Book-1, Dr. 12-A

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN Survey

DE SOTO ST.

From St. Paul City Limits To Co. Rd A 2

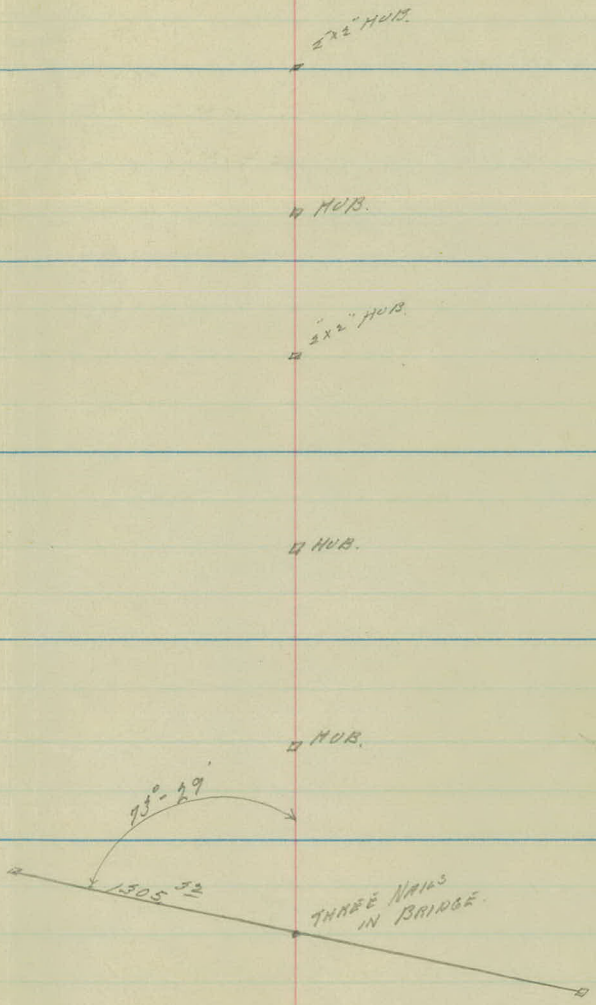
Road Acc't. No. N5

Date Filed 11-8-29 File N.C. Twp.

ALIGNMENT FROM STA 0+00
TO STA 26+64.

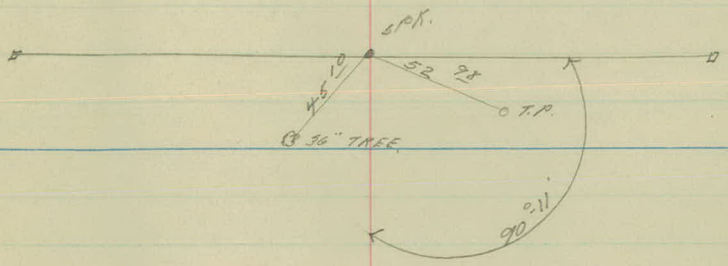
NEW CANADA
TWP RD

STA	POINT	△ LT.	△ RT.	
8+12 35	P.T.		7°-34	
8+00			7°-04 4	
+50			5°-04 4	
7+18 4	P.I.			Δ-15°-08
7+00			3°-04 4	D-8°-R
+50			1°-04 4	T-95 33
6+23 18	P.C.		0°-00	L-189 17
				R-716 78
5+84 9	P.O.T.			
3+72 8	P.O.T.			
0+00				


2"x2" HUB.
HUB.
2"x2" HUB.
HUB.
HUB.
93° 19'
130.52
THREE NAILS IN BRIDGE.

STA	POINT	Δ Lt.	Δ Rt.	
26+64.3	P.O.T.			
17+71.21	P.T.		0°-58.5'	
+50			0°-52'	
17+00			0°-37'	
16+74.3	P.I.			Δ-1°-57'
+50			0°-22'	D-1°-R.
16+00			0°-07'	T.-97.49
15+76.21	P.C.		0°-00'	L.-195.00
				R.
13+47.25	P.O.T.			

