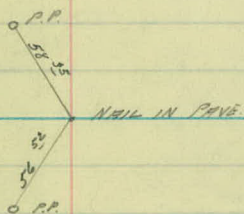
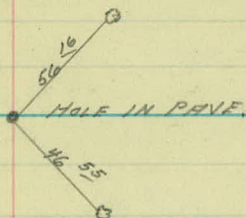
3°-29'

48+19²⁵ P.I.

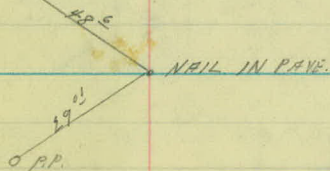
3°-21'

46+43³ P.I.

36°-30'



SHOE
STORE



57 M. POINT. ALT. Δ RT

89 + 39 ²⁷ P.T. 13° - 02

89 + 100 12° - 15

+50 11° - 15

88 + 100 10° - 15

+50 9° - 15

87 + 100 8° - 15

+50 7° - 15

86 + 19 ²⁴ P.I. Δ - 26° - 04

86 + 100 6° - 15

D - 4° - R.

+50 5° - 15

T - 331 ⁶⁴

85 + 100 4° - 15

L - 651 ⁶⁷

+50 3° - 15

R - 1432 ⁶⁹

84 + 100 2° - 15

+50 1° - 15

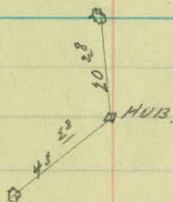
83 + 100 0° - 15

82 + 87 ⁶⁰ P.C. 0° - 00

79 + 33 ⁹⁴ P.O.T.

78 + 33 ⁹⁴ P.O.T.

82+27.60



S.T.H. #1

5TH. POINT Δ LT Δ RT

To here

97+66²⁵ P.I.

90+07⁶⁸ P.O.T.

5+28^E
P.I.

17° 08'

44° 08'

NAIL IN TOP OF
OF G. RAIL POST.

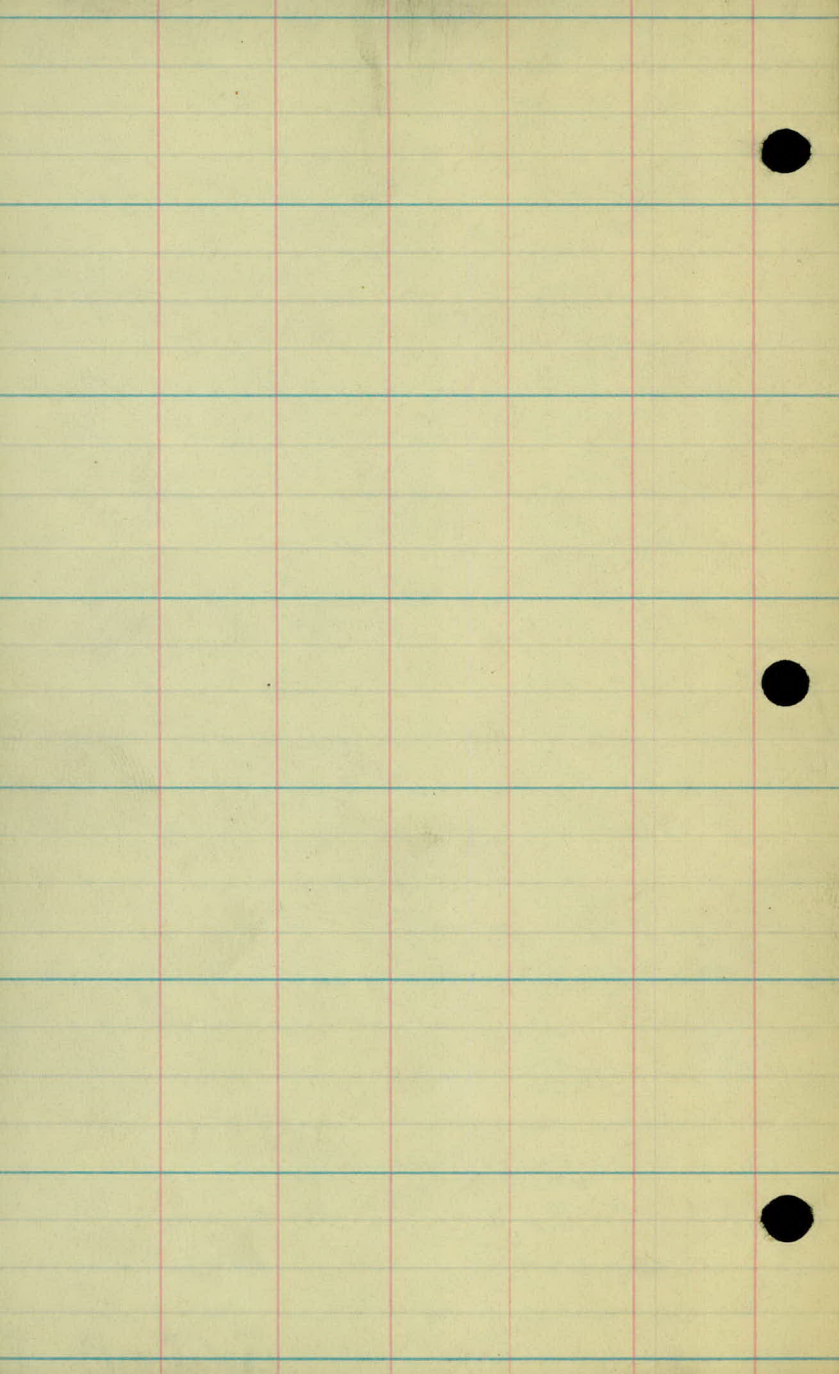
NAIL IN TOP OF
G. RAIL POST.

EROST
ROAD MAP SURVEY

12" OAK
53
52 45

9 26 25
12" OAK.

0+00 NAIL IN PAVE



CHECK LEVELS.

B.M.	0.90	889.42 ✓	888.52 ✓
	1.36	878.66 ✓	12.12 877.30 ✓

B.M.		4.39 874.27 ✓	
	8.90	883.24 ✓	4.32 874.34 ✓

B.M.		2.54 880.70 ✓	
	13.25	873.30 ✓	3.19 880.05 ✓
	8.94	901.80 ✓	0.44 892.86 ✓

B.M.		1.77 900.03 ✓	
	12.88	913.68 ✓	1.00 900.80 ✓
	5.59	916.12 ✓	3.15 910.53 ✓

B.M.		2.20 913.92 ✓	
	9.63	921.87 ✓	3.88 912.24 ✓

B.M.	0.17	920.04 ✓	2.00 919.87 ✓
	1.01	909.22 ✓	11.83 908.21 ✓
	0.53	897.33 ✓	12.42 896.80 ✓
	0.23	884.33 ✓	13.23 884.10 ✓
	0.98	872.37 ✓	12.94 871.39 ✓
	0.03	859.22 ✓	13.18 859.19 ✓

B.M.		9.01 850.21 ✓	
------	--	---------------	--

	13.74	892.73 ✓	0.23 858.99 ✓
--	-------	----------	---------------

	11.67	883.96 ✓	0.44 872.29 ✓
--	-------	----------	---------------

	9.80	893.48 ✓	0.28 893.68 ✓
--	------	----------	---------------

	1.58	894.85 ✓	0.21 873.27 ✓
--	------	----------	---------------

		4.59 890.26 ✓	
--	--	---------------	--

	5.65	889.37 ✓	9.13 885.52 ✓
--	------	----------	---------------

	0.61	878.26 ✓	11.72 877.65 ✓
--	------	----------	----------------

SPK IN P.P. LT. STA 78+40. INT. PAYNE AVE. & S.T.H. #1,

SPK IN P.P. LT. STA. 79+05.

TOP OF HYD. CITY LIMITS. LT. STA. 66+20

TOP OF HYD LT. STA. 52+20

TOP OF HYD 100' RT. STA. 44+85 INT. PAYNE & MONT

TOP OF HYD 70' RT. STA. 35+60. INT. EDGERTON & NEVADA

SPK IN T.P. RT. STA. 20+30

SPK IN 10" OAK 20' LT. STA. 10+50.

