Walker - Remer Road

Level Book #2

DIETZGEN

ENGINEERS'

FIELD BOOK

No. 400

134

Continued from Page Book #1

Weather — Cold - Clear.

Thur. Nov. 13, 1919.
R.J.T.
C.J.B.
F.K.C.
(John Beethoven Sticker Steig & Furst 2nd of Nor. 12th St.)

B.M.	9.91	1433.54			1423.63	Top Iron Cor. Sec. 1-12-6-7 T 141 R. 31-30							
									11.9			6.1	
189				9.2	24.3				3.3	9.7		3.3	
+60				12.3	21.2				L	10.3		10.5	
												3.3	
190				13.4	20.1				L	13.4	L		
+30				14.7	18.8				L	14.7	L		
1				15.0	18.5				L	15.0	L		
2				15.0	18.5				L	15.0	L		
+25				14.2	19.3				L	14.2	L		
									8.7			4.5	
3				7.6	25.9			L	15	7.6		3.3	
-T.P.	11.55	444.77	032		433.22								
160				10.6	34.2			L		10.6	L		
4				10.3	34.5			L		10.3	L		
									7.8			5.6	
5				7.0	37.8				3.3	7.0		3.3	
									7.7			3.2	
+50				4.4	40.4				3.3	4.4		3.3	
6				9.2	35.6				L	9.2	L		
+50				13.9	30.9				L	13.9	L		
									14.3			12.0	11.1
7				12.3	32.5			L	1.8	12.3		3.0	3.3
									12.6			8.1	
+75				10.4	34.4				3.3	10.4		2.3	L
									5.7				
8				3.2	41.6				3.3	3.2	L		
9				3.4	41.4				L	3.4	L		
									3.8				
+50				2.0	42.8				3.3	2.0	L		
T.P.	9.07	145.199	1.85		442.92	on hub.							
200				11.4	40.4				L	11.6	L		
+50				12.5	39.5				L	12.5	L		

		1451.99								
201				9.6	1442.4			11.4 33	9.6	10.0 33
+50				9.7	42.3		L	10.8 19	9.7	9.4 33
+80				10.1	41.9		11.7 33	9.3 13	10.1	L
2				7.5	44.5		11.5 33	9.9 23	7.5	6.1 33
B.M.				4.84	1447.15	Top. 1/16 Cor.				
+30				4.8	47.2			11.3 33	4.8	2.8 18	1.0 33
+70				4.2	47.8			8.4 33	4.2	2.4 33
3				9.1	42.9		9.1 33	9.1 28	9.1	6.9 33
+15				12.9	39.1			L	12.9	L
4				13.5	38.5			L	13.5	L
5				13.5	385			L	13.5	L
+60				13.0	39.0			L	13.0	L
6				11.7	40.3			L	11.7	9.8 27	L
7				10.0	420		L	12.5 21	10.0	7.8 33
+50				11.0	41.0		L	12.7 21	11.0	8.2 33
T.P.	10.81	1454.69	8.11		1443.88					
8				11.8	42.9		L	9.1 31	11.8	10.3 33
9				7.6	47.1		L	5.0 29	7.6	L
+50				9.2	455			L	9.2	9.2 15	7.0 33
210				8.0	46.7			L	8.0	7.0 33
+40				4.8	50.0			L	4.8	L
1				4.0	50.7			L	4.0	5.6 18	7.1 33
+30				56	49.1		L	4.5 21	5.6	9.1 33
2				113	43.4			11.1 33	11.3	L

		1454.69				
213				11.7	43.0	
T.P.	2.45	1444.32	12.82		1441.87	
4				3.8	40.5	
5				8.8	35.5	
+15				9.0	35.3	
B.M.				6.32	1138.00	
6				44	39.9	
B.M.				5.54	1438.78	
+25				4.9	39.4	
+80				6.2	38.2	
7				6.9	37.4	
+30				9.5	34.8	
8				9.6	34.7	
+60				9.0	35.3	
9				6.0	38.3	
T.P.	11.47	1454.55	11.9		1443.13	
220				6.1	48.5	
+30				4.7	49.9	
+70				5.6	49.0	
1				7.9	46.7	
2				15.1	39.5	
+50				15.1	39.5	
3				6.4	48.2	
+15				4.8	49.8	

a Tgt + 14 Pipe.

Sp. in 16" Oak 75'R. 216+70

Sheet 1

		1454.35								
223+40				3.9	50.6			L 3.9	5.7	
								9.0	3.3	
4				6.2	48.4			3.3 6.2	5.1	
T.P.	1.35	1444.06	11.84		1442.71				2.9	
5								L 3.7		
				3.6	41.4			2.8 3.6	L	
+30			37.68							
	9.91		1423.63	5.6	38.5			L 5.6	L	
6	11.35	0.32	14.25						7.0	
	9.07	1.85		5.9	38.2			L 5.9	3.3	
+40	10.81	8.11						3.4	6.2	
	2.45	12.82		4.5	39.6			2.0 4.5	2.7	L
	11.42	1.19								
B.M.	1.35	11.84		5.54	1438.52	Top 4"6 Brass Cap.				
	56.56	6.18						L 6.7	L	
+50	42.31	42.31		6.7	37.4			L 7.3	L	
	14.25			7.3	36.8					
7										
B.M.				2.92	1441.14	Sp in 8" Pop. 15' L of Cor.				
								L 8.1	L	
8				8.1	36.0			L 7.1 1.5	7.8	L
+80				7.8	36.3			L 6.8	L	
				6.8	37.3			L 7.5	L	
9				7.5	36.6			L 8.1	L	
2.30				8.1	36.0			L 7.0	L	
1				7.0	37.1					
2										
T.P.	13.04	1450.92	6.18		1437.88					
								L 11.1	L	
+50				11.1	39.2			L 9.9	L	
+60				9.9	41.0			L 8.6	L	
				8.6	42.3			L 8.9	L	
3				8.9	42.0			7.5 3.3 8.4	L	
+60				8.4	42.5			4.1 3.3 6.6	8.2 3.3	
4				6.6	44.3					
+45										

		1450.92 ✓												
235				1.2	49.7 ✓									
T.P.	7.69	1458.04	0.57		1450.35									
6				3.0	55.0									
+70				4.0	54.0									
7				6.2	51.8									
+55				13.0	45.0									
8				12.7	45.3									
9				13.5	44.5									
~~40~~ +50				13.0	45.0									
240				11.3	46.7									
B.M.+T.P.	11.84	1461.83	8.05		1449.99									
1				12.3	49.5									
2				12.7	49.1									
+30				12.4	49.4									
3				7.9	53.9									
+40				4.8	57.0									
4				4.3	57.5									
+25				5.3	56.5									
5				11.1	50.7									
+50				11.2	50.6									
6				12.3	49.5									
+40				14.0	47.8									
7				10.9	50.9									
B.M.				5.18	1456.65	Sp in Burnt Stub. 75'L 247								

(11.3+C) 3.6
33 12 33

(4.0+C) 6.0
33 3.0 33
3.9
1. 4.0 3.3
10.9 5.0 2.6
33 6.2 12 33
14.1 8.5
L 16. 13.0 3.3
14.9 10.8
33 12.7 33
14.8 9.9
L 12 13.5 33
14.1 9.3
L 20 13.0 37
13.3 8.8
33 11.3 33

On Sec. Cor. Brass Cap.
13.2 11.5
33 12.3 33
L 12.7 L
L 12.4 L
4.3 8.7
33 7.9 25 L
0.5 4.8 2.0
33 4.8 17 33
0.5 23 4.0 3.3 (50+C)
33 19 10 4.3 17 33
1.3 5.0 3.8 0.5
3.3 10 5.3 13 33
9.0
L 11.1 33
9.5 9.4 11.2 10.3
33 21 11.2 19 33
15.1
L. 12.3 32 L
10.8 15.4
33 14.0 14 L
7.1 14.4
3.3 10.9 33

		1461.83			
247+60				9.2	52.6
8				9.9	51.9
+20				12.5	51.3
T.P.	0.96	1451.12	11.67		1450.16
9				11.0	40.1
+30				14.8	36.3
+50				14.9	36.2
250				11.9	39.2
+30				14.3	36.8
+70				12.8	38.3
1				14.3	36.8
+55				19.4	31.7
2				17.4	33.7
3				14.0	37.1
+30				14.0	37.1
4				12.6	38.5
T.P.	4.08	1442.93	12.27		1438.85
+40				9.8	33.1
+80				7.7	35.2
5				8.7	34.2
+25				10.5	32.4
+80				4.3	38.6
6				5.4	37.5
+20				9.1	33.8

8.1 13.4
L 9 9.2 3.3
10.0 14.0
3.3 9.9 3.3
L 10.5 12.1 14.0
15 3.3

8.2 13.0
3.3 11.0 3.3
11.0 15.2
3.3 14.8 19 L
13.2
3.3 14.9 L
13.1
L 11.9 14 L (Highhill out 50)
12.1
3.3 14.3 L
13.6 12.8 14.0
3.3 10 12.8 25 L
15.5
3.3 14.3 L
19.9 16.1
L 15 19.4 3.3
18.9
3.3 17.4 L
L 14.0 L
13.5
L 14.0 18 L
17
L 12.6 25 L

L 9.8 L
11.2 8.6 6.1
3.3 18 7.7 3.3
11.2 9.6 6.1
3.3 18 8.7 3.3
L 10.5 L
6.0 5.3
3.3 4.3 3.3
6.0
3.3 5.4 L
L 9.1 L

		144293			
257				12.1	30.8
T.P.	2.05	1433.63	11.35		1431.58
+20				4.0	29.6
8				3.1	30.5
9				2.1	31.5
260				6.0	27.6
B.M.				2.39	1431.24
+70				10.4	23.2
1				14.2	19.4
T.P.	1.80	1423.08	12.35		1421.28
2				13.5	09.6
T.P.	0.77	1411.23	12.62		1410.46
+80				2.1	09.1
3				4.0	07.2
+40				6.8	04.4
T.P.	1.58	1400.34	12.47		1398.76
4				2.8	99.5
5	7.69	8.05	1450.35	3.3	97.0
6	11.84	11.67	1388.71	7.2	93.1
+70	6.76	10.27	61.64	8.5	91.8
7	4.08	11.35		10.8	89.5
+40	2.05	12.35		13.4	86.9
BM.	1.80	12.62		12.80	1387.54
B.M.	6.77	12.47		11.63	1388.71
	1.58	11.63			
	30.77	92.41			
		30.77			
		61.64			

13.0

L 12.1 1.9 L

L 4.0 L

3.7 5.5

3.3 3.1 3.3

2.7 2.1 3.9

3.3 2.1 1.3 3.3

9.3 6.3 7.4

3.3 9 6.0 3.3

Sp. in 16" Stub 50' R. 359+50

13.9 10.8

3.3 10.4 3.3

16.4

3.3 14.2 L

12.9

3.3 13.5 L

2.7 4.5

L 2.1 1.1 3.3

5.5 4.8 5.7

3.3 4.0 1.3 2.6 L

8.5 8.7

3.3 6.8 3.3

2.0

L 3.8 3.3

2.8

L 3.3 3.3

10.3 4.1

3.3 7.2 3.3

6.0

L 8.5 3.3

8.7

L 10.8 3.3

13.0 13.4 11.7

3.3 3.3 13.4 3.3

Set Cor. on Brass Cap

Sp. in Burnt Stub 40' L 768

			1400.34			
257	268				9.8	90.5
T.P.	+15				9.2	91.1
	T.P.	1.40	1389.80	11.94		1388.40
	+60				6.9	82.9
	9				7.5	82.3
	270				11.0	78.8
26					7.7	82.1
B.M.	+70				10.6	71.2
	1					
	T.P.	3.58	1380.58	12.80		1377.00
	+60				8.6	72.9
T.P.	2				8.0	72.6
	3				4.9	75.7
T.P.	4				12.3	68.3
	+40				9.0	71.6
3	5				14.1	66.5
	+40				17.7	62.9
H.	6				18.5	62.1
4	7				5.3	75.3
5	+15				3.8	76.8
6	+70				6.5	74.1
	T.P.	2.63	1370.84	12.37		1368.21
	8				6.6	64.2
	+75				38.0	32.8
BM	9				38.0	32.8
B						