6-8-29

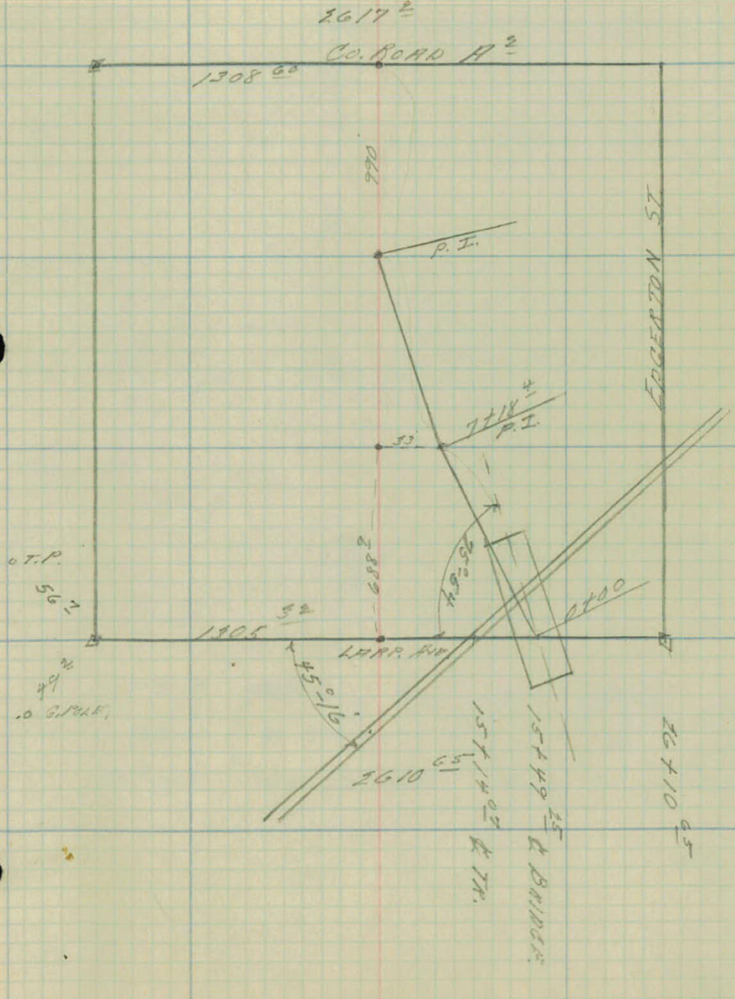


HUB.

HUB.

HUB.

HUB.



2617 ±
CO. ROAD A 2
1308 60
990
P. I.
EDGERTON ST.
7+18 ±
P. I.
33
688 ±
45° 14'
0+00
O T.P.
56 ±
1305 32
LARP. AVE.
49 ±
O G. POLE
45° 16'
2610 65
15+14 07 ℄ TR.
15+49 25 ℄ BRIDGE
16+10 65

