

ST. MARK'S CAMP
SOUTH PIKE BAY

ST. MARK'S CAMP
PIKE BAY

DIETZGEN
MINING

MINING
TRANSIT BOOK

No. 497F

CCC

78

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and
SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	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 30.6. 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 $30.6 + (20 - 16) \div 2$ or 2 ft. added to $30.6 = 32.6$. For slopes of 1 on $1\frac{1}{2}$ see inside of back cover.

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*Return to:-
U. S. Forest Ranger
Walker, Minn.*

The paper stock of this book is made of a high grade 50% rag paper having a water resisting surface and is sewed with Bing Special Enamel Waterproof Thread.

Made in U. S. A.

INDEX

St. Marks Uses - Topog. Survey

Page
1-

1.

Elev.

~~29.2~~
~~26.5~~

~~25.7~~
~~23.2~~

~~31.6~~
~~19.1~~

~~30.7~~
~~18.2~~

~~31.4~~
~~18.9~~
~~1.3~~
~~18.8~~

~~10.2~~
~~7.7~~

~~7.7~~
~~4.2~~

~~5.5~~
~~2.9~~

line "0" - Running South.

Topographic Survey - St. Marks Camp

Sta	+	HI	T.P.	-	Elev.
B.M.	10.54	1300.54			1307.5 +290.0 1303.9 1091.4 1306.4 +193.4 1317.67
0+00				9.1	1300.17 1323.24
0+46				6.6	1310.74 1333.73 1321.23
T.P.	11.75	1311.92	0.37		1335.6
T.P.	11.13	1321.87	1.18		1323.1 1337.0
T.P.	6.90	1328.13	0.64		1324.5
1 S				5.0	
1+10				3.6	
1+20					
1+70					1333.4
2 S				7.2	1340.9
2 S					1333.64
T.P.	6.73	1327.87	6.99		1321.14
2+50					1335.70
3 S				4.7	1323.2
3 S					
3+50					1332.1
4 S				8.3	1319.6 1331.99
T.P.	3.30	1322.79	8.38		1319.49 1331.3
4+50				4.0	1318.8
4+50					1330.5
5 S				4.8	1318.0
5 S					
5+50				7.2	1328.1 1315.6
5+50					1326.8
6+0				8.5	1317.3

Steadland II

April 27, 1939

Ghinter
Ott
Fradet

1.

Lake Level of Pike Bay (Assumed)

Sta 0 on beach - 8' South of Waters edge

	L	R	Elev.
NOTE: -			
Add 12.50 ft. to Assumed	20'	1.6	1339.0 1326.5
Elevations to convert to	30'	4.9	1335.7 1323.2
True elevations as per			
U.S.E.B.M. #345.			
			1331.6 1319.1
	50'	9.0	
			1330.7 1318.2
	50'	9.7	
			1331.4 1318.9
	50 -	9.0	
			1331.3 1318.8
	50 -	9.1	
Hub at 48			
	50 -	5.1	1330.2 1317.7
			1328.7 1315.2
	50	7.6	
			1325.5 1313.0
	50 -	9.8	

Line "IW" Running South

St Marks Camp

Sta	+ HI	- T.P.	±	Elev.
B.M.	10.76	1300.76		1302.50 1290.0 1304.0
0+00			9.3	1291.5 1305.3
0+34			8.0	1292.8 1312.06
T.P.	10.98	1310.54	1.20	1299.56 1322.35
T.P.	10.64	1320.49	0.69	1309.85 1322.4
0+70			10.6	1309.7 1323.4
1+0			4.6	1315.7
1+0				
1+0				
1+30			1.8	1331.2 1318.7
1+30				
1+30				
1+60			2.7	1330.3 1317.8
1+60				
2+0			6.4	1326.6 1314.1
T.P.	7.23	1321.47	6.25	1314.24
2.5				
2+50			6.9	1327.1 1314.6
3.5			4.5	1329.5 1317.0
3+50			2.9	1331.1 1318.6
4.5			2.4	1331.6 1319.1
T.P.	1.02	1340.22	2.27	1331.70 1319.20
4+50			3.6	1329.1 1316.6
5+0			6.2	1326.5 1314.0
6+0			9.1	1323.6 1311.1
6+0				

Steadland X

Ghirler
Of
Pradet

4-27-39

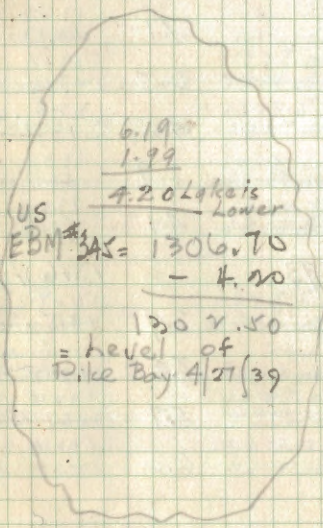
2.