12.7 11.0 8.5
33 24 9.8 33
14.1 8.5
33 9.2 27 L
4.3
L 6.9 33
L 7.5 L
1.24
33 11.0 L
7.1
L 7.7 33
11.9 9.6
33 10.6 33
L 8.6 L
L 8.0 L
6.6
L 4.9 3.3
133 10.3
L 24 12.3 33
103 7.2
L 16 9.0 33
12.7
L 14.1 22 L
15.7 17.7
33 18 17.7 L
20.1 13.5
L 20 18.5 3.3
10.5 6.0 4.8 5.6
33 12 5.3 2.1 33
6.3 49
33 19 3.8 L
78 7.1
L 22 6.5 33
L 6.6 L
L 38.0 L
L 38.0 L

		1370.84			
280				38.6	328
1				17.1	537
2				6.0	64.8
+30				3.3	67.5
B.M.				1.30	1369.54
3				0.9	69.9
T.P.	12.57	1382.06	135		1369.49
+50				13.4	68.7
4	1.40 3.58	12.80	1388.40 76.60	11.9	70.2
+50	2.63 12.57	12.37 1.35	11.80	9.1	73.0
5	20.18	5.46 31.98		10.9	71.2
+30		20.18 11.80		11.6	70.5
6				6.1	76.0
+30				3.9	78.2
7				4.9	77.2
T.P.(Rev)	1.32	1377.92	5.46		1376.60
8				1.6	76.3
9				5.7	72.2
+70				11.8	66.1
T.P.	0.50	1366.15	12.27		1365.65
290				8.6	57.6
T.P.	1.10	1355.54	11.71		1354.44
+40				7.1	48.4
+80				8.9	46.6

L 38.0 L 17.1 1.55
L 17.1 1.2 3.3
5.7
38 6.0 L 1.7
L 3.3 2.8

Shoulder on ~~Sp. III~~ Burned Stub 50' L 287+70 (2.8+c) L 0.9 2.0 L

12.8 13.4 11.2
3.3 2.0 13.4 3.3
11.5 11.9 11.2
3.3 1.0 11.9 1.0 L
11.0 9.1 10.5
3.3 1.8 9.1 1.5 L
10.1 10.9
L 2.0 8 10.9 L
11.1 10.3
L 11.6 2.2 3.3
8.5
L 1.8 6.1 L
8.3
L 3.5 3.9 L
7.6
3.3 4.9 L

on log on Kan. line Sta 287

2.5 0.6
3.3 1.6 3.3
(down) 5.7 5.7 11.0
3.3 1.7 5.7 1.9 L
L 11.8 L

L 8.6 L

6.0
L 7.1 3.3
12.8 11.7 7.5
3.3 3.0 8.9 3.3

		135554				
291				12.7	42.8	
T.P.	7.00	1350.37	12.17		1343.37	
+30		100 R		21.0	29.4	
2				21.0	29.4	
+30				19.9	30.5	
+80				18.4	32.0	
3				15.8	34.6	
+15				15.8	34.6	
+20				19.0	31.4	
4		132 R		19.0	31.4	
+30		155 R		17.6	32.8	
5		200 R		12.3	38.1	
6		200 R.		11.4	39.0	
+50		250 R		8.1	42.3	
7				3.7	46.7	
8				5.1	45.3	
B.M.				3.43	134.6.94	Sp. in 8" N.P. 75' L Cor.
T.P.	1.72	1351.00	1.09		1349.28	
9				1.2	49.8	
+40				1.4	49.6	
8.00				6.7	44.3	
+50				10.1	40.9	
1				8.0	43.0	
+70				3.7	47.3	

15.8 14.2 11.2
33 20 12.7 33

L 21.0 L
19.8
L 21.0 33
17.3 12.9
L 19.9 20 33
19.4
L 20 18.4 L
L 15.8 L
15.8 15.3
L 15.8 4 33
16.0 18.5 16.0
33 15 19.0 33
14.4
33 19.0 L
12.6 15.8 18.0 17.1
33 16 17.6 20 33
7.2 16.4
33 12.3 33
7.3 6.9 10.2 20.4
33 31 3 11.4 23 L
4.0 5.5 9.7 14.4
33 8 8.1 12 33
2.3 4.3 5.0
33 3.7 12 5.0
7.4 3.7
33 5.1 20 L

2.4 0.4
33 1.2 19 L
0.8
L 1.4 33
7.8 8.7 4.5
33 2.9 6.7 33
9.3 8.9
33 10.1 33
6.4 7.3 7.0
33 2.7 8.0 15 L
7.1
33 3.7 L

		135100			
302				42	46.8
3				45	46.5
+60				6.8	44.2
4				10.0	41.0
+70		60' R.		17.1	33.9
5				17.1	33.9
+80				17.5	33.5
+90				16.4	34.6
6				18.6	32.4
+50				19.0	32.0
7		50' R.		16.1	34.9
8				2.3	48.7
T.P.	7.25	135738	087		1.350.13
+55				8.2	49.2
9				7.0	50.4
+45	1.32		1376.60	7.9	49.5
	0.50	12.27	50.13		
310	1.10	11.71	26.47	12.1	45.3
	7.00	12.17			
1	1.72	1.09		5.1	52.3
	11.64	087			
+20		38.11		4.2	53.2
		11.64			
+60		26.47		6.5	50.9
2				4.8	52.6
+25				4.5	52.9
+10				8.4	49.0
3				8.8	48.8

6.5
3.3 4.2 L
L 4.5 L
L 6.8 L
11.7 10.1
L 19 14 10.0 L
18.6 12.4
L 20 17.1 3.3
15.5 11.3
L 18.6 15 7.1 15 3.3
18.6 16.5 12.7
L 19 17.5 6 16 L
18.6 16.8 15.0
19 16.4 11 15 L
L 18.6 L
19.0
L L
14.3 17.3
3.3 16.1 16 L
5.0 3.1 1.6
3.3 15 2.3 3.3
4.0 10.7 6.7
3 20 8.2 3.3
15.1 10.9
3.3 16 7.0 L
16.1 3.4
3.3 7.9 3.3
19.1 4.1
3.3 12.1 3.3
6.3 5.4
3.3 16 5.1 L
6.0 4.8 ~~4.8~~ ~~6.0~~
3.3 2.1 4.2 ~~2.1~~ ~~3.3~~ L
L 6.5 L
L 4.8 L
5.4 4.5 6.0
3.3 13 4.5 3.3
4.9 10.3
3.3 8.4 2.6 L
4.4 10.2
3.3 8.8 16 L

		1357.38				
Brass Cap.				6.93	1350.45	Top. 20 acre pipe
213+60				82	49.2	
B.M.				8.88	1348.50	Sp. in 10" oak 60' R. 213+50
4				11.8	45.6	
+40				12.5	44.9	
5				9.1	48.3	
6				6.7	50.7	
+60				8.9	48.5	
T.P.	0.85	1346.51	11.72		1345.66	
7				7.4	39.1	
T.P.	0.75	1335.13	12.13		1334.38	
T.P.	0.50	1323.01	12.62		1322.51	
+60				4.0	19.0	
8				6.9	16.1	
+30				9.5	13.5	
9		about 400' L		10.7	12.3	
320				12.3	10.7	
T.P.	1.17	1314.34	9.84		1313.17	
Brass Cap.				3.33	1311.01	on Sec. Cor. Pipe
1		on line.		5.0	1309.3	
2		"	"			
3		"	"			
+60		edge of lake,		5.0	09.3	
T.P.	9.06	1322.02	1.38		1312.96	

4.9 11.7
L 2.9 8.2 2.2 L

10.8 12.7
3.3 11.8 12 L

L 12.5 L

L 9.1 L

L 6.7 L
7.8 11.8
L 2.3 8.9 3.3

3.7 12.7
3.3 7.4 3.3

L 4.0 L

6.9

L 9.5 L

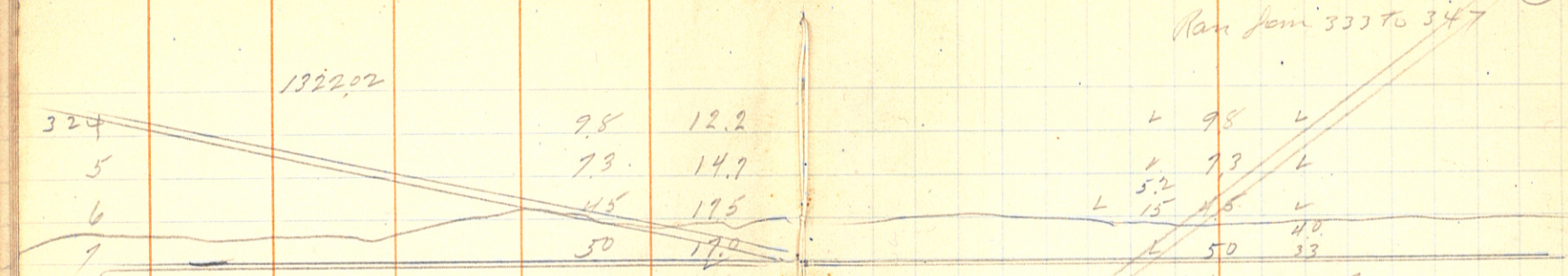
L 10.7 L

12.3

5.0
5.0
5.0
5.0

Sat. Nov. 15

Ran from 333 to 347



		1322.02				
324				9.8	12.2	L 9.8 L
5				7.3	14.7	L 7.3 L
6				4.5	19.5	L 5.2 4.6 L
7				5.0	17.0	L 1.5 4.0 L 5.0 3.3
B.M.				333	1318.69	Sp. in 12" Oak 40' L 326+70
8				5.3	16.7	L 5.3 L
+60				6.8	15.2	L 6.8 L
9				8.2	13.8	7.5 9.8 L 8.2 3.3
~~T.P.~~	1.26	1311.35	11.93		1310.09	
330				2.9	08.5	L 2.9 L
+15		7.25 0.85 11.72 0.75 12.13 0.50 12.62 1.17 9.84 9.06 1.38 1.26 11.93 572 20.84 5.94 20.84 44.50	1333.13 05.63 44.50	4.1	17.3	L 4.1 L
1				6.2	05.2	L 6.2 L
2				5.9	05.5	L 5.9 L
3				5.0	06.4	L 5.0 L
Bran Cap. (Top of				5.72	1305.63	7/16 Cor.
4				7.6	03.8	L 7.6 L
	1.73	1307.36			1305.63	
5				4.8	02.6	L 4.8 L
6				6.1	01.3	6.1 7.6 9.1 7.6 6.1 L 20 18 15 12 10 6.1 L
+85				6.9	00.5	6.9 9.1 9.1 6.9 L 30 25 7 5 6.9 L
+95		Bot. Creek		9.1	1298.3	L 9.1 L
6		Creek 12' wide		7.5	99.9	W.L.
7				6.8	00.6	5.8 6.8 33 10 6.8 L
+20				5.5	01.9	L 5.5 L

		1307.36					
338				40	034	∠ 40	∠
+30				34	040	∠ 34	∠
T.P.	8.71	1315.38	0.69		1306.67	∠ 33	∠
9				72	087		
+50				52	102	∠ 52	40 33
340				41	113	∠ 41	∠
B.M.			2.91		1312.47	Sp. in Tel. Pole 33' L. Sta 340+40	
1				52	102	∠ 52	39 33
2			0742	53	101	∠ 53	∠
+50	1.73 8.71	069	1305.63 1.79	43	111	∠ 43	∠
3	10.44 8.65	796 8.61		42	112	∠ 42	∠
4	1.79			48	106	∠ 48	∠
5				62	092	∠ 62	∠
6				80	094	∠ 80	∠
7				81	073	∠ 81	∠
Brass Cap	4.44	1311.84	7.96		1309.42	Sec. Cor.	
B.M.				3.19	1308.67	Sp. in 10" Pop. 80' R. Cor.	

