Book - 4 - Dr. 11-1

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN ..... Survey

FOSS RD.

From Co. Rd. D To S.T.H. No 63

Road Acc't. No. M3

Date Filed 11-8-29 File M.V. Twp.

1930 plans
See New Notes
for proj 31-M3

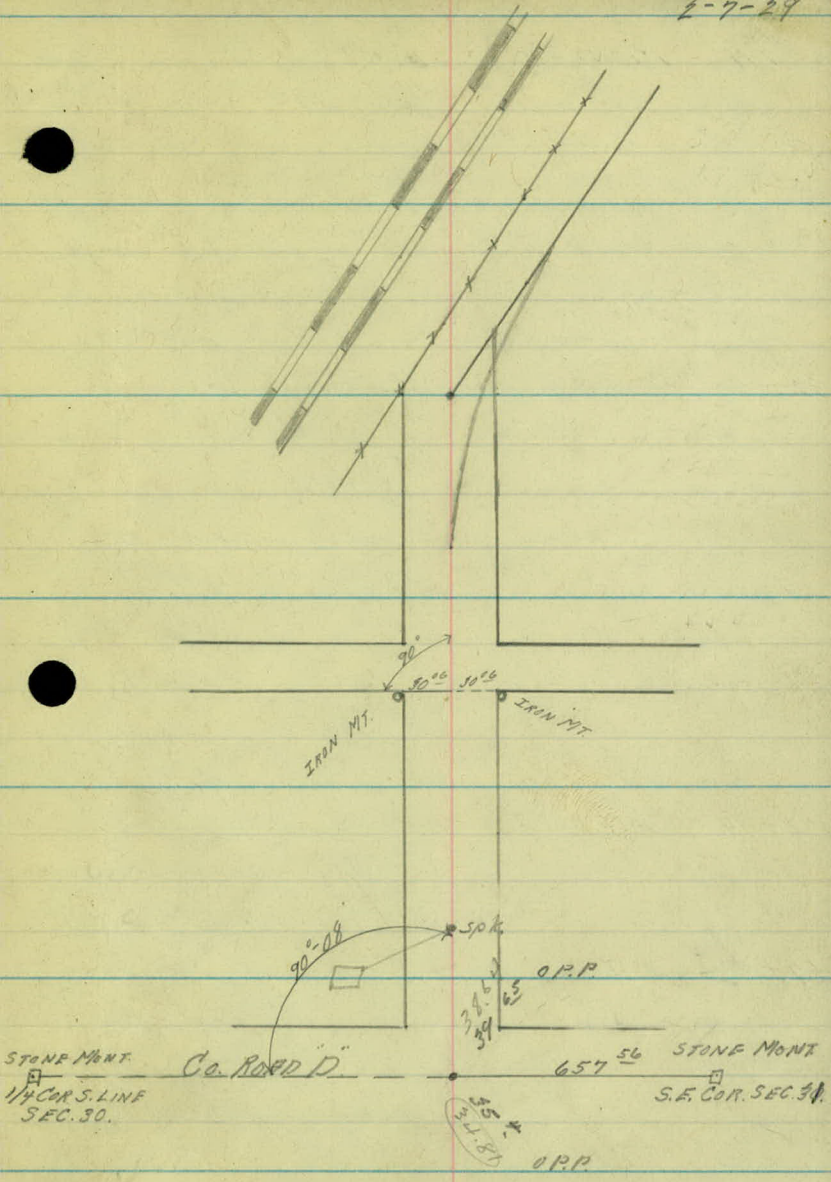
Twp Survey

Mounds

View

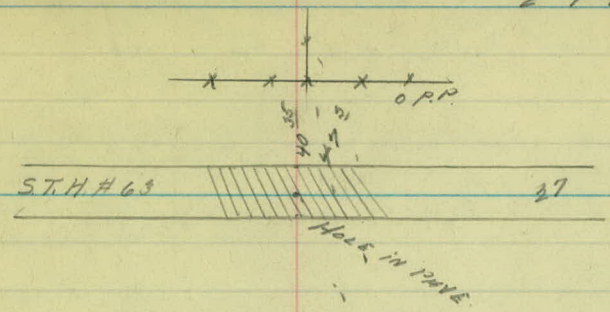
STA.	POINT	Δ LT	Δ RT	
20+66 31	P.T.		17°-45'	N 35°-39' E ✓
20+64.71 +50			16°-07'	
20 95			11°-87'	
19+80	P.I.			Δ-35°-91
19+79.35 DIV. +50			6°-07'	D.-20°-R.
19			1°-07'	T.-92 22 ✓
18+88 73	P.C.		0°-00	L.-177 58 ✓
18+87.13				R.-287 94 ✓
12+80°	P.O.T.			
6+62°	P.O.T.			N00°-08'E ✓
6+00	P.O.T.			
0+00				

2-7-27


90°
90°16'
90°16'
IRON PIN
IRON PIN
90°-08'
S.P.K.
O.P.P.
STONE MONT.
1/4 COR S. LINE SEC. 30.
Co. ROAD "D"
657.56
STONE MONT
S.E. COR. SEC. 31.
O.P.P.