Lake level of Pike Bay (Assumed)

20' South of Water's edge

R

30'	0.00 ±	1333.0 1320.5	
50'	0.00	1333.0 1320.5	
10'	- 2.8	1330.2 1317.7	
50'	- 1.0	1334.0 1321.5	
50'	0.0	1333.0 1320.5	
50'	8.7	1325.3 1312.8	
50'	7.1	1326.9 1314.4	
50'	4.5	1329.5 1317.0	
50'	1.9	1332.1 1319.6	
50'	2.7	1331.3 1318.8	
50'	3.7	1329.0 1316.5	



Line "2W" Running South

Topographic Survey - St. Marks Camp

Sta.	H.I.			Elev.
B.M.	11.01	1301.01		1307.5 +296.0
0+2W			8.6	1304.9 +292.4
0+12			7.6	1305.9 +293.4
T.P.	11.20	1311.50	0.71	1300.30
T.P.	11.15	1322.19	0.46	1311.04
0+70			1.8	1322.9 +320.4
15			2.7	1322.0 +319.5
T.P.	3.70	1323.33	2.56	1319.63
15				
1+50			7.7	1328.1 +315.6
25			9.9	1325.9 +313.4
T.P.	7.03	1320.66	9.70	1313.63
2+25			7.1	1326.1 +313.6
2+50			6.5	1326.9 +314.2
35			4.6	1328.6 +316.1
3+50			2.9	1330.3 +317.8
45			4.1	1329.1 +316.6
T.P.	1.18	1317.91	3.93	1316.73
4+50			2.9	1327.0 +315.0
55			5.0	1325.4 +312.9
5+50			5.7	1324.7 +312.4
65			6.0	1324.4 +311.9

Steadland R
Shutter
off
Fraded

4.27-39

3.

Lake level of Pike Bay (Assumed)

Stake 42' So. of water's edge

40' - 4.5 =	1330.2 +317.7	50' - 1.0 =	1333.7 +321.2
36' - 2.6 =	1333.2 +320.7	50' - 2.4 =	1333.4 +320.9
50' - 4.6 =	1331.2 +318.7	50' - 3.2 =	1332.6 +320.1
50' - 10.7 =	1325.1 +312.6	18" 9.2 =	+314.1 1326.6
		50' - 2.4 =	+320.9 1333.4
		68" - .5 =	+322.4 1335.3
		30' - 6.6 =	+314.1 1326.6
		50' - 1.5 =	+319.2 1331.7
50' - 6.2 =	1327.0 +314.5	25' - 6.0 =	+314.7 1327.2
50' - 3.7 =	1329.5 +317.0	50' - 1.8 =	+318.9 1331.4
50' - 1.1 =	1332.1 +319.6	50' - 3.9 =	+316.8 1329.3
50' - 2.3 =	1330.9 +318.4	50' - 5.9 =	+311.8 1327.3
50' - 1.9 =	1328.5 +316.0	50' - 5.4 =	+311.5 1325.0
50' - 4.3 =	1326.1 +313.6	50' - 5.5 =	+311.4 1324.9
50' - 5.4 =	1325.0 +312.5	50' - 5.8 =	+311.1 1324.6
50' - 6.1 =	1324.3 +311.8	50' - 6.1 =	+311.8 1324.3

Line 3W Running South

St. Marks Camp

T.P.