✓
278.24 ✓

0.74

865.90 ✓

13.10

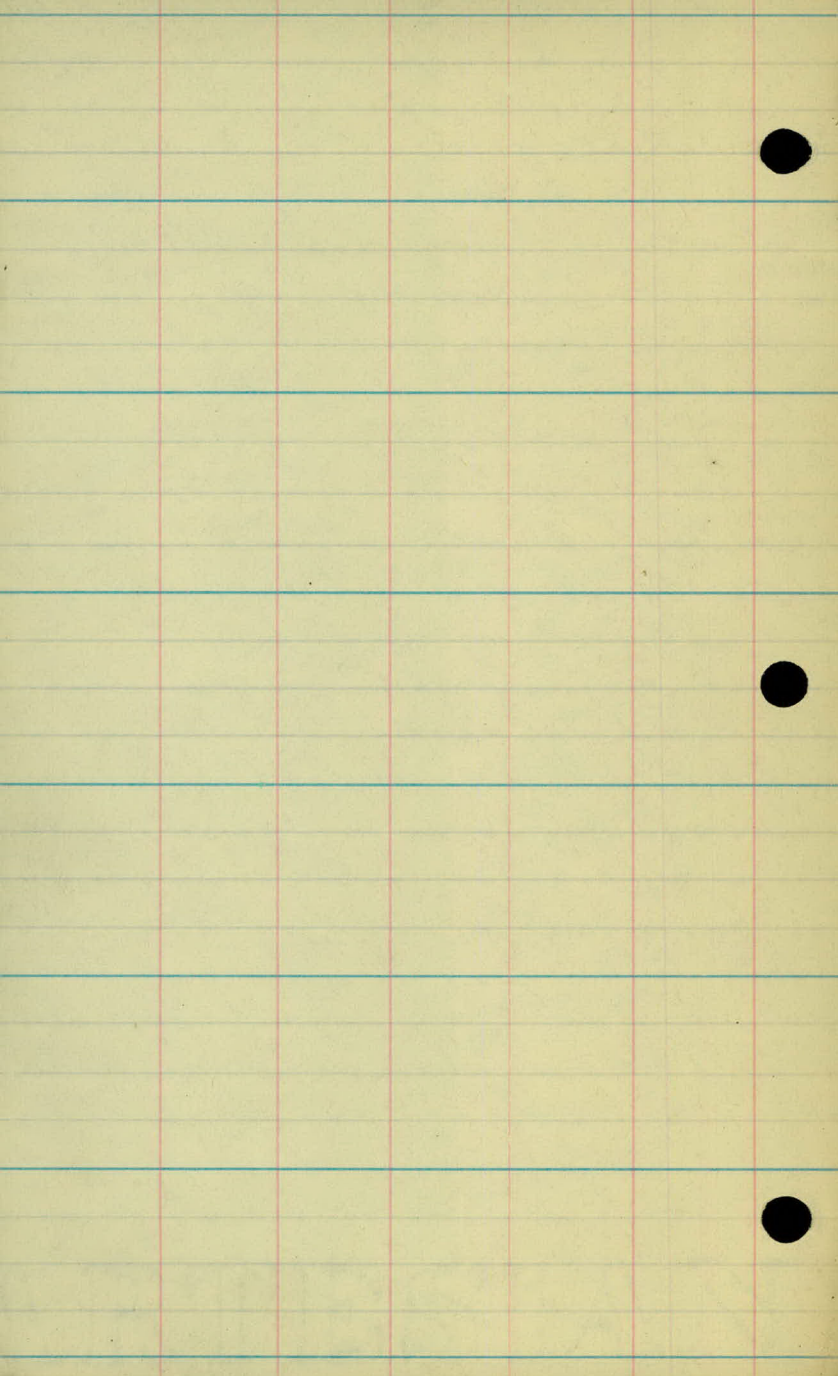
865.16 ✓

B.M.

12.73

855.17 ✓

SPR IN T.P. S.E. COR. INT. E. MARYLAND & WESTMINSTER



CENTER LINE LEVELS.

B.M.	0.27	✓ 253.44		253.17	
-5+12				1.6	851.8
-5+00				1.7	51.7
-4+88				2.1	51.3
-4+00				6.6	46.8
-3+00				12.7	40.7
T.P.	1.78	✓ 842.33	12.87	240.55	
-2+00				7.3	35.0
-1+00				12.9	29.4
	1.18	✓ 830.80	12.71	827.62	
0+00				6.9	23.9
+26				8.5	22.3
+34	TOP OF S.WALK			8.1	22.7
+42	" " " "			8.3	22.5
+45				8.7	22.1
	2.44	✓ 820.09	13.15	817.65	
+64				7.6	12.5
1+00				8.1	12.0
+20				7.5	12.6
+46				3.6	816.5
+78				2.5	17.6
2+00				5.5	14.6
+24				5.3	14.8
+67				4.7	15.4
3+00				1.1	19.0
	13.45	✓ 831.86	1.68	818.41	