STA.	POINT	Δ LT.	Δ RT.
55+78.3			
			S 89°-32' E. ✓
32+70.3	P.O.T.		
29+43.2	P.I.	0°-43'	
			N 89°-45' E. ✓
28+94.37	P.T.	27°-03'	
+50		22°-37'	
28		17°-37'	
27+70.9	P.I.		Δ-54°-06'
27+69.17			
+50		12°-37'	D-20°-R
27		7°-37'	T-147.03 ✓
+50		2°-37'	L-270.50 ✓
26+23.87	P.C.	0°-00	R-287.24 ✓
			N 35°-59' E.

2-7-29



SPK

STONE MONT.

5

4

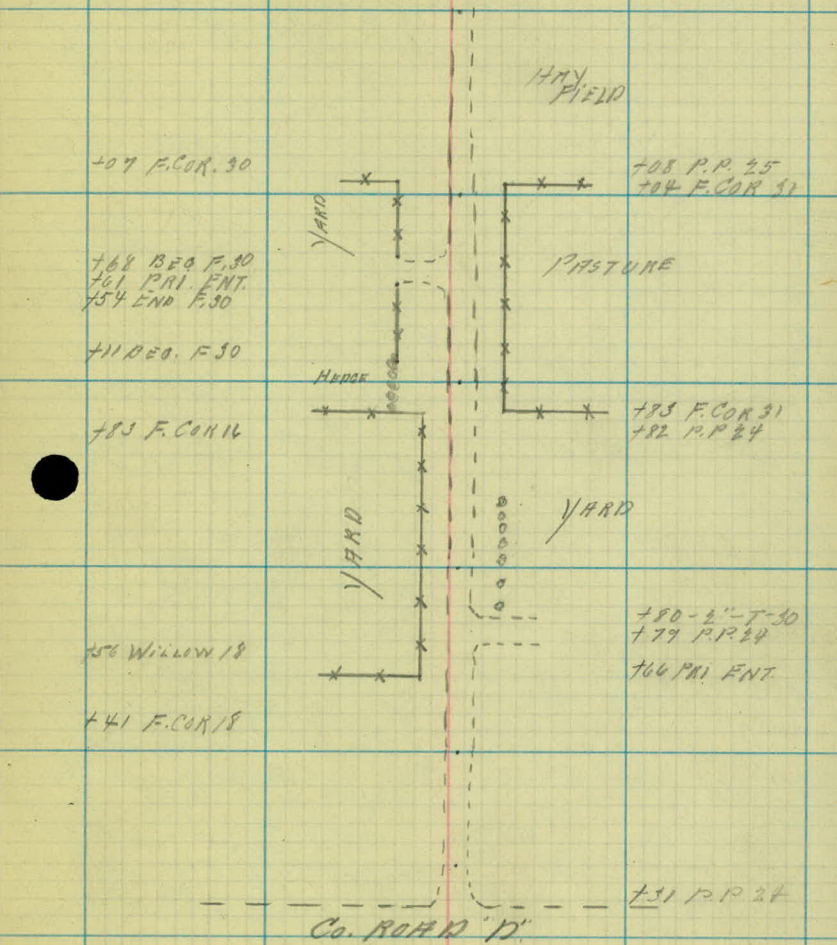
3

2

1+00

0+00

2-18-29


HAY FIELD
+07 F.COR. 30
+08 P.P. 25
+04 F.COR 31
YARD
PASTURE
+68 BEG F.30
+61 PRI. ENT.
+54 END F.30
+11 BEG. F 30
HEDGE
+83 F.COR 16
+83 F.COR 31
+82 P.P 24
YARD
YARD
+80-2"-F-30
+79 P.P 24
+56 WILLOW 18
+66 PRI. ENT.
+41 F.COR 18
+31 P.P 24
Co. ROAD "D"