Sta.	H.I.	T.P.	±	
B.M.	11.69	1301.69		1307.50 1290.0 1306.0
0+3W			8.2	1293.5 1306.6
0+06			7.6	1294.1
T.P.	10.94	1312.16	0.47	1301.22
T.P.	6.27	1317.75	0.68	1311.48 1322.1
0+37			8.2	1309.6 1327.5
15			2.8	1315.0
T.P.	7.76	1323.85	1.66	1316.09 1329.1
1+50			7.2	1316.6 1335.0
25			1.3	1322.5
T.P.	4.23	1327.04	1.04	1322.81 1335.5
2+50			4.0	1323.0 1337.0
2+35			3.5	1324.5 1330.8
35			8.7	1318.3
T.P.	0.15	1318.67	8.52	1318.52 1326.1
3+50			4.9	1313.6 1324.6
45			6.6	1312.1 1324.1
4+50			7.1	1311.6
T.P.	4.66	1316.40	6.93	1311.74 1324.4
50			4.5	1311.9 1323.1
5+50			5.8	1310.6
65			4.8	1324.1 1311.0

Steadland X

Ghinter
Off
Fradet

4.27-39

4.

Lake level of Pike Bay (Assumed)

Stake is 70' S of waters edge

L

R

40 -	11.2 =	1306.6	1319.1
50 -	5.2 =	1312.6	1325.1
50 -	3.8 =	1320.0	1337.5
25 -	8.3 =	1315.6	1328.1
50 -	7.7 =	1316.2	1328.7
50 -	3.1 =	1322.8	1333.3
20 -	3.8 =	1323.7	1335.7
20 -	2.2 =	1324.8	1337.3
30 -	3.4 =	1323.6	1336.1
50 -	6.1 =	1320.9	1333.4
50 -	9.2 =	1319.8	1330.3
50 -	5.4 =	1313.3	1325.8
50 -	7.4 =	1311.3	1323.8
50 -	6.7 =	1312.0	1324.5
50 -	5.1 =	1311.0	1323.8
50 -	5.8 =	1310.6	1323.1
50 -	5.2 =	1311.2	1323.7

Line "4W" Running South

St. Marks Camp

Sta	+ H.I.	T.P.	±	Elev.
B.M.	11.87	1314.37		1302.50
N.K. of 05-4W			8.6	1305.8
T.P.	11.28	1326.01	0.14	1314.73
0+15			2.7	1323.3
T.P.	11.36	1337.15	0.22	1325.79
0+35			—	
0+57			2.5	1334.7
154W			3.6	1333.6
T.P.	4.10	1337.69	3.56	1333.59
154W				
T.P.	7.54	1338.99	6.24	1331.45
1+50			7.9	1331.1
2+0			3.2	1335.8
2+50			7.4	1331.6
T.P.	1.07	1337.85	7.21	1331.78
35			5.1	1327.8
3+50			6.8	1326.1
49			8.4	1324.5
T.P.	3.96	1328.64	8.17	1324.68
4+50			4.7	1323.9
55			4.8	1323.8
5+50			4.8	1323.8
T.P.	3.35	1328.70	3.29	1325.35
65			4.2	1324.5

Steadland

Ghinter
Ott
Fradet

April 28-1939

5.

True elevation of Pike Bay

Pt. 15' N. of St. 4WOS

50' - 8.0 - 1318.0 50' - 1.1 - 1324.9

75' -	11.6 -	1325.6	75' -	3.8 -	1333.4
50' -	15.8 -	1321.4	50' -	4.9 -	1332.3
20' -	11.0 -	1326.2	12' -	.2 -	1337.0
45' -	15.8 -	1321.4	39' -	1.8 -	1335.4

NE cor. of
side.
NW corner

30' -	11.5 -	1326.2	15' -	7.5 -	1335.2
50' -	10.1 -	1327.6	50' -	3.3 -	1334.4

25' - 9.4 - 1329.6 40' - 6.9 - 1332.1

50' - 8.3 - 1330.7

50' - 10.0 - 1329.0

50' - 6.5 - 1326.4

50' - 7.2 - 1325.7

50' - 9.2 - 1323.7

50' - 4.9 - 1323.7

50' - 4.9 - 1323.7

50' - 5.0 - 1323.6

50' - 4.8 - 1323.9

Line "5W" Running South

St. Marks Camp

T.P.

E

Elev.

