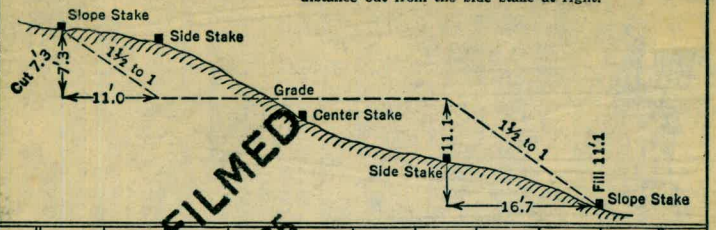
101

MISSION BAY

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	Cut or Fill
	Distance out from Side or Shoulder Stake										
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

KEUFFEL & ESSER CO., N. Y.

MB 101

Cut or Fill	
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N134 W20433.79
N136 W20388.36
N138 W20389.04
N140 W20355.56
W203 N14039.77
W202 N14111.34
W201 N14182.92
W200 N14254.49
W199 N14326.07
W198 N14397.65
W197 N14469.94
W196 N14627.85
W195 N14760.43
W194 N14781.98
W193 N14801.85
W192 N14770.
W191 N14791.23
W190 N14804.70
W189 N14818.17
W188 N14831.64
W187 N14845.11
W186 N14858.58
W185 N14872.05
W184 N14866.44
W183 N14857.17
W182 N14847.91
W181 N14834.19
W180 N14806.48
W179 N14778.77
W178 N14751.06
W177 N14723.34

W176 N14693.41
W175 N14617.64
W174 N14541.86
W173 N14466.08
W172 N14390.31
W171 N14292.73
W170 N14176.65
N140 W16686.
N138 W16827.26
N136 W16768.52
N134 W16709.79
N132 W16656.51
N130 W16603.27

10-30-57

W.179+00; 0+00=N.14000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3.6)	4.4	-0.8
(3.6)	5.1	1.5	2+00	4.0	-0.4
10:05	5.0	1.4		4.1	-0.5
	5.1	1.5		4.0	-0.4
	5.1	1.5		4.0	-0.4
50	5.0	1.4		3.9	-0.3
	5.1	1.5	50	4.0	-0.4
	5.1	1.5		3.7	-0.1
	5.1	1.5		3.8	-0.2
	5.0	1.4		3.7	-0.1
1+00	5.0	1.4		3.7	-0.1
	4.5	0.9	3+00	3.7	-0.1
	4.6	1.0		3.6	-0.0
	4.5	0.9		3.7	-0.1
	4.4	0.8		3.4	+0.2
50	4.6	1.0		3.4	+0.2
	4.5	0.9	50	3.3	+0.3
	4.5	0.9		3.3	+0.3
	4.4	0.8		3.2	+0.4

W.179+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(3.6)	3.2	+0.4	(3.6)	2.0	+1.6
10:10	3.2	+0.4		1.9	+1.7
4+00	3.0	+0.6	6+00	1.9	+1.7
	3.0	+0.6		1.7	+1.9
	3.0	+0.6		1.7	+1.9
	2.9	+0.7		1.5	+2.1
	2.8	+0.8		2.0	+1.6
50	2.7	+0.9	50	1.9	+1.7
	2.7	+0.9		2.2	+1.4
	2.7	+0.9		2.3	+1.3
	2.5	+1.1		1.9	+1.7
	2.6	+1.0		2.4	+1.2
5+00	2.6	+1.0	7+00	2.4	+1.2
	2.4	+1.2		1.5	+2.1
	2.4	+1.2		1.0	+2.6
	2.3	+1.3			
	2.3	+1.3			
50	2.1	+1.5			
	2.1	+1.5			
	2.0	+1.6			

10-30-57

W. 180+00; 0+00 = N. 14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3.6)	4.6	1.0
(3.6)	5.2	1.6	2+00	4.6	1.0
10:20	5.3	1.7		4.6	1.0
	5.4	1.8		4.3	0.7
	5.2	1.6		4.2	0.6
50	5.0	1.4		4.2	0.6
	5.0	1.4	50	4.0	0.4
	5.2	1.6		4.1	0.5
	5.0	1.4		4.0	0.4
	5.1	1.5		4.0	0.4
1+00	5.0	1.4		4.0	0.4
	5.0		3+00	3.9	0.3
	5.0			3.7	0.1
	5.0			3.7	0.1
	5.0	1.4		3.6	0.0
50	5.2	1.6		3.6	
	5.0	1.4	50	3.6	
	4.6	1.0		3.6	0.0
	4.6	1.0		3.5	+0.1

W. 180+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(3.6)	3.4	+0.2	(3.6)	2.3	+1.3
10:23	3.4	+0.2	10:25	2.1	+1.5
4+00	3.4	+0.2	6+00	2.1	+1.5
	3.3	+0.3		2.0	+1.6
	3.2	+0.4		1.9	+1.7
	3.1	+0.5		1.8	+1.8
	3.1	+0.5		1.7	+1.9
50	3.0	+0.6	50	1.7	+1.9
	3.0			1.9	+1.7
	3.0			3.0	+0.6
	3.0			4.3	0.7
	3.0	+0.6		5.1	1.5
5+00	2.8	+0.8	7+00	5.1	1.5
	2.8	+0.8		5.0	1.4
	2.7	+0.9		4.4	0.8
	2.6	+1.0		2.7	+0.9
	2.5	+1.1		1.2	+2.4
50	2.5	+1.1			
	2.4	+1.2			
	2.3	+1.3			