ART TOPEKA

2700

+50

1700

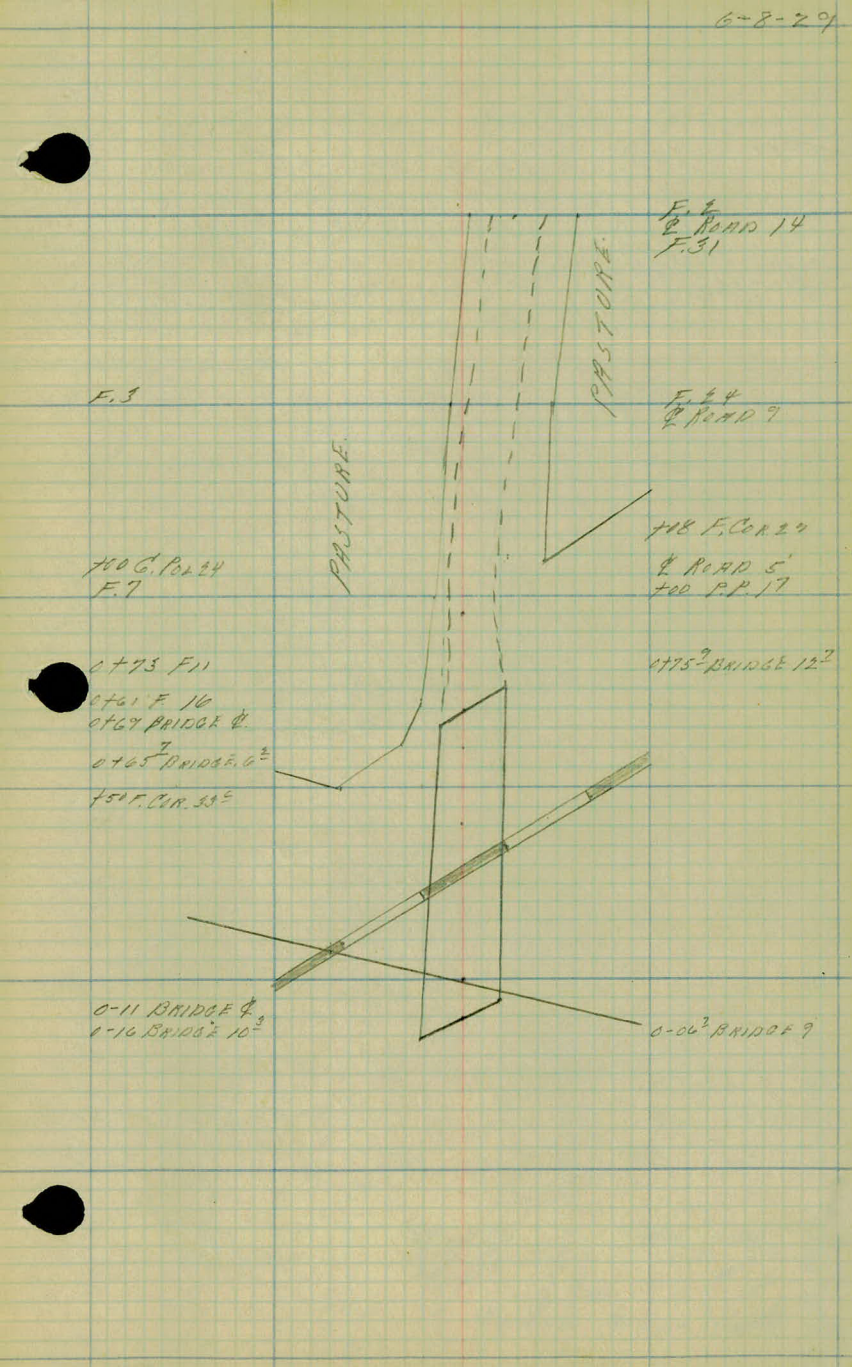
67.0
-1.9

+50

0700

-50

6-8-24


F. 2
℄ Road 14
F. 31
F. 3
F. 24
℄ Road 9
PASTURE.
PASTURE.
748 F. Cor. 24
℄ Road 5'
700 P.P. 17
700 C. Pole 24
F. 7
0+73 F. 11
0+61 F. 16
0+67 Bridge ℄
0+65 7/8 Bridge 6 1/2
750 F. Cor. 23 1/2
0+75 3/4 Bridge 12 7/8
0-11 Bridge ℄ 3/4
0-16 Bridge 2 10 3/4
0-06 3/4 Bridge 9