11

10

9

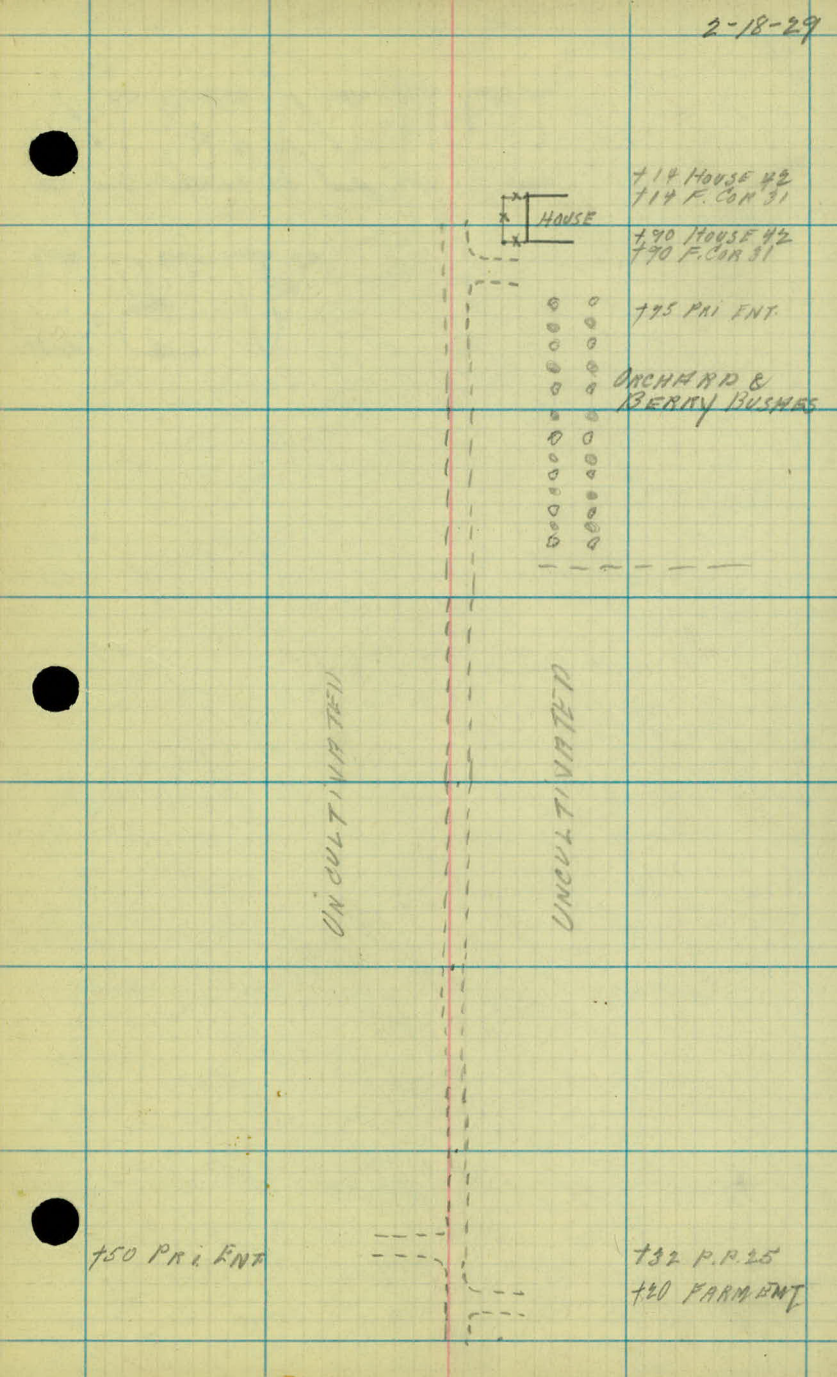
8

7

6

5

2-18-29


HOUSE
+14 HOUSE #2
+14 F. COM 31
+90 HOUSE #2
+90 F. COM 31
+75 PRI ENT
ORCHARD & BERRY BUSHES
UNCULTIVATED
UNCULTIVATED
+50 PRI ENT
+32 P.R.25
+20 PARM ENT