10-30-57

W.181+00; 0+00=N.14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3.6)	4.7	1.1
(3.6)	5.4	1.8	2+00	4.6	1.0
10.34	5.2	1.6		4.6	1.0
	5.4	1.8		4.5	0.9
	5.4	1.8		4.4	0.8
50	5.6	2.0		4.2	0.6
	5.0	1.4	50	4.2	0.6
	5.2	1.6		4.3	0.7
	5.3	1.7		4.0	0.4
	5.2	1.6		4.1	0.5
1+00	5.5	1.9		4.2	0.6
	5.3	1.7	3+00	4.0	0.4
	5.2	1.6		4.0	0.4
	4.9	1.3		4.0	0.4
	5.3	1.7		3.9	0.3
50	5.0	1.4		4.1	0.5
	5.0		50	3.9	0.3
	5.0			3.9	0.3
	5.0	1.4		3.8	0.2

W.181+00; NORTH

Dist.	Sound	Elev	Dist	Sound	Elev
(3.6)	3.6	0.0	(3.6)	2.4	+1.2
	3.5	+0.1		2.4	+1.2
4+00	3.8	0.2	6+00	2.3	+1.3
	3.6	0.0		2.3	+1.3
	3.4	+0.2		2.3	+1.3
	3.4	+0.2		2.0	+1.6
	3.3	+0.3		2.0	+1.6
50	3.3	+0.3	50	2.0	+1.6
	3.2	+0.4		1.9	+1.7
10+40	3.2	+0.4		1.9	+1.7
	3.1	+0.5		2.0	+1.6
	3.1	+0.5		2.6	+1.0
5+00	3.0	+0.6	7+00	4.0	0.4
	2.9	+0.7		4.9	1.3
	2.8	+0.8		5.0	1.4
	2.8	+0.8		5.0	1.4
	2.8	+0.8		4.4	0.8
50	2.6	+1.0	50	2.7	+0.9
	2.6	+1.0		1.1	+2.5
	2.5	+1.1			

10-30-57

W.182+00; 0+00=N.14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	
0+00			3.6	4.9	1.3
3.6	5.2	1.6	2+00	5.0	1.4 ✓
10:48	5.3	1.7		5.0	1.4
	5.4	1.8	10'50	5.0	1.4
	5.4	1.8		4.8	1.2
50	5.2	1.6		4.5	0.9
	5.2		50	4.3	0.7
	5.2			4.3	0.7
	5.2	1.6		4.7	1.1
	5.1	1.5		4.8	1.2
1+00	5.1	1.5		4.4	0.8
	5.3	1.7	3+00	4.2	0.6
	5.1	1.5		4.3	0.7
	5.1	1.5		4.0	0.4
	5.0	1.4		4.0	0.4
50	5.0	1.4		4.1	0.5
	5.1	1.5	50	4.0	0.4
	5.0	1.4		4.0	0.4
	5.0	1.4		3.8	0.2

W.182+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
3.6	3.8	0.2	3.6	2.6	+1.0
	3.7	0.1		2.6	+1.0
4+00	3.8	0.2 ✓	6+00	2.6	+1.0 ✓
	3.8	0.2		2.4	+1.2
	3.6	0.0	10'53	2.3	+1.3
	3.6	0.0		2.3	+1.3
	3.5	+0.1		2.3	+1.3
50	3.4	+0.2	50	2.1	+1.5
	3.4	+0.2		2.0	+1.6
	3.3	+0.3		2.0	+1.6
	3.3	+0.3		1.9	+1.7
	3.2	+0.4		2.0	+1.6
5+00	3.1	+0.5	7+00	2.2	+1.4
	3.0	+0.6		3.3	+0.3
	3.0	+0.6		4.2	1.6
	3.0	+0.6		5.1	1.5
	2.9	+0.7		4.9	1.3
50	2.9	+0.7	50	4.9	1.3
	2.8	+0.8		4.1	0.5
	2.7	+0.9		3.7	0.1
				0.7	+2.9

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W. 183+00; 0+00 = N. 14,000; SOUND NORTH

Dist	Sound	Elev
0+00		
(37)	5.2	1.5
11.00	5.4	1.7
	5.3	1.6
	5.4	1.7
50	5.4	1.7
	5.1	1.4
	5.1	1.4
	5.4	1.7
	5.0	1.3
1+00	5.1	1.4
	5.3	1.6
	5.3	1.6
	5.3	1.6
	5.2	1.5
50	5.2	1.5
	5.1	1.4
	5.1	1.4
	5.3	1.6

Dist	Sound	Elev
(37)	5.2	1.5
2+00	5.0	1.3
	5.0	1.3
	4.7	1.0
	4.7	1.0
	4.5	0.8
50	4.8	1.1
	4.7	1.0
	5.1	1.4
	4.5	0.8
3+00	4.5	0.8
11.05	4.5	0.8
	4.4	0.7
	4.3	0.6
50	4.3	0.6
	4.0	0.3
	4.0	0.3

W. 183+00; NORTH

(5)

Dist	Sound	Elev
(37)	4.0	0.3
	4.0	
4+00	4.0	
	4.0	0.3
	3.9	0.2
	3.9	0.2
	3.8	0.1
50	3.7	0.0
	3.7	0.0
	3.6	+0.1
	3.4	+0.3
	3.3	+0.4
5+00	3.3	+0.4
	3.3	+0.4
	3.1	+0.6
	3.0	+0.7
	3.0	+0.7
50	3.0	+0.7
	2.8	+0.9
	2.8	+0.9