8

7

6

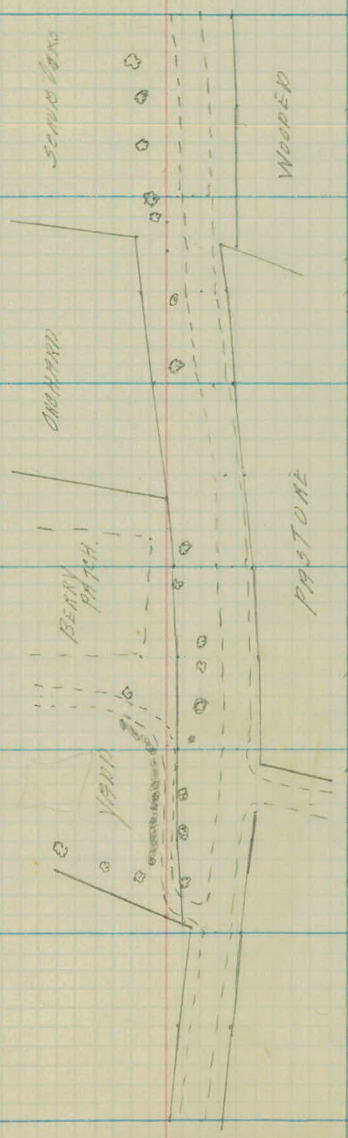
5

4

3

2

6-11-29



℄ ROAD 8
F. 39

+50 F. 40

+91 P.P. 20

℄ ROAD 14

+80 F. COR 18

+77 F. 40
+99 F. COR 31

+50 F. 14

+50 ℄ ROAD 21
F. 34

+34 PLUM T. 24

F. ℄

+100 ℄ ROAD 28
F. 37

+90 APPLE T. 37
+76 APPLE T. 36
+51 APPLE T. 40
+61 APPLE T. 26
+58 X F. ℄

+97 P.P. 39

+50 F. 43
+50 ℄ ROAD 33

F. 35 & F. 48
℄ ROAD 38

+70 P.P. 49

+50 ℄ ROAD 39
+50 F. ℄ & F. 50

+117 END HEDGE 25

HEDGE 5

+100 ℄ ROAD 40
+91 F. COR 51

+80 PAL. ENT

+50 F. ℄

+80 HEDGE 2

+50 F. 48
+50 ℄ ROAD 35
+47 P.P. 46
+25 F. 5

+37 LONE HEDGE 9

+19 ℄ PAL ENT

+109 F. ℄

+102 F. COR 14
℄ ROAD 48
F. 42

+50 F. 7 8 36
+51 ℄ ROAD 19

+42 P.P. 32

14

13

12

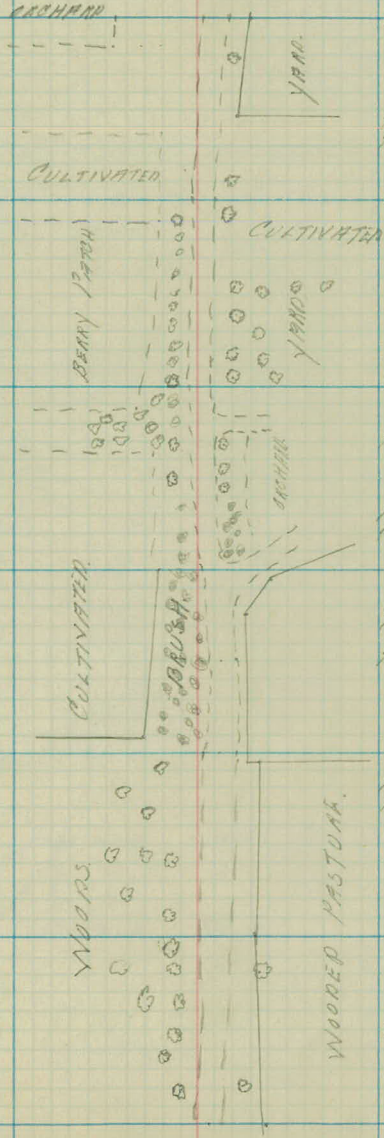
11

10

9

8

6-11-27



