

Bk. 13 Dr. 13

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Profile Levels Survey

Silver Lk. Rd Ext.

From Rice Creek Rd to Co. Rd "H"

Road Acc't. No.

Date Filed 6-11-41

File

9
Profile Levels - Soundings

SILVER LAKE ROAD EXTENSION

Note: All soundings are to a point resisting 10 blows of 20# Hammer to the inch using $\frac{1}{2}$ " Rod

Note: Apparent High Water mark appearing on Bridge over Rice Creek on Long Lake Road is 1.3 ft above present water level.

12 Pages

3-22-41

Party:

R. Pease
A. Moeschler
L. Goldberg
G. Fewer

worked up 5/1/41

Sta.	f	π	-	Elev.
B.M.	2.04	914.11,		912.07
0+00			5.5	08.6
+11			6.1	08.0
+16			6.6	07.5
+19			6.9	07.2
+28			3.7	10.4
+50			5.5	08.6
1			8.6	05.5
T.P.	4.08	912.98	5.21	908.90
+40			9.9	03.1
2			10.5	02.5
+50			9.0	04.0
3			4.9	08.1
+50			3.2	09.8

Spike P.P. N.W. Cor. Silver Lake + Rice Creek Rd.
E Rice Creek Road.

Sta.	+	π	-	Elev.
		912.98.		
4			2.6	10.4
+50			3.5	09.5
5			6.7	06.3
+50			9.6	03.4
6			11.9	01.1
T.P.	0.18	901.34.	11.82	901.16.
+50			2.8	98.5
7			3.3	980
+50			3.6	97.4
8			6.6	94.7
+50			9.9	91.4
9			10.4	90.9
+50			10.7	90.6

Sta	+	$\bar{X}$	-	Elev
		901.34		
10			8.0	93.3
T.P.	1.71	896.74	6.31	895.03
+50			3.0	93.7
11			2.9	93.8
+50			5.1	91.6
12			3.7	93.0
+50			4.8	91.9
13			6.4	90.3
B.M.	9.09	900.24	5.58	891.16
+50			8.4	91.8
14			6.0	94.2
+50			3.9	96.3
15			2.7	97.5
+50			1.8	98.4

(891.15)

Top Mon. 13 + 1568

Sta	+	π	-	Elev
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900.24

16			0.5	99.7
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T.P.	496	904.13	1.07	899.17
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+50			4.2	99.9
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17			5.8	898.3
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T.P.	0.09	890.58	13.64	890.49
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T.P.	0.11	879.09	11.60	878.98
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T.P.	2.05	869.22	11.92	867.17
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17+70			6.2	862.0
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Don't know this but
the pressure is
35 ft

18			7.3	61.9
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+50			6.0	63.2
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19			5.7	63.5
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+50			5.5	63.7
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20			5.7	63.5
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B.M.	4.14	868.76	4.56	864.66
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+50			7.3	61.5
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21			9.0	59.8
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864.62

Top

Bottom

Spikes 30' Cottonwood 35' Lt. Sta. 22

Sta	+	π	-	Elev.
		868.76.		
21 + 35			10.5	58.3
			8.94	859.82.
+ 73			10.4	58.4
+ 82			7.0	61.8
22			7.3	61.5
+ 50			8.6	61.2
+ 75			11.1	57.7
23 + 04			11.2	57.6
+ 07			7.2	61.8
+ 50			7.4	61.4
T.P.	7.38	871.13 [✓]	5.01	863.75.
+ 93			12.7	58.4
24 + 19			12.7	58.4
+ 23			9.5	61.6