Dist	Sound	Elev
(37)	2.7	+1.0
	2.7	+1.0
6+00	2.6	+1.1
	2.5	+1.2
	2.5	+1.2
	2.4	+1.3
	2.2	+1.4
50	2.2	+1.4
	2.1	+1.6
	2.1	+1.6
	2.0	+1.7
	1.9	+1.8
7+00	1.9	+1.8
	1.9	+1.8
	3.6	+0.1
	4.7	1.0
	5.1	1.4
50	5.2	1.5
	4.7	1.0
	3.0	+0.7
	1.5	+2.2

10-30-57

W.184+00; 0+00 = N.14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(37)	5.1	1.4
(37)	5.6	1.9	2+00	4.8	1.1
11:17	5.5	1.8	11:20	5.1	1.4
	5.5	1.8		4.9	1.2
	5.5	1.8		4.9	1.2
50	5.3	1.6		4.7	1.0
	5.2	1.5	50	5.1	1.4
	5.3	1.6		4.6	0.9
	5.3	1.6		4.4	0.7
	5.4	1.7		4.3	0.6
1+00	5.4	1.7	3+00	4.3	0.6
	5.2	1.5	3+00	4.2	0.5
	5.3	1.6		4.3	0.6
	5.3	1.6		4.6	0.9
	5.2	1.5		4.5	0.8
50	5.2			4.3	0.6
	5.2		50	4.0	0.3
	5.2	1.5		4.1	0.4
	5.1	1.4		3.8	0.1

W.184+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(38)	4.0	0.2	(38)	2.8	+1.0
	4.0			2.7	+1.1
4+00	4.0	✓	6+00	2.7	+1.1 ✓
	4.0	0.2		2.4	+1.4
11:23	3.9	0.1	11:25	2.3	+1.5
	3.9	0.1		2.3	
	3.8	0.0		2.3	
50	3.8	0.0	50	2.3	+1.5
	3.8	0.0		2.0	+1.8
	3.7	+0.1		1.8	+2.0
	3.7	+0.1		1.9	+1.9
	3.3	+0.5		1.9	+
5+00	3.3		7+00	1.9	+
	3.3			1.9	+1.9
	3.3	+0.5		2.4	+1.4
	3.2	+0.6		3.8	0.0
	3.0	+0.8		4.8	1.0
50	3.0	+0.8	50	5.0	1.2
	2.9	+0.9		5.3	1.5
	2.8	+1.0		5.0	1.2
				2.9	+0.9
				1.5	+2.3
			8+00	0.9	+2.9

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W.185+00; 0+00 = N.14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			3.8	5.1	1.3
38	5.3	1.5	2+00	5.0	1.2
11:35	5.4	1.6		5.1	1.3
	5.5	1.7		4.9	1.1
	5.6	1.8	11:38	4.8	1.0
50	5.4	1.6		4.8	1.0
	5.3	1.5	50	4.8	1.0
	5.4	1.6		4.7	0.9
	5.4	1.6		4.7	0.9
	5.6	1.8		4.7	0.9
1+00	5.5	1.7		4.6	0.8
	5.3	1.5	3+00	4.5	0.7
	5.3	1.5		4.6	0.8
	5.3	1.5		4.6	0.8
	5.4	1.6		4.7	0.9
50	5.6	1.8		4.7	0.9
	5.5	1.7	50	4.7	0.9
	5.5	1.7		4.5	0.7
	5.5	1.7		4.5	0.7

W.185+00; NORTH

(7)

Dist	Sound	Elev.	Dist	Sound	Elev
38	4.0	0.2	38	2.9	+0.9
	4.0			2.9	+0.9
4+00	4.0		6+00	2.8	+1.0
	4.0			2.8	+1.0
11:40	4.0	0.2		2.7	+1.1
	4.2	0.4		2.6	+1.2
	4.0	0.2		2.4	+1.4
50	3.9	0.1	50	2.3	+1.5
	3.8	0.0		2.3	+1.5
	3.8	0.0		2.3	+1.5
	3.7	+0.1		2.2	+1.6
	3.6	+0.2		2.1	+1.7
5+00	3.5	+0.3	7+00	2.2	+1.6
	3.5	+0.3		2.1	+1.7
				2.7	+1.1
	3.3	+0.5	11:43	4.0	0.2
			50	4.8	1.0
	3.2	+0.6		4.8	1.0
				5.1	1.3
	3.2			4.9	1.1
				4.5	0.7
50	3.2		8+00	2.0	+1.8
				1.2	-2.6
	3.2				
	3.2	+0.6			

11-01-57

N.186+00; 0+00 = N.140.00; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(34)	5.0	1.6
(34)	5.2	1.8	2+00	4.9	1.5
2:05	5.2			4.9	
	5.2			4.9	
	5.2	1.8		4.9	
50	5.1	1.7		4.9	
	5.0	1.6	50	4.9	1.5
	4.9	1.5		4.8	1.4
	5.0	1.6		4.7	1.3
	5.1	1.7		4.6	1.2
1+00	5.1			4.5	1.1
	5.1		3+00	4.4	1.0
	5.1			4.3	0.9
	5.1			4.2	0.8
	5.1			4.1	0.7
50	5.1			4.1	0.7
	5.1		50	4.0	0.6
	5.1	1.7		4.0	0.6
	5.0	1.6		4.0	0.6