SPK IN T.P. S.E. COR. INT. E. MARYLAND & WESTMINSTER

✓
831.86

+50 2.4 829.5

+65 0.0 31.9

4+00 0.8 31.1

12.46 ✓
843.91 0.41 831.45 ✓

+32 10.2 33.7

+43 6.6 37.3

12.23 ✓
855.39 0.75 843.16 ✓

+70 1.7 53.7

12.00 ✓
865.98 1.41 853.98 ✓

5+00 4.0 62.0

+12 0.0 66.0

12.71 ✓
878.20 0.49 865.49 ✓

+34 6.6 71.6

+50 4.0 74.2

+70 0.0 78.2

10.26 ✓
887.76 0.70 877.50 ✓

6+00 5.4 82.4

+64 5.4 82.4

+83 11.9 75.9

7+00 14.1 73.7

+47 20.1 67.7

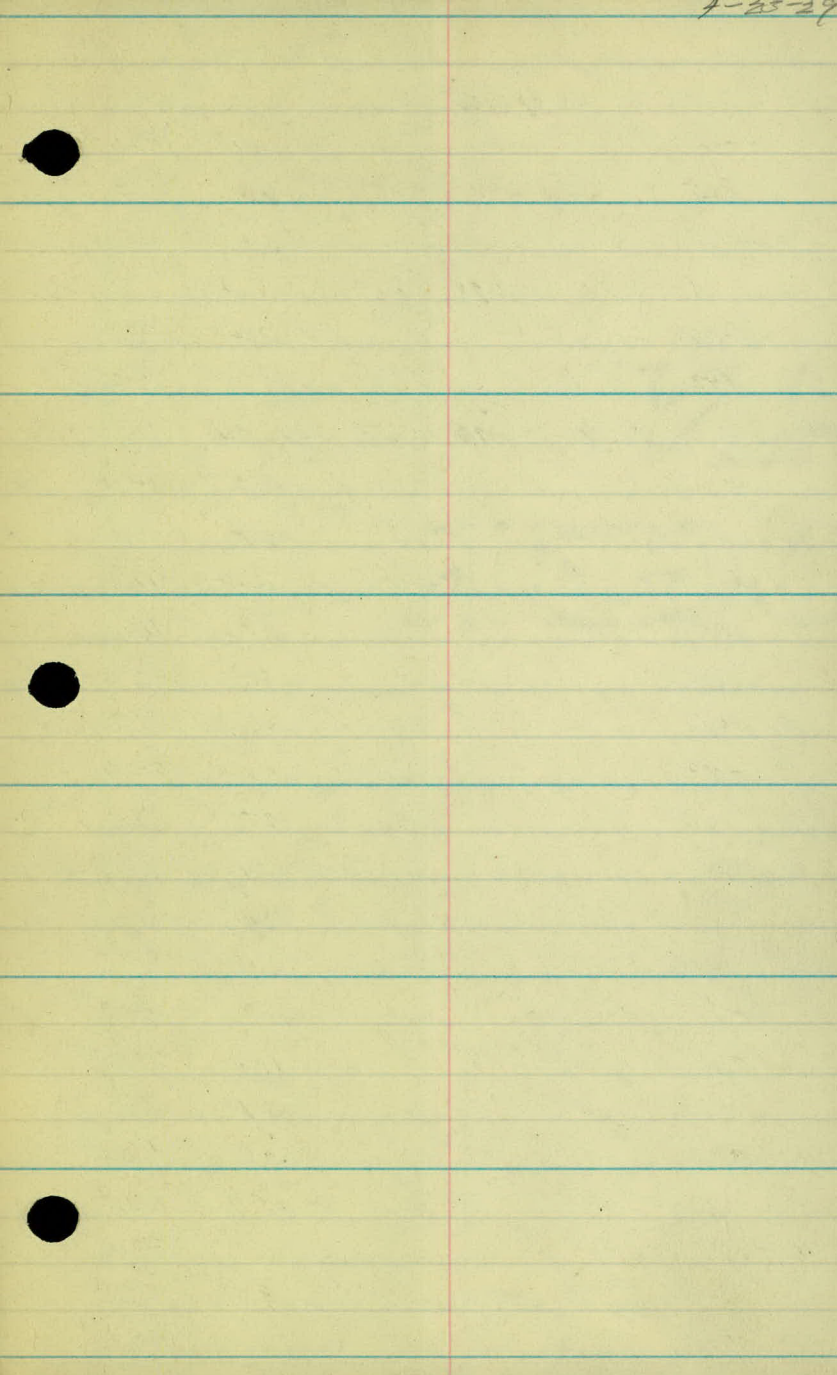
8+00 17.8 70.0

+44 15.7 72.1

9+00 17.1 70.7

+07 18.1 69.7

+23 18.7 69.1



✓
887.74

+30

12.9 874.9

+55

7.5 80.3

+75

2.1 85.7

9.80 ✓ 896.27 1.29 886.47 ✓

10 +00

8.2 88.1

+42

3.8 92.5

13.14 5.99 ✓ 896.25 5.99 890.28 ✓ 870.16 ✓

11 +00

2.3 94.0

+59

2.4 93.9

+66

5.1 91.2

12 +00

5.8 90.5

+46

8.0 88.3

13 +00

7.6 88.7

+44

7.9 88.4

14 +00

7.5 88.8

+72

10.9 85.4

0.98 ✓ 884.07 13.16 883.09 ✓

15 +00

3.8 80.3

+32

10.8 73.3

+41

11.4 72.7

0.89 ✓ 871.82 13.14 870.93 ✓

+60

4.3 67.5

+85

7.5 62.3

16 +00

13.4 58.4

2.17 ✓ 861.07 12.92 858.90 ✓

+62

8.8 52.3

SPK IN 10' OAK 20 LT. 5TA. 10+50.

✓
861.07

+30

12.3

848.8

0.37

✓
850.31

11.13

✓
849.94

+50

4.3

46.0

17+00

7.7

42.6

+44

12.0

38.3

18+00

15.0

35.3

+43

15.5

34.8

19+00

15.4

34.9

+50

13.8

36.5

20+00

9.3

41.0

13.14

12.64

✓
862.85

0.08

✓
850.23

✓
850.21

+68

11.7

51.2

21+00

8.3

54.6

+48

5.4

57.5

22+00

4.3

58.6

+55

5.5

57.4

23+00

4.7

58.2

+62

1.9

61.1

13.53

✓
875.56

0.82

✓
862.03

24+00

10.6

65.0

+59

5.3

70.3

25+00

2.1

73.5

13.46

✓
888.19

0.83

✓
874.23

+37

10.8

77.4

+67

6.2

82.0

+15

3.3

84.9

4-23-27

SPK IN T.P. 197. 37R. 20+30.

		✓ 888.19		✓ 887.28	
	13.16	900.44	0.91		
26 + 00				11.2	89.2
+47				6.6	93.8
27 + 00				1.9	98.5
+25				0.9	99.5
+81				0.5	99.9
28 + 00				3.0	97.4
+35				10.2	90.2
+60				12.3	88.1
29 + 00				5.8	894.6
	8.74	✓ 906.30	2.88	✓ 897.56	
+35				3.3	903.0
+72				2.6	903.7
30 + 00				9.3	897.0
	6.75	✓ 901.63	11.42	✓ 894.88	
+38				14.8	86.8
+48				14.3	87.3
+59				12.1	89.5
+78				12.8	88.8
+82				13.7	87.9
31 + 00				14.1	87.5
+50				13.2	88.4
32 + 00				12.6	89.0
+50				10.7	90.9
33 + 00				5.8	95.8

✓
901.63

+16

3.1 ✓

898.5

15.75

✓
914.81

0.57

901.06

+40

9.6

905.2

+65

6.0

08.8

+91

1.2

13.6

34 +00

0.5

14.3

6.97

✓
921.31

0.47

914.34

+32

3.1

18.2

+37

4.6

16.7

+92

9.2

12.1

+98

7.4

13.9

35 +00

7.4

13.9

+06

7.0

14.3

+20

7.6

13.7

+42

6.4

14.9

+62

6.7

14.6

+65

5.8

15.5

+75

5.5

15.8

+84

5.1

16.2

36 +00

4.6

16.7

+18

4.7

16.6

+26

4.7

16.6

13.M.

1.45

✓
921.32

1.45

✓
919.86

✓
919.87

+64

4.3

17.0

37 +00

4.4

16.9

TOP OF HYP. 70' RT. STA. 35+60, INT. I-80 & NEVADA

✓
921.32

+12	EDGE OF PAVE.	4.42	916.90
38+00		3.42	17.9
+65		3.41	17.9
39+00		3.75	17.5
+16		4.04	17.3
40+00		6.80	14.5
41+00		9.15	12.1
	2.94	✓ 916.25	8.01
		✓ 913.31	
42+00		5.02	11.3
43+00		5.58	10.7
44+00		5.90	10.4
45+00		5.94	10.4
B.M.		2.32	✓ 913.93
			✓ 913.92
46+00		7.21	09.1
46+24	P.I.	7.26	09.0
46+43	P.I.	7.72	08.6
47+00		9.20	07.1
	2.21	✓ 906.86	11.60
		✓ 904.65	
48+00		4.77	902.1
+50		7.34	899.6
49+00		8.53	98.4
50+00		9.18	97.7
51+00		9.58	97.3
52+00		10.08	96.8
	3.94	✓ 900.72	10.08
		896.78	
B.M.		868	900.04
			✓ 906.03

TOP OF HYD. 100 FT. STA. 44185 INT. PAYNE AVE. & MONT

✓
900.72

53+00			4.50	896.2
54+00			4.98	95.7
55+00			5.64	95.1
56+00			6.83	93.9
+25			7.44	93.3
57+00			9.73	91.0
58+00			12.39	88.3

1.07 ✓ 882.40 12.39 888.33 ✓

59+00			3.39	86.0
60+00			5.66	83.7
61+00			7.94	81.5
62+00			7.83	79.6
63+00			10.26	79.1
64+00			10.65	78.7

3.42 ✓ 882.17 10.65 878.75 ✓

65+00			3.94	78.3
66+00			4.42	77.8

B.M. 1.44 ✓ 882.14 1.44 880.73 880.70 ✓

67+00			4.74	77.4
68+00			6.12	76.0
69+00			7.54	74.6
70			8.84	73.3

71			9.30	72.8
72			8.78	73.3

73			7.40	74.7
----	--	--	------	------

B.M. 9.79 ✓ 884.06 7.87 874.27 874.27 ✓

884.06

74+00 7.47 876.6

75+00 5.41 78.7

76+00 3.35 80.7

77+00 1.19 82.9

10.64 893.51 1.19 882.87

78+00 7.75 85.7

78+11 7.45 86.0

78+33⁹⁴ 6.69 86.8

78+57 6.40 87.1

1.74 891.26 4.99 888.52 888.52

78+67 4.2 87.1

79+00 6.6 84.7

+50 7.7 82.6

80+00 8.7 82.6

+50 8.8 82.5

81+00 8.3 83.0

+50 7.9 83.4

82+00 7.6 83.7

+50 6.7 84.6

83+00 6.4 84.9

6.31 891.58 5.79 885.27

+50 8.4 83.2

84+00 10.0 81.6

+50 11.1 80.5

85+00 11.9 79.7

✓
891.58

+50				10.2	81.4
86+00				8.0	83.6
+50				5.8	85.8
87+00				3.6	88.0
+50				2.0	89.6
88+00				1.5	90.1
+50				2.1	89.5
	8.29	898.46	1.41	890.17	
89+00				7.5	91.0
+40				5.7	94.8
+75				3.2	95.3
90+00				4.3	94.2
B.N.			12.69	885.77	885.76
+60				11.2	87.3
T.P.	1.58	889.55	10.49	887.97	
+69				4.8	84.8
+80				7.8	79.8
	1.18	877.72	13.01	876.54	
91+00				8.8	68.9
+04				10.1	67.6
	3.72	868.35	13.09	864.63	
+23				5.4	63.0
+40				8.1	60.3
+45	TOP OF WATER.			89.0	859.45
+50				13.9	54.5

SPK IN STUMP 110 AT STA 90+10.