℄ ROAD 9
F. 27

+47 F. 21⅝
+47 P.P. 19

℄ ROAD 6

+44 P.P. 13

℄ ROAD

+79 PRI. ENT

+72 P.P. 15
+00 PRI ENT

F. 22

℄ ROAD 7

+74 F. 41
+74 F. 28

+50 ℄ ROAD 12

+06 F. COR 29

℄ ROAD 12

+94 F. 28 & 35
+87 P.P. 28

℄ ROAD 9
F 31

+05 P.P. 30

20

19

18

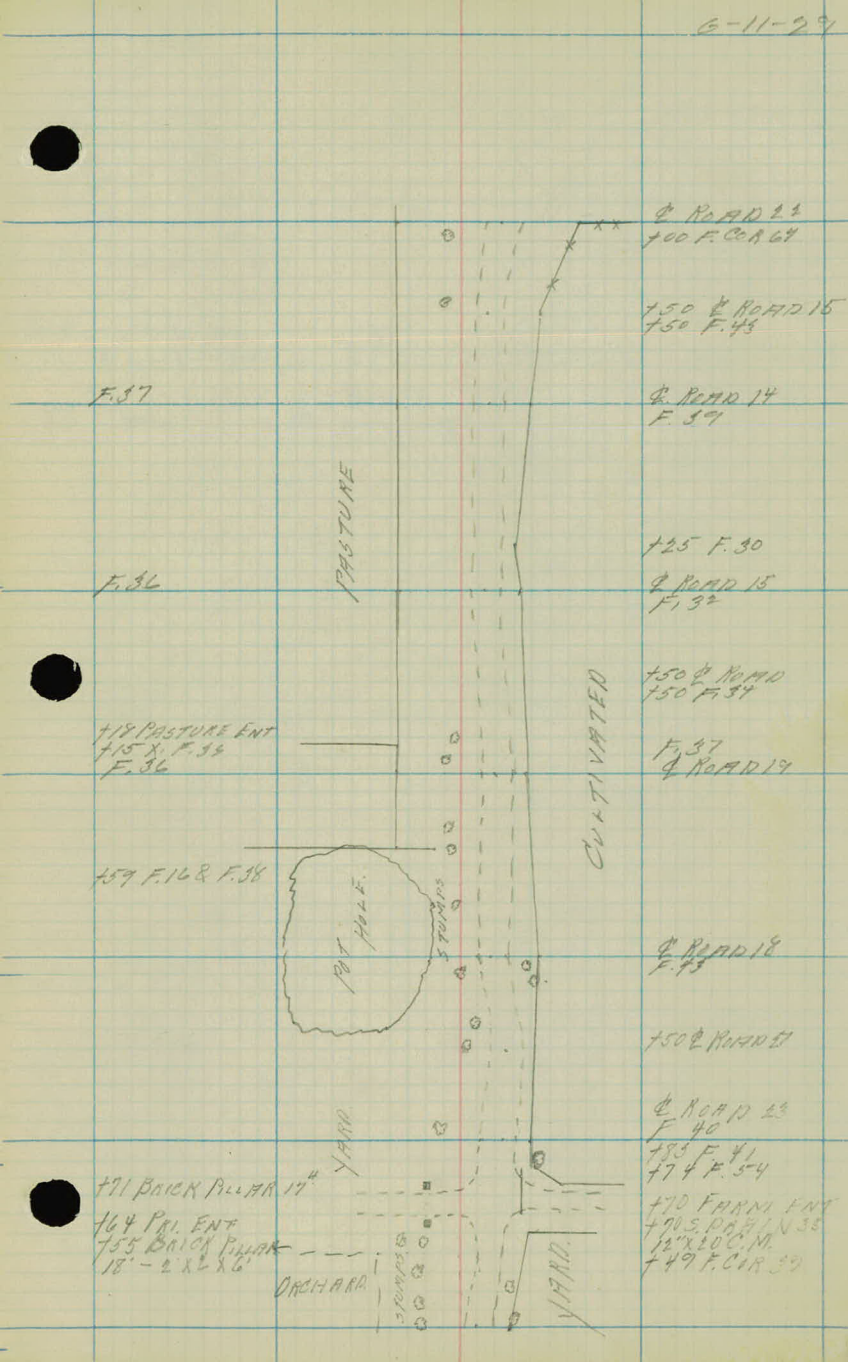
17

16

15

14

6-11-27


℄ ROAD 22
+00 F. COR 67
+50 ℄ ROAD 15
+50 F. 43
F. 37
℄ ROAD 17
F. 37
PASTURE
+25 F. 30
F. 36
℄ ROAD 15
F. 32
+50 ℄ ROAD
+50 F. 37
+18 PASTURE ENT
+15 X. F. 32
F. 36
F. 37
℄ ROAD 17
CULTIVATED
+59 F. 16 & F. 38
POT HOLE
5 TREES
℄ ROAD 18
F. 43
+50 ℄ ROAD 21
℄ ROAD 23
F. 40
+89 F. 41
+74 F. 54
+91 BRICK PILLAR 17"
+64 PRI. ENT
+55 BRICK PILLAR
18" - 2 X 2 X 6'
YARD
+70 FARM ENT
+70 S. POR. N 35
12" X 10 C.M.
+49 F. COR 39
YARD
ORCHARD
SHRUBS