Sta.	+ H.I.	T.P.	E	Elev.
B.M.	11.34	1313.84	-	1302.50
			8.6	1305.2
			8.8	1305.0
T.P.	11.36	1315.15	0.05	1313.79
055W			6.6	1318.6
T.P.	10.15	1334.45	0.85	1324.30
047S			7.6	1326.9
0450			4.8	1329.7
1S			4.7	1329.8
T.P.	3.05	1332.75	4.75	1329.70
1+50			3.2	1329.6
2S			4.5	1328.3
2+50			5.0	1327.8
3S			7.3	1325.5
T.P.	2.31	1327.93	7.13	1325.62
3+50			3.8	1324.1
4S			4.4	1323.5
4+50			5.4	1322.5
T.P.	4.49	1327.46	4.96	1322.97
5+0			4.4	1323.1
5+50			4.7	1322.8
6+0			4.4	1323.1
6+45.7	N ¹ / ₂ corner #4 = N ¹ / ₂ S36			

Steadland T

Shifter
at
Fradet

4-28-39

6.

Elevation of Pike Bay.

Pt. 67 N. of "055W" Waters edge is 75' N. of 055W

" 30' N " 055W

L

R

50' - 9.0 = 1316.2

50' - 4.0 = 1321.2

75' - 8.4 = 1326.0

50' - 7.4 = 1327.0

75' - 3.8 = 1330.6

50' - 7.2 = 1327.2

50' - 1.6 = 1332.8

50' - 7.8 = 1326.6

50' - 5.1 = 1327.7

50' - 4.9 = 1327.8

50' - 5.8 = 1327.0

50' - 8.1 = 1324.7

50' - 4.9 = 1323.0

50' - 5.4 = 1322.5

50' - 5.5 = 1322.4

50' - 4.5 = 1323.0

50' - 4.8 = 1322.7

50' - 4.4 = 1323.1

Line "6W" Running South

St. Marks Camp.

T.P.

Sta	T	H.I.	T.P.	±	Elev.
B.M.	10.93	1313.43			1302.50
				8.9	1304.5
				8.0	1305.4
T.P.	10.82	1324.06	0.19		1313.74
T.P.	7.55	1331.14	0.47		1323.59
0+50				7.0	1324.1
1+50				4.4	1326.7
1S				4.2	1326.9
T.P.	3.55	1330.00	4.69		1326.45
1+50				3.7	1326.3
2S				3.7	1326.3
2+50				5.2	1324.8
T.P.	3.44	1327.06	6.38		1323.62
3S				3.8	1323.3
3+50				4.2	1322.9
4S				4.7	1322.4
4+50				4.6	1322.5
5S				4.5	1322.6
T.P.	4.20	1327.03	4.23		1322.83
5+50				4.70	1322.3
6S				4.5	1322.5

Steadland K

Ghinter
Off
Prodet4-28-39
"Hitler's Day"

7

Elevation of Pike Bay - Water's edge is 78' N. of 056W

Pt. 72 N. of 056W

" 39' N. " "

L

R

50' - 4.8' = 1326.3

50' - 4.2 = 1326.9

50' - 4.9 = 1326.2

50' - 4.9 = 1325.1

50' - 5.3 = 1324.7

50' - 7.2 = 1322.8

50' - 4.2 = 1322.9

50' - 4.4 = 1322.7

50' - 4.9 = 1322.2

50' - 4.6 = 1322.5

50' - 4.6 = 1322.5

50' - 4.5 = 1322.5

50' - 4.5 = 1322.5

Line TW Running South
St. Marks Camp

Sta.	T	H.I.	T.P.	±	Elev.
B.M.	11.36	1313.86			1302.50
				9.3	1304.6
				8.0	1305.9
T.P.	11.32	1324.89	0.29		1313.57
T.P.	6.14	1330.57	0.46		1324.45
				7.0	1323.6
057W				4.8	1325.8
0+50				5.8	1324.8
15				7.2	1323.4
T.P.	4.62	1327.36	7.83		1322.74
1+50				4.9	1322.5
25				4.2	1323.2
T.P.	4.40	1327.46	4.30		1323.06
2+50				4.8	1322.9
35				4.4	1323.1
3+50				4.6	1322.9
45				5.0	1322.5
4+50				4.9	1322.6
55				5.1	1322.4
T.P.	4.50	1327.11	4.85		1322.61
5+50				4.9	1322.2
65				4.6	1322.5

Headland K
Chinier
Off
Frodit

4-28-39

8

Elevation of Ake Bay - water's edge is 85' N of "087W"

79' N of "057W"

74.5' N of "057W"

L

R

74.15' N of "057W"

50' - 8.0 =	1322.6
50' - 3.8 =	1326.8
50' - 4.9 =	1325.7
50' - 6.7 =	1323.9
50' - 7.6 =	1323.0
50' - 4.6 =	1322.8
50' - 4.4 =	1323.0
50' - 4.2 =	1323.3
50' - 4.2 =	1323.3
50' - 4.3 =	1323.2
50' - 4.9 =	1322.6
50' - 5.2 =	1322.3
50' - 5.7 =	1321.8
50' - 4.7 =	1322.4
50' - 4.5 =	1322.6

Line "8W" Running South

St. Marks Camp

T.P.