N.186+00; NORTH

(8)

Dist	Sound	Elev	Dist	Sound	Elev
(34)	4.1	0.7	(34)	2.6	+0.8
	4.0	0.6		2.5	+0.9
4+00	4.0	0.6	6+00	2.4	+1.0
	3.9	0.5		2.3	+1.1
2:08	3.8	0.4		2.1	+1.3
	3.7	0.3		2.1	+1.3
	3.6	0.2		2.0	+1.4
50	3.5	0.1	50	1.9	+1.5
	3.4	0.0		1.9	+1.5
	3.3	+0.1		1.8	+1.6
	3.2	+0.2		1.7	+1.7
	3.2	+0.2		1.7	+1.7
5+00	3.1	+0.3	7+00	1.6	+1.8
	3.0	+0.4		1.7	+1.7
	3.0	+0.4		2.3	+1.1
	3.0	+0.4		3.9	0.5
	2.9	+0.5	2:10	4.3	0.9
50	2.8	+0.6	50	4.8	1.4
	2.8	+0.6		4.7	1.3
	2.7	+0.7		4.1	0.7
				3.4	0.0
				1.5	+1.9
			8+00	0.9	+2.5

11-01-57

W.187+00; 0+00 = N.14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(35)	5.0	1.5
(35)	5.0	1.5	2+00	4.9	1.4
2:17	5.0			4.9	1.4
	5.0			4.8	1.3
	5.0			4.8	
50	5.0			4.8	
	5.0	1.5	50	4.8	
	5.2	1.7		4.8	
	5.1	1.6		4.8	1.3
	5.0	1.5		4.7	1.2
1+00	5.0	1.5		4.6	1.1
	5.1	1.6	3+00	4.5	1.0
	5.1	1.6		4.4	0.9
	5.1	1.6		4.2	0.7
	5.2	1.7		4.1	0.6
50	5.2	1.7		4.0	0.5
	5.1	1.6	50	4.0	
	5.0	1.5		4.0	
	4.9	1.4		4.0	0.5

W.187+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(35)	4.0	0.5	(35)	2.7	+0.8
2:20	4.0	0.5		2.6	+0.9
4+00	4.0	0.5	6+00	2.5	+1.0
	3.9	0.4		2.4	+1.1
	3.9			2.3	+1.2
	3.9			2.2	+1.3
	3.9			2.1	+1.6
50	3.9	0.4	50	2.0	+1.5
	3.8	0.3		2.0	+1.5
	3.6	0.1		1.9	+1.6
	3.4	+0.1		2.0	+1.5
	3.2	+0.3		1.8	+1.7
5+00	3.1	+0.4	7+00	1.9	+1.6
	3.1		2:23	1.8	+1.7
	3.1			2.5	+1.0
	3.1	+0.4		4.0	0.5
	3.0	+0.5		4.4	0.9
50	2.9	+0.6	50	4.3	0.8
	2.8	+0.7		4.3	0.8
	2.8	+0.7		4.2	0.7
			8+00	3.0	+0.5
				1.4	+2.1
				0.8	+2.7

11-01-57

W. 188+00; 0+00 = N. 14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(36)	5.0	1.4
(36)	5.2	1.6	2+00	5.0	1.4
2:27	5.2			5.0	1.4
	5.2			4.9	1.3
	5.2			4.9	
50	5.2	1.6		4.9	
	5.1	1.5	50	4.9	1.3
	5.0	1.4		4.8	1.2
	5.0			4.8	1.2
	5.0	1.4		4.7	1.1
1+00	5.1	1.5		4.3	0.7
	5.1		3+00	4.2	0.6
	5.1			4.3	0.7
	5.1	1.5		4.5	0.9
	5.0	1.4		4.3	0.7
50	5.0			4.2	0.6
	5.0		50	4.1	0.5
	5.0			4.0	0.4
	5.0	1.4		4.1	0.5

W. 188+00; NORTH

(10)

Dist	Sound	Elev	Dist	Sound	Elev
(36)	41	0.5	(36)	27	+0.9
	41	0.5		26	+1.0
4+00	41	0.5	6+00	26	+1.0
	40	0.4		25	+1.1
2:30	40			24	+1.2
	40			23	+1.3
	40	0.4		22	+1.4
50	39	0.2	50	2.1	+1.5
	38	0.2		2.0	+1.6
	37	0.1		1.9	+1.7
	35	+0.1		1.9	+1.7
	34	+0.2		1.9	+1.7
5+00	34	+0.2	7+00	2.1	+1.5
	33	+0.3		3.2	+0.4
	32	+0.5		4.1	0.5
	30	+0.6		4.4	0.8
	30	+0.6		4.4	0.8
50	29	+0.7	50	4.6	1.0
	29	+0.7		4.2	0.6
	28	+0.8		3.1	+0.5
				1.7	+1.9
			50	0.9	+2.7
			8+00	0.5	+3.1

11-01-57

W. 189+00 - 0+00 - N. 14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(38)	5.1	1.3
(38)	5.2	1.4	2+00	5.1	1.3
2+38	5.2			5.1	1.3
	5.2		2+40	5.2	1.4
	5.2			5.2	1.4
50	5.2			5.2	1.4
	5.2		50	5.0	1.4
	5.2			4.8	1.0
	5.2	1.4		4.7	0.9
	5.1	1.3		4.5	0.7
1+00	5.1			4.4	0.6
	5.1		3+00	4.4	
	5.1	1.3		4.4	
	5.2	1.4		4.4	
	5.3	1.5		4.4	0.6
50	5.0	1.2		4.5	0.7
	4.9	1.1	50	4.5	0.7
	5.1	1.3		4.4	0.6
	5.1	1.3		4.3	0.5