Not Abandoned

Cont. 8 Pages ahead
(after "R" Line)

"R" Line

Weather. Fine. Clear - Quite Cold.

Tue. Nov 18, 1919.
R.J.T.
C.J.B.
F.F.C.
(Beetham Cutting Line)

B.M.					138871	Sp. in burnt Stub 45												
Brancep. 754		1395.08			138754	¼ Cor.												
265																		
+20				0.0	95.1					L	0.0	L						
+50				5.5	89.6							3.3						
6				6.3	88.8					L	5.5	3.3						
+50				5.8	89.3							4.7						
7				3.2	91.9					L	6.3	3.3						
+25				4.1	91.0							5.1		4.1				
+75				11.2	83.9					L	5.8	2.6		3.3				
8				11.6	83.5						1.7	4.5						
T.P.	240	1384.93	12.55		1382.53						3.3	3.2	3.3					
+70				4.6	80.3						3.7							
9				4.2	80.7						3.3	4.1	L					
270				3.8	81.1						10.3							
+30				6.4	78.5						3.3	11.2	L					
1				6.9	76.0					9.5	10.4							
2				14.6	70.3					3.3	2.6	11.6	L					
+40				15.4	69.5													
3				13.0	71.9					2.6	4.6		4.6	2.5				
4				11.1	73.8					3.3	1.9	4.6	1.8	3.3				
+30				11.3	73.6								3.9					
5				11.2	73.7						L	4.2	3.3					
T.P.	1.51	1374.05	12.39		1372.54						2.7		7.1					
										L	1.8	3.8	3.3					
											3.5		9.0					
											3.3	6.4	3.3					
											5.1		7.8	7.1				
											3.3	6.9	1.7	3.3				
										9.0	14.6		13.1	14.3				
										3.3	1.1	14.6	2.3	3.3				
										12.4	13.1		16.8					
										3.3	2.9	15.4	2.4	L				
											9.4		16.2					
											3.3	13.0	3.3					
											9.3		15.8					
										L	1.8	11.1	3.3					
											9.8		16.1					
										L	2.1	11.3	3.3					
											L	11.2	L					

L 268

"R" Line

		1374.05																	
275+60				5.6	68.4														
6				5.7	68.3														
#30				7.0	67.0														
T.P.	1.78	1363.27	1256		1361.49														
7				8.4	54.8														
+35				7.0	56.2														
B.M.				3.45	1359.82	Sq. in burnt stub. 70' L 277													
8				6.3	55.9														
+50				3.5	59.7														
9				6.8	56.4														
+60				15.4	47.8														
280				15.4	47.8														
T.P.	10.54	1360.99	1282		1350.45														
+50				14.2	46.8														
1				24.2	36.8														
+20				26.8	34.2														
2				15.2	45.8														
+50				6.6	54.4														
3				3.0	58.0														
+30				3.0	58.0														
+60				4.5	56.5														
4				3.9	57.1														
+50				7.9	53.1														
#90				13.0	48.0														

8.0 1.6
L 23 5.6 33
9.5
33 5.7 (6.1+)
33
12.5 0.6
33 7.0 33
10.7 1.0
33 8.4 33

7.2 7.9 3.1
33 20 7.0 33

8.2 8.1
L 43 2.6 33
4.5
33 3.5 L
6.9 6.3 8.3
33 21 6.8 33
11.2 25.0
33 15.4 33
9.5 24.7
L 27 15.4 33

V 11.0 22.4
20 14.2 33
25.0
L 24.2 33
25.7
33 26.8 L
L 15.2 L
8.6 7.0 8.2
33 6.6 2.6 33
5.8 3.6 3.4 5.3
33 16 3.0 1.2 33
L 4.7 4.4 4.7
8 3.0 3.0 33
3.5 4.5 3.7
33 16 4.5 33
4.2 3.3
33 3.9 33
11.8 9.0 7.9 6.1
33 16 9.9 17 33
14.2 6.2
L 16 13.0 33

"R" Line.

		136099			
285				12.4	48.6
+90				2.4	58.6
6				2.1	58.9
+80				2.3	58.7
7				5.7	55.3
~~T.P.~~ 8 +60				5.5 / 7.0	55.5 / 54.0
T.P.	2.46	135326	10.19		1350.80
+40				7.4	45.9
9		754	1387.54	3.1	50.2
+85		2.40 1255	50.80	3.6	49.7
290		1.51 1239 1.78 1256	36.74	6.1	47.2
+60		1054 1282 23.11 1019		13.1	40.2
1		6051 23.77		14.0	39.3
+40		36.74		10.4	42.9
~~2~~					
T.P.	1.64	134208	1282		134044
2				2.9	39.2
+50				6.0	36.1
3				7.5	34.6
+20				7.4	34.7
+60				4.2	37.9
4				6.5	35.6
5				7.3	34.8
+60				5.4	36.7

				135			6.0		
			L	1.9	12.4		3.3		
				1.7			2.4	1.6	
				3.3	2.4		2.0	3.3	
				0.1			2.1	1.6	
			L	2.8	2.1		2.0	3.3	
			0.2	2.0			0.3		
			3.3	1.7	2.3		3.3		
				2.2			6.3	5.1	
				3.3	5.7		2.0	3.3	
				4.2			L		
				3.7	5.5				
				V	7.0		L		
			6.7	7.4			4.5	3.8	
			3.3	2.1	7.4		2.8	3.3	
			2.5	3.1			1.6		
			3.3	2.1	3.1		3.3		
							3.6	2.1	
				L	3.6		1.0	3.3	
							3.3		
				L	6.1		3.3		
				L	13.1		L		
							14.0	14.5	17.2
				L	14.0		3.3	5.0	8.0
			10.4	9.7			15.8	17.0	
			3.3	2.1	10.4		3.7	5.0	L
				(4.0+c)			5.4	6.9	
				3.3	2.9		3.0	5.0	L
				2.2					
				3.3	6.0		7.0 1.5	L	
			4.4	7.5					
			3.3	9	7.5		L		
				5.0					
				3.3	7.4		L		
			L	3.4			7.1	7.4	
				1.1	4.2		2.6	3.0	L
				5.0			7.4		
				3.3	6.5		1.5	L	
			4.1	5.1					
			3.3	1.9	7.3		L		
		0.5	4.8		4.8			7.3	
L	2.8	2.2		5	5.4		9	L	

"R"R" Line

		1342.08			
296			L	4.7	37.4
+80				5.2	36.9
7				5.4	36.7
+25				6.1	36.0
8				5.8	36.3
+30				5.3	36.8
9				4.2	37.9
+40				3.6	38.5
300				4.0	38.1
+80				4.8	37.3
1				3.0	39.1
T.P.	4.95	1346.08	0.95		1341.13
+40				2.9	43.2
+75				2.5	43.6
2				5.4	40.7
+35				3.0	43.1
+50				3.0	43.1
+80				6.7	39.4
3				6.8	39.3
+50				7.3	38.8
B.M.				3.83	1342.25
4				5.8	40.3
+60				9.2 ~~5.8~~	36.9
5				9.9	36.2

246 1.64 4.95 9.05

12.82 6.95 9.27 23.04 9.05 13.99

135080 3481 13.99

1.1 3.3 (8.0+C) 3.3 (7.1+C) 3.3 2.1 3.3 (6.8+C) 3.3 (8.0+C) 3.3 (6.5+C) 1.1 L (4.2+C) 4.5 L 1.9

3.1 2.1 1.0 1.3 1.7 1.2 4.2 1.3 4.1.0 1.6 (6.5+C) 1.1 0.0 L 9 4.5 4.0 2.4 3.3 2.0 3.3

4.7 1.8 5.2 7 5.4 8 6.1 1.0 5.8 9 5.3 7 4.2 2 4.2 2.6 4 3.6 4.0 9 4.0 4.8 3.0

4.7 5.2 5.4 5.4 6.1 5.8 5.3 4.2 4.2 4.8 3.6 4.0 4.7 4.8 3.9 1.2

4.7 4 5.2 11 5.4 15 6.1 13 5.8 17 5.3 17 4.8 1.0 4.2 5 4.0 1.0 4.7 4.7 1.0

6.2 8 5.2 11 5.4 15 6.1 13 5.8 17 5.3 17 4.2 1.6 4.0 1.7 4.7 1.0 4.3 1.2 3.2 2.7 5.4 1.2

7.5 17 L 7.5 22 L 7.4 21 L 7.4 17 L 7.0 24 L 24 32 30 33 1.0 2.0 (4.4+C) 21 L 0.5 33 19 L 5.8 33 4.2 33 ~~5.8~~ 2.8 29 L

4.7 3.9 3.3 1.9 L 4.2 3.7 3.3 1.9 L 5.2 6.7 3.3 1.6 5.2 3.3 6.8 4.7 3.3 7.3 L 3.0 L 3.0 L 6.1 L 6.8 L 9.0 2.9 L

Sp. in 10" S.P. 70' L 3.04

6.1 3.3 5.8 L 9.2 8.7 3.3 9.9 5.1 3.3 L 9.4 3.3

"R" Line

		1346.08			
306				10.5	35.6
T.P.	9.43	1346.24	9.27		1336.81
+50				10.1	36.1
7				12.5	33.7
+55				9.2	37.0
8				10.6	35.6
+30				11.9	34.3
9				3.6	42.6
T.P.	5.75	1351.47	0.52		1345.72
+85				2.8	48.7
310				2.7	48.8
1				6.8	44.7
+80				10.7	40.8
2				10.5	41.0
T.P.	4.82	1343.93	12.36		1339.11
+50				10.1	33.8
3				11.6	32.3
4				11.6	32.3
5				11.6	32.3
+50				11.0	32.9
6				5.6	38.3
+80				5.5	38.4
7				4.3	39.6
T.P.	5.31	1347.79	1.45		1342.48

6.4 9.6
33 12 10.5 L

6.8 12.8
33 10.1 33
9.7
33 12.5 L
8.5 12.1
L 15 9.2 33
L 10.6 L
9.7 10.6
33 26 11.9 L
2.2 6.7
33 3.6 33

0.5 1.7 2.2 5.1
50 33 5 28 33
(3.8+L) 0.9 5.7
50 23 2.7 33
2.0 3.6 8.5 9.4
50 33 6.8 26 33
7.2 13.0 17.9
33 10.7 16 33
7.5 8.4 17.9 18.5
33 19 10.5 23 33

7.8 9.4
33 15 10.1 L
L 11.6 L
L 11.6 L
L 11.6 L
L 11.0 10.0
33
7.3 4.5
33 5.6 20 L
9.1 1.7
33 5.5 33
9.1 0.0
33 4.3 33

"R" Line

			1347.79			
318				42	44.8	
+50				3.3	44.7	
9				5.7	42.3	
+55		9.43	1336.84	9.5	38.5	
		5.75 0.52	17.27			
320		4.82 12.36	19.10	9.7	38.3	
		5.31 1.45				
+60		1.30 13.07		7.8	40.2	
1		1.13 11.97		7.8	40.2	
		3.43 6.53				
+50		31.17 3.37		9.7	38.3	
		49.27				
+80		31.17		9.1	38.9	
		18.10				
2				7.3	40.7	
+40				6.4	41.6	
3				8.7	39.3	
+75				11.8	36.2	
T.P.	1.30	1336.02	13.07		1334.72	
				4.5	31.5	
T.P.	1.13	1325.18	11.97		1324.05	
5				4.1	21.1	
6				6.0	19.2	
7				8.5	16.7	
T.P.	3.43	1322.08	6.53		1318.65	
8				5.7	16.4	
9				5.7	16.4	
330	Tie To Sec. Line			5.5	16.6	
1.	Line "R" 332 = 327			5.9	16.2	
B.M.				3.37	1318.71	1318.69

