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From  
Survey  
Ramsey Co  
Field Book  
30

Includes  
Ditch 11

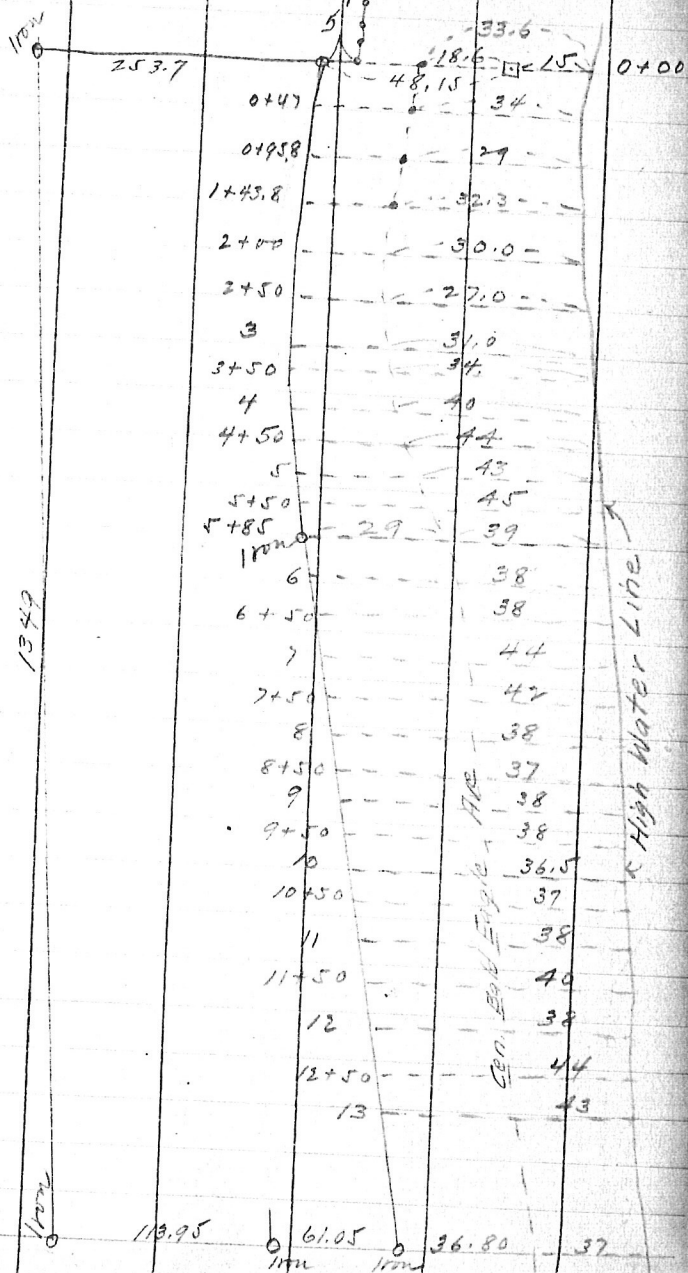
Photo copied  
2007

undated  
ditch 11  
pages, but  
between  
2/11/11 and  
4/17/11

Location of Water Line, Bald Eagle Lake along Conroy's New Addition -

(Victoria Addition)

7/11/11  
41  
Stal  
W.W.



High Water Line

CEN. BALD EAGLE LAKE

1349

110m

13+52.2

Sta.	BS	H.I.	IS	Rod	Elev
12.11	1.5	234.83			233.33
	3.75	227.12	1.46		223.37
B.M.			5.36		221.76
Water surface B.C. Lake					213.3
					215.96
					215.84
0	7.01	228.77			221.76
1				12.7	216.1
2				11.5	217.3
3				11.0	217.8
4				10.0	218.8
T.R.	7.9	228.44	8.73		220.54
5				9.4	218.0
6				8.2	219.6
7				8.5	219.9
8				8.5	219.9
T.R.	5.2	229.16	4.48		223.96
9				8	221.4

ft. 4	10 Rod	Outlet.	45
		on 24" B.C. on L. C. Buffalo Pt.	
		Elev. on S. Abolment W.M. Cor.	
		Elev. on den	
		" " ground W. End Culvert	
		" " " S. "	
		on Culvert	
	11.2	217.6	
	9.7	219.1	
	9.6	219.2	
		Point above water mark 20 inches	
		Bottom of W. End 10.4	218.4
	9.5	219.5	5" "
		5' "	223.3
	8.1	220.3	
	7.5	220.9	
	7.2	221.2	
	6.5	222.1	
	6.0	223.2	

222  
 694.2  


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 923.3  
 923.8  
 924.9  
  
 922.6  
 230.7  
 694.2  


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 924.9  
  
 228.4  
 694.2  


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 922.6



Sta	P.S.	H. 1	F.S.	Prod	Elev.
10				8.0	220.8
11				8.1	221.1
12				7.7	221.5
13				7.3	221.9
14				6.9	222.3
T.P.	4.7	437.03	1.53		227.33
15				10.0	227.0
16				9.8	227.2
17				8.5	223.5
16+ {	Can Road	Bottom Outlet 71.00		3.53	228.5
				10.1	221.9
18				8.0	223.5
19				8.8	223.4
20				8.7	223.3
21				7.8	224.2

Top of Outlet WHITE BEAR OUTLET  
Prod.