26

25

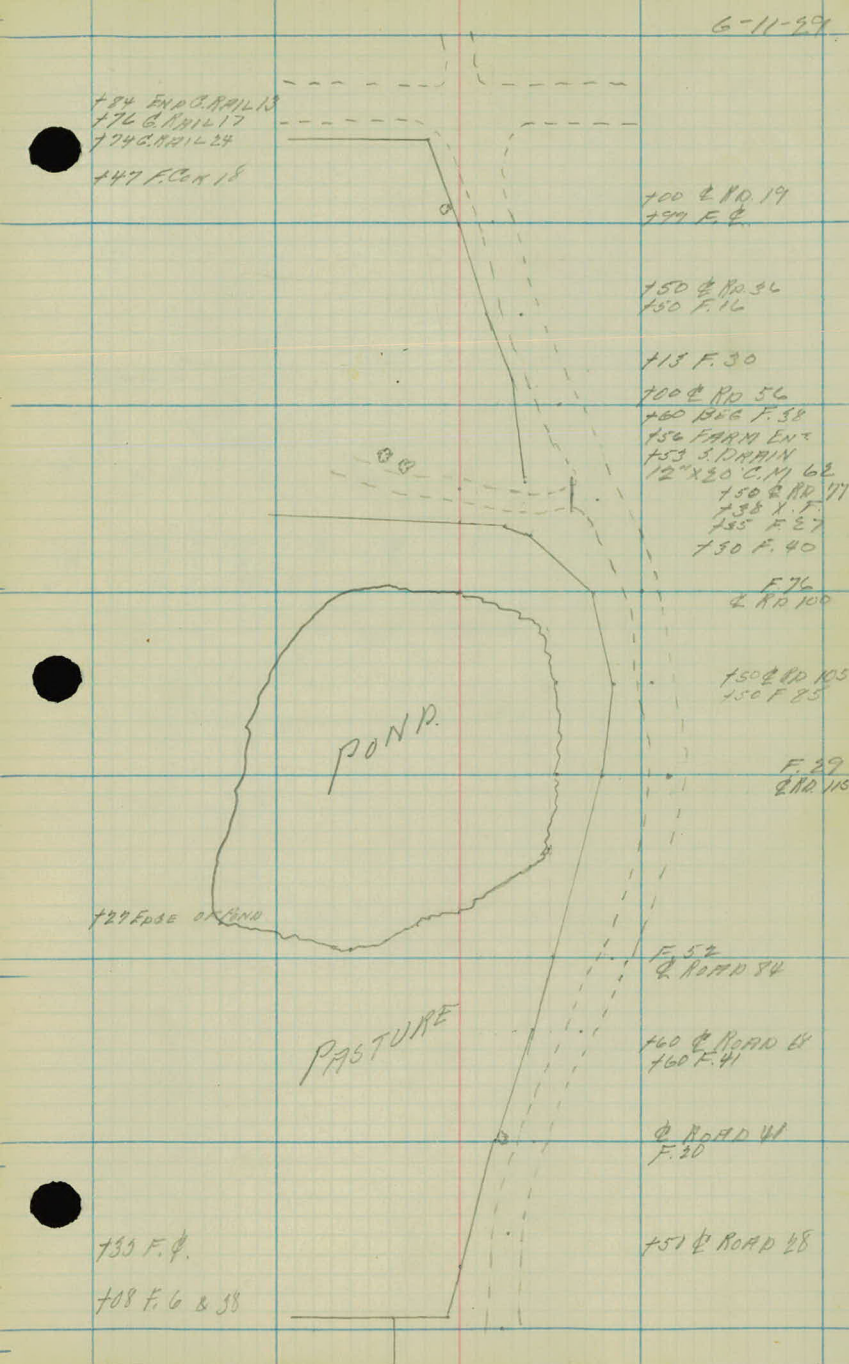
24

23

22

21

20


6-11-99
+84 END C. RAIL 13
+76 C. RAIL 17
+74 C. RAIL 24
+47 F.C. & R 18
+00 ℄ RD 19
+99 F.℄
+50 ℄ RD 36
+50 F.℄
+13 F. 30
+00 ℄ RD 56
+60 BEG F. 38
+56 FARM ENT
+53 S. DRAIN
12"x30" C.M. CL
+50 ℄ RD 77
+35 X.F.
+35 F.E.
+30 F. 40
F. 76
℄ RD 100
+50 ℄ RD 105
+50 F. 85
POND.
F. 29
℄ RD 115
+29 EDGE OF POND
F. 52
℄ ROAD 84
PASTURE
+60 ℄ ROAD 64
+60 F. 41
℄ ROAD 41
F. 30
+33 F.℄.
+08 F. 6 & 38
+51 ℄ ROAD 28

13+00

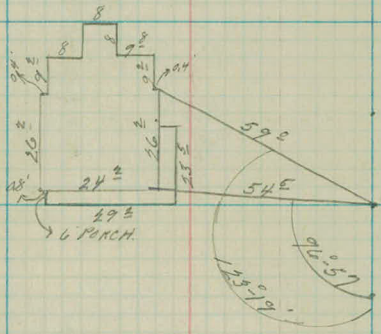
12+92 HOUSE 56± R.

2-STORY BRICK HOUSE.

12+00

12+07 HOUSE 54± R.

1 1/2 STORY FRAME HOUSE.



4+00

3+72±

3+50

CHECK LEVELS

B.M.	3.18	914.38		911.20
	4.55	913.19	5.74	908.64
B.M.			4.48	908.71
	4.39	916.76	0.82	912.37
	4.61	910.79	10.58	906.18
	4.30	904.40	10.69	900.10
B.M.			1.57	902.83
	8.44	899.36	13.48	890.92
	9.11	906.15	2.32	897.04
B.M.			3.02	903.13
	4.62	910.11	0.66	905.49
	2.85	903.41	9.56	900.56
	0.29	899.16	4.54	898.87
			12.30	886.86

2-12-29

NAIL IN T.P. # 191 IN FRONT OF Mc MENEMY GRAVEL PIT.

SPK IN B.P. S.W.COR. OF INT. Co. Road A & Mc MENAMY St.

SPK IN 24" OAK 50 RT. STA 26+05

SPK IN 24" OAK 40 RT. STA. 14+85

SPK. IN CAP ON BRIDGE AT STA. 0+65

X SECTIONS.

B.M.	12.30	899.16		886.86	
0-11	END OF BRIDGE			10.93	88.23
0+00				7.66	89.90
0+19				7.25	91.91
0+39				7.15	92.01
0+69					88.78
0+85					88.4
1+00					88.6
1+50					88.7
2+00					91.2
2+50					96.8
	12.58	911.44	0.30	898.86	
3+00					900.4
3+50					05.7
4+00					09.7
4+50					08.7
	12.44	912.44	11.44	900.00	
5+00					09.7

6-18-29

15.4 15.4 15.9 15.9 13.6 11.4 10.6 → EDGE OF BANDS 9.80 12.6
40 35 21 21 13 7 4 10.38 12 12
31

19.2 15.6 13.2 11.0 10.7 10.8 12.5 14.3 13.1
40 20 10 4 10.8 9 20 24 28 40

20.0 14.7 13.4 14.9 10.8 10.6 10.8 11.6 12.2 13.1
40 26 18 14 2 10.6 9 18 26 37 40

19.5 14.0 11.9 11.3 10.8 10.0 9.8 10.0 8.4 8.3 7.0
40 25 15 11 5 10.5 2 13 19 27 37 40

17.4 14.4 10.6 8.0 8.0 8.3 8.1 7.4 4.0 4.7 4.7
40 29 14 6 8.0 8 15 17 23 32 36 40

8.6 7.7 5.3 4.2 3.7 4.1 5.0 4.8 1.0 0.0
40 32 14 2.4 4 9 11 18 27 35 40

4.6
1.7
2.7

9.6 10.0 10.5 11.2 10.5 11.5 13.4 14.0 13.4 12.7
40 31 14 11.0 4 10 14 22 33 35 40

0.6 2.3 4.1 4.6 5.6 6.6 7.3 12.4 12.9
40 23 9 6 4 5.7 7 14 24 40

+2.7 +1.0 0.0 0.6 1.2 2.2 2.9 3.6 11.5 12.0
40 21 10 3 4 1.7 6 9 17 31 40

+4.1 +0.3 0.2 0.3 4.9 11.1 11.7 11.5
40 18 13 9 2.7 17 28 38 40

+5.3 +3.8 +2.0 0.3 1.5 3.9 5.2 6.3 9.0 14.4 14.0
50 25 20 10 6 2.7 8 11 14 17 26 40