17

16

15

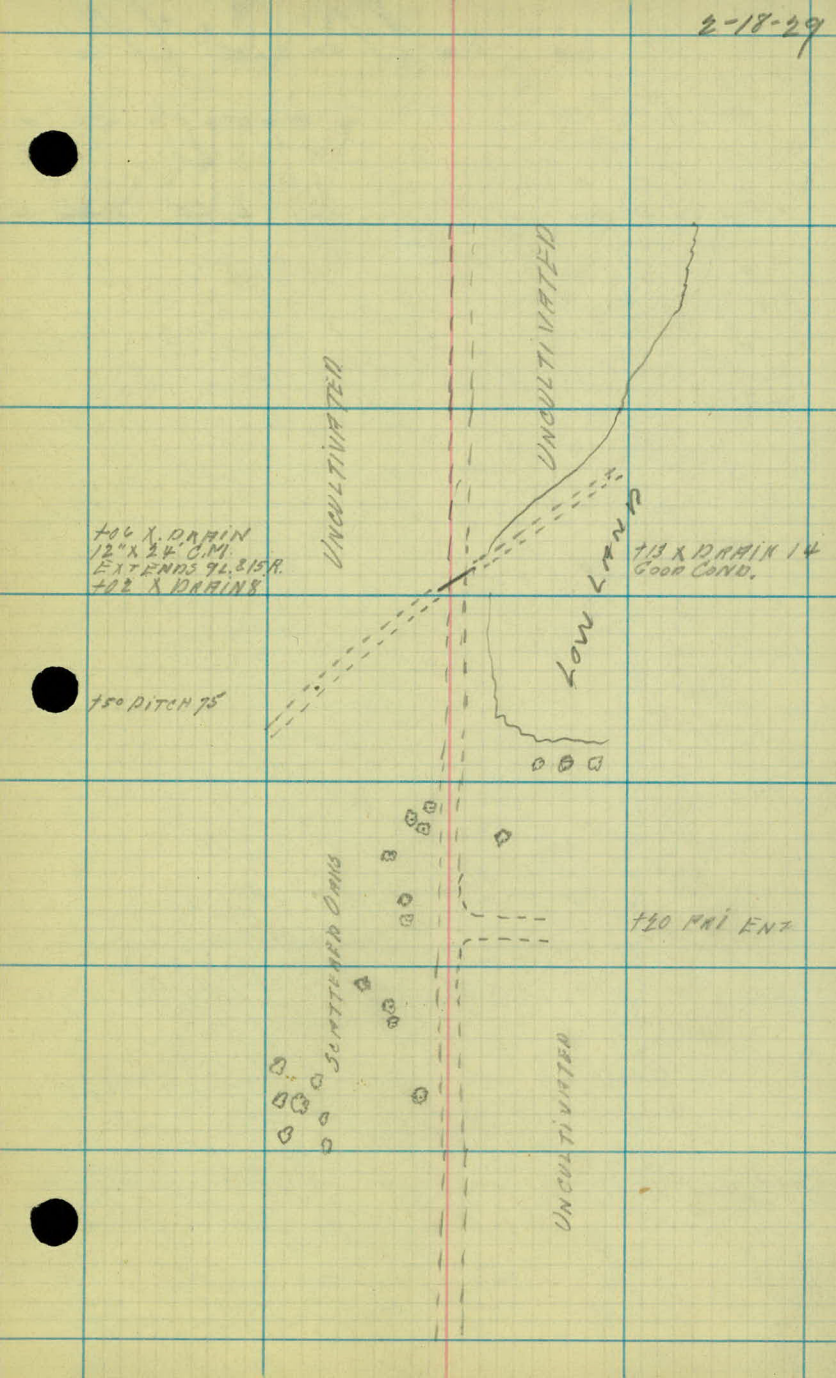
14

13

12

11

2-18-29


UNCULTIVATED
UNCULTIVATED
LOW LANDS
+06 X. DRAIN
12" X 24" C.M.
EXTENDS 92.3 15R.
+02 X DRAINS
+13 X DRAIN 14
GOOD COND.
+50 DITCH 75
SCATTERED OAKS
+20 PAI ENT
UNCULTIVATED

23

22

21

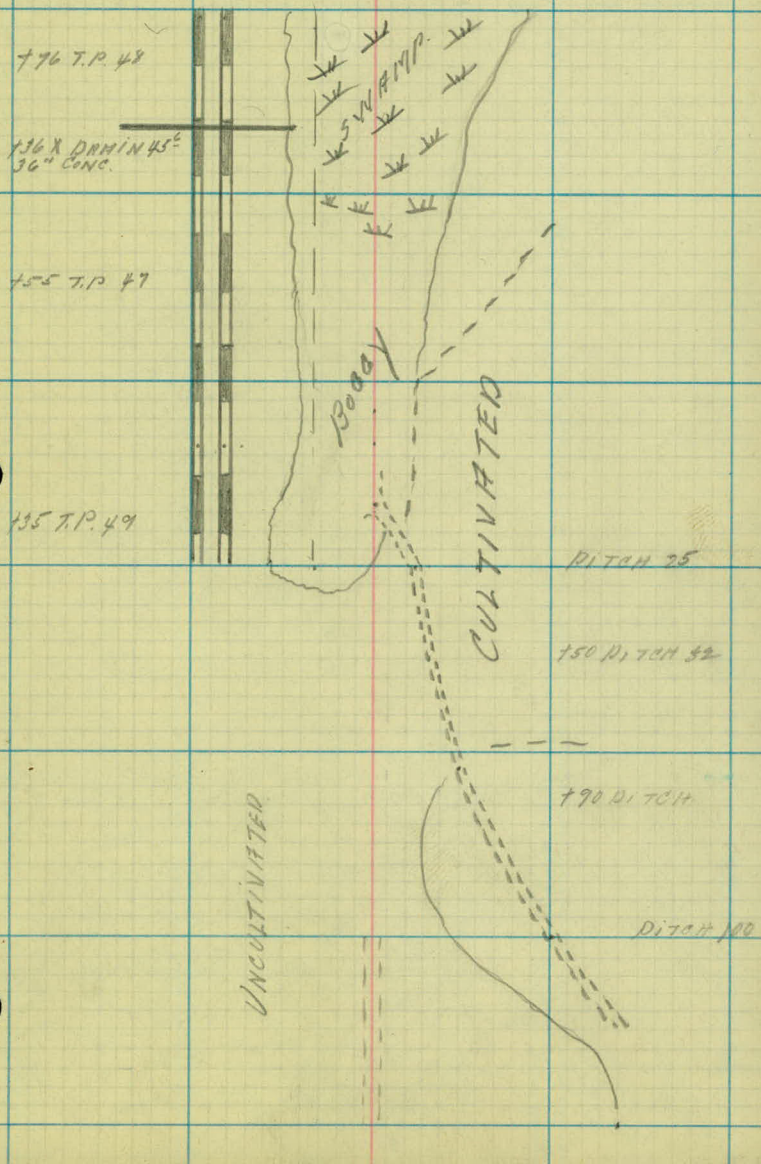
20

19

18

17

2-18-27


+76 T.P. 42
+36 X DRAIN 45°
36" CONC.
+55 T.P. 47
+35 T.P. 49
5½" F.P.
WOODS
CULTIVATED
DITCH 25
+50 DITCH 32
+90 DITCH
DITCH 100
UNCULTIVATED