47

6.2	223.0
6.3	222.9
5.9	223.2
5.6	223.6
4.8	224.4
7.5	224.5
7.8	224.2
6.2	226.8
7.3	224.7
7.1	224.9
7.0	225.0
6.7	225.3



Sta	P.S.	232.03	F.S.	Rod	Elv
22		11.9		8.2	223.8
T.P.	6.9	235.33	3.6		228.43
23	on Robinson Bridge		on siding	(3.14)	232.2
	Under tracks		in ditch	14.2	221.1
24				11.1	224.2
Cin Bridge	"Doo" Main line			(2.40)	234.8
	Under		in ditch	12.5	222.5
25				10.6	224.7
26				10.4	224.9
27				12.0	223.3
T.P.	7.4	237.18	5.67		224.66
Cin	N. P. Main line			(10.2)	236.2
T.P.	2.27	230.91	8.52		228.64
	Bottom field under		tree	7.9	223.9
28					225.4
29				6.3	224.6
30				6.2	224.7
31				5.8	225.1
32				5.2	225.7

Top Ditch Rod	WHITE BEAR OUTLET	49
61	225.9	
x 48' - 48" Pipe		
47	225.6	
48	225.5	
56	226.7	
71	228.2	
x 50' - 48" Pipe		
42	226.7	
45	226.4	
48	226.1	
50	225.9	
40	226.9	

Sta	131	230.91 H.I.	J.J.	131 Red	Elev.
33				5.2	225.7
34				5.8	225.1
35				6.0	224.9
36				6.3	224.6
37				6.5	224.4
38	Iron ore detrit.			6.6	224.3
T.P.	5.57	231.08	5.4		225.51
39	Blk. on ground.			6.1	225.0
40				5.9	225.2
41				5.5	225.6
42				5.5	225.6
43				5.2	225.9
44				5.3	225.8
45				4.7	226.4