		913.44		
5+50				09.4
6+00				08.0
6+50				05.0
	2.34	908.07	11.71	900.73
7+00				99.6
7+50				98.1
	6.48	904.91	4.64	898.43
8+00				98.3
8+50				99.4
9+00				00.4
9+50				02.7
10+00				02.6
	6.19	907.75	5.35	901.56
10+50				00.9
11+00				01.0
11+50				01.8

6-12-29

+4.5	+3.0	0.5	2.5		5.0	12.8	14.7	14.3	14.4		
40	21	13	6	3.0	6	19	23	32	40		
									15.7		
									40		
+6.0	+3.0	0.9	2.4	5.5	5.5	13.3	14.9	14.4	14.3	14.7	
30	28	14	8	3	4.4	2	14	15	25	30	32
+4.5	0.0	1.9	2.3	3.5	4.7	14.4	13.8	13.4	13.8	18.8	
40	25	18	14	10	5	7.4	10	18	24	32	40
		+10.3	+7.6	+4.7		5.7	5.1	4.6	4.9	5.3	7.6	14.0
		40	27	17	3.5	4	6	12	17	25	28	40
+5.0	+2.7	0.3	2.3	4.8	6.0	4.9	5.6	8.5	10.4	12.4	14.0	
40	24	17	12	7	5	5.0	8	16	21	24	30	40
		+6.4	+3.4	0.3	6.4		7.1	11.7	15.9			
		40	24	12	4	6.6	18	32	40			
		+8.2	+4.3	+1.6	4.9		6.3	10.6	12.0			
		40	23	12	3	5.5	22	34	40			
		+4.7	+1.7	+0.5	0.2	4.4		4.8	7.5	9.8		
		40	18	12	9	3	4.5	20	26	40		
+4.1	+2.2	+2.6	+2.2	+0.6	2.0		3.0	3.4	2.5	3.2	6.1	
40	33	28	21	6	2	2.2	1	19	20	27	40	
				+0.9	1.3		3.3	3.5	2.5	1.9	1.0	0.9
				40	13	2.3	2	19	20	27	37	40
			11.3	11.5	11.4	11.1	2.5		6.7	6.7	6.5	5.6	4.3	4.8
			40	29	19	10	2	6.9	5	20	23	28	35	40
			10.7	10.8	10.9	8.4	7.3		6.9	8.5	8.9			
			40	26	18	12	3	6.8	15	21	50			
			3.0	2.7	1.7	3.0	6.0		6.0	7.6	8.0	8.4		
			47	27	21	13	7	6.0	12	18	30	40		

		907.75			
12+00					04.1
	6.67	913.68	0.74	907.01	
12+50					07.0
13+00					09.0
13+46					09.2
13+58					09.1
14+00					05.6
14+50					01.2
B.M.	2.92	906.05	11.54	903.09	903.13
15+00					98.8
15+50					97.4
16+00					97.8
16+50					96.9
17+00					97.4
17+50					98.0

+6.0 +6.4 +2.1 3.2 3.9 2.9 2.5
40 29 16 8 3.7 7 12 40

0.0 0.9 0.0 5.9 6.5 1.8 1.5
40 23 18 7 6.7 9 15 40

0.5 0.3 +0.2 4.1 4.5 2.4 0.8 +0.3 0.3
40 19 12 5 4.7 8 10 15 20 40

5.1 4.8 3.3 2.8 2.1 4.1 4.2 0.7 +0.9 +1.0
40 29 25 16 9 5 4.5 10 15 27 40

2.8 5.0 3.4 4.4 4.5 3.4 5.2
40 26 8 6 4.6 12 23 40

10.1 9.0 7.8 8.3 7.9 7.8 4.1 3.4
40 20 5 3 8.1 3 20 27 40

14.4 14.3 13.5 11.4 11.7 6.2 4.8
40 26 15 12.5 10 30 37 40

8.9 8.8 8.4 6.8 5.0 3.1 5.7 4.9
40 21 11 7.9 6 13 33 35 40

11.8 11.0 11.3 8.0 5.5 4.9 5.3 6.2 7.5
40 28 16 8.7 5 12 23 32 35 40

TOP OF WATER

14.1 12.1 10.9 10.0 7.4 5.2 4.6 4.8 5.9 3.5 1.4
40 21 8 4 8.3 3 11 21 29 33 37 40

14.1 12.1 11.3 10.2 9.8 9.0 6.5 6.0 6.4 7.1 5.0 1.8
40 18 15 7 2 9.2 3 9 17 24 30 37 40