±

Elev.

Sta	T	H.I.	T.P.	±	Elev.
B.M.	10.87	1313.37			1302.50
				9.2	1304.2
				4.0	1309.4
T.P.	11.02	1323.43	0.96		1317.41
T.P.	6.06	1328.53	0.96		1322.47
				6.4	1322.1
				-	
058W				4.4	1324.1
0+50				4.7	1323.8
T.P.	4.65	1330.93	7.28		1326.98
15				?	
1+50				4.8	1326.1
T.P.	2.88	1328.58	5.23		1325.70
25				4.4	1324.2
2+50				4.7	1323.9
35				4.7	1323.9
T.P.	4.01	1328.37	4.22		1324.36
3+50				4.5	1323.9
45				4.8	1323.6
4+50				5.0	1323.4
55				5.9	1322.5
T.P.	3.90	1326.58	5.69		1322.68
5+50				4.8	1321.8
65				4.7	1321.9

Steadland K

4.28-39

9.

Ginter
off
Fradet

Elev. of Pike Bay ← Water's edge is 85' N. of "058W"

74.65' N. of "058W"

" 60' - " "

L.

R

Pt. 20' N. of "058W"

50 - 4.2 = 1324.3

Pt. 10' N. of "058W"

35 - 6.9 = 1321.6

47 - 10.0 = 1318.5

59 - 8.0 = 1320.5

47 - 6.1 = 1322.4

50 - 3.7 = 1325.3

50 - 6.0 = 1322.5

35 - 4.8 = 1323.7

25 - 5.6 = 1325.3

35 - 6.1 = 1324.8

30 - 6.0 = 1324.9

50 - 3.8 = 1324.8

50 - 3.8 = 1324.8

50 - 2.8 = 1325.8

Hub at 35

50 - 2.6 = 1325.8

50 - 2.8 = 1325.6

50 - 2.8 = 1325.6

50 - 4.5 = 1323.9

50 - 3.6 = 1323.0

50 - 3.9 = 1322.7

Line 9W "Running South

St. Marks Camp

Sta	+	H.I.	T.P.	±	Elev.
B.M.	10.36	1312.86			1302.50
				9.1	1303.8
T.P.	10.55	1312.88	0.53		1312.33
				9.2	1313.7
				6.3	1316.6
059W				2.4	1320.5
T.P.	6.20	1328.24	0.84		1322.04
0+50				5.3	1322.9
15				4.1	1324.1
1+50				4.4	1323.8
T.P.	6.07	1330.13	4.18		1324.06
25				6.3	1323.8
2+50				4.8	1325.3
35				4.5	1325.6
T.P.	3.76	1330.86	3.03		1327.10
3+50				4.0	1326.9
45				4.3	1326.6
4+50				4.7	1326.2
5+50				5.1	1325.8
T.P.	1.51	1327.62	4.75		1326.11
5+50				3.6	1324.0
6.5				4.6	1323.0