29

28

27

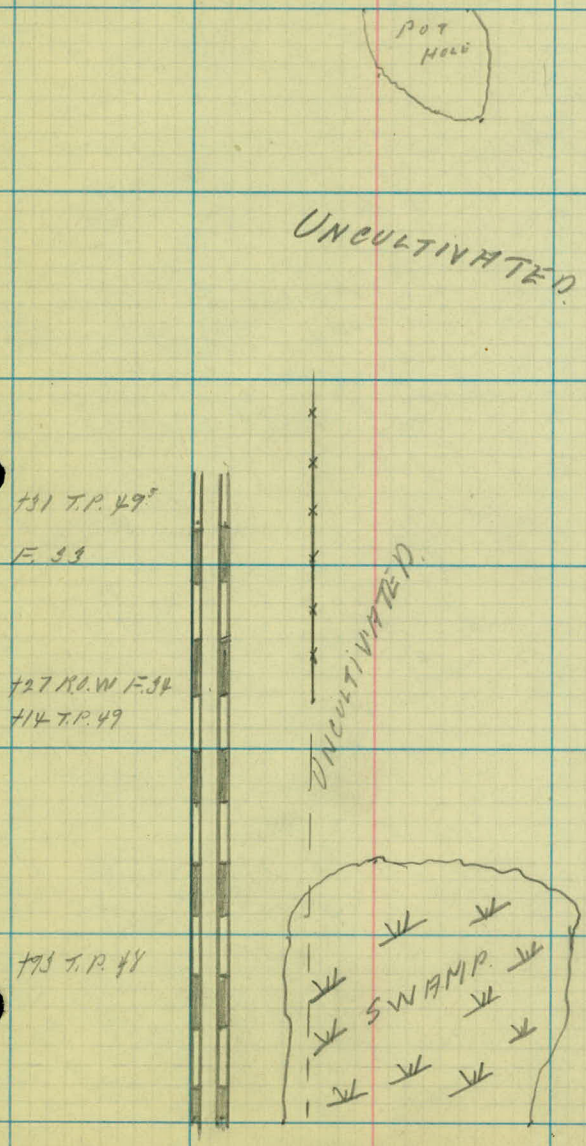
26

25

24

23

2-18-29


POT HOLE
UNCULTIVATED
#31 T.P. 49
E. 33
#27 R.O.W E.34
#14 T.P. 49
UNCULTIVATED
#73 T.P. 44
SWAMP

35

34

33

32

31

30

29

2-18-29

CULTIVATED

CULTIVATED

CULTIVATED

+24 - TWIN T.9
+16-30" - T-10

+70-24" T-9

41

40

39

38

37

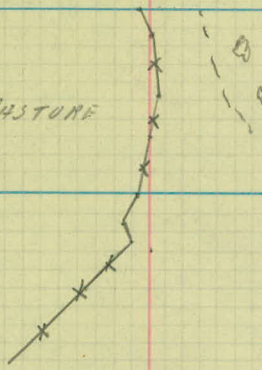
36

35

2-18-29

E 6
+86 F 2

+29 F 2
E 9
+23 F 14
+15 F 11
+50 F 37



CULTIVATED

UNCULTIVATED

47

46

45

44

43

42

41

2-18-29

+96 T.P 4

CULTIVATED

+51 T.P 2 E

+15 T.P 1

CULTIVATED

HAY FIELD

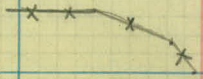
+64 T.P 2 1
R.P 5

PLUM TREES

SCATTERED TREES

YARD

+32 F.60
+17 F.19



53

52

51

50

49

48

47

2-18-27

PASTURE

+58 APPLE T. 14
+42 APPLE T. 26
+41 T.P. 10

+27 F.S.

+27-12"-T-13

+61-24"-T-12

+26-T.P.9

CULTIVATED

HAY FIELD

+53 T.P.8

+39 T.P.6

56

55

54

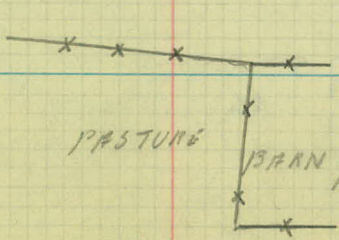
53

2-18-29

+44 T.P. 31

+28 T.P. 34

CULTIVATED



X SECTIONS

B.M.	5.26	757.14		952.08	
0+00		49			52.4
		908.30			
0+15					51.8
0+30					50.6
1+00			957.14		46.2
			9.44		
			947.90		
			8.24		
1+50			956.14		45.0
2+00					44.9
2+50					45.5
3+00					46.5
	8.24	956.14	9.44	947.90	
3+50					48.1
4+00					49.5
4+50					50.5
5+00					49.6
5+50					50.2