10.3 0.9
3.3 4.2 3.3
8.3 (4.0+C) (4.8+C)
3.3 3.3 3.3 5.0
13.3 10.4
L 5.5 3.3 5.7 3.3 5.0
13.4 11.7 4.7
L 3.1 11 9.5 3.3
13.4 11.8 5.8
L 2.7 11 9.7 3.7
12.5 11.3 4.2
3.3 2.0 7.8 3.3
9.0 11.0 11.0 7.5 5.4
4.0 3.3 2.0 11 7.8 1.6 L
8.1 9.7 9.7 8.5 6.9
L 1.4 8 9.7 6 1.0 3.3
7.3 7.4 9.3 7.7 7.4
3.3 3 9.1 1.4 2.8 3.3
7.3 5.1 5.1 6.1
L 7.3 6 1.3 2.5 .33
8.0 8.5 8.5 9.4
L 1.6 6.4 11 1.8 2.7 L
7.2 8.7
3.3 1.5 8.7 L
6.7 14.6
3.3 11.8 3.3
(8.2+C) (7.0+C) 12.0 17.7
3.3 2.4 4.5 3.3 5.5
(8.7+C) (5.4+C) 6.3 7.0
3.3 2.2 4.1 1.2 2.4 L
(11.8+C) 4.3 7.3 8.0
3.3 8 6.0 1.2 3.3 L
5.5 7.5
3.3 2.4 8.5 L
L 4.0
L 2.2 5.7 L
L 5.7 L
L 5.5 L
L 5.9 L

Cont. from 7 Pages back.

Sec. Line X sections.

Finished 9th Line Levels at 3 P.M. then Cont. this to 4 Cor.

Tuc. Nov. 18, 1919

R.J.J.
C.J.B.
F.F.C.

(22)

Bran Cap	3.85	1311.27			1307.42	Sec. Cor. 4-9-3-10 T14S R.3O
348				4.9	06.4	4.9
9				5.1	06.2	5.1
350				4.3	07.0	4.3
1				4.7	06.6	4.7
2				5.6	05.7	5.6
3				5.7	05.6	5.7
4				7.6	03.7	7.6
5				7.4	03.9	7.4
6				6.9	04.4	6.9
T.P.	5.22	1310.98	5.51		1305.76	
7				7.0	04.0	7.0
8				7.0	04.0	7.0
9				5.7	05.3	5.7
360				4.7	06.3	4.7
Bran Cap				3.68	1307.30	1/16 Cor.
B.M.				2.22	1308.76	Sp. in 6" J.P. 60' R. Cor.
1				5.5	05.5	5.5
2				6.9	04.1	6.9
+50				6.1	04.9	5.8 6.1 5.3 / 16 12 6.1 24
3				4.0	07.0	4.0
+50				5.1	05.9	5.1
4				3.9	07.1	3.9
5				3.9	07.1	3.3 / 26 3.9

Weather. Tue. Nov. 25. P.M.
Cold (about 20 below) R.J.T. (Beetham back
C.S.B. to camp
F.F.C.

		1310.98 ✓				3.4			
365+70				4.0	07.0	3.3	4.0	L	
366				2.5	08.5	1.7			
						3.2	2.5	L	
T.P.	6.49	1315.41 ✓	2.06		1308.92 ✓				
7				2.6	12.8	L	2.6	L	
						4.4		2.0	
+25				3.1	12.3	3.3	3.1	1.5 L	
						11.1		6.4	4.5
+70				7.2	08.2	3.3	7.2	1.1	3.3
						10.8		4.5	
8				6.7	08.7	3.3	6.7	2.2	L
						11.7		5.1	
+25				7.7	07.7	3.3	7.7	3.3	
T.P.	1.99	1305.38 ✓	12.02		1303.39 ✓				
9				4.4	01.0			3.1	
						L	4.4	3.3	
+20		3.85 0.51	1307.42	6.1	99.3	L	6.1	L	
		5.22 2.06	03.22						
		6.49 12.02	4.20						
370		1.99 2.18		7.3	98.1	L	7.3	L	
		17.95 21.77							
		17.95							
1		3.82		7.1	98.3	L	7.1	L	
2				8.2	97.2	L	8.2	L	
	Creek 3' wide.		W.L.	8.5	96.9				
	372+15		Bot.	9.5	95.9				
3				6.4	99.0	L	6.4	L	
4				3.8	01.6		3.8		
Bran Cr.			2.18		1303.20 ✓	1/4 Cor.			
	10.46	1313.66							
+40				9.0	04.7	L	9.0	L	
375	Using "A" Line			1.0	12.7	2.0			
	See third page Ford.					3.3	1.0	L	
B.M.				6.4	1307.52	Sp. in 6" pop. 60' N.E. of Cor.			
T.P.	11.07	1323.76	0.97		1312.69				

		132376				
375+30				58	18.0	
6				4.1	19.7	
+25				6.5	17.3	
T.P.	0.58	131231	12.03		1311.73	
+60				4.6	07.7	
7				6.6	05.7	
T.P.	4.86	131042	6.75		1305.56	
8				5.0	05.4	
9				4.5	05.9	
380				6.7	03.7	
T.P.	5.11	130680	8.73		1301.69	
1				6.1	00.7	
		W. L.	Lake.	6.5	00.3	
2				5.0	01.8	
3				1.3	05.5	
T.P.	10.97	016.95	0.82		1305.98	
+40				9.8	07.2	
+85				4.0	03.0	
T.P.	12.66	1329.16	0.45		1316.50	
4				10.1	19.1	
+25				4.2	25.0	
+45				2.6	26.6	
T.P.	11.37	1339.93	0.60		1328.56	
5				6.5	33.4	

64
33 58 L
77 55 35
33 22 41 33
142 69 41
L 38 4 65 18 L

4.6 21 (6.8+c)
L 4.6 5 22 33
L 6.6 L

L 5.0 L
L 4.5 L
L 6.7 L

on Lake 6.5 43
15 6.1 33

L 5.0 L
L 1.3 L

L 9.8 L
(9.0+c) 53
33 4.0 16 L

15 172
33 10.1 19 L
(8.8+c) 113
33 4.2 33
(5.6+c) 74
33 2.6 23 L

56 46 90
33 18 6.5 22 L

Weather — dam Cold.

Wed Nov. 26, 1919

R.J.T.
C.J.B.
F.F.C.

(J.B. in camp cutting wood)

		1339.93				
T.P.	6.62	1346.01	0.54		1339.39	
385+85				4.0	42.0	
6				3.8	42.2	
+85				6.5	39.5	
7				9.7	36.3	
+10				24.0	22.0	
8				24.0	22.0	
+20				24.0	22.0	
9				14.3	31.7	
T.P.	5.13	1345.48	5.66	~~14.3~~	1340.55	(marked)
390				4.1	41.4	
+30	10.46		44.93	3.6	41.9	
	11.07	0.97	1303.20			
+85	0.38	12.03	41.73	5.4	40.1	
	4.86	6.75				
1	5.11	8.73		7.6	37.9	
	10.97	0.82				
	12.66	0.45		10.5	35.0	
+40	11.37	0.60				
	6.62	0.54		7.9	37.6	
2	5.13	5.66				
		0.55		7.6	37.9	
3	78.83	37.10				
	37.10			3.5	42.0	
+50	41.73					
T.P.	7.25	1352.18	0.55		1344.93	all for Nov. 25.
4				4.2	48.0	Nov. 26
5				3.7	48.5	
+70				4.7	47.5	
B.M.				5.94	1346.26	sp. in 6" oak 50' L 395+50
6				9.6	42.6	
7				10.1	42.1	

L 4.0 L
L 3.8 L
L 6.5 L
L 9.7 8.4
33
L 24.0
24.0 L
24.0 L
19.3 10.1
33 14.3 33
53
33 4.1 L
4.6 2.5
3.3 3.6 3.3
7.1 3.6
33 5.4 3.3
9.4 4.2
33 7.6 3.3
1.29 6.4
L 2.2 10.5 3.3
8.1 8.7 4.7
33 7.9 3.3
16 7.6 84
L 7.6 19 33
7.5
L 3.5 3.3
5.9 2.0
33 4.2 3.3
5.7
33 3.7 L
7.4 2.6
33 4.7 3.3
10.4
10 9.6 L
L 10.1 L

Cont. 2 Pages over

"A" Line

Brass Cap.	13.05	1316.25			1303.20	1/4 Cor.
374 +40				11.3	05.0	
5				4.4	11.9	
T.P.	8.32	1324.19	0.38		1315.87	
+30				5.6	18.6	
6				3.5	20.7	
+50				3.5	20.7	
7				6.2	18.0	
+60				7.7	13.5	
+85				13.3	10.9	
8				13.5	10.7	
+20				11.5	12.7	
+60				4.5	19.7	
9				2.7	21.5	
T.P.	3.17	1325.56	1.80		1322.39	
+25				2.4	23.2	
+80				9.8	15.8	
T.P.	0.19	1313.89	11.86		1313.70	
380				4.2	09.7	
+20				7.0	06.9	
1				7.9	06.0	
2				7.7	06.2	
3				7.7	06.2	
T.P.	11.75	1319.90	5.74		1308.15	

L 11.3 L
5.6
L 4.4 16 L
64
L 24 5.6 L
L 3.5 L
L 3.5 L
9.6 24 47 62
3.3 20 6.2 20 33
12.7 8.2 7.7 11.3
3.3 18 7.7 16 33
L 13.3 L
L 13.5 L
11.5 14.5
L 11.5 20 33
7.0 4.5 6.5
3.3 4.5 19 33
5.9
3.3 2.7 L
5.7 3.1 2.9
3.3 2.2 2.4 2.2 L
16.8 15.3 4.0
3.3 1.9 9.8 3.3
7.3 6.3 4.7 (7.0+C)
3.3 1.4 4.2 1.2 3.3
L 7.5 3.2
12.4 7.0 3.3
L 7.9 L
L 7.7 L
L 7.7 L

"A" Line

		1319.90			
38.4				11.6	08.3
+50				10.0	09.9
5				7.6	12.3
+60				3.0	22.9
T.P.	12.69	1332.38	0.21		1319.69
6				8.9	23.5
+40				3.0	29.4
7				2.4	30.0
+35				3.1	29.3
+80				11.5	20.9
8				12.6	19.8
+25				12.4	20.0
9				5.0	27.4
+60				0.6	31.8
T.P.	12.77	1340.22	4.93		1327.45
T.P. (previous)			-0.10		1340.32

1340.32

L 11.6 L
44 10.0
33 8 10.0 L
0.0 4.1 10.0
33 19 7.6 15 L
(11.4+C) 7.7
33 3.0 3.0 L

1.1 16.6
33 8.9 33
(7.0+C) 10.0
33 3.0 33
(7.5+C) 11.4
33 2.4 33
8.6+C 10.9
33 3.1 2.6 L
3.8 8.7
33 5 11.5 L
74 10.8 12.6 12.6 10.5 7.0
33 19 16 12.6 10 14 33
13.6 3.2
L 12 12.4 33
10.8 10.1 (8.8+C)
33 23 5.0 33
53 (5.2+C)
33 0.6 33

Ø is 7' R.

Cont. from 2 Pages back.