51

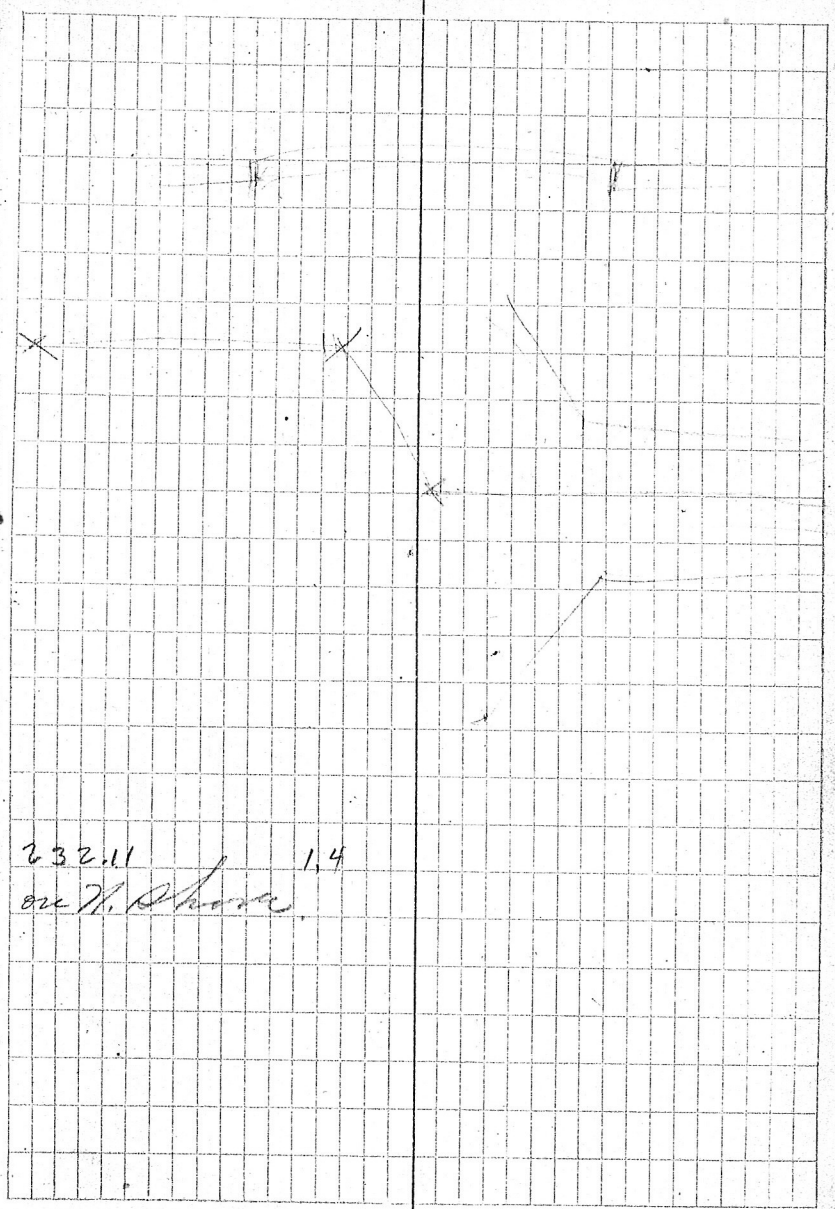
WHITE BEAR OUTLET

Top Red.	
4.5	226.6
4.9	226.0
5.2	225.7
5.0	225.9
5.5	225.4
5.8	225.1



Sta	P.S.	H. I.	J.S.	Red	Elev.
46				4.5	226.6
47				4.3	226.8
48				3.5	227.6
TP	8.52	236.72	2.9		228.18
49				9.7	227.0
50				10.2	226.5
51				9.3	227.4
Can tracks				4.98	231.7
under culvert				9.8	226.9
53				5.8	227.9
54				7.6	229.1
N. End Spillway				7.11	229.6
S " "				8.95	230.7
See N.B. Lake				8.3	228.4

WHITE BEAR OUTLET





Sta	BS	HI	FS	Rod	Elw	L Ditch No. 9			R
BM	3.82	209.18			205.86	I.P. at 26 + 02.48			
26				✓ 9.1	200.1	$\frac{C4.7}{6.2}$	C3.9	$\frac{C4.6}{6.1}$	
27				✓ 9.2	200.0	$\frac{C5.1}{6.6}$	C5.0	$\frac{C5.2}{6.7}$	
28				✓ 10.6	198.6	$\frac{C5.0}{6.5}$	C4.5	$\frac{C4.3}{5.8}$	
29				✓ 14.2	195.0	$\frac{C1.7}{3.2}$	C1.6	$\frac{C1.5}{2.0}$	
T.P. 30	3.15	200.29	12.04		197.14				
				✓ 8.9	191.4	$\frac{C1.2}{2.7}$	C1.3	$\frac{C1.0}{2.5}$	
30+00				✓ 10.3	190.0	$\frac{C0.4}{1.9}$	C0.4	$\frac{C0.2}{1.7}$	
T.M.	7.23	213.09			205.86				
25				✓ 12.8	200.3	$\frac{C4.7}{6.2}$	C4.7	$\frac{C4.7}{6.2}$	
24				✓ 12.6	200.5	$\frac{C4.7}{6.2}$	C4.8	$\frac{C4.6}{6.1}$	
23				✓ 12.9	200.7	$\frac{C4.7}{6.2}$	C4.6	$\frac{C4.6}{6.1}$	
22				✓ 12.2	200.9	$\frac{C5.5}{7.0}$	C5.4	$\frac{C5.6}{7.1}$	
21				✓ 12.1	201.0	$\frac{C5.7}{7.2}$	C6.7	$\frac{C7.2}{8.7}$	

11/11/55  
 CHAL  
 H.P.  
 J.H.  
 S.H.P.

B.M. - Top of St Ry Track Birchwood  
on Collins Road - 265.80

± gorse L Rd at boundary 14 = 57.80

B.M. on T.P. So of Ry Track at W. B  
Fox Ho - 233.95 E side Road

B.M. 237.00 Tie Rail for Ry  
Main line on ± St P & Duluth Hwy.

get elev of new concrete pipe on  
"Goo" siding at Bald Eagle.

get elev of Iron Pipe under T.P. at  
Bald Eagle.



B.M.	6.15	271.95		265.80
T.P.	1.35	260.67	12.63	259.32
0			12.0	248.7
T.P.	1.60	249.62	12.65	248.02
1			12.5	237.1
T.P.	1.87	239.26	12.23	237.39
+30			5.4	233.9
+80			5.1	234.2
2			5.1	234.2
+09	(Normans Fence)			
3			6.3	233.0
+45			6.0	233.3
4			8.1	231.2
5			7.9	231.4
+76	(Normans Fence)			
6			5.85	233.41

B.M.	4.24	238.19		233.95
			6.08	237.11
			8.00	230.19
T.P.	4.04	233.91	8.32	229.87
			6.98	226.93
			5.17	228.74

Top of Lo Raul St Ry at Wash Co line

☒ Goose Cr. Rd.

☒ St Car Brg. 14.6' Clearance

☒ W B & R.P. Exten

Top of Stillman W.B. Ditch

Top of Ice W.B. Lake

Top of water in marsh 300' N Stillman Br. N.P.Ry  
 Top of ground " " " "

22 of 13  
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