4.3

Stadlandt
Fradet
Ott

May 1, 1939

10

Elev. of Pike Bay & Waters edge is 88' N. of 059W

Pt 73' N. of 059W

R

Pt edge bank 59' N. of 059W

Pt 50' N. of 059W

L

-50' - 6.7 = 1316.2

50 - 4.1 = 1318.8

50 - 6.0 = 1322.2

50 - 5.8 = 1322.4

50 - 4.1 = 1324.1

50 - 6.3 = 1323.8

50 - 5.4 = 1324.7

50 - 4.3 = 1325.8

50 - 3.6 = 1327.3

50 - 3.7 = 1327.2

50 - 4.3 = 1326.6

50 - 4.6 = 1326.3

50 - 2.3 = 1325.3

50 - 3.3 = 1324.3

1.23

Line 10W. Running South

St. Marks Uses

Sta	+ H.I.	TP	±	Elev.
B.M.	9.59	1317.09		1302.50
			8.1	1304.0
			2.3	1309.8
T.P.	10.37	1321.69	0.77	1311.32
			6.6	1315.4
OS 10W			4.2	1317.5
T.P.	5.66	1326.37	0.98	1320.71
0+50			5.8	1320.6
15			4.3	1322.1
1+50			2.6	1323.6
25			2.6	1323.8
T.P.	6.38	1330.35	2.40	1323.97
2+50			5.5	1324.9
35			4.6	1325.8
3+50			3.3	1327.1
45			3.0	1327.4
T.P.	2.94	1330.37	2.92	1327.43
4+50			4.1	1326.3
55			4.7	1325.7
5+50			5.2	1325.2
65			4.2	1326.3

Steadland R
off
Fradet

May 1, 1939

11

Elev. of Pike Bay - Waters edge is 90' N. of OS 10W
Pt. 25' N. of OS 10W
Pt. 65' N. of OS 10W

R

Pt. 50' N. of OS 10W

50 - 5.8 = 1315.9

50 - 5.3 = 1316.4

50 - 7.4 = 1319.0

50 - 7.0 = 1319.4

50 - 5.4 = 1321.0

50 - 3.7 = 1322.7

50 - 6.0 = 1324.4

50 - 5.7 = 1324.7

50 - 4.3 = 1326.1

50 - 3.2 = 1327.2

50 - 5.2 = 1325.2

50 - 6.9 = 1323.5

50 - 6.2 = 1324.2

50 - 5.5 = 1324.9

R 15' W
N 65' W
OS 10W

Line 11W Running South

St. Marks Uses

Sta	+	H.I	T.P.	±	Elev
B.M.	10.41	1312.91			1302.50
				8.9	1304.0
				4.3	1308.6
T.P.	6.70	1319.45	0.16		1312.75
				4.5	1315.0
				2.8	1316.7
				3	
OS 11W				4.6	1314.9
0+50				4.7	1314.8
T.P.	7.55	1323.76	3.24		1316.21
15				7.7	1316.1
1+50				4.7	1319.4
25				2.9	1320.9
T.P.	6.20	1327.95	2.01		1321.75
2+50				6.4	1321.6
35				5.7	1322.3
3+50				4.0	1324.0
4+0				2.5	1325.5
T.P.	2.30	1328.07	2.18		1325.97
4+50				3.4	1324.7
55				4.7	1323.4
5+50				6.5	1321.6
65				7.0	1321.1

Steadland
Fradet
off

May 1939

12

Elev of Pike Bay - Waters edge 1395' N. of OS 11W

Pt. 83' N. of OS 11W

Pt. 80' N. " "

Pt. 62' N. of OS 11W

" 50' " " "

$$\left. \begin{array}{l} 25 - 3.3 = 1316.2 \\ 50 - 1.6 = 1317.9 \\ 62 - 1.3 = 1318.2 \end{array} \right\}$$

$$50 - 5.3 = 1314.2$$

$$50 - 6.2 = 1313.3$$

$$50 - 9.7 = 1314.1$$

$$50 - 7.4 = 1316.4$$

$$50 - 5.6 = 1318.2$$

$$50 - 8.5 = 1319.5$$

$$50 - 7.7 = 1320.3$$

$$50 - 6.8 = 1321.2$$

$$50 - 4.6 = 1323.4$$

$$50 - 4.7 = 1323.4$$

$$50 - 7.0 = 1321.1$$

$$50 - 8.4 = 1319.7$$

$$50 - 11.3 = 1316.8$$

Line 12W Running South

St. Marks Uses

Sta.	+	H.I	T.P.	E	Elev.
B.M.	10.62	1313.12			1302.50
				9.1	1304.0
				2.7	1310.4
T.P.	10.55	1323.44	0.23		1312.89
50' N. of 0512W				10.2	1313.2
20' N. of 0512W				3.3	1320.4
05-12W				2.7	1320.7
0+25				1.3	1322.1
0+50				3.8	1319.6
T.P.	7.41	1327.13	3.72		1319.72
15				9.8	1317.3
1+50				9.8	1317.3
25				9.4	1317.7
T.P.	5.86	1323.75	9.24		1317.89
2+50				5.5	1318.3
35				4.6	1319.2
3+50				4.4	1319.4
45				3.1	1320.7
T.P.	1.50	1322.53	2.72		1321.03
4+50				2.2	1320.3
55	4.74			4.6	1317.9
5+50				6.5	1316.0
65				8.9	1313.6