✓
868.35

+70 16.9 51.5

+90 14.9 53.5

+95 Tor. OF WATER. 8.90 59.45

92 6.8 61.6

+03 5.7 62.7

+06 Edge of Pavement 5.7 62.7

+25 E ✓ ✓ 5.47 62.9

+44 Edge. ✓ ✓ 5.70 62.7

93 5.5 62.9

+50 5.0 63.4

94 3.8 64.6

+50 4.4 64.0

95 4.4 64.0

+50 5.8 62.6

96 5.7 62.7

+10 5.6 62.8

+50 7.0 61.4

97 +05 5.2 63.2

+16 3.2 ✓ 65.2

9.03 87269 469 863.16

+34 EDGE OF PAVE 7.64 65.1

+50 7.53 65.2

+62²⁵ P.I. 7.54 65.2

98 +00 7.07 65.6

+50 5.80 66.9

✓
872.69

99

+50

100

B. Nl

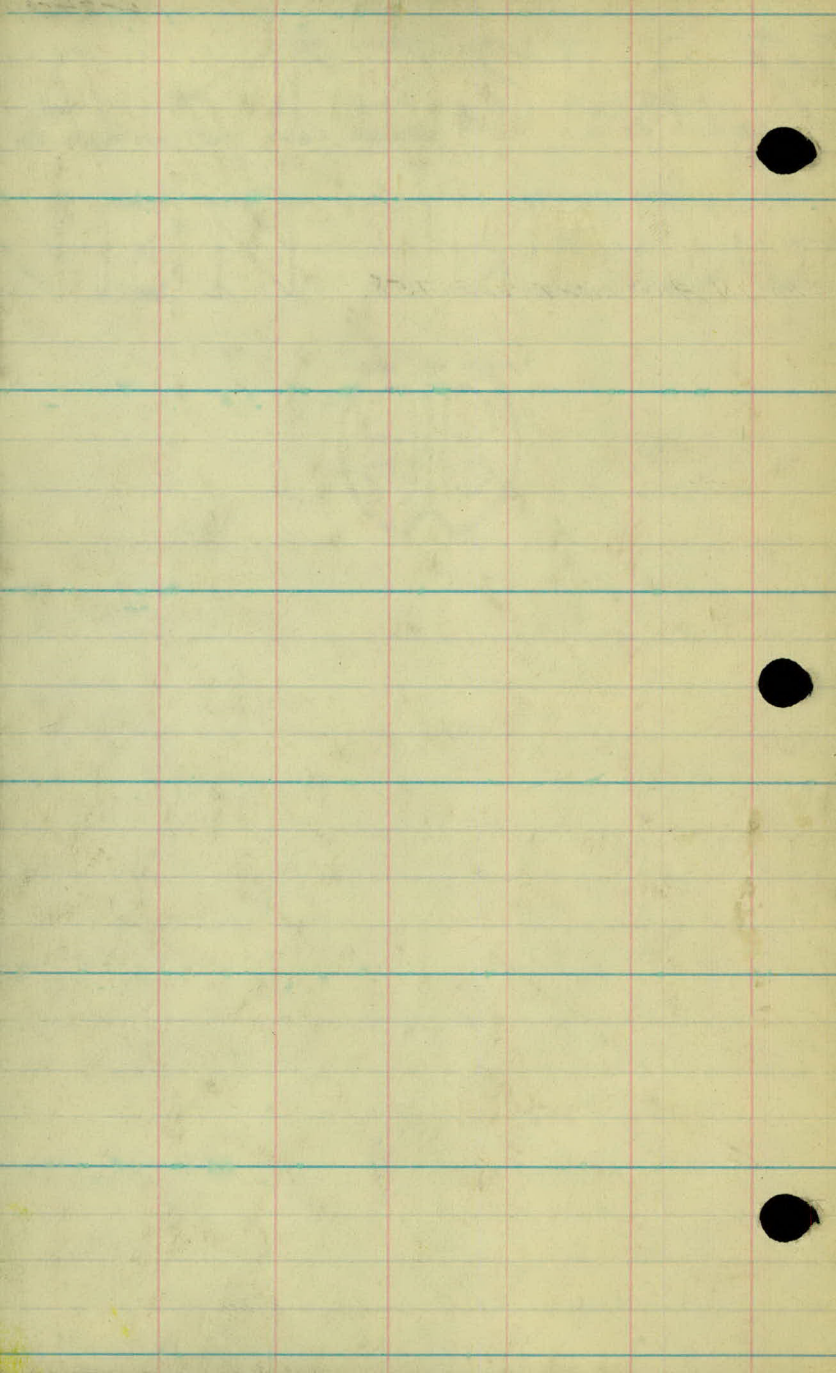
4.51 868.2

3.18 69.5

1.89/ 70.8/

2.07 863.62 863.60

SPK IN ARC. LIGHT POLE #58.



PAYNE AVE CUT-OFF.

EXTENSION.

X SEC. FROM 0100 TO STA 41+18.

B.M.	4.76	807.83 [✓]	803.09
0+00			03.2
0+40			02.4
		838.68 - 15+50	
0+50			800.8
0+80			01.4
1+00			01.6
1+50			01.5
2+00			03.0
2+50			01.7
3+00			02.0
3+50			02.6
4+00			03.9
4+50			04.8
	10.58	817.44 [✓]	0.79
5+00			807.06 [✓]
			06.6

SPK IN P.P. LT. STR. 0400.

7.1 6.1 5.8 5.7 4.9 5.3 5.7 5.3 5.7 9.5 9.5 6.9 6.9
60 50 40 28 13 4.7 1.8 22 44 52 58 60 63 65

↖ Miss.

4.1 4.4 4.8 5.6 9.5 9.5 6.8 6.7 6.8
60 50 35 27 5.5 9 10 14 30 60

BOTTOM OF DITCH

4.1 4.5 4.9 5.5 5.7 9.5 9.5 6.8 6.9 6.5 6.7 6.7
60 50 39 23 10 4 3 7.1 3 6 32 50 60

BOTTOM OF DITCH

3.2 5.4 8.6 8.6 6.5 6.4 6.5 8.5 8.5 6.8 6.4 6.4
60 50 45 44 41 22 6.5 18 20 21 23 30 60

5.1 5.5 6.2 6.1 8.2 8.2 6.5 6.6 6.3
60 50 47 4.3 37 38 39 41 50 60

6.8 6.8 8.5 8.5 5.6 5.3 5.3 6.2 6.2 6.0 5.8 5.7
60 50 49 47 43 37 19 10 6.4 22 40 50 60