9.5 9.7 9.0 8.4 7.8 7.4 7.4 7.7 5.7
40 26 11 8.7 7 10 18 27 31 40

8.4 8.0 9.6 9.8 2.4 7.9 7.6 7.5 8.3 7.7 7.7
40 30 17 8 6 8.1 11 17 23 28 34 40

		906.05 ✓		
18+00				99.8
18+50				98.1
19+00				97.9
19+50				98.0
20+00				97.6
	6.84	901.52 ✓	11.37	894.68 ✓
20+00				
20+50				94.3
21+00				96.1
21+30				94.0
	1.40	892.94 ✓	9.98	891.54 ✓
21+60				88.2
	2.07	883.15 ✓	11.81	881.13 ✓
22+00				80.5
22+21				71.8
22+28	EDGE OF POND			70.2
	5.05	876.63 ✓	11.57	871.58 ✓

6.7 5.8 5.1 4.7 6.6 7.7 7.3 7.4 8.1 8.4 8.5
40 30 19 8 6.3 3 7 15 23 28 37 50

9.2 7.2 5.8 6.4 8.2 7.8 8.2 7.8 3.4 3.4
40 21 7 3 8.0 6 14 23 29 34 40

9.7 9.2 7.5 6.2 6.7 9.3 8.8 7.1 9.0 4.1 3.1
40 35 22 7 1 8.2 3 13 21 24 35 40

6.6 6.8 6.2 5.3 6.8 10.7 10.5 10.8 11.1 4.4 4.4
40 26 12 9 2 8.1 5 16 24 27 40 41

4.9 5.6 6.2 7.3
40 18 7 1 8.5

(4.9) 8.5 8.0 8.0 9.1 10.2 10.8
9 21 32 40 37 40

5.1 4.8 5.7 7.9 7.9 9.8
40 34 17 7.2 6 9 26

7.7 6.1 5.0 6.5 7.7 9.2 11.8 12.5
40 31 18 5.7 8 18 22 26 40

9.4 8.9 7.5 8.2 10.7 15.1 15.1
40 31 13 7.5 14 31 37 40

Top of Rock 15 Lt 3.7 21 7.30

7.2 6.7 5.7 4.3 5.4
40 30 13 4.7 14 40

6.6 5.5 3.8 1.8 1.6
40 27 13 2.7 16 40

10.4 7.2 5.3 4.7
11.4 9 19 31 40

Top of Water

12.3 8.4 6.7
13.0 14 30 40

		876.63			
22+21					
22+28					
22+50					(70.1 68.5)
23+00					(70.1 67.5)
23+50					(70.1 67.9)
23+75					(70.1 68.6)
24+00	EDGE OF POND				70.1
	11.14	887.15	2.82	875.81	
24+30					79.2
	9.31	894.54	1.92	885.23	
24+50					86.3
25+00					89.5
25+50					92.5
	12.26	905.02	1.78	892.76	
25+50					
26+00					98.7
B.M.	2.22	905.05	2.22	902.80	902.83

6.4 6.2 5.4
40 21 10 (4.8)

7.5 7.5 6.6
40 29 10 6.5 - Tom of WINTER

2.1 6.5 8.1
40 8.1 40

6.5
9.0

6.5
8.7

6.5
8.0

5.9 6.9 6.9 6.5 6.5 6.1 5.3
40 27 15 14 30 40

6.2 7.3 7.9 6.8 4.4 2.8
40 28 14 8.0 11 31 40

8.7 8.7 9.0 8.4 7.8 7.2
40 33 24 13 8.2 19 40

8.4 6.9 6.1 5.0 5.2 2.4 1.2 2.0
40 27 14 15 25 35 40

4.3 4.0 2.9
40 25 11 2.0

(12.5) 11.6 9.9 9.7 10.2 9.6 9.9
9 17 21 25 31 40

8.4 7.8 7.2 6.3 5.0 4.7 5.3 6.8 5.8 5.8
40 27 14 6.5 6 11 20 28 31 37 40

		905.05			
26+30					02.9
	6.74	910.80	0.97	904.06	
26+53					05.6
26+64.3					05.7
	10.32	916.05	5.07	905.73	
	2.50	912.81	5.74	910.31	
B.N.			4.08	908.73	
	6.47	915.14	4.14	908.67	
B.N.			3.93	911.21	911.20

6-13-29

26 + 643

$\frac{34}{40}$ $\frac{37}{26}$ $\frac{33}{74}$ $\frac{34}{10}$ $\frac{39}{5}$ 2.2 $\frac{1.7}{10}$ $\frac{2.5}{19}$ $\frac{40}{25}$ $\frac{3.4}{28}$ $\frac{3.4}{40}$

$\frac{5.4}{40}$ $\frac{5.4}{15}$ 5.2 $\frac{5.2}{19}$ $\frac{5.2}{40}$

$\frac{51}{100}$ $\frac{5.1}{70}$ 5.1 $\frac{49}{40}$ $\frac{4C}{100}$