W. 189+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(38)	4.1	0.3	(38)	2.7	+1.1
	4.0	0.2		2.5	+1.3
4+00	4.0	0.2	6+00	2.4	+1.4
	4.0	0.2		2.3	+1.5
	3.9	0.1		2.3	+1.5
	3.9	0.1		2.9	+0.9
	3.9	0.1		4.0	0.2
50	3.8	0.0	50	4.0	0.2
	3.7	+0.1		4.1	0.3
	3.6	+0.2		4.1	0.3
	3.5	+0.3		4.2	0.4
	3.4	+0.4		4.3	0.5
5+00	3.3	+0.5	7+00	4.3	0.5
	3.2	+0.6		4.6	0.8
	3.1	+0.7		4.8	1.0
	3.0	+0.8		5.1	1.3
	3.0	+0.8		5.8	2.0
50	2.9	+0.9	50	5.2	1.4 50
	2.9	+0.9		4.7 2.9	0.9 +0.9
	2.8	+1.0		1.6 0.9 0.1	+ 2.2 + 2.9 + 3.8

Thru W 194+00

Plotted 7-7-59 BEJ

8+00

11-01-57

W. 190+00; 0+00 = N. 14000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(39)	5.3	1.4
(39)	5.4	1.5	2+00	5.3	1.4
2:48	5.5	1.6	2:50	5.3	1.4
	5.4	1.5		5.0	1.1
	5.4			5.0	
50	5.4			5.0	
	5.4	1.5	50	5.0	
	5.5	1.6		5.0	1.1
	5.5	1.6		4.9	1.0
	5.5	1.6		4.7	0.8
1+00	5.7	1.8		4.6	0.7
	5.2	1.3	3+00	4.5	0.6
	5.2	1.3		4.4	0.5
	5.4	1.5		4.3	0.4
	5.5	1.6		4.2	0.3
50	5.4	1.5		4.3	0.4
	5.4	1.5	50	4.3	0.4
	5.1	1.2		4.2	0.3
	5.1	1.2		4.2	0.3

W. 190+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(39)	4.2	0.3	(39)	2.6	+1.3
	4.1	0.2		2.4	+1.5
4+00	4.1	0.2	6+00	2.3	+1.6
	4.0	0.1		2.2	+1.7
	4.0	0.1		2.2	+1.7
	4.0	0.1		3.0	+0.9
	3.9	0.0		4.0	0.1
50	3.9	0.0	50	4.3	0.4
	3.8	+0.1		4.4	0.5
	3.7	+0.2		4.5	0.6
	3.5	+0.4		4.1	0.2
	3.3	+0.6		3.6	+0.3
5+00	3.2	+0.7	7+00	3.3	+0.6
	3.1	+0.8		4.2	0.5
	3.0	+0.9		5.3	1.4
	3.0	+0.9		5.3	1.4
	2.9	+1.0		4.8	0.9
50	2.9	+1.0	50	3.9	0.0
	2.8	+1.1		3.0	+0.9
	2.7	+1.2		2.0	+1.9
				1.3	+2.6

11-6-57

W. 19+00; 0+00 = N. 14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(39)	7.2	1.3
(59)	7.2	1.3	2+00	7.0	1.1
9:19	7.5	1.6		7.0	
	7.3	1.4		7.0	
	7.7	1.8		7.0	
50	7.5	1.6		7.0	
	7.5		50	7.0	1.1
	7.5			6.8	0.9
	7.5	1.6		6.8	
	7.2	1.3		6.8	
1+00	7.0	1.1		6.8	0.9
	7.2	1.3	3+00	6.5	0.6
	7.2			6.5	
	7.2			6.5	
	7.2			6.5	
50	7.2			6.5	
	7.2		50	6.5	0.6
	7.2			6.3	0.4
	7.2	1.3		6.5	0.6

W. 19+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(59)	6.1	0.2	(58)	4.5	+1.3
	6.0		9:23	5.0	+0.8
4+00	6.0		6+00	5.9	0.1
	6.0			6.1	0.3
	6.0	0.1		6.0	0.2
	5.9	0.0		6.1	0.3
	5.7	+0.2		6.1	0.3
50	5.4	+0.5	50	6.5	0.7
	5.2	+0.7		6.2	0.4
	5.2			6.4	0.6
	5.2	+0.7		6.4	0.6
	5.0	+0.9		6.3	0.5
5+00	4.9	+1.0	7+00	6.0	0.2
	4.9	+1.0		5.7	+0.1
	4.8	+1.1		4.7	+1.1
	4.8	+1.1		3.8	+2.0
	4.4	+1.5		3.0	+2.8
50	4.4	+1.5	50	2.4	+3.4
	4.1	+1.8		1.5	+4.3
	4.1	+1.8		0.2	+5.6