2.5	3.2	3.7	4.3		5.6	6.1	6.4	6.7	
100	150	100	50	4.9	50	100	150	200	

4.9	5.2		5.7	5.7		
33	16	5.5	13	33		

5.2	6.1	8.0		6.7	8.0	9.5	9.5	7.8	8.2
33	13	12	6.7	11	19	20	22	24	33

9.6	10.1	12.2		10.7	11.0	12.3	11.6	12.1	
33	11	7	11.1	6	11	18	20	33	

11.6	12.5	12.9		12.0	12.7	13.5	13.1	
33	24	8	12.3	6	14	20	33	

13.5	13.5	13.5		11.8	12.6	13.5	13.6	13.3	
3	17	4	12.4	7	15	20	21	33	

13.4	13.2	13.1		11.5	12.1	12.5	12.4	
33	16	7	11.8	10	15	21	33	

11.0	10.7	10.4	11.3		10.4	11.7	11.7	11.0	11.1
33	13	12	6	10.8	7	14	19	21	33

7.7	7.8	8.1	8.1		7.8	8.4	9.1	8.0	7.9
33	22	12	6	8.0	6	12	17	20	33

7.3	6.9	7.2		6.5	7.3	7.3	6.7	6.4	
33	10	7	6.4	7	12	18	20	33	

8.7	6.6	7.0		5.2	5.6	6.6	5.2	5.1	
33	9	7	5.4	5	9	19	20	33	

7.9	7.2	7.6	7.6		6.0	6.6	7.3	5.9	5.6
33	18	7	5	6.5	4	12	16	19	33

7.8	7.8	7.2		5.7	6.2	6.6	6.7	
33	15	8	5.9	6	14	17	33	

		956.14			
6+00					53.2
	11.03	961.57	5.58	950.56	950.54
6+50					55.2
6+77					54.2
7+00					52.6
7+50					48.6
	1.28	949.73	13.12	948.45	
8+00					42.9
	0.79	936.74	13.78	935.95	
8+50					36.6
9+00		947.3			32.0
9+50					29.4
10+00					29.1
10+50					28.3
11+00					26.5
11+40					25.4

5.0	5.3	4.3		3.3	4.0	1.2	1.6
33	19	9	4.9	10	16	20	39
1.9	2.1	2.9		6.8	7.2	3.1	4.3
33	16	9	6.4	10	14	18	33
3.0	3.5	8.4		8.0	3.6	4.5	
33	14	9	7.4	13	17	33	
7.1	7.6	10.0		9.0	9.8	6.9	7.4
33	15	9	9.0	5	13	16	33
11.3	11.8	13.7		12.7	13.9	11.3	12.5
33	12	8	13.0	4	13	16	33
3.5	4.9	7.9		6.8	7.5	9.4	11.0
33	9	6	6.8	8	14	20	33
+0.5	0.0	1.3		0.3	1.1	3.6	6.7
33	20	7	0.1	8	12	17	33
5.5	6.9	6.3		4.9	5.9	9.3	11.3
33	15	6	4.7	8	12	18	33
1.4	1.5	4.3	8.4	7.3	5.8	14.6	15.5
35	33	15	10	7.3	5	13	33	40
0.9	2.6	8.4	7.6	8.4	10.0	14.7	15.0
33	15	8	2	7.4	10	14	33	34
4.8	5.6	9.6	8.7	9.0	10.0	11.8	14.0
33	14	11	5	8.4	9	11	16	33
7.7	11.3	11.0	10.2	10.4	10.8	12.4	
33	13	6	2	10.2	6	9	33
9.9	12.6	13.4	11.4	11.7	12.2	11.8	10.4
33	15	9	4	11.3	7	11	19	33

936.74

12+00 27.1

12+30 28.3

12+60 27.8

0.50 92.87 12.35 92.99

13+00 24.7

13+50 21.2

1.51 92.83 1.51 92.38 92.32

14+00 18.5

14+50 17.2

15+00 17.0

15+50 17.1

16+00 19.0

+65 20.9

17+00 19.5

0.33 92.82 3.94 92.89

15.5/33 13.9/13 10.1/7 9.6 10.3/10 6.0/16 1.5/33

14.8/33 10.1/14 8.7/8 8.4 8.6/8 3.0/15 0.3/28 +0.5/33

13.9/33 10.9/20 7.0/10 8.7 9.6/9 6.1/13 4.3/33

5.9
4.3
1

2.0/33 0.3/23 0.3/6 0.2 0.6/4 +0.4/8 +0.8/9 +1.6/33

6.5/33 5.1/19 4.2/7 3.7/6 3.7 4.1/5 3.6/7 3.4/14 2.4/33

7.6/33 6.8/8 7.1/7 6.6/4 6.9 6.5/5 7.0/7 6.3/9 6.1/33

8.7/33 8.8/8 7.9/6 7.6 7.8/6 7.7/10 8.1/16 8.9/33

9.1/33 8.6/20 7.3/8 8.2/5 7.8 7.7/5 8.2/9 8.9/16 8.7/33

9.6/50 10.1 10.2 10.3/50

6.9/33 7.4/22 8.1/10 7.7/5 7.7 8.3/9 8.9/13 8.7/33

4.5/33 6.0/10 6.9/7 6.2/5 5.8 6.4/6 6.5/10 7.3/13 6.8/33

7.1/33 5.5/10 5.7/8 3.9/2 5.7 4.0/9 4.4/11 3.5/13 3.1/33

7.7/33 7.7/23 6.6/8 5.3/2 5.3 5.5/9 4.5/14 5.1/33

		921.22			
750					18.2
18+00					15.1
+50					14.8
19+00					16.3
+20					17.9
+50					14.7
20+00					11.2
	5.05	915.90	10.37	910.85	
20+50					10.9
21+00					09.9
22+00					08.9
23+00					09.0
24+00					08.9
	7.06	915.83	7.06	911.84	911.77
25+00					11.2