		1352.18			
397+45				10.3	41.9
8				4.2	48.0
+60				3.8	48.4
9				6.5	45.7
+50				7.1	45.1
T.P.	9.97	1352.88	9.27		1342.91
400				16.4	36.5
+15				20.2	32.7
1				20.9	32.0
+35				20.2	32.7
2				4.8	48.3
T.P.	11.30	1363.64	0.54		1352.34
3				2.7	60.9
+25				2.5	61.1
+50				4.3	59.3
B.M.				1.85	1361.79
4				1.7	61.9
5				8.9	54.7
T.P.	4.99	1356.85	11.78		1351.86
6				10.3	46.6
+30				16.5	40.4
7				11.2	45.7
8				6.4	50.5
B Barr Capt				6.04	1350.81

Wed. Nov. 26

Left camp 1½ hrs. early this morning

					6.0	
			L	10.3	3.3	
			7.9		3.0	
			3.3	4.2	2.0	L
		3.8	2.5		8.3	
		3.3	2.2	3.8	3.3	
			1.5		13.7	
			3.3	6.5	3.3	
		1.5	7.1		14.9	
		3.3	5	7.1	3.3	
			11.4		20.9	
			3.3	16.4	2.2	L
				L 20.2	L	
				L 20.9	L	
		13.7	20.2			
		3.3	8	20.2	L	
			2.8 4.7		6.1	8.3
			3.3	20 4.6	1.6	3.3
			4.8			
			3.3	2.7	L	
			5.3			
		L	3.0	2.5	(2.8+C)	
					3.3	
					4.3	2.5
			L	4.3	2.0	3.3

Up in 8' V.P. 50' R 402+70

	3.4		2.3	
	3.3	1.7	3.2	
	11.1			
	3.3	8.9	L	
13.0			2.8	
3.3		10.3	4.2	
			10.4	
	L	16.5	3.3	
12.4			9.0	
3.3		11.2	3.3	
5.4				
3.3		.64	L	

Allotment Cor.

		135685			
408+70				5.0	51.9
9				6.7	50.2
+80				3.1	53.8
410				4.4	52.5
+70				3.5	53.4
1				6.6	50.3
T.P.	1.84	134623	12.46		134439
2				9.3	36.9
+30				12.0	34.2
T.P.	1.24	133521	12.26		133397
3				3.4	31.8
4				6.5	28.7
5				10.5	24.7
+35				11.7	23.5
T.P.	1.99	132443	12.77		132244
6				6.9	17.5
+15	7.25	9.27	134493	8.1	16.3
7	9.97	0.54	1761		
	11.30	11.78	27.32	8.9	15.5
8	4.99	12.46		8.9	15.5
	1.84	12.26			
9	1.24	12.77		9.0	15.4
	1.99	6.82			
	38.58	65.90		7.7	16.7
420		38.58			
		27.32			
T.P.	10.06	132767	6.84		131761
1				11.5	16.2
2				10.4	17.3

				5.0	
				3.3	
				6.7	
				1.5	
				3.3	
				3.1	
				2.5	
				3.3	
				4.4	
				2.7	
				2.2	
				3.5	
				5.8	
				3.3	
				6.6	
				7.7	
				3.3	
				9.3	
				10.7	
				13.0	
				3.3	
				12.0	
				3.3	
				1.5	
				3.3	
				3.4	
				4.7	
				3.3	
				6.0	
				3.3	
				6.5	
				7.1	
				3.3	
				9.8	
				3.3	
				10.5	
				11.7	
				3.3	
				12.5	
				3.3	
				11.7	
				6.9	
				8.1	
				8.9	
				8.9	
				9.0	
				7.7	
				11.5	
				11.5	
				10.4	

		1327.67			
422+25				9.4	18.3
3				2.3	25.4
T.P.	12.65	1338.95	1.37		1326.30
+20				10.7	28.3
4				6.9	32.1
+50				2.8	36.2
B.M.				1.54	1337.41
+70				3.4	35.6
T.P.	12.93	1351.40	0.48		1338.47
5				12.8	38.6
+35				11.6	39.8
6				4.9	46.5
+20				4.8	46.6
7				8.0	43.4
Brass cap				8.03	1343.37
8				8.2	43.2
T.P.	11.04	1361.97	0.47		1350.93
9				8.4	53.6
T.P.	9.86	1371.39	0.44		1361.53
+60				9.5	61.9
430				8.9	62.5
+40				5.5	65.9
1				5.0	66.4

11.5 7.4
20 9.4 33
7.3 45 2.7
3.3 17 2.3 18 L

14.9 9.4
33 10.7 20 L
10.4 5.8
33 6.9 23 L
6.2 5.5 1.0
3.3 22 7.8 16 L

Spain 6" oak 50' L 424+70

1.0
L 3.4 33

12.9 12.7
L 19 12.8 33

12.6
33 11.6 L
L 4.9 L
5.5
33 4.8 L
8.7
L 10 8.0 L

114

6.4
33 8.2 L

6.4 8.9
L 2.2 8.4 33

L 9.5 L
8.6 8.9 8.1
3.3 17 8.9 2.6 L
7.7 7.6
L 2.7 5.5 3.3
9.4 5.5 1.0
3.3 5.0 2.7 3.3

		1371.39			
431+15			51	66.3	
+55			9.9	61.5	
2			10.1	61.3	
+50			9.9	61.5	
+85			7.7	63.7	
3			4.2	67.2	
T.P.	12.56	1383.92	0.03	1371.36	
4			2.6	81.3	
+30			4.5	79.4	
Brass cap			2.59	1381.33	
T.P.	13.04	1396.48	0.48	1383.44	
5			10.2	86.3	
+20			8.7	87.8	
6			9.3	87.2	
7			2.3	94.2	
+20			2.4	94.1	
+50			3.8	92.7	
+80			1.6	94.9	
8			1.9	94.6	
+50			7.0	89.5	
9			3.9	92.6	
+70			2.8	93.7	
T.P.	6.28	1401.82	0.94	1395.54	
440			2.8	99.0	

10.06 1.37
12.61 0.48
12.93 6.47
11.54 0.44
9.86 0.03
12.56 0.48
13.04 0.94
82.74 4.21
4.21
77.93

95.54
131.61
77.93

9.0 6.0
3.3 5.1 2.3
L 9.9 L
L 10.1 L
L 9.9 L
L 7.7 L
L 4.2 L
4.8 1.2
3.3 2.6 3.3
2.9 2.4 6.6 6.1
3.3 2.2 4.5 2.5 3.3

Allotment Cor.

1.5.0
L 10.2 3.3
6.7 14.0
3.3 8.7 3.3
6.7 9.3 11.1
3.3 1.4 9.3 3.3
1.0 4.7
L 1.6 2.3 1.9 L
1.2 4.7
L 2.3 2.4 1.9 L
1.0 5.2 4.8
3.3 3.8 1.9 3.3
(3.8+C) 3.6 2.3
3.3 1.6 2.2 3.3
(4.0+C)
3.3 1.9 L
10.0 7.0 8.5
3.3 7.0 1.1 3.3
5.1
L 2.2 3.9 L
1.8
L 2.8 2.2 L
5.5
3.3 2.8 L

		1401.82			
440+20				2.1	99.7
1				6.5	95.3
Iron Cap				7.97	1393.85
+70				14.2	87.6
B.M.				3.10	1398.72
2				13.4	88.4
+20				14.0	87.8
+50				10.8	90.0
3				13.0	88.8
+30				11.6	90.2
4				12.4	89.4
+40				10.4	91.4
T.P.	10.85	1402.85	9.82		1392.00
+80				13.3	89.6
5				11.5	91.4
+30				9.7	93.2
6				12.9	90.0
T.P.	4.01	1406.25	0.61		1402.24
7				3.1	63.2
+35				2.9	63.4
8				7.2	99.0
+70				13.6	92.6
9				13.4	92.9
+40				11.6	94.6

1/16 cor.

Sp. in 5" Pap. 42' R. 440+70

5.0
3.3 2.1 L ~~3.3~~
10.0 7.2
3.3 6.5 3.3

15.7 12.0
L 2.0 14.2 3.3

15.4 9.8
2.2 13.4 3.3
16.0 11.8
3.3 14.0 3.3

L 10.8 L 12.0
L 13.0 3.3 8.8
L 11.6 3.3
L 12.4 L
L 10.4 L

12.5 13.3
3.3 10 13.3 L
12.4
3.3 11.5 L
14.0 7.9
3.3 9.7 23 L
10.7 13.4 12.5 11.1
3.3 15 12.9 19 3.3

5.3 4.3 6.5
3.3 3.1 16 3.3
4.0 3.5 5.5
3.3 2.9 15 3.3
4.4 3.0 10.2
3.3 1.3 7.2 3.3
12.6
L 13.6 3.3
14.4 12.0
L 1.8 13.4 3.3
14.8
3.3 11.6 L

		140625				
~~T.P.~~	2.60	1397.04	11.81		1394.44	
450				5.6	91.6	
1				9.5	87.5	
+20	6.28		1395.34	10.8	86.2	
2	10.80 / 4.01	9.82 / 0.61	8.32 / 10.22	10.8	86.2	
3	2.60 / 1.16	11.81 / 0.76		10.4	86.6	
4	24.90	12.12		11.0	86.0	
		35.12				
		24.90				
+35		10.22		11.3	85.7	
+60				4.4	92.6	
Bran Cap				5.54	1391.50	Sec Cor.
5				8.7	88.3	
BM.				6.13	1390.91	Sp. in 4" Oak 75' R 455
+20				10.0	87.0	
+90				9.0	88.0	
6				10.3	86.7	
+15				11.9	85.1	
7				1.5	95.5	
T.P.	1.16	1397.44	0.76		1396.28	
+30				1.0	96.4	
8				3.8	93.6	
9				8.5	89.9	
460				12.7	85.7	
T.P.	1.72	1386.54	12.12		1385.32	
+85				8.3	78.2	

L 5.6 L

L 9.5 7.1 33

L 10.8 6.7 33

L 10.8 L

L 10.4 L

L 11.0 L

L 11.3 L

36 50 3.6
33 16 4.4 33

9.6 ~~8.7~~ 6.4
L 20 ~~8.7~~ 33

10.5
L 25 10.0 1.2 33
12.2
L 18 9.0 6.0 33
12.7
L 15 10.3 6.8 33

L 1.9 9.9 33

L 1.5 L

L 1.0 L

3.0
33 3.8 L

8.0
33 8.5 L

L 12.7 L

6.7
L 8.3 33

		1386.54				
461				8.0	78.5	
T.P.	0.52	1374.87	12.19		1374.35	
2				3.3	71.6	
3				10.5	64.4	
T.P.	0.90	1364.05	11.72		1363.15	
4				3.3	60.7	
5				6.6	57.4	
6				11.2	52.8	
T.P.	4.35	1356.53	11.87		1352.18	
7				7.3	49.2	
Gravel pit				4.69	1351.84	1/16 Cor
8				5.2	50.9	
+15				6.6	49.9	
+30				9.2	47.3	
9				9.6	46.9	
470				9.6	46.9	
1				9.6	46.9	
T.P.	11.77	1368.13	0.17		1356.36	
2				9.7	58.4	
3				0.8	67.3	
T P	6.85	1374.83	0.15		136.798	
+20				6.4	68.4	
+65				3.7	71.1	
4				5.0	69.8	

9.8 6.7
L 20 8.0 33

5.5 2.7
33 3.3 33
9.5
L 10.5 33

2.2
L 3.3 33
7.6 5.6
33 6.6 3.3
10.7
L 11.2 33

L 7.3 L

L 5.6 L
8.6
L 6.6 2.2
6.8 9.2
33 17 9.2 L
L 9.6 L
9.6 L
L 9.6 L

7.5 12.1
33 9.7 33
L 0.8 L

L 6.H L
5.3 2.7
L 14 3.7 1.9 L
8.2 1.5
L 25 50 33

Weather —
Snowing when we started out —
Snowed all day.

Fri. Nov. 28 —
R.J.T. (J.B. in Camp)
C.S.B.
F.F.C.