6.6 6.4 5.5 6.5 6.5 5.4 4.7 6.0 5.8
60 22 13 11 9 7 4.9 18 31 60

6.1 6.4 6.0 7.7 7.7 5.1 4.0 4.1 4.1 4.0
60 37 6.2 27 29 31 36 45 50 57 60

6.5 6.4 5.6 4.8 5.2
60 34 5.9 39 50 60

6.1 6.0 5.6 5.2 4.6 4.0
60 50 21 5.3 20 50 60

5.5 5.4 4.6 3.4 3.5 3.2
60 50 25 4.0 30 50 60

3.5 3.2 3.2 3.0 2.2 2.0
60 50 34 3.1 30 50 60

11.7 11.5 10.0 9.4 8.7
60 31 10.8 30 50 60

817.44

5+50

09.1

6+00

11.8

6+50

12.4

7+00

12.0

7+50

10.9

6.05

817.38

6.11

811.33

8+00

10.9

8+18

11.9

8+50

11.6

9+00

11.3

9+50

12.4

10+00

10.2

10+50

11.1

11+00

13.1

$\frac{70}{60}$ $\frac{86}{50}$ $\frac{88}{39}$ $\frac{80}{26}$ $\frac{64}{50}$ $\frac{61}{60}$

$\frac{62}{60}$ $\frac{61}{50}$ $\frac{61}{34}$ $\frac{57}{30}$ $\frac{54}{50}$ $\frac{54}{60}$

$\frac{35}{60}$ $\frac{38}{50}$ $\frac{42}{41}$ $\frac{56}{26}$ $\frac{55}{43}$ $\frac{55}{60}$

$\frac{52}{60}$ $\frac{62}{50}$ $\frac{51}{27}$ $\frac{59}{25}$ $\frac{61}{50}$ $\frac{64}{60}$

TOP OF S. WALK

$\frac{54}{60}$ $\frac{58}{50}$ $\frac{59}{25}$ $\frac{64}{27}$ $\frac{60}{38}$ $\frac{63}{50}$ $\frac{66}{60}$

TOP OF S. WALK

$\frac{64}{60}$ $\frac{62}{50}$ $\frac{54}{32}$ $\frac{56}{20}$ $\frac{59}{26}$ $\frac{69}{46}$ $\frac{70}{50}$ $\frac{70}{60}$

TOP OF S. WALK

$\frac{58}{60}$ $\frac{52}{57}$ $\frac{54}{48}$ $\frac{63}{27}$ $\frac{60}{14}$ $\frac{65}{55}$ $\frac{64}{21}$ $\frac{64}{27}$ $\frac{71}{38}$ $\frac{68}{46}$ $\frac{71}{50}$ $\frac{71}{60}$

$\frac{57}{60}$ $\frac{53}{50}$ $\frac{53}{41}$ $\frac{64}{17}$ $\frac{66}{7}$ $\frac{72}{30}$ $\frac{67}{50}$ $\frac{66}{60}$

$\frac{55}{60}$ $\frac{57}{50}$ $\frac{62}{42}$ $\frac{65}{77}$ $\frac{58}{41}$ $\frac{56}{12}$ $\frac{52}{34}$ $\frac{50}{50}$ $\frac{50}{60}$

$\frac{92}{60}$ $\frac{90}{50}$ $\frac{81}{25}$ $\frac{61}{16}$ $\frac{42}{29}$ $\frac{42}{50}$ $\frac{42}{60}$

$\frac{80}{60}$ $\frac{77}{50}$ $\frac{76}{36}$ $\frac{70}{72}$ $\frac{46}{7}$ $\frac{29}{18}$ $\frac{23}{50}$ $\frac{23}{60}$

$\frac{72}{60}$ $\frac{72}{50}$ $\frac{69}{40}$ $\frac{67}{18}$ $\frac{57}{63}$ $\frac{45}{14}$ $\frac{32}{29}$ $\frac{20}{50}$ $\frac{20}{60}$

$\frac{47}{60}$ $\frac{38}{25}$ $\frac{31}{50}$ $\frac{28}{60}$

817.38 ✓

11 + 50

15.2

10.93 822.88⁸⁸ 5.43 811.95 ✓

12 + 00

16.4

12 + 50

18.0

13 + 00

19.4

13 + 45

20.4

12.32 833.04 ✓ 2.17 820.71 ✓

13 + 45

20.4

14 + 00

28.4

14 + 35

30.5

15 + 00

29.5

15 + 50

29.3

15 + 90

31.2

7.87 839.47 ✓ 1.44 831.60 ✓

16 + 00

33.9

B.M.

0.79 838.68 ✓ 838.68

16 + 50

33.4

<u>4.6</u>	<u>4.0</u>	<u>3.0</u>		<u>1.5</u>	<u>1.4</u>
60	50	32	2.1	34	60

SPK IN WILLOW RT 5717 10+25

<u>8.4</u>	<u>8.1</u>	<u>7.2</u>		<u>5.8</u>	<u>4.9</u>	<u>4.4</u>
60	50	26	6.5	23	50	60

<u>7.1</u>	<u>6.7</u>	<u>5.8</u>		<u>5.2</u>	<u>1.9</u>	<u>0.7</u>
60	50	33	4.7	50	50	60

<u>6.5</u>	<u>6.1</u>	<u>4.5</u>		<u>1.7</u>	<u>1.3</u>	<u>1.0</u>
60	50	25	3.5	31	50	60

<u>5.4</u>	<u>4.9</u>	<u>3.7</u>				
60	50	24	2.5			

<u>12.6</u>	<u>9.3</u>	<u>2.1</u>	<u>7.4</u>
32	50	60	

<u>13.1</u>	<u>11.4</u>	<u>9.6</u>		<u>1.2</u>	<u>0.5</u>	<u>0.4</u>	<u>0.4</u>
60	50	36	4.6	23	31	50	60

ABOVE H.I.

<u>10.9</u>	<u>10.0</u>	<u>8.5</u>	<u>6.2</u>		<u>0.6</u>	<u>+2.0</u>	<u>+3.4</u>	<u>+3.1</u>
60	50	38	22	2.5	13	30	50	60

<u>10.0</u>	<u>9.5</u>	<u>8.3</u>	<u>5.8</u>		<u>1.5</u>	<u>+1.5</u>	<u>+3.2</u>	<u>+3.5</u>	<u>+4.3</u>
60	50	36	16	3.5	15	28	43	50	60

<u>10.6</u>	<u>9.6</u>	<u>8.8</u>	<u>6.7</u>	<u>5.2</u>		<u>2.7</u>	<u>1.5</u>	<u>0.5</u>	<u>+1.2</u>	<u>+4.3</u>	<u>+4.5</u>
50	42	34	27	18	3.7	7	13	21	35	50	60

OCEAN HOUSE

<u>8.1</u>	<u>7.1</u>	<u>6.1</u>	<u>4.0</u>		<u>+1.6</u>	<u>+2.2</u>	<u>+3.2</u>	<u>+4.2</u>
48	48	26	13	18	12	26	43	60

<u>13.9</u>	<u>11.5</u>	<u>9.6</u>	<u>5.5</u>		<u>4.2</u>	<u>4.1</u>	<u>3.8</u>	<u>4.5</u>	<u>3.6</u>	<u>3.1</u>
44	23	16	4	5.6	22	32	39	42	50	60

SPK IN R.P. 65 RT. 5717. 15+50.