11-6-57

W. 192+00; 0+00 = N. 14000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			58	6.8	1.0
58	7.0	1.2	2+00	6.9	1.1
9:30	7.0	〃		6.9	1.1
	7.0			6.7	0.9
	7.0	1.2		6.8	1.0
50	7.2	1.4		6.7	0.9
	7.0	1.2	50	6.7	〃
	7.0	1.2		6.7	0.9
	7.2	1.4		6.5	0.7
	7.1	1.3		6.7	0.9
1+00	7.0	1.2		6.5	0.7
	7.0	1.2	3+00	6.5	0.5
	7.1	1.3		6.3	0.5
	7.1	1.3		6.3	0.5
	6.9	1.1		6.1	0.3
50	7.0	1.2		6.1	〃
	7.3	1.5	50	6.1	0.3
	7.0	1.2		6.0	0.2
	6.8	1.0		6.0	0.2

W. 192+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
58	5.9	0.1	57	6.4	0.7
	5.9	0.1		6.3	0.6
4+00	5.7	+0.1	6+00	6.3	0.6
	5.7	+0.1		6.7	1.0
	5.5	+0.3		6.7	1.0
	5.5	+0.3		6.9	1.2
	5.3	+0.5		6.8	1.1
50	5.1	+0.7	50	6.4	0.7
	5.1	〃		6.7	1.0
	5.1	+0.7		6.5	0.8
	4.9	+0.9	9:35	6.2	0.5
	5.0	+0.8		6.1	0.4
5+00	4.9	+0.9	7+00	5.4	+0.3
	4.7	+1.1		3.9	+1.8
	4.7	〃		3.1	+2.6
	4.7	+1.1		2.4	+3.7
	4.5	+1.3		1.5	+4.2
50	4.8	+1.0	50		
	5.2	+0.6			
	6.2	0.4			

11-6-57

W. 193+00 0+00 = N. 14000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			56	6.8	1.2
56	7.0	1.4	2+00	6.7	1.1
9:42	7.0	〃		6.8	1.2
	7.0	1.4		6.7	1.1
	6.8	1.2		6.7	1.1
50	7.2	1.6		6.5	0.9
	7.0	1.4	50	6.5	0.9
	7.0	1.4		6.3	0.7
	6.7	1.1		6.3	0.7
	6.8	1.2		6.1	0.5
1+00	6.9	1.3		6.0	0.4
	7.0	1.4	3+00	6.0	〃
	7.0	〃		6.0	〃
	7.0	〃		6.0	〃
	7.0	〃		6.0	〃
50	7.0	1.4		6.0	〃
	6.9	1.3	50	6.0	0.4
	6.8	1.2		5.7	0.1
	6.8	1.2		5.7	0.1

W. 193+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
55	5.2	+0.3	55	6.7	1.2
	5.2	〃		6.9	1.4
4+00	5.2	+0.3	6+00	6.9	〃
	5.1	+0.4		6.9	〃
	5.0	+0.5		6.9	1.4
	5.0	+0.5		6.7	1.2
	4.9	+0.6		6.7	1.2
50	4.9	+0.6	50	6.8	1.3
	4.8	+0.7		7.0	1.5
	4.7	+0.8		6.8	1.3
	4.8	+0.7		6.8	1.3
	4.8	+0.7		6.5	1.0
5+00	4.8	+0.7	7+00	6.2	0.7
9:45	5.3	+0.2		6.1	0.6
	6.2	0.7		5.3	+0.2
	6.5	1.0		3.8	+1.7
	6.5	〃		3.0	+2.5
50	6.5	1.0	50	2.4	+3.1
	6.9	1.4		2.0	+3.5
	6.7	1.2		1.5	+4.0
				1.0	+4.5
				0.9	+4.6

11-6-57

W.194+00; 0+00 = N.14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(54)	6.4	1.0
(54)	6.5	1.1	2+00	6.2	0.8
9:53	6.9	1.5		6.2	0.8
	7.0	1.6		6.2	0.8
	7.0	1.6		6.2	0.8
50	7.0	1.6		6.0	0.6
	7.0	1.6	50	6.0	0.6
	6.9	1.5		6.0	0.6
	6.8	1.4		6.0	0.6
	7.0	1.6		6.0	0.6
1+00	6.7	1.3		5.9	0.5
	6.5	1.1	3+00	5.8	0.4
	6.2	0.8		5.8	0.4
	6.5	1.1	9:55	5.6	0.2
	6.5	1.1		5.6	0.2
50	6.7	1.3		5.5	0.1
	6.5	1.1	50	5.3	+0.1
	6.5	1.1		5.1	+0.3
	6.4	1.0		5.0	+0.4

W.194+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(54)	5.0	+0.4	(53)	6.8	1.5
	5.0	+0.4		6.8	〃
4+00	4.9	+0.5	6+00	6.8	1.5
	4.7	+0.7		6.9	1.6
	4.7	〃		6.9	〃
	4.7	+0.7		6.9	
	4.8	+0.6		6.9	1.6
50	5.3	+0.1	50	6.7	1.4
	6.1	0.7		6.7	〃
	6.4	1.0		6.7	1.4
	6.8	1.4		6.5	1.2
	6.5	1.1		6.2	0.9
5+00	6.8	1.4	7+00	6.1	0.8
	6.8	〃	10:00	5.0	+0.3
	6.8	1.4		3.7	+1.6
	7.0	1.6		2.9	+2.4
	7.0	〃		2.5	+2.8
50	7.0	1.6	50	1.9	+3.4
	6.8	1.4		0.9	+4.4
	6.8	1.4			