137483

474+20				7.0	- 67.8	
5				5.0	69.8	
+40				2.8	72.0	
6				7.2	67.6	
7				9.8	65.0	
+60				12.8	62.0	
8				12.8	62.0	
9				13.0	61.8	
T.P.	2.43	136545	11.81		1363.02	
480				4.3	61.2	
+50		1.22 0.52 1219 1385.32 0.90 11.72 52.71 4.35 11.87 32.61		2.7	62.8	
1		11.77 0.7 6.85 0.13		4.1	61.4	
+30		2.43 11.81 28.04 1274		3.4	62.1	
Bearclaw		60.65 28.04 32.61		26.8	1362.77	
B.M.				18.8	1363.57	
2				7.8	57.7	
T.P.	0.81	1353.52	1274		1352.71	
3				6.6	46.9	
+25				9.0	44.5	
4				5.3	48.2	
+50				6.5	47.0	
5				10.4	43.1	
T.P.	0.50	1341.76	12.26		1341.26	
+70				8.4	33.4	

Rec. 20 Bear Traps day.

(Knocked off 1.34 miles at flat all. Land + meandering

meandering

			L	1.0	3.6	
		9.6	6.4		33	
		3.3	1.3	5.0	3.4	
			10.2		33	
			3.3	2.8	(4.6 + C)	
			13.8		33	
			3.3	7.2	0.1	
			15.6		3.3	
			3.3	9.8	8.1	
			17.9		3.3	
			3.3	12.8	10.8	
			15.9		4.5 L	
			3.3	12.8	11.8	
					3.3	
			L	13.0	L	
			L	4.3	L	
			4.3			
			3.3	2.7	L	
			5.0		3.5	
			3.3	4.1	3.3	
			5.8			
			3.3	3.4	L	

1/4 cor.

Sp. in 8" Pap. 50' S. of Cor.

			10.5		7.7	
			3.3	7.8	3.3	

marked all for Nov. 26 —

Nov. 28		8.7	8.0		5.8	
		3.3	1.6	6.6	3.3	
			10.0		7.7	
			3.3	9.0	3.3	
			7.9		3.9	
			3.3	5.3	3.3	
			8.9		4.1	
			3.3	6.5	3.3	
			12.1			
			3.3	10.4	L	
			L	8.4	L	

		1341.76								
486				10.2	31.6			L 10.2 L		
7				6.2	35.6			L 7.1 19 6.2 L		
8				5.4	36.4			L 5.4 L		
9				5.3	36.5			L 5.3 L		
+30				5.1	36.7			L 5.1 L		
490				2.6	39.2			L 2.6 L		
T.P.	11.42	1351.13	2.05		1339.71					
1				9.0	42.1			L 9.0 L		
2				5.5	45.6			L 5.5 L		
~~#70~~				3.9	47.2			L 3.9 2.3 3.3		
B.M.				4.58	1346.55	Sp. in Pop 40' L Sta 4+92				
T.P.	8.22	1359.11	0.24		1350.89					
3				8.4	50.7			10.0 7.4 21 8.4 3.3		
+50				5.0	54.1			L 5.0 L		
4				6.0	53.1			L 6.0 L		
+25				7.4	51.7			L 7.4 L		
Brass Cap.				7.88	1351.23	1/16 Cor.				
5				8.0	51.1			L 8.0 L		
+20				7.7	52.4			L 7.7 L 4.9 7.8		
+70				3.5	55.6			L 3.5 1.2 3.3		
6				7.3	51.8			7.3		
7				8.6	50.5			8.6		
8										
9										
500				8.6	50.5			L 8.6 L		

Cont. on Second Page.

(Bl Line Revision Page 2)

(bk on next)

"B" Line

Line around Lake to North.

		135911			
494				5.2	589
+50				4.3	548
5				8.0	511
6				7.6	515
+40				5.5	536
+90				8.0	511
7				7.5	516
T.P.	2.70	1360.13	1.68		135743
+50				1.9	58.2
8				5.1	55.0
9				5.4	54.7
500				6.6	53.5
+20				8.3	51.8
+40				7.6	52.5
+80				8.5	51.6
1				7.3	52.8
+30				4.3	55.8
2				5.9	54.2
+40				6.9	53.2
3				1.2	58.9
T.P.	12.58	1372.28	0.43		135970
+40				9.2	63.1
4				7.8	64.5
+40				5.6	66.7

Point Dillmont

4.9 5.2
3.3 2.1 5.2 L
5.9 4.3 8.0
3.3 1.4 4.3 3.0 L
5.4 8.0
3.3 1.2 8.0 L
6.0 7.2
L 7.6 2.1 3.3
5.5 3.7
L 5.5 1.9 3.3
L 8.0 L
L 7.5 L

1.7 3.5 7.1
L 1.3 1.9 1.6 3.3
2.8 7.8
3.3 5.1 3.3
L 5.4 7.9 8.8
3.3 4.0 L
9.3 7.4 8.9
L 2.1 7 6.6 1.1 L
L 8.3 L
9.0 7.0 8.4
3.3 7 7.6 6 L
L 8.5 L
L 7.3 L
L 4.3 L
L 5.9 L
L 6.9 L
L 1.2 L

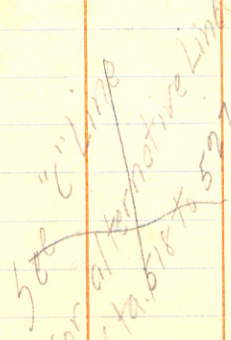
10.8 10.5
3.3 9.2 3.3
L 7.8 L
L 5.6 L

Sec. Line Line

Cont. from 24 Page Back.

			1372.28																
500+80					17.7	546							L	17.7	L				
1					16.1	562							L	16.1	L				
2					9.4	629							L	9.4		10.9			
																3.3			
3		40' "B" Line Revision Sta. 500			4.9	674						4.9	4.3			5.5			
												3.3	2.5	4.9		3.3			
4					7.7	646							11.1			6.0			
													3.3	7.7		3.3			
+50					9.1	632							11.7			8.0			
													3.3	9.1		3.3			
5					7.7	646							12.4			6.7			
													3.3	7.7		3.3			
6					12.8	595							16.4			9.9			
												L	3.1	12.8		3.3			
+75					12.2	601							L	12.2	L				
7					9.9	624							L	9.9	L				
+70					4.3	680							L	4.3		5.3			
																3.3			
T.P.		5.20	1373.35	4.13		1368.15													
																5.4			
8					4.6	688							L	4.6		3.3			
Bran Cap					3.92	1369.43													
9					4.4	679							L	4.4	L				
B.M.					4.21	1369.14	Sp. in 6" Oak 50' L 509+30												
510					12.3	611							L	12.3	L				
T.P.		0.91	1362.77	11.49		1361.86													
1					13.1	497							L	13.1	1				
T.P.		1.03	1351.77	12.03		1350.74													
+20					3.3	485							L	3.3	L				
2					4.4	474							3.6	4.4	L				
													3.3			7.6			
3					5.8	460							L	5.8		3.3			
+50					6.1	457							3.6			9.3			
													3.3	6.1		3.3			

		1351.77			
514				8.3	43.5
+20				8.5	43.3
#80				5.1	46.7
5	0.81		53.01	4.9	46.9
	0.30	12.26	135271		
6	11.42	2.03	0.30	5.4	46.4
	8.22	0.24			
+20	2.70	1.68		6.0	45.8
	12.58	0.43			
+40	5.20	4.13		8.3	42.5
	0.91	11.99			
7	1.03	12.03		10.3	41.5
	12.71	1.66			
+15	3.99	1.19		11.6	40.2
8	60.07	12.61		11.1	40.7
	59.77	59.77			
on Hub	0.30			11.87	1339.90
+80				11.3	40.5
9				9.7	42.1
T.P.	12.71	1362.82	1.66		1350.11
520				6.3	56.5
TP	3.99	1365.62	1.19		1361.63
1				2.9	62.7
+75				1.4	64.2
2				2.6	63.0
Brass Cap				2.68	1362.94
+50				7.7	57.9
3				11.7	53.9
4				14.6	51.0
T.P.			12.61		1353.01
BM.	(Cont. on 2d Page ahead)			7.06	1358.56



	7.3			
	33	8.3	L	
	7.2		10.2	
	33	8.5	3.3	
	L	5.1	9.1	
	4.5		8.2	
	3.3	4.9	33	
	L	5.4	L	
10.7	6.5			
33	14	6.0	L	
	10.7			
L	30	8.3	L	
L	11.3		8.3	
	9	10.3	2.6	
			10.3	8.7
	L	11.6	17	33
	L	11.1	L	
Temp. 37°.				
	9.9		12.4	L
	33	11.3	30	
	7.6		11.6	L
	3.3	9.7	23	
	5.7		6.7	8.4
	33	6.3	20	33
	2.1		5.4	
	33	2.9	33	
	(19+c)		5.8	
	33	1.4	33	
	0.6		7.3	
	33	2.6	33	
1/2 Cor.				
	L	7.7	L	
	L	11.7	L	
	L	14.6	L	

Sp in 12" oak. 40' R 522+20

"C" Line

Alternative Line Running around hill — R. of Sec. Line.

Hub.	12.15	1352.05			1339.90
519				11.7	40.3
520				1.9	50.1
+50				0.9	51.1
T.P.	0.25	1351.44	0.86		1351.19
1				2.3	49.1
+50				5.0	46.4
2				4.3	47.1
3				1.3	50.1
T.P.	2.36	1353.00	0.80		1350.64
4				3.8	49.2
+80				4.9	48.1
5				6.5	46.5
+65				10.5	42.5
6				15.4	37.6
		1330.31			
+50				6.4	23.9
7				7.2	23.1

Abandoned.

8.5
33 11.7 L
(5.3+c) 7.1
3.3 1.9 33
(6.6+c) 7.0
3.3 0.9 33

(7.7+c) 8.7
3.3 2.3 3.7
(6.4+c) 10.6
3.3 5.0 3.3
(5.0+c) 9.4
3.3 4.3 3.3
(3.1+c) 4.6
3.3 1.3 3.3

5.6
L 3.8 3.3
6.9 4.3
3.3 4.9 3.3
9.3 5.1
L 3.3 6.5 3.3
17.1 14.7 9.3
5.0 3.3 13.5 2.0 L
L 15.4 L

6.3 6.4 5.7
3.3 2.6 6.4 3.3
8.6
3.3 7.2 L

Sec Line

Cont. from 2d Page Back

T.P.	0.61	1353.62			1353.01
524+70				10.6	43.0
T.P.	0.43	1341.73	12.32		1341.30
5				4.1	37.6
+50				10.7	31.0
T.P.	0.71	1330.31	12.13		1329.60
6				4.6	25.7
+30				7.7	22.6
7				8.5	21.8
+30				8.9	21.4
+90				10.2	20.1
8				11.6	18.7
+20				13.1	17.2
9				11.3	19.0
+25				10.1	20.2
+60				12.7	17.6
530				12.5	17.8
1				12.5	17.8
2				12.5	17.8
+70				10.6	19.7
+85				3.5	26.8
3				0.9	29.4
TP	11.73	1341.46	0.58		1329.73
+35				10.7	30.8

Sec Line

12.7
33 10.6 L

7.1 1.5
33 4.1 33
13.6 6.9
33 10.7 33.