<u>8.0</u>	<u>7.4</u>	<u>7.2</u>	<u>6.6</u>		<u>5.4</u>	<u>4.3</u>	<u>3.8</u>	<u>3.6</u>
60	50	34	24	6.1	17	33	50	60

839.47✓

17+00

34.9

13.19 850.13✓ 2.53 836.94✓

17+50

42.1

12.88 862.00✓ 0.75 849.18✓

18+00

53.2

18+50

62.6

12.14 873.71✓ 0.49 861.57✓

18+50

62.6

18+80

67.8

19+00

67.5

19+50

59.6

0.94 861.51✓ 13.14 860.57✓

19+50

59.6

20+00

50.9

20+50

46.2

0.69 849.04✓ 12.56 848.95✓ 848.96

20+50

46.2

21+00

43.5

$\begin{array}{r} 28 \\ 66 \end{array}$
 $\begin{array}{r} 78 \\ 50 \end{array}$
 $\begin{array}{r} 62 \\ 25 \end{array}$
 $\begin{array}{r} 46 \\ 21 \end{array}$
 $\begin{array}{r} 24 \\ 41 \end{array}$
 $\begin{array}{r} 14 \\ 35 \end{array}$
 $\begin{array}{r} +0.3 \\ 50 \end{array}$
 $\begin{array}{r} +14 \\ 60 \end{array}$

$\begin{array}{r} 15.0 \\ 60 \end{array}$
 $\begin{array}{r} 138 \\ 50 \end{array}$
 $\begin{array}{r} 10.5 \\ 20 \end{array}$
 $\begin{array}{r} 8.0 \\ 22 \end{array}$
 $\begin{array}{r} 5.0 \\ 34 \end{array}$
 $\begin{array}{r} 3.7 \\ 50 \end{array}$
 $\begin{array}{r} 0.6 \\ 60 \end{array}$
 $\begin{array}{r} +0.5 \\ 60 \end{array}$

$\begin{array}{r} 20.0 \\ 60 \end{array}$
 $\begin{array}{r} 190 \\ 50 \end{array}$
 $\begin{array}{r} 164 \\ 35 \end{array}$
 $\begin{array}{r} 130 \\ 19 \end{array}$
 $\begin{array}{r} 11.1 \\ 8 \end{array}$
 $\begin{array}{r} 8.9 \\ 22 \end{array}$
 $\begin{array}{r} 4.1 \\ 35 \end{array}$
 $\begin{array}{r} 2.6 \\ 50 \end{array}$
 $\begin{array}{r} 0.0 \\ 60 \end{array}$
 $\begin{array}{r} +1.5 \\ 60 \end{array}$

$\begin{array}{r} 9.8 \\ 60 \end{array}$
 $\begin{array}{r} 7.5 \\ 50 \end{array}$
 $\begin{array}{r} 4.4 \\ 30 \end{array}$
 $\begin{array}{r} 1.7 \\ 14 \end{array}$
 $\begin{array}{r} 0.5 \end{array}$

$\begin{array}{r} 7.7 \\ 11.1 \end{array}$
 $\begin{array}{r} 6.7 \\ 18 \end{array}$
 $\begin{array}{r} 5.0 \\ 27 \end{array}$
 $\begin{array}{r} 2.8 \\ 31 \end{array}$
 $\begin{array}{r} 2.5 \\ 50 \end{array}$
 $\begin{array}{r} 2.5 \\ 60 \end{array}$

$\begin{array}{r} 18.9 \\ 60 \end{array}$
 $\begin{array}{r} 15.3 \\ 50 \end{array}$
 $\begin{array}{r} 11.1 \\ 27 \end{array}$
 $\begin{array}{r} 9.3 \\ 15 \end{array}$
 $\begin{array}{r} 5.9 \\ 22 \end{array}$
 $\begin{array}{r} 3.5 \\ 38 \end{array}$
 $\begin{array}{r} 3.4 \\ 50 \end{array}$
 $\begin{array}{r} 4.5 \\ 60 \end{array}$
 $\begin{array}{r} 5.8 \\ 60 \end{array}$

$\begin{array}{r} 18.2 \\ 60 \end{array}$
 $\begin{array}{r} 14.7 \\ 50 \end{array}$
 $\begin{array}{r} 130 \\ 44 \end{array}$
 $\begin{array}{r} 11.6 \\ 29 \end{array}$
 $\begin{array}{r} 7.5 \\ 10 \end{array}$
 $\begin{array}{r} 6.2 \\ 62 \end{array}$
 $\begin{array}{r} 6.2 \\ 15 \end{array}$
 $\begin{array}{r} 7.7 \\ 31 \end{array}$
 $\begin{array}{r} 10.4 \\ 50 \end{array}$
 $\begin{array}{r} 13.0 \\ 60 \end{array}$

$\begin{array}{r} 15.2 \\ 60 \end{array}$
 $\begin{array}{r} 140 \\ 50 \end{array}$
 $\begin{array}{r} 13.6 \\ 40 \end{array}$
 $\begin{array}{r} 13.5 \\ 22 \end{array}$
 $\begin{array}{r} 14.1 \end{array}$

$\begin{array}{r} 2.9 \\ 11 \end{array}$
 $\begin{array}{r} 4.6 \\ 16 \end{array}$
 $\begin{array}{r} 5.0 \\ 25 \end{array}$
 $\begin{array}{r} 7.3 \\ 37 \end{array}$
 $\begin{array}{r} 7.8 \\ 50 \end{array}$
 $\begin{array}{r} 11.2 \\ 60 \end{array}$

$\begin{array}{r} 5.1 \\ 60 \end{array}$
 $\begin{array}{r} 5.9 \\ 50 \end{array}$
 $\begin{array}{r} 5.9 \\ 36 \end{array}$
 $\begin{array}{r} 8.1 \\ 42 \end{array}$
 $\begin{array}{r} 10.6 \\ 10.6 \end{array}$
 $\begin{array}{r} 10.6 \\ 12 \end{array}$
 $\begin{array}{r} 12.7 \\ 28 \end{array}$
 $\begin{array}{r} 15.1 \\ 50 \end{array}$
 $\begin{array}{r} 16.9 \\ 60 \end{array}$

$\begin{array}{r} 8.6 \\ 60 \end{array}$
 $\begin{array}{r} 9.5 \\ 50 \end{array}$
 $\begin{array}{r} 13.2 \\ 24 \end{array}$
 $\begin{array}{r} 15.3 \end{array}$

NAIL IN F.P LT. 3TH. 20135

$\begin{array}{r} 5.5 \\ 3.4 \end{array}$
 $\begin{array}{r} 6.2 \\ 10 \end{array}$
 $\begin{array}{r} 7.5 \\ 22 \end{array}$
 $\begin{array}{r} 8.0 \\ 43 \end{array}$
 $\begin{array}{r} 9.1 \\ 50 \end{array}$
 $\begin{array}{r} 9.1 \\ 60 \end{array}$

$\begin{array}{r} 0.0 \\ 60 \end{array}$
 $\begin{array}{r} 1.3 \\ 50 \end{array}$
 $\begin{array}{r} 4.7 \\ 18 \end{array}$
 $\begin{array}{r} 6.1 \\ 23 \end{array}$
 $\begin{array}{r} 7.2 \\ 42 \end{array}$
 $\begin{array}{r} 8.1 \\ 50 \end{array}$
 $\begin{array}{r} 8.6 \\ 60 \end{array}$
 $\begin{array}{r} 8.8 \end{array}$

849.64✓

21+50

44.5

22+00

46.3

22+35

44.6

0.85 838.09✓ 12.40 837.24✓

23+00

32.9

23+50

29.5

24+00

29.8

24+50

32.9

25+00

35.0

13.45 850.40✓ 1.14 836.95✓

25+50

39.6

12.50 862.28✓ 0.62 849.78✓

26+00

49.4

B.M.

12.05 862.24 12.05 850.23 850.21

26+50

55.8

27+00

59.1

11.98 874.02✓ 0.22 862.04✓

27+50

62.5

$\frac{1.7}{60}$	$\frac{2.5}{60}$	$\frac{4.1}{23}$		$\frac{5.8}{24}$	$\frac{6.0}{42}$	$\frac{6.4}{50}$	$\frac{6.6}{60}$
------------------	------------------	------------------	--	------------------	------------------	------------------	------------------

$\frac{2.3}{60}$	$\frac{2.0}{50}$	$\frac{2.1}{37}$	$\frac{2.3}{18}$	3.3	$\frac{4.0}{15}$	$\frac{4.9}{23}$	$\frac{6.1}{34}$	$\frac{7.9}{50}$	$\frac{8.8}{60}$
------------------	------------------	------------------	------------------	-----	------------------	------------------	------------------	------------------	------------------

$\frac{4.2}{60}$	$\frac{4.2}{50}$	$\frac{4.1}{20}$	5.0	$\frac{7.2}{17}$	$\frac{8.9}{30}$	$\frac{11.7}{50}$	$\frac{13.6}{60}$
------------------	------------------	------------------	-----	------------------	------------------	-------------------	-------------------