4.0 3.1 4.1 3.3 3.6 4.2 3.5 4.4
33 11 8 6 3.0 7 9 11 33

3.1 4.1 5.2 6.2 6.7 6.4 6.9 7.2
33 24 12 10 6 6.1 6 9 33

3.8 5.1 6.1 7.1 7.6 7.7
33 12 9 6.4 6 10 33

DITCH

4.4 4.7 3.7 3.3 4.3 4.3 5.8 6.4 5.3 4.5 7.7 7.3 4.6 4.2
33 28 23 14 11 3 4.9 4 9 17 30 43 48 60 65

6.0 5.5 4.3 4.2 3.2 5.1 4.6 5.2 5.7 7.9 7.6 5.7 3.7
33 20 14 13 8 3.3 6 8 17 33 39 42 48 50

7.8 7.9 6.5 5.8 6.1 6.5 6.6 7.0 6.7 10.7 10.7 6.8 6.3
33 25 16 11 4 6.5 4 12 16 26 31 35 41 45

8.5
33
10.2 10.0 9.9 9.0 9.2 10.2 9.5 10.3 10.8 8.5
33 9 10.0 3 9 14 16 23 21 24 30

5.4 5.5 5.4 7.3 4.6
33 19 5.0 7 21 33

6.2 5.9 6.1 5.5
33 20 6.0 20 33

7.0 7.0 7.1 7.2
33 15 7.0 15 33

7.10 X DRAIN UNDER TRACK
7.2 7. 7.2 7.4
33 20 6.9 12 33

6.5 7.0 7.0
33 15 7.0 33

5.5 5.3 4.1 4.7 4.5
33 22 14 4.4 17 33

915.89

25+50				11.9
26+00				14.0
	12.81	926.25	2.38	913.45
26+26				13.5
26+50				14.5
27+00				17.0
27+22				21.9
27+50				23.2
28+00				23.0
28+50				19.4
29+00				16.8
B.M.			3.50	922.76
29+50				16.6
30+00				19.8
31+00				18.2

3.8 4.0 4.0 3.3
33 14 3.9 13 33

2.6 3.0 0.8 0.9
33 17 1.8 17 33

12.6 12.4 12.3 9.8 9.5
33 11 12.8 12 27 33

12.0 11.7 11.7 12.1 11.6
33 18 11.8 12 21 33

9.2 9.2 9.7 9.6 8.4 7.7 6.2 6.3
33 24 18 9 9.3 7 17 25 33

7.7 7.4 7.5 6.6 4.8 4.9 5.1
33 27 21 11 4.4 12 25 33

1.8 2.7 3.7 4.2
33 11 3.1 16 33

1.2 2.1 4.4 5.3
33 18 3.3 14 33

3.2 4.2 5.7 9.0 9.8 10.0
33 24 10 6.9 16 29 33

6.2 8.3 10.1 10.3 10.3
33 14 9.5 10 22 33

7.1 7.2 9.8 8.6 7.0
33 17 9 9.7 22 33

7.7 8.0 7.3 6.2 6.3 3.7 4.9
33 20 10 6.5 5 9 22 33

10.8 10.5 9.5 8.9 8.3
33 20 8 8.1 11 33

926.26

+40 16.2

32+00 16.4

1.83 920.78 7.31 918.95

+50 17.4

33+00 15.4

34+00 10.5

35+00 10.5

3.54 911.73 12.59 908.19

36+00 5.7

37+00 08.9

+40 09.1

38+00 05.8

+50 06.6

39+00 05.6

+50 04.3

8.55 903.18

10.0/33 9.9/21 9.9/6 10.1 9.6/12 9.7/33

9.5/33 9.2/20 9.4/11 9.1/9 9.9 9.4/8 9.4/20 9.0/33

7.0/33 6.4/27 6.1/9 3.4 2.6/15 1.6/33

10.1/33 8.9/19 5.4 3.8/15 2.4/33

12.5/33 11.5/15 10.3 9.3/19 7.1/33

10.8/33 10.9/20 10.3 10.5/15 10.4/33

5.4/33 5.2/24 6.0 6.4/23 6.3/33

3.5/33 3.2/20 2.8 2.7/12 2.9/33

3.4/33 3.5/14 2.6 3.0/20 2.9/33

5.3/33 5.9/9 5.9 6.8/10 8.7/33

1.4/33 3.9/15 5.1 7.4/12 7.0/27 9.2/33

4.4/33 5.1/16 6.1 8.1/14 9.6/33

11.4/33 11.1/23 9.1/10 7.4 7.5/14 7.9/21 8.0/33

	6.35	709.53	703.18	
40+00				900.3
+50				899.3
41+00				99.9
+50				01.5
42+00				03.5
+50				03.6
43+00				03.6
+50				00.1
44+00				98.1
B.M.	5.69	705.50	9.72	899.81
+50				97.6
45+00				98.2
+50				98.8
46+00				97.0