8.2 1.5
33 4.6 33
9.8 4.4
33 7.7 33
11.1 8.0
33 8.5 33
11.4 7.4
33 8.9 33
13.0 7.5
33 13.2 33
13.2 8.4
33 11.6 33
13.5 13.1 13.1 10.9
L 21 7 13.1 21 33
13.8 8.4
L 21 11.3 33
13.9 12.0
L 24 10.1 33
10.8 10.3 12.7
33 20 12 17.7 L
L 17.5 L
L 17.5 L
L 17.5 L
L 10.6 L
11.8 3.5 6.1
33 12 3.5 33
1.5 0.9 3.6
33 2.5 0.9 33

8.7 10.7
33 13 10.7 L

		1341.46			
533+75				7.1	344
4				8.4	333.1
+50				12.8	287
5				12.6	288.9
Brass Cap				10.95	1330.51
+15				11.2	303
+75				4.9	366
6				5.5	360
+15				6.0	355
+40				10.5	310
B.M.				5.95	1335.51
7				10.5	310
T.P.	8.65	1347.03	1.08		1340.38
+75				4.6	444
8	"D" Line —			5.9	431
+30	following Hogsback			8.0	410
9	around deephole - Left			6.5	425
+75	of Sec. Line.			3.4	456
540				5.0	440
T.P.	6.79	1350.84	4.98		1344.05
+35				9.6	412
1	Did not X section Sec. Line			4.2	466
+20	thru here but Elev. of			4.9	459
	swamp that I am going				
	around is 1316.2				

8.4
L 7.1 33
8.4 7.9 11.4
3.3 2.8 8.4 3.3
8.7
3.3 12.8 L
7.3 11.3
3.3 14 17.6 L

1/4 Corner
6.0 9.0 12.6
3.3 15 11.4 13 L
12.0 4.9 4.9 9.3
3.3 10 4.9 5 3.2
14.3 11.1 4.0 6.3
3.3 5.5 10 20 3.3
17.2 7.9
3.3 6.0 14 L
18.4 0.9
3.3 10.5 3.3

Sp. in 10" Pop. 6.0' L. 5.3 34+50
15.9 13.7 11
3.3 14 10.5 3.3

16.6 13.1 5.0 8.8
5.0 3.2 6 4.6 3.3

16.0 13.5 5.9 10.6
5.0 3.3 10 5.9 3.3
12.5 8.0 6.8 6.0 10.1 11.5
3.3 1.9 10 8.0 4 11 3.3
11.1 6.1 13.1 13.1
3.3 17 6.5 2.9 3.3
12.4 3.4 6.6 10.9
3.3 11 3.4 2.0 3.3
14.0 5.0 7.4 10.6
3.3 12 5.0 2.1 3.3

16.7 13.8 15.2
3.3 9.6 12.0 3.3
14.5 10.1 5.5 9.3 11.2
3.3 2.6 8 4.2 2.7 3.3
17.6 4.9 4.9 4.9 11.5
3.3 4 4 4 3.3

		1350.84			
541+50				3.5	42.3
2				9.8	41.0
+60				13.5	37.3
3				11.1	39.7
T.P.	12.50	1351.68	8.66		1342.18
4				6.8	47.9
+50	0.6		1353.01	4.5	50.2
	0.43	12.32	52.01		
5	0.71	12.13	1.00	6.3	48.4
	11.73	0.58			
+60	8.65	1.08		4.4	50.3
	6.79	4.98			
6	12.50	8.66		4.9	49.8
		2.67			
+40	41.42	42.42		6.8	47.9
		41.42			
+70		1.00		7.0	47.7
7				9.2	45.5
+15				11.0	43.7
+70				10.8	43.9
8				3.4	51.3
T.P.	9.62	1367.63	2.67		1353.01
+15				8.6	53.0
+70				11.8	49.8
✓ +85				11.5	50.1
9				9.9	51.7
+55				3.8	57.8
550				3.6	58.0
T.P.	11.11	1372.30	0.44		1361.19

Weather—
Snowed hard all day—windy—Cold.

Sat. Nov. 29, 1919
R.J.T. (J.B. in Camp)
C.J.B.
F.C.

27.5 8.2 17.9
33 85 13 33
19.4 9.8 15.4
33 8 9.8 33
16.1 12.4 18.5
33 9 13.6 33
9.9 10.3 12.4 13.8 16.1
33 16 11.1 8 25 33

(1316.2 El bot swamp on Rt.)

4.2 14.8
L 26 48 33
1.7 13.0
L 25 45 33
2.7 4.3 10.4 13.5
33 19 43 23 32
1.4 3.0 8.6 10.7
33 23 44 24 33
0.6 9.1 10.3
33 49 25 33
2.1 3.6 11.4
33 24 48 33
0.8 11.7
33 70 33
4.2 8.6 10.6
33 12 9.2 16 L
5.0 11.0
33 10 11.0 L
10.4 11.4 7.7
33 18 10.8 33
10.7 0.0
L 26 34 33

Top sta. 48 all fair Nov. 28
17.6 34
32 86 33
17.4 13.1 6.0
33 19 11.8 33
17.4 13.1 6.0
33 19 11.5 33
16.6 13.1 4.5
33 49 9.9 33
11.9 11.2 0.6
33 32 38 33
7.8 6.9 2.9
33 22 36 33

		137230											
550+50				8.8	63.5					11.2		7.2	
										33	8.8	21	L
1				6.7	65.6					L 6.7		8.7	
										L 1.6	6.7	20	L
+60				2.7	69.6					L	2.7	L	
2				3.7	68.6					L	3.7	L	
+20				5.4	66.9					6.1			
										3.3	5.4	L	
B.M.				3.45	1368.85	Sp. in 8" Pap. 50' L 552							
+50				10.7	61.6					L	10.7	L	
3				11.3	61.0					L	11.3	L	
"D" 553+32.5 =													
551+98.6													
552										10.7		4.6	
				10.7	62.1					L 4	10.7	26	L
T.P.	12.72	137667	8.35		1363.95								
										5.3		9.7	
+60				7.9	68.8					3.3	7.9	25	L
										0.1		3.3	9.6
3				5.4	71.3					3.3	5.4	18	29 L
										(7.2+L)		15.0	
+25				4.7	72.0					3.3	4.7	3.3	
										(6.9+L)		16.5	
+75				6.9	69.8					3.3	6.9	3.3	
										(7.8+L)		12.6	
4				5.0	71.7					3.3	5.0	3.3	
												6.4	
+50				1.4	75.3					L	1.4	3.3	
										4.3		8.8	
5				5.2	71.5					3.3	5.2	3.3	
												6.5	
+75				8.5	68.2					L	8.5	4.0	L
										7.6			
+85				8.2	68.5					L 1.3	8.2	L	
												8.2	
6				5.9	69.8					L	6.9	33	
T.P.	3.94	137465	5.96		1370.71								
												3.0	
+30				3.9	70.8					L	3.9	2.3	

		137465				
556+60				18	72.9	
7				23	71.4	
8				109	63.8	
9				83	66.4	
+50				60	68.7	
560				81	66.6	
T.P.	2.30	136936	759		1367.06	Iron Cor. Sec. Cor.
1				21	67.3	
2				52	64.2	
G.M.				2.58	1366.78	Sp. in 8" Pop. 60' L 562
3				98	59.6	
+30				120	57.4	
4				116	57.8	
T.P.	5.84	136430	1690		1358.44	
+85				83	56.0	
5	9.62		1352.01	114	52.9	
+15	11.31 / 12.72	6.44 / 8.35	1.89 / 0.13	106	53.7	
175	3.94 / 2.30	5.96 / 7.59		46	59.7	
6	5.84	10.90		60	58.3	
+35	43.53	12.39 / 45.13 / 43.52		71	57.2	
7		0.10		157	48.6	
Brass Cap				1239	1351.91	Allotment cor.
+98				43	60.0	
8				43	60.0	

Cor. Post Sec. 300'
Found Stone

								L	1.6	L							
											6.6						
								L	3.3		3.3						
						6.4	8.3				10.3	7.4					
						3.3	2.3	10.9			14.	3.3					
							4.7				13.5						
					L	2.9	8.3				3.3						
											11.0						
						L	6.0				3.3						
											7.4						
						L	8.1				3.3						
								L	2.1		L						
						4.8					6.0						
					L	2.0		5.7			3.3						
								12.5	11.4		8.4						
						3.3	2.5	9.8			3.1	L					
						16.2	13.1				10.3						
						3.3	1.4		12.0		3.3						
							13.9										
							3.3		11.6	L							
							7.1				10.9						
					L		1.1	8.3			3.3						
							L	11.4		L							
							L	10.6		L							
						6.8	4.6										
						3.3	1.0	4.6		L							
							9.4				4.6						
							3.3	6.0		2.4	L						
						11.3	8.5			6.4							
					L	2.8	1.0	7.1		1.4							
											15.7	12.2					
								L	15.7		1.6	3.3					
							4.6				9.2						
						7.3											
						3.3	1.5	4.3			3.3						
						7.3	4.6				9.2						
						3.3	1.5	4.3			3.3						

		136438			
T.P.	1.49	1361.18	461		1359.69
568+15				2.7	58.5
+80				10.2	51.0
T.P.	1.47	1350.22	1243		1348.75
9				5.6	43.6
~~7~~ +20				12.0	38.2
T.P.	6.33	1344.42	1213		1338.09
+10				9.1	35.3
570				10.9	33.5
+20				11.1	33.3
+30				9.1	35.3
1				8.3	36.1
+85				9.0	35.4
2				7.3	37.1
+40				4.1	40.3
+70				7.1	37.3
3				7.4	37.0
+30				9.6	34.8
Drain Cap				8.83	133559
4				8.6	35.8
+95				10.3	34.1
+75				7.9	36.5
5				8.5	35.9
T.P.	11.96	1349.47	694		1337.48

7.5	4.0		7.1	5.7	
33	12	2.7	12	33	
	14.5				
	33	13.2	L		
		~~4.6~~			
	8.2		4.0	2.4	
	33	5.6	2.6	3.3	
			9.0	6.0	
		L 13.2	2.7	33	
	9.8		6.6		
	13	9.1	3.3		
			10.9	10.6	
		L 10.9	12	33	
	8.3	L	11.1	13.1	
	33	13.1	9	33	
	6.2		13.7		
	33	9.1	3.3		
	4.1		13.9		
	33	8.3	33		
	7.4		13.3		
	L 12	9.0	33		
	5.2		11.6		
	L 2.5	7.3	33		
	17		9.2	10.5	
	33	4.1	2.8	33	
	2.7		12.5		
	33	7.1	33		
	2.3		14.8		
	33	7.4	33		
	4.4		17.0		
	33	9.6	33		
	2.4		15.7		
	33	8.6	33		
	6.3		14.3		
	L 2.9	10.3	33		
			11.8		
	L	7.9	2.2		
4.5	8.5		8.5	12.9	
33	19	8.5	5	33	

		1349.47			
5.75+20				12.6	36.8
T.P.	12.33	1361.08	0.74		1348.70
6				41	56.9
+45				33	57.7
+65				55	55.5
7				53	55.7
+70				81	52.9
8				83	52.7
+20				64	54.6
9				85	52.5
+45				77	53.3
5.80				97	51.3
T.P.	5.11	1357.09	9.05		1351.98
1				22	54.9
+45	1.49		1359.69	25	54.6
2	1.47	1.243	4.479	50	54.7
	6.33	1.213	14.90		
B.M.	11.96	6.94		399	1353.08
	12.33	0.74			
+40	5.11	9.05		96	47.5
3		12.30		105	46.6
	38.69	53.59			
4		38.69		112	46.1
		14.90			
+30				126	44.5
T.P.	0.85	1345.64	12.30		1344.79
+85				30	42.6
5				64	39.2

7.1	11.0					
33	15	17.6	L			
	3.6		9.5			
	33	41	33			
	2.6		4.9	7.5		
L	17	3.5	13.	30	L	
2.7	4.4		8.3			
33	12	3.5	33			
	1.0		8.9			
	33	5.3	33			
4.7	6.5					
33	17	8.1	L			
	6.1					
	33	8.3	L			
	L	6.2	L			
	7.6					
	33	8.5	L			
	L	7.7	L			
	L	9.7	L			
5.3	3.7					
33	11	2.0	L			
1.8	1.7		3.7	3.7		
33	2.6	1.5	1.6	33		
	L	3.4	6.1			
			2.1	L		
0.4	5.0	1.1	5.1	+80		
8.2	9.6		9.6	7.3		
33	2.0	9.6	1.7	33		
1.10	11.9		5.9			
33	1.3	1.5	33			
1.6	1.5.4		2.4			
33	2.5	1.0	0.5	L		
	10.6		8.4			
L	2.4	1.6	33			
	5.4		3.0	(36+4)		
L	4.0	3.0	8	33		
	7.5		0.3			
L	1.3	6.4	33			

		1345.67			
585+60				90	36.6
6				92	36.4
+90				11.6	34.0
Iron Cap			1110	1104	1334.60
7				123	33.3
T.P.	0.81	1333.67	1281		1332.83
+30				53	28.3
T.P.	0.14	1321.81	1195		1321.67
8				110	10.8
T.P.	0.76	1311.13	1144		1310.37
+50				37	07.9
9				37	07.4
+35				49	06.2
590				91	02.0
Temp.	Bri on E Side		1.5 ft		1302.38
T.P.	(138)	1200.25		1302.2	1298.89
+40				55	1294.8
+85				47	93.6
+90				10.0	9.03
1				10.3	90.0
+40		W	Bank	12.6	87.7
+45				14.4	85.9
		W.L.		14.35	85.93
+75				134	86.9

See 1110

1/4 Cor.