Steadland 7

Fradet
off

May 1, 1939

13

Elev. of Pike Bay - Waters edge is 100' N. of 0512W

Pt. 80' N. of 0512W

" 73' N. " "

R

L

25-10.5 =	1312.9
50-8.1 =	1315.3
65-7.8 =	1315.6
73-5.3 =	1318.1
12-7.5 =	1315.9
25-8.4 =	1315.0
50-6.4 =	1317.0
59-3.9 =	1319.5
17-6.0 =	1317.4
42-5.7 =	1317.7
50-3.3 =	1320.1

~~50-10.7 = 1312.7~~
~~25-8.0 = 1315.4~~

50-4.0 = 1323.1

50-6.2 = 1320.9

50-9.7 = 1317.4

50-6.4 = 1317.4

50-6.0 = 1317.8

50-5.8 = 1318.0

50-4.9 = 1318.9

50-5.3 = 1317.2

50 7.2 = 1315.3

50 9.9 = 1312.6

50-12.0 = 1310.5

Line 13W - Running South

Sta. Marks Uses

Sta	+	H.I.	T.P.	±	Elev.
B.M.	11.22	1314.37			1302.50
				10.2	1304.1
T.P.	9.55	1323.36	0.51		1313.81
				7.5	1315.9
				4.5	1318.9
0513W				1.8	1321.6
T.P.	6.30	1328.16	1.50		1321.86
0+50				4.6	1323.6
15				4.6	1323.6
1+50				9.8	1319.4
25				10.8	1317.4
T.P.	5.34	1321.89	11.63		1316.55
2+50				5.6	1316.3
35				4.9	1317.0
3+50				4.4	1317.5
45				5.0	1316.9
T.P.	1.66	1316.73	6.80		1315.07
4+50				2.0	1314.0
5+0				4.7	1312.0
5+50				7.7	1309.0
6+0				9.4	1307.3

Steadland X

Fract. }
O++

May 1, 1939

14

Elev. of Pike Bay - Waters edge is 105' N. of 0513W
Pt. 91' N. of 0513W

Pt 77' N. of 0513W

$\frac{1}{2}$ 50' N. $\frac{1}{2}$ 1'
 $20 - 1.4 = 1322.0$

R 77 - Top Bank
 91 - Bottom
 $50 - 1.6 = 1321.8$

 $50 - 5.3 = 1322.9$ $50 - 6.2 = 1322.0$ $50 - 5.7 = 1322.5$ $50 - 8.8 = 1319.4$ $50 - 11.5 = 1316.7$ $50 - 6.5 = 1315.4$ $50 - 5.7 = 1316.2$ $50 - 5.5 = 1316.4$ $50 - 6.0 = 1315.9$ $50 - 3.5 = 1313.2$ $50 - 7.0 = 1309.7$ $50 - 7.8 = 1308.9$ $50 - 7.1 = 1309.6$

Line 14W "Running South
St. Marks Uses

Sta.	+ H.I.	T.P.	±	Elev.
B.M.	11.06	1313.56		1302.50
			9.6	1304.0
			2.5	1311.1
			0.4	1313.2
T.P.	9.68	1323.13	0.11	1313.45
			5.3	1317.8
			2.4	1320.7
05+14W			2.0	1321.1
0+50			2.8	1320.3
T.P.	2.83	1323.39	2.57	1320.56
15			5.1	1318.3
1+50			7.3	1316.1
T.P.	3.02	1319.36	7.05	1316.34
25			4.5	1314.9
2+50			4.6	1314.8
T.P.	4.76	1318.43	5.69	1313.67
35			5.0	1313.4
3+50			4.6	1313.8
45			5.5	1312.9
4+50			7.6	1310.8
T.P.	7.19	1317.22	8.40	1310.03
55			7.4	1309.8
5+50			4.8	1312.4
65			1.0	1316.2