$\frac{3.7}{60}$	$\frac{3.9}{50}$	$\frac{4.4}{26}$	5.2	$\frac{6.1}{18}$	$\frac{7.9}{39}$	$\frac{8.6}{50}$	$\frac{9.5}{60}$
------------------	------------------	------------------	-----	------------------	------------------	------------------	------------------

$\frac{7.4}{60}$	$\frac{7.5}{50}$	$\frac{7.9}{37}$	$\frac{10.4}{16}$	8.6	$\frac{7.4}{20}$	$\frac{5.7}{50}$	$\frac{5.0}{60}$
------------------	------------------	------------------	-------------------	-----	------------------	------------------	------------------

$\frac{10.8}{60}$	$\frac{10.3}{50}$	$\frac{9.7}{26}$	8.3	$\frac{6.1}{27}$	$\frac{5.3}{35}$	$\frac{4.3}{50}$	$\frac{4.0}{60}$
-------------------	-------------------	------------------	-----	------------------	------------------	------------------	------------------

$\frac{8.6}{60}$	$\frac{8.8}{50}$	$\frac{8.1}{34}$	$\frac{6.2}{24}$	5.2	$\frac{4.4}{23}$	$\frac{3.0}{50}$	$\frac{2.1}{60}$
------------------	------------------	------------------	------------------	-----	------------------	------------------	------------------

$\frac{6.5}{60}$	$\frac{5.7}{50}$	$\frac{5.1}{36}$	3.1	$\frac{1.6}{29}$	$\frac{1.7}{50}$	$\frac{2.0}{60}$
------------------	------------------	------------------	-----	------------------	------------------	------------------

$\frac{13.1}{60}$	$\frac{12.4}{50}$	$\frac{10.0}{14}$	10.8	$\frac{8.7}{15}$	$\frac{7.7}{36}$	$\frac{6.9}{50}$	$\frac{6.0}{60}$
-------------------	-------------------	-------------------	------	------------------	------------------	------------------	------------------

$\frac{14.0}{60}$	$\frac{13.3}{50}$	$\frac{13.0}{40}$	$\frac{12.2}{16}$	12.9	$\frac{12.7}{8}$	$\frac{12.5}{17}$	$\frac{8.5}{46}$	$\frac{8.4}{50}$	$\frac{7.9}{60}$
-------------------	-------------------	-------------------	-------------------	------	------------------	-------------------	------------------	------------------	------------------

SPX IN T.12 400 RT. ST. 24 109

$\frac{7.4}{60}$	$\frac{8.6}{50}$	$\frac{7.1}{24}$	6.5	$\frac{6.3}{25}$	$\frac{4.5}{50}$	$\frac{4.0}{60}$
------------------	------------------	------------------	-----	------------------	------------------	------------------

$\frac{7.5}{60}$	$\frac{6.7}{50}$	$\frac{4.4}{18}$	3.2	$\frac{2.4}{24}$	$\frac{2.0}{50}$	$\frac{1.6}{60}$
------------------	------------------	------------------	-----	------------------	------------------	------------------

$\frac{18.0}{60}$	$\frac{17.7}{50}$	$\frac{13.7}{18}$	11.5	$\frac{10.1}{28}$	$\frac{9.6}{50}$	$\frac{9.4}{60}$
-------------------	-------------------	-------------------	------	-------------------	------------------	------------------

874.02[✓]

28+00

66.1

28+50

68.1

29+00

69.3

12.18 885.19[✓] 1.01 873.01[✓]

29+50

74.9

30+00

82.2

12.48 896.74[✓] 0.93 884.26[✓]

30+50

84.5

31+00

90.4

10.86 907.07[✓] 0.53 896.21[✓]

31+65

99.5

32+00

99.0

32+50

896.8

33+00

905.3

33+15

03.1

33+50

04.7

3.35 916.77[✓] 3.65 913.42[✓]

$$\begin{array}{r} 141 \\ 60 \end{array} \quad \begin{array}{r} 132 \\ 50 \end{array} \quad \begin{array}{r} 12.1 \\ 37 \end{array} \quad \begin{array}{r} 9.9 \\ 17 \end{array} \quad \begin{array}{r} 7.9 \\ 7.9 \end{array} \quad \begin{array}{r} 4.9 \\ 22 \end{array} \quad \begin{array}{r} 3.8 \\ 37 \end{array} \quad \begin{array}{r} 4.6 \\ 46 \end{array} \quad \begin{array}{r} 5.5 \\ 60 \end{array}$$

$$\begin{array}{r} 9.9 \\ 60 \end{array} \quad \begin{array}{r} 9.7 \\ 50 \end{array} \quad \begin{array}{r} 8.5 \\ 31 \end{array} \quad \begin{array}{r} 7.4 \\ 16 \end{array} \quad \begin{array}{r} 5.9 \\ 5.9 \end{array} \quad \begin{array}{r} 4.7 \\ 21 \end{array} \quad \begin{array}{r} 3.4 \\ 40 \end{array} \quad \begin{array}{r} 3.1 \\ 50 \end{array} \quad \begin{array}{r} 3.2 \\ 60 \end{array}$$

$$\begin{array}{r} 4.0 \\ 60 \end{array} \quad \begin{array}{r} 4.3 \\ 50 \end{array} \quad \begin{array}{r} 5.3 \\ 29 \end{array} \quad \begin{array}{r} 4.7 \\ 4.7 \end{array} \quad \begin{array}{r} 4.3 \\ 18 \end{array} \quad \begin{array}{r} 3.7 \\ 31 \end{array} \quad \begin{array}{r} 2.5 \\ 37 \end{array} \quad \text{House}$$

$$\begin{array}{r} 10.3 \\ 60 \end{array} \quad \begin{array}{r} 11.2 \\ 50 \end{array} \quad \begin{array}{r} 10.8 \\ 23 \end{array} \quad \begin{array}{r} 10.3 \\ 10.3 \end{array} \quad \begin{array}{r} 7.5 \\ 20 \end{array} \quad \begin{array}{r} 7.2 \\ 36 \end{array} \quad \begin{array}{r} 9.0 \\ 50 \end{array} \quad \begin{array}{r} 8.1 \\ 60 \end{array}$$

$$\begin{array}{r} 2.4 \\ 60 \end{array} \quad \begin{array}{r} 2.6 \\ 50 \end{array} \quad \begin{array}{r} 2.8 \\ 22 \end{array} \quad \begin{array}{r} 3.0 \\ 3.0 \end{array} \quad \begin{array}{r} 1.9 \\ 17 \end{array} \quad \begin{array}{r} 1.5 \\ 37 \end{array} \quad \begin{array}{r} 0.7 \\ 50 \end{array} \quad \begin{array}{r} 0.0 \\ 60 \end{array}$$

$$\begin{array}{r} 11.4 \\ 60 \end{array} \quad \begin{array}{r} 9.8 \\ 50 \end{array} \quad \begin{array}{r} 9.2 \\ 34 \end{array} \quad \begin{array}{r} 10.6 \\ 19 \end{array} \quad \begin{array}{r} 12.2 \\ 12.2 \end{array} \quad \begin{array}{r} 11.8 \\ 27 \end{array} \quad \begin{array}{r} 10.1 \\ 50 \end{array} \quad \begin{array}{r} 8.0 \\ 60 \end{array}$$

$$\begin{array}{r} 8.7 \\ 60 \end{array} \quad \begin{array}{r} 7.5 \\ 50 \end{array} \quad \begin{array}{r} 5.4 \\ 28 \end{array} \quad \begin{array}{r} 6.3 \\ 6.3 \end{array} \quad \begin{array}{r} 6.6 \\ 16 \end{array} \quad \begin{array}{r} 6.6 \\ 42 \end{array} \quad \begin{array}{r} 5.7 \\ 50 \end{array} \quad \begin{array}{r} 4.8 \\ 60 \end{array}$$