Remarks

3. Edge Creek

Water Elevation 3-18-41

14. Edge Creek

Top Bank

Edge Creek

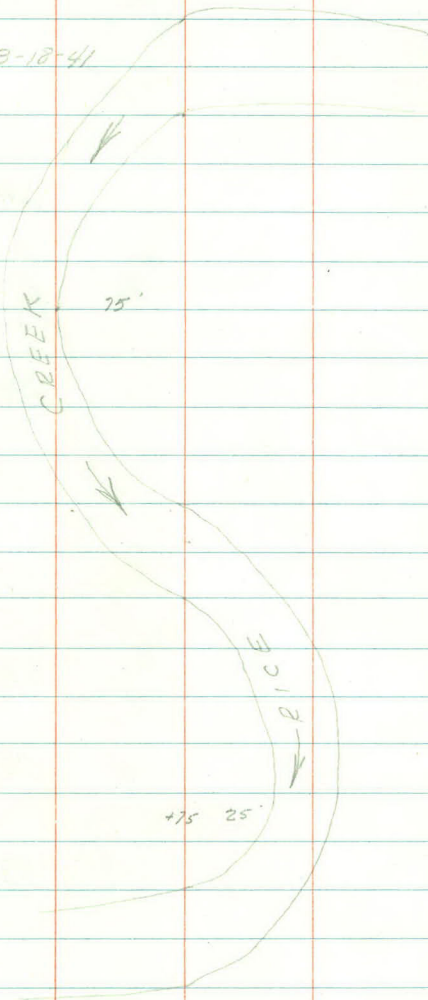
Edge Creek

Fence Post

Edge Creek

Edge Creek

Bank



Sta.	+	π	-	Elev.
		871.13		
24	+50		9.9	61.2
25			9.9	61.2
	+25		6.2	64.9
	+50		5.0	66.1
26			3.3	67.8
T.P.	11.94	882.97	0.10	871.03
	+50		13.3	69.7
27			10.6	72.4
	+50		8.0	75.0
28			2.9	80.1
T.P.	11.47	893.78	0.66	882.31
	+50		10.8	83.0
	+64		4.2	89.5
	+69		3.10	91.68

Remarks

$$\frac{2'}{24'}$$

$$\frac{4'}{24'}$$

$$\frac{4'}{18'}$$

$$\frac{4'}{17'}$$

$$\frac{3'}{16'}$$

$$\frac{3.5}{24}$$

$$\frac{8'}{180}$$

$$\frac{2.0}{28'}$$

$$\frac{8'}{25.5}$$

Apparent Resistance - Blue Clay - Sand

$$\frac{26.5}{13'}$$

$$\frac{13'}$$

$$\frac{13.5}{13'}$$

Top R.R. Emb.

Shldr. R.R. Emb.

Top Rail

Sta.	f	π	-	π
		893.78		
28 +74.5			3.08	91.70
+83			3.7	91.1
+94			8.7	85.1
29			9.2	84.6
+17			5.8	88.0
+50			5.2	88.6
30			4.3	89.5
+50			3.3	90.5
31			1.3	92.5
T.P	7.69	900.69	2.78	893.00
+50			6.3	94.4
32			5.5	95.2
+50			4.8	95.9

Remarks

Top Rail

shldr. R.R. Emb

Toe R.R. Emb

Sta.	t	π	-	Elev.
		900.69.		
33			4.9	95.8
+50			5.1	95.6
34			5.5	95.2
+50			5.8	94.9
35			7.2	93.5
+50			7.6	93.1
36			7.7	93.0
+50			6.8	93.9
37			6.5	94.2
T.P.	6.80	901.28.	6.21	894.48 .
+50			7.0	943
38			5.8	95.5
+50			4.4	96.9