10.2	7.8			8.9	9.8	9.8	7.8	6.8
33	14	9.2		11	14	14	20	33
11.2	11.3			9.0	7.5			
33	23	10.2		19	33			
11.3	10.5			8.3	6.6	5.4		
33	19	9.6		14	29	33		
9.2	8.6			7.8	6.0	2.2		
33	11	8.0		7	13	33		
6.0	6.1			4.7	3.1			
33	15	6.0		14	33			
4.6	5.2			5.7	4.7	3.6		
33	17	5.7		10	15	33		
7.4	6.5			5.1	5.6			
33	15	5.9		10	33			
9.8	9.7	9.5		9.1	9.7	9.8		
33	28	16	9.4	15	27	33		
11.6	11.5			10.6	10.9			
33	15	11.4		22	33			
7.8	8.2			7.5	7.1			
33	20	7.9		17	33			
7.7	7.7			6.0	5.5			
33	20	7.3		20	33			
7.4	7.3			6.2	5.5			
33	19	6.7		18	33			
8.4	8.7			8.1	7.9			
33	14	8.5		20	33			

	905.50			
47+00				95.2
48+00				95.1
49+00				94.8
50+00				96.3
+50				98.0
51+00				
	12.37 915.87	2.00	903.50	
51+00				01.0
+50				07.5
52+00				10.1
+50				11.8
53+00				11.9
+50				10.3
54+00				08.1

2-23-29

10.0/33 10.4/19 10.3 10.0/21 9.8/33

10.3/33 10.5/30 10.4 10.5/23 10.1/33

10.3/33 10.2/16 10.7 10.1/23 9.8/33

9.5/33 9.4/17 9.2 8.4/21 8.0/33

7.8/33 7.6/15 7.5 6.7/15 6.3/33

16.5/33 15.6/17 14.9 14.0/12 11.5/20 9.6/33

14.2/33 11.0/19 8.4 5.4/12 5.8/33

11.6/33 8.0/15 5.8 5.5/13 5.8/33

10.9/33 10.1/30 5.9/14 4.1 2.7/13 1.6/33

10.2/33 7.4/23 4.7/9 4.0 2.6/19 1.9/33

10.0/33 8.3/24 6.6/12 5.6 4.4/13 3.0/24 2.4/33

11.4/33 9.3/15 7.8 6.4/15 4.8/29 4.2/33

915.87

+50			05.5
55+00			08.1
		5.71	
+40			10.6
+47			08.6
+61	S.L.		12.9
+64 8	EDGE OF PAVE.		12.74
+65 5/8	BOTTOM OF CURB		12.52
+78 3/4			12.69

5.72 · 910.15 ✓

2-23-29

$\frac{12.0}{33}$ $\frac{11.1}{11}$ 10.4 $\frac{9.6}{18}$ $\frac{8.6}{33}$

3.58
2.57
.99

$\frac{9.2}{33}$ $\frac{7.8}{13}$ 7.8 $\frac{8.4}{19}$ $\frac{8.7}{33}$

1.62
.99
.63

$\frac{7.8}{33}$ $\frac{6.0}{13}$ 5.3 $\frac{5.5}{19}$ $\frac{5.9}{33}$

3.58
1.65
1.93

$\frac{9.2}{33}$ $\frac{7.6}{15}$ 7.5 $\frac{6.9}{17}$ $\frac{6.6}{33}$

$\frac{3.5}{33}$ 3.0 $\frac{2.7}{33}$

$\frac{3.47}{33}$ 3.13 $\frac{2.70}{33}$

$\frac{3.71}{33}$ 3.35 $\frac{2.94}{33}$

$\frac{4.55}{200}$ $\frac{4.45}{150}$ $\frac{4.18}{100}$ $\frac{3.75}{50}$ 3.18 $\frac{2.45}{50}$ $\frac{1.62}{100}$ $\frac{0.63}{150}$ $\frac{+0.31}{200}$

CHECK LEVELS.

B.M's

B.M.	3.92	956.00		952.08
B.M	8.21	958.75	5.46	950.54
	1.69	946.94	13.52	945.23
	0.37	933.57	13.72	933.20
B.M	2.64	925.96	10.25	923.32
	3.37	916.20	13.16	912.81
B.M.			4.43	911.77
	10.77	926.27	0.90	915.30
B.M.			3.51	922.76
	3.26	919.94	9.59	916.68
	1.42	911.55	7.81	910.13
B.M.	2.27	902.07	11.75	899.80
	12.16	912.67	1.56	900.51
B.M			2.55	910.12

NAIL IN T.P. 30' LT. STA. 21+85.

200 RT. STA 07+30

SPK IN P.P. 10 RT. STA. 5+30

SPK IN 30" OAK 40 RT. STA. 13+70.

SPK IN T.P. 50' LT. STA. 23+90

SPK IN STUMP 50' RT. STA. 29+45.

SPK IN T.P. RT. STA. 44+15

SPK IN T.P. 40' LT. STA. 53+40

952.08
3.92
956.00
3.46
950.54
2.21
948.75
1.32
947.23
1.69
946.92
13.72
933.20

933.20
0.37
932.83
0.25
932.58
2.64
929.94
3.13
926.81
3.37
923.44
0.90
922.54
10.97
911.57
7.59
903.98
2.68
901.30
2.26
899.04

919.94
9.81
910.13
1.42
908.71
11.75
896.96
2.27
894.69
2.07
892.62
1.56
891.06
1.56
889.50
1.67
887.83
2.55
885.28
1.12
884.16