0.77

Steadland X
Fradet
Off

May 2, 1939 15

Elev. of Pike Bay - Waters edge is 115' N of OS 14W
Pt. 100' N. of OS 14W

" 93' " " "

" 85' " " "

R

" 50' N. " " " 50 - 6.1 = 1317.0

" 75' " " " " 50 - 4.9 = 1318.2

50 - 4.5 = 1318.6

50 - 4.4 = 1318.7

50 - 6.6 = 1316.8

50 - 7.6 = 1315.8

50 - 5.0 = 1314.4

50 - 5.4 = 1314.0

50 - 4.9 = 1313.5

50 - 6.0 = 1312.4

50 - 6.3 = 1312.1

50 - 7.1 = 1311.3

50 - 4.2 = 1313.0

- No reading

No "

Line 15W Running South

St. Marks Uses

Sta	+	H.I.	TP	±	Elev.
B.M.	10.89	1313.39			1302.50
				9.1	1304.3
				3.4	1310.0
T.P.	10.89	1323.55	0.73		1312.66
50' N. of 0+15W				9.8	1313.8
0+15W				3.7	1319.9
0+50				3.4	1320.2
T.P.	1.48	1318.55	6.48		1317.07
15				1.7	1316.9
1+50				4.8	1313.8
25				5.5	1313.1
2+50				6.1	1312.5
35				5.6	1313.0
T.P.	6.08	1319.13	5.50		1313.05
3+50				6.2	1312.9
45				6.0	1313.1
4+50				3.1	1316.0
T.P.	10.85	1329.68	0.30		1318.83
55				11.1	1318.6
5+50				5.8	1323.9
65				3.7	1326.0

Steadland X

May 2, 1939 16

Ott
Fradet

Elev. of Pike Bay - Waters edge is 120' N. of 0515W

Pt. 101' N. of 0515W

$$\begin{matrix} 95' N. & & \\ - 40' L = 10 & = & 1317.4 \end{matrix}$$

75' - 7.9 =	1315.9
50' - 6.4 =	1317.2
75' - 8.8 =	1314.8
75' - 4.4 =	1319.2
50' - 6.8 =	1316.8
50' - 6.2 =	1317.4

50 - 4.7 = 1313.9

50 - 6.7 = 1311.9

50 - 7.4 = 1311.2

50 - 7.8 = 1310.8

50 - 6.9 = 1311.7

50 -

50 - 6.0 = 1313.1

50 - 3.6 = 1315.5

50 - 0.0 = 1319.1

75 - 7.0 = 1322.7

50 - 6.7 = 1323.0

50 - 2.6 = 1327.1

50 - 2.0 = 1327.7

Line 16 W Running South

St. Marks Uses

Sta.	+ HI	T.P.	±	Elev.
B.M.	11.07	1313.57		1302.50
90 N. of OS			9.5	1304.1
T.P.	7.45	1320.72	0.30	1313.27
75 N. of OS			5.4	1315.3
50 N. of OS			4.6	1316.1
OS 16 W			7.2	1313.5
T.P.	3.18	1315.40	8.50	1312.22
0+50			3.5	1311.9
15			4.8	1310.6
1+50			6.8	1308.6
25			6.9	1308.5
T.P.	8.82	1317.51	6.71	1308.69
2+50			7.2	1310.3
35			5.8	1311.7
3+50			3.8	1313.7
45			0.9	1316.6
T.P.	11.12	1327.84	0.79	1316.72
4+50			7.6	1320.2
55			3.6	1324.2
T.P.	9.65	1334.21	3.28	1324.56
5+50			5.4	1328.8
65			3.7	1330.5

Steadland π
Off
Fraser's

May 2, 1939

17

Elev. of Pike Bay Waters edge is 118' N. of OS 16 W

L

R

75 - 5.4 = 1315.3

50 - 8.2 = 1312.5

50 - 6.8 = 1313.9

75 - 8.7 = 1312.0

75 - 5.3 = 1310.1

75 - 7.8 = 1307.6

75 - 8.8 = 1306.6

75 - 8.2 = 1307.2

75 - 8.6 = 1308.9

75 - 7.4 = 1310.1

75 - 4.7 = 1312.8

75 - 1.1 = 1316.4

75 - 5.9 = 1321.9

75 - 3.3 = 1324.5

75 - 4.8 = 1329.4

75 - 4.6 = 1329.6

END OF
BOOK 78