Remarks

Sta	+	π	-	Elev.
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		901.28.		
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39			4.2	97.1
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+64			47	96.6
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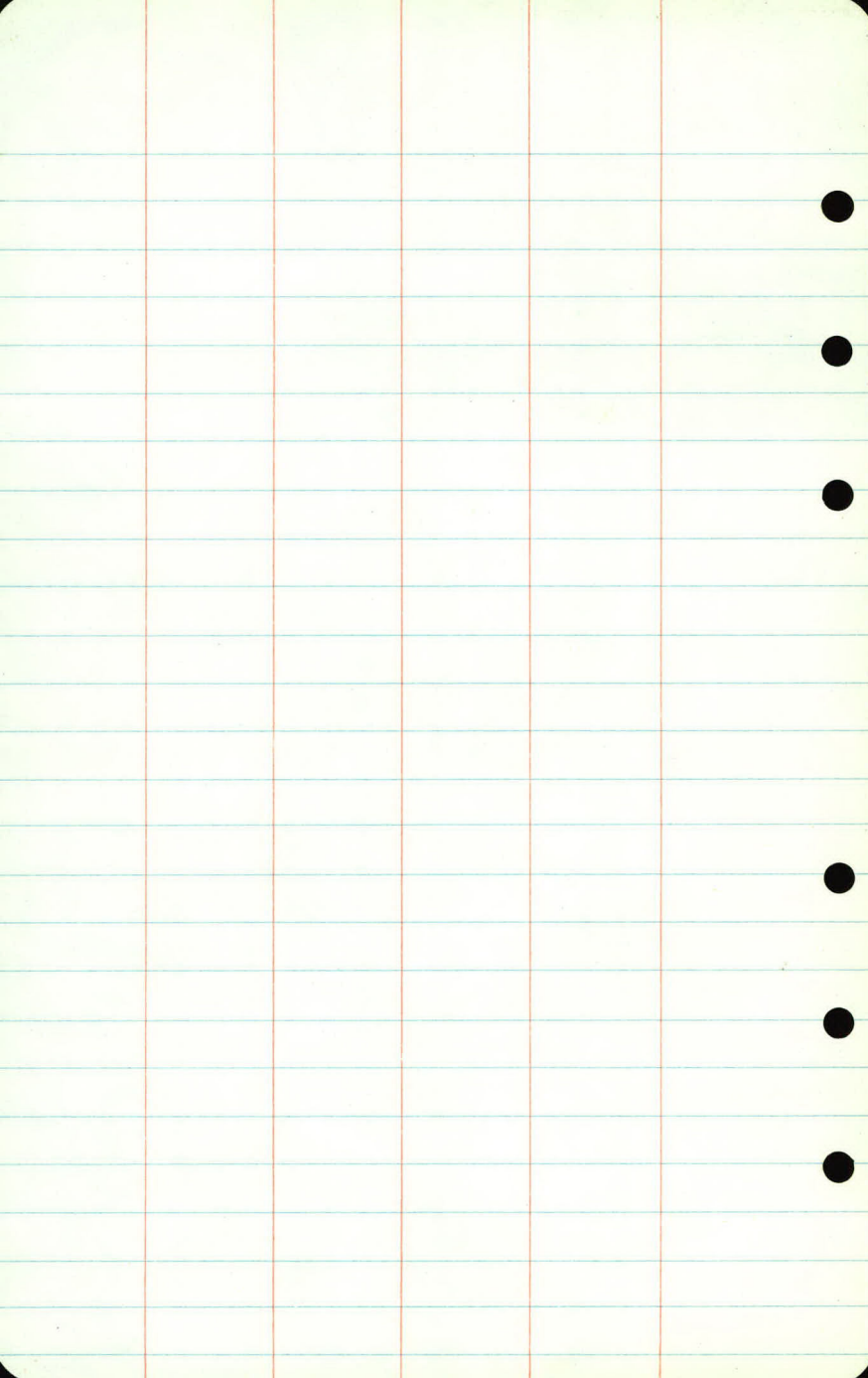
B.M.			3.24	898.04.
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				898.06
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Remarks

E Co Rd. H

Spike P.P. S.W. Cor. Co. Rd. H



Bench Levels

Pl.	+	π	-	Elev.
B.M.	1.91	913.98		912.07
	1.42	909.18	6.22	907.76
	0.96	899.32	10.82	898.36
	3.02	897.29	5.05	894.27
B.M.	9.64	900.79	6.14	891.15
	8.22	905.63	3.38	897.41
	0.21	897.71	8.13	897.50
	0.30	884.37	13.64	884.07
	1.32	872.87	12.82	871.55
B.M.	2.19	866.81	8.25	864.62
B.M.	7.11	870.05	3.87	862.94
	12.59	882.59	0.05	870.00
	10.48	891.90	1.17	881.42
	7.26	897.88	1.28	890.62
	3.34	899.43	1.79	896.09
B.M.	5.66	902.32	2.77	896.66
B.M.			4.26	898.06

Spike P.P. N.W. Cor. Silver Lake Rd and ^{Rice Creek} Rd.

S.W. Cor. Mon. - CTR. Sec. 18

Spike 30' Cottonwood 35' Lt. Sta. 22

N.E. Cor. Mon. - N $\frac{1}{4}$ Cor. Sec. 18

Spike P.P. S.W. Cor. Silver Lake Rd and "14"