11-6-57

W.195+00; 0+00 = N.14000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(51)	7.3	2.2
(51)	6.6	1.5	2+00	7.0	1.9
10:08	6.6	1.5		7.1	2.0
	6.7	1.6		6.9	1.8
	6.4	1.3		6.9	1.8
50	6.6	1.5		6.9	1.8
	6.9	1.8	50	6.9	1.8
	6.8	1.7		7.0	1.9
	6.8	1.7		7.0	(
	6.7	1.6		7.0	(
1+00	6.4	1.3		7.0	1.9
	6.4	1.3	3+00	6.9	1.8
	6.4	1.3	10:10	6.8	1.7
	6.5	1.4		6.8	1.7
	6.7	1.6		7.4	2.3
50	6.9	1.8		7.9	2.8
	6.8	1.7	50	8.0	2.9
	6.8	1.7		7.7	2.6
	7.0	1.9		6.8	1.7

W.195+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(51)	5.4	0.3	(50)	4.8	+0.2
	4.9	+0.2		4.8	?
4+00	4.7	+0.4	6+00	4.8	+0.2
	5.1	0.0		4.0	+1.0
	5.9	0.8		3.0	+2.0
	6.2	1.1	10:13	2.8	+2.2
	6.2	1.1		2.2	+2.8
50	6.6	1.5	50		
	6.7	1.6			
	6.8	1.7			
	6.8	(			
	6.8	1.7			
5+00	6.7	1.6	7+00		
	6.9	1.8			
	6.7	1.6			
	6.7	1.6			
	6.5	1.4			
50	6.4	1.3	50		
	6.1	1.0			
	5.6	0.5			

11-6-57

W.196+00; 0+00 = N.14000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			40	5.5	0.6
40	6.2	1.3	2+00	5.3	0.4
10+17	6.4	1.5	10+20	5.1	0.2
	6.2	1.3		5.0	0.1
	6.2			5.0	0.1
50	6.2			4.9	0.0
	6.2		50	4.8	+0.1
	6.2			4.9	0.0
	6.2			4.6	+0.3
	6.2			4.5	+0.4
1+00	6.2			4.4	+0.5
	6.2	1.3	3+00	4.0	+0.9
	6.0	1.1		4.0	
	6.0			4.0	+0.9
	6.0			3.9	+1.0
50	6.0	1.1		4.1	+0.8
	5.5	0.6	50	4.3	+0.6
	5.5			5.2	0.3
	5.5	0.6		6.0	1.1

W.196+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
40	6.1	1.2	40	1.3	+3.6
	6.5	1.6		0.9	+4.0
4+00	6.9	2.0	6+00	0.2	+4.7
	6.9				
	6.9	2.0			
	6.6	1.7			
	6.5	1.6			
50	6.5	1.6	50		
	6.0	1.1			
	6.0	1.1			
	5.8	0.9			
	4.9	1.0			
5+00	3.8	+1.1	7+00		
	3.2	+1.7			
	2.9	+2.0			
	2.6	+2.3			
	2.4	+2.5			
50	2.1	+2.8	50		
	1.9	+3.0			
	1.9	+3.0			

11-6-57

W.19+00; 0+00 = N.14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			47	4.6	+0.1
47	6.0	1.3	2+00	4.6	+0.1
10:30	6.0	1.3		4.2	+0.5
	5.9	1.2		4.0	+0.7
	5.8	1.1		4.0	(
50	5.7	1.0		4.0	)
	5.7	1.0	50	4.0	+0.7
	5.5	0.8		3.9	+0.8
	5.9	1.2		3.9	(
	5.3	0.6		3.9	+0.8
1+00	5.2	0.5		3.8	+0.9
	5.3	0.6	3+00	4.0	+0.7
	5.0	0.3		4.8	0.1
	5.0	0.3		5.4	0.7
	5.2	0.5		6.1	1.4
50	5.0	0.3		6.3	1.6
	5.0	0.3	50	6.8	2.1
	4.8	0.1		6.8	2.1
	4.8	0.1		6.3	1.6

W.19+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
46	6.0	1.4			
	5.1	0.5			
4+00	3.9	+0.7	6+00		
	2.9	+1.7			
	2.5	+2.1			
10:33	2.0	+2.6			
	1.7	+2.9			
50	1.1	+3.5	50		
	0.1	+4.5			
5+00			7+00		
50			50		

11-6-57

W.198+00; 0+00=N.14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			45	3.9	+0.6
45	5.2	0.7	2+00	3.9	+0.6
10:37	5.2	0.7		4.1	+0.4
	5.4	0.9		5.0	0.5
	5.4	0.9		5.9	1.4
50	5.1	0.6		6.7	2.2
	5.0	0.5	50	7.0	2.5
	4.9	0.4		7.0	2.5
	4.9	0.4	10:40	6.9	2.4
	5.0	0.5		6.6	2.1
1+00	4.8	0.3		6.4	1.9
	4.6	0.1	3+00	5.0	0.5
	4.6	0.1		3.2	+1.3
	4.5	0.0		2.8	+1.7
	4.1	+0.4		2.0	+2.5
50	4.1	+0.4		1.8	+2.7
	4.0	+0.5	50	1.3	+3.2
	3.9	+0.6		0.6	+3.9
	3.9	+0.6			