$$\begin{array}{r} 12.3 \\ 60 \end{array} \quad \begin{array}{r} 11.4 \\ 50 \end{array} \quad \begin{array}{r} 9.7 \\ 32 \end{array} \quad \begin{array}{r} 8.4 \\ 18 \end{array} \quad \begin{array}{r} 7.6 \\ 7.6 \end{array} \quad \begin{array}{r} 6.0 \\ 20 \end{array} \quad \begin{array}{r} 5.5 \\ 42 \end{array} \quad \begin{array}{r} 4.9 \\ 50 \end{array} \quad \begin{array}{r} 5.8 \\ 60 \end{array}$$

$$\begin{array}{r} 11.0 \\ 60 \end{array} \quad \begin{array}{r} 11.0 \\ 50 \end{array} \quad \begin{array}{r} 9.9 \\ 23 \end{array} \quad \begin{array}{r} 8.9 \\ 15 \end{array} \quad \begin{array}{r} 8.1 \\ 8.1 \end{array} \quad \begin{array}{r} 6.6 \\ 16 \end{array} \quad \begin{array}{r} 5.6 \\ 31 \end{array} \quad \begin{array}{r} 5.5 \\ 50 \end{array} \quad \begin{array}{r} 6.1 \\ 60 \end{array}$$

$$\begin{array}{r} 9.7 \\ 60 \end{array} \quad \begin{array}{r} 8.1 \\ 50 \end{array} \quad \begin{array}{r} 6.2 \\ 43 \end{array} \quad \begin{array}{r} 8.6 \\ 19 \end{array} \quad \begin{array}{r} 10.5 \\ 10.5 \end{array} \quad \begin{array}{r} 11.4 \\ 21 \end{array} \quad \begin{array}{r} 12.3 \\ 37 \end{array} \quad \begin{array}{r} 13.0 \\ 50 \end{array} \quad \begin{array}{r} 14.1 \\ 60 \end{array}$$

$$\begin{array}{r} +1.3 \\ 60 \end{array} \quad \begin{array}{r} +0.6 \\ 46 \end{array} \quad \begin{array}{r} 3.8 \\ 30 \end{array} \quad \begin{array}{r} 4.0 \\ 6 \end{array} \quad \begin{array}{r} 1.8 \\ 1.8 \end{array} \quad \begin{array}{r} 4.3 \\ 7 \end{array} \quad \begin{array}{r} 4.8 \\ 23 \end{array} \quad \begin{array}{r} 7.7 \\ 50 \end{array} \quad \begin{array}{r} 8.0 \\ 60 \end{array}$$

$$\begin{array}{r} +0.9 \\ 60 \end{array} \quad \begin{array}{r} +1.4 \\ 50 \end{array} \quad \begin{array}{r} +1.5 \\ 36 \end{array} \quad \begin{array}{r} 3.2 \\ 19 \end{array} \quad \begin{array}{r} 4.0 \\ 4.0 \end{array} \quad \begin{array}{r} 0.2 \\ 10 \end{array} \quad \begin{array}{r} 0.3 \\ 13 \end{array} \quad \begin{array}{r} 2.4 \\ 18 \end{array} \quad \begin{array}{r} 3.1 \\ 33 \end{array} \quad \begin{array}{r} 4.0 \\ 50 \end{array} \quad \begin{array}{r} 4.4 \\ 60 \end{array}$$

$$\begin{array}{r} 0.8 \\ 60 \end{array} \quad \begin{array}{r} 0.0 \\ 50 \end{array} \quad \begin{array}{r} +1.8 \\ 22 \end{array} \quad \begin{array}{r} 1.2 \\ 18 \end{array} \quad \begin{array}{r} 1.0 \\ 8 \end{array} \quad \begin{array}{r} 2.3 \\ 3 \end{array} \quad \begin{array}{r} 2.4 \\ 2.4 \end{array} \quad \begin{array}{r} 5.0 \\ 7 \end{array} \quad \begin{array}{r} 4.7 \\ 14 \end{array} \quad \begin{array}{r} 5.6 \\ 23 \end{array} \quad \begin{array}{r} +0.6 \\ 42 \end{array} \quad \begin{array}{r} 1.5 \\ 60 \end{array}$$

706.77^v

34+00

04.6

34+20

9.2

903.5

8.24

702.99

12.09

894.68^v

34+80

890.0

35+00

90.2

35+50

92.5

36+00

92.8

36+50

899.1

9.98

712.24^v

0.69

902.23^v

37+00

901.9

37+21

05.9

37+50

08.1

11.06

722.20^v

1.07

711.14^v

38+00

15.6

38+26

17.8

38+42

EDGE OF SWAMP

11.6

	1.4	2.0		5.8	11.0	13.3
House	30	12	2.2	31	50	60

4.5	3.5	2.9	2.3		6.8	10.0	12.0	14.5
60	50	40	26	3.3	20	38	50	60

3.6	4.4	5.9	8.7		13.5	12.8	14.8	15.1
60	30	38	21	12.9	22	26	50	60

6.5	8.6	9.9		13.2	13.8	14.0	14.2
60	40	23	12.7	25	40	50	60

10.6	10.8	10.7		12.0	14.0	13.8
60	50	32	10.4	28	50	40

8.5	8.7	9.0	8.8		10.8	13.0	13.3	13.5	13.6
60	74	20	8	10.1	5	9	35	50	60

4.0	4.2	5.0	5.6		4.5	9.2	10.0	10.0
60	50	22	6	3.8	14	35	50	60

8.0	9.9		12.5	10.1	14.5	14.6
40	15	10.3	20	35	50	60

8.6	9.6	7.0		7.0	6.0	6.0
37	17	7	6.3	25	50	60

4.5	5.3	4.9		3.3	2.7	1.6	1.0
60	50	16	4.1	17	36	50	60

EDGE OF S.WALK.

15.2	15.6	14.6	14.0	13.6	8.1	5.2	4.7	4.9	5.8	6.0
60	52	50	39	32	21	6.6	15	31	43	61

EDGE OF S.WALK.

14.0	13.4	13.8	12.7	12.0	11.6	4.6	4.0	6.3	5.6	3.7	3.6
60	50	35	30	19	11	1	4.4	16	24	41	50

EDGE OF S.WALK.

12.4	12.6	13.3	12.9	12.1	11.3	11.6	10.9	8.1	5.0	4.5	4.0	3.6
60	53	52	50	37	20	17	8	10.6	14	27	50	52

922.20[✓]

38+68

11.7

39+00

13.4

39+50

16.2

437

921.70[✓]

487

917.33[✓]

40+00

16.6

+40

16.9

+28

16.98

41+00

17.09

+18

917.31

B.M.

1.82

919.88[✓]

919.87

EDGE OF S. WALK

EDGE OF S. WALK

10.0 11.6 11.5 11.5 10.7 97 92 88 5.0 4.2 4.0
60 58 51 39 22 10.5 3 12 19 25 50 60

EDGE OF S. WALK

EDGE OF S. WALK

72 5.1 5.0 5.4 9.1 9.0 9.0 8.4 8.5 7.7 7.3 7.0 4.2 4.1
60 53 50 40 33 25 15 14 8.8 7 22 26 34 41 45 60

EDGE OF S. WALK

5.9 6.5 6.5 6.5 7.2 6.0 6.0 6.3 5.3
House 14 6.0 4 11 31 24 40 50 56 60

EDGE OF S. WALK

7.0 7.0 6.4 6.1 5.1 5.0 5.2 5.4 4.3 4.2
60 50 37 21 16 5.1 10 26 29 50 60

EDGE OF S. WALK

EDGE OF S. WALK

6.4 5.4 5.3 5.6 5.8 5.1 4.8 4.1 4.0 2.0 2.0
60 55 44 31 29 4.8 28 32 42 51 56 60

5.3 5.1 5.2 4.8 4.2 3.9 3.8 2.3 2.0
60 50 26 9.7 16 16 27 33 39 60

5.1 5.2 5.6 5.06 4.72 4.08 3.8 3.8 1.2 1.6 1.0
60 50 34 11.6 4.61 16 16 27 33 39 41 60

5.4 6.0 6.1 4.2 4.0 4.0 4.65 5.32 4.55 3.90 3.8 3.6 1.2 1.0
60 50 47 38 30 20 16 16 4.39 16 16 27 33 39 60