W. 09 Deep.

		1200.28			
592				132	1287.1
	677	1316.08			1309.37
+30				122	039
760		Abandoned.		97	064
3				61	10.0
B.M.				191	1314.17
	Turning point to get W.L. Leech Lake				
T.P.	1.98	1317.78	0.26		1315.80
T.P.	0.86	1306.07	12.57		1305.21
T.P.	0.33	1394.27	12.13		1293.94
Ice Leech Lake			9.17		1285.12

0.85
0.81
0.14
0.76
2.55

12.81
11.97
11.44
1.82
38.04
2.53
35.49

1344.79
0.31
35.48

677
1.98 026
0.86 12.57
0.33 12.13
9.94 9.17
34.13
9.94
24.19

130931
1285.12
24.19

L 132 L

Temp. 13.4.

138		10.6
33	122	33
10.7		8.7
32	97	33
73		51
33	61	33

Sp. in 7" oak 70' N.E. of 593+10

all for Nov. 29

(PM) Tue. Dec. 2. 1919

Weather — Clear — Darn cold.

P.J.T.
C.J.C. (J.B. in camp)
F.F.C.

(A.M. Taking Topog. Sta. 582 to 593)

B.M.	7.99	1322.16			1314.17
593 +60				8.8	13.4
594				8.5	13.7
+20				8.3	13.9
+70				4.6	17.6
5				4.7	17.5
6				6.9	15.3
T.P.	11.10	1327.22	6.04		1316.12
7				11.7	15.5
+40				10.7	16.5
8				7.1	20.1
+50				5.0	22.2
9				5.9	21.3
600				5.0	22.2
1				2.2	25.0
T.P.	3.33	1329.20	1.35		1325.87
+25				2.8	26.4
+30				3.8	25.4
+50				2.4	26.8
2				2.2	27.0
+30				4.1	25.1
+65				8.7	20.5
3				14.0	18.2
T.P.	0.88	1317.50	12.58		1316.62

Abandoned

"E" 591+69.4 =
598+48.9

	8.3		11.1	11.6
	3.3	8.8	3.3	5.0
	8.2		10.1	11.1
L	1.5	8.5	3.3	5.0
	9.4			
	3.3	8.3	L	
			6.6	6.6
	L	4.6	3.3	5.0
	6.0		5.8	6.4
	3.3	4.7	3.3	5.0
	8.0			
	3.3	6.9	L	
10.0	11.7			
3.3	9	11.7	L	
	11.9		9.5	
	3.3	10.7	3.3	
	7.7			
	3.3	7.1	L	
8.4	7.4		3.4	
5.0	3.3	5.0	3.3	
9.4	8.2		4.2	
5.0	3.3	5.9	3.3	
	7.0		3.4	2.2
	3.3	5.0	2.4	3.3
	6.5		(3.0+L)	
	3.3	2.2	3.3	
	7.2		0.8	
	3.3	2.8	3.3	
	8.1		1.5	
	3.3	3.8	3.3	
	7.4		0.6	
	3.3	2.4	3.3	
	5.4		4.4	
	3.3	2.2	3.3	
			9.1	
	L	4.1	3.3	
5.4	6.7		12.3	
3.3	1.6	8.7	3.3	
	7.3		~~8.4~~	13.3
	3.3	11.0	~~3.3~~	2.2 L

		1317.50			
603	(Find	Two Stas. 603)		3.9	13.6
4				8.2	09.3
+50				10.7	06.8
5				11.1	06.4
6				10.3	07.2
T.P.	591	1312.63	10.18		1307.32
7				5.3	07.3
8				4.5	08.1
9				5.7	06.9
+85				7.1	05.5
610				6.1	06.5
+25				4.6	08.0
1				3.5	09.1
+60				.25	10.1
T.P.	598	1315.66	2.95		1309.68
2				7.4	08.3
3				5.1	10.6
4				4.7	11.0
5				4.4	11.3
6				4.7	11.0
7				5.0	10.7
8				6.5	09.2
9				6.8	08.9
620				7.3	08.4

1.0 7.6
3.3 3.9 3.3
4.5 9.4 10.6
3.3 8.2 10 3.3
6.1
3.3 10.7 L
7.5 11.1
3.3 5 11.1 4
10.9 9.7 11.4
3.3 7.9 10.3 21 L

3.3
3.3 5.3 L
6.6
L 4.5 3.3
9.6 7.1
3.3 5.7 3.3
10.7 6.3 9.8
3.3 7.1 13 3.3
9.5 5.7 9.4
3.3 6.1 14 3.3
7.8 5.4 8.0
3.3 4.6 18 3.3
5.2 7.6
L 3.5 21 3.3
5.4 10.1
3.3 2.5 3.3

9.5 7.4 17.4
3.3 L 7.4 3.3
12.1 4.6
3.3 5.1 10 L
6.7
3.3 4.7 L
6.0
3.3 4.4 L
L 4.7 L

L 5.0 L
9.6 6.5
3.3 1.5 6.5 L
10.2 7.2
3.3 2.3 6.8 L
11.9 8.3
3.3 9 1.3 L

		1315.64			
620+50				8.1	07.6
1				7.3	08.4
T.P.	3.56	1312.76	6.46		1309.20
B.M.				1.86	1310.90
2				5.2	07.6
T.P.	1.27	1301.89	12.14		1300.62
+45				6.6	1295.3
3				8.8	93.1
4				8.8	93.1
5				12.4	89.5
6				12.5	89.4
7				11.8	90.1
T.P.	4.33	1295.44	10.78		1291.11
8				11.6	90.8
9				5.4	90.0
630				11.9	90.5
1				4.6	90.8
Old CC				10.23	1285.24
T.P.	3.41	1293.98	4.87		1290.57
Branch pr				1.99	1291.99

	7.99	6.04	
	11.10	1.35	
	3.33	12.58	
	0.82	10.17	
	3.31	2.95	
	6.98	6.46	
6934	3.56	12.14	
471	1.27	10.78	
22.18	4.33	4.87	
	3.41	~~1.99~~	
	47.16	69.34	

1314.17	
1291.99	
22.18	

12.4
3.3 8.1 L
11.6 9.6
3.3 2.3 7.3 L

Sp. in 17" Oak 60' R 621+50
15.6 4.7
3.3 5.2 12 L

L 6.6 L
L 8.8 L
6.8
L 8.8 23 L
L 12.4 L
13.0 11.3 13.9
3.3 13 12.5 8 L
14.2 13.9
3.3 11.8 15 L

7.6 7.7 4.6 7.2
3.3 7.7 4.6 2.5 2.5 L
7.5 5.4 7.2
3.3 5.4 12 2.5 L
7.3 5.7 4.9 6.4 7.2
3.3 1.9 5.2 4.9 1.3 3.3 L
7.2 5.6 4.6 4.6 6.7
3.3 2.0 9 4.6 6 1.8 L

on hub
Rt. C. Center Sec. 9

old for Dec. 2

"E" Line

B.C.	1.86	1336.46			1334.60
582				1.3	35.2
+20				~~2.8~~	33.7
587				3.6	32.9
+80				7.8	28.7
8				11.2	25.3
T.P.	0.56	1325.36	11.66		1324.80
+45				4.2	21.2
9				5.6	19.8
+75				4.7	20.5
590				3.3	22.1
+20				3.1	22.3
+50				4.0	5214
1				11.4	14.0
T.P.	0.44	1313.65	12.15		1313.21
+40				2.6	11.1
2				14.1	12.996
+20				18.0	95.7
+35				23.4	90.1
~~+54~~	~~Edge of creek.~~			~~26.1~~	~~1288.5~~
~~+99~~	"	"	"	~~45~~	
T.P.				1.79	1312.36
T.P.	0.63	1301.92		12.36	1301.29
		W.L.		1.49	87.0
				~~1.57~~	~~86.2~~

Sat. Dec. 6, 1919 P.M.

R.J.T.
C.J.B.
A.R.P.
J.B.

14 Cor.

			0.2	1.3		1.3	(3.0 +c)	
			33.	22	1.3	17	33	
				0.2		2.8	(3.6 +c)	
				33	2.8	14	33	
			2.8	2.5				
			33	22	3.6	L		
				16.3		2.8		
				33	7.8	33		
				19.7		3.6		
				33	11.2	33		
				10.0		(8.6 +c)		
				33	4.2	33		
		9.3	9.7	7.1		(8.6 +c)		
		33	30	10	5.6	33		
			3.3	4.9		4.2	(6.0 +c)	
	L		2.9	12	4.9	10	33	
				2.7				
		L		12	- 33.	L		
				1.1		3.1	7.6	
		L		13	3.1	7	33	
				2.3		1.03		
		L		17	4.0	33		
	10.0	9.3		10.7		13.7		
	33	26		10	11.4	20	L	
						3.9		
				L	2.6	18	L	
	16.2	15.7		14.1				
	50	33		16	14.1	L		
		19.9		18.0				
		33		71	18.0	L		
				L	23.6	L		

W. Bank

"E" Line

		1301.92			
592+54	edge	(-52) 1' W. 2' gravel - 1' clay to hard pan.		14.5	87.4
+64				15.9	86.0
+79	edge	1' muck - 1' gravel - 4' muck to hardpan.		14.5	87.4
3	1.0 muck	3' Sand & gravel 2' clay to hard pan.		13.3	88.6
+20				12.6	89.3
+50				5.7	96.2
+70				3.7	98.2
	8.4	1309.7			1301.29
4				5.4	04.3
T.P.	5.56	1317.92			1312.36
+50				6.2	11.7
5				4.9	13.0
+65				4.5	13.4
6				1.7	16.2
T.P.	9.64	1327.31	0.25		1317.67
7				6.4	20.9
				1.04	1316.27
				1.16	+5.7

612+85 — 67' L to M.C. on Sec. Line between 8 & 9

W.L.
Bot. Muck.
W.L.

L	14.5	L		
L	14.5	14.9	15.9	
L	13.3	20	30	
L	12.6	18	28	
L	5.7	L		
L	3.7	L		
4.1				
3.3	5.4	L		
L	6.2	L		
3.6		5.9		
3.3	4.9	2.3	L	
3.0				
3.3	4.5	L		
2.3				
2.4	1.7	L		
8.3		5.8		
3.3	6.4	3.3		

(Sta 46 24 line)

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½.

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	25.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9 + (20—16) ÷ 2 or 2 ft. added to 41.9 = 43.9. For slopes of 1 on 1 see inside of front cover.