W.198+00; NORTH

Dist	Sound	Elev	Dist	Sound	Elev
4+00			6+00		
50			50		
5+00			7+00		
50			50		

11-6-57

W.199+00; 0+00 = N.14000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			44	7.2	2.8
44	4.4	0.0	2+00	7.0	2.6
10;45	4.5	0.1		6.7	2.3
	4.4	0.0		5.5	1.1
	4.2	+0.2		4.0	+0.4
50	4.2	+0.2		2.9	+1.5
	4.0	+0.4	50	2.5	+1.9
	4.0	+0.4		1.9	+2.5
	3.9	+0.5		1.2	+3.2
	3.9	+0.5		0.5	+3.9
1+00	3.8	+0.6			
	3.8	⟨	3+00		
	3.8	+0.6			
	4.4	0.0			
	5.2	0.8			
50	6.2	1.8			
	6.8	2.4	50		
	7.1	2.7			
	7.5	3.1			

W.200+00; 0+00 = N.14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			43	2.1	+2.2
43	4.0	+0.3	2+00	1.3	+3.0
10;50	4.0			1.0	+3.3
	4.0			0.3	+4.0
	4.0				
50	4.0				
	4.0		50		
	4.0				
	4.0				
	4.0				
1+00	4.0	+0.3			
	5.1	0.8	3+00		
	5.8	1.5			
	6.0	1.7			
	5.8	1.5			
50	5.8	1.5			
	5.2	0.9	50		
	4.6	0.3			
	3.0	+1.3			

11-6-57

SOUNDING CHECK ON SLOPES AS FILLED IN PEREZ COVE

Dist	Sound	Elev	Dist	Sound	Elev
0+00 = Stake			32	11.5	8.3
0+03	0.0	+3.2		11.8	8.6
32	1.3	+1.9		12.0	8.8
11:40	3.3	0.1	2+00	11.9	8.7
	6.0	2.8		11.8	8.6
	7.2	4.0		11.8	(
50	8.1	4.9		11.8	8.6
	9.1	5.9		11.9	8.7
6:11	9.6	6.4	50	12.0	8.8
(Soft on Bottom)	9.6	6.4		12.0	)
	10.2	7.0		12.0	
1+00	10.2	(		12.0	8.8
	10.2	7.0		11.8	8.6
	10.9	7.7	3+00	11.2	8.0
50	11.0	7.8			
	11.0	(			
50	11.0	7.8			
	11.3	8.1			

W. 20 1+00; 0+00 = N. 14000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
42	3.3	+0.9	2+00		
10:55	3.3	(			
	3.3	)			
	3.3	+0.9			
50	3.1	+1.1			
	3.2	+1.0			
	3.8	+0.4			
	4.9	0.7			
	5.5	1.3			
1+00	5.8	1.6			
	5.8	1.6			
	4.2	0.0			
	2.8	+1.4			
	1.9	+2.3			
50	1.0	+3.2			
	0.4	+3.8			

11-6-57

W. 202+00; 0+00 = N. 14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
(41)	5.0	0.9	2+00		
11:00	5.0	S			
	5.0	0.9			
	4.8	0.7			
50	3.0	+1.1			
	2.0	+2.1			
	1.2	+2.9			
	0.9	+3.2			
	0.4	+3.7			
1+00					
50					

11-7-57

W. 203+00; 0+00 = N. 14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
50					

10-31-57

N. 102+00; 0+00 = W. 20,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			33	3.3	0.0
33			2+00	3.3	0.0
11:03	0.5	+2.8	11:05	3.1	+0.2
	1.5	+1.8		3.0	+0.3
	2.4	+0.9		2.5	+0.8
50	3.1	+0.2		2.1	+1.2
	3.9	0.6	50	2.1	+1.2
	4.0	0.7		2.0	+1.3
	4.5	1.2		2.0	+1.3
	4.5	1.2		2.0	+1.3
1+00	4.1	0.8		1.8	+1.5
	4.1	0.8	3+00	1.5	+1.8
	4.0	0.7		1.5	+1.8
	4.0	0.7		1.3	+2.0
	4.3	1.0		1.2	+2.1
50	4.4	1.1		1.2	+2.1
	4.0	0.7	50	1.2	+2.1
	3.8	0.5		1.0	+2.3
	3.3	0.0		0.9 0.7	+2.7 +2.6

N. 103+00; 0+00 = W. 20,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			33	11.0	7.7
33			2+00	10.8	7.5
11:18	0.2	+3.1		10.3	7.0
	1.4	+1.9		10.0	6.7
	2.1	+1.2		9.8	6.5
50	2.4	+0.9		9.8	6.5
	3.3	0.0	50	10.0	6.7
	4.8	1.5	11:23	9.5	6.2
	5.5	2.2		9.7	6.4
	6.3	3.0		9.9	6.6
1+00	7.0	3.7		10.1	6.8
11:20	8.3	5.0	3+00	10.3	7.0
	9.9	6.6		10.4	7.1
	10.8	7.5		10.4	
	11.0	7.7		10.4	
50	11.1	7.8		10.4	7.1
	11.2	7.9	50	10.3	7.0
	11.2	7.9		10.3	7.0
	11.1	7.8		10.1	6.8

N.103+00; CONTD EAST 10-31-57

Dist	Sound	Elev	Dist	Sound	Elev
(33)	10.5	7.2	(33)	9.0	5.7
11.25	10.5	7.2		9.1	5.8
4+00	10.4	7.1	6+00	9.1	5.8
	10.1	6.8		9.0	5.7
	9.7	6.4		8.8	5.5
	9.1	5.8	11.30	8.4	5.1
	8.3	5.0		8.1	4.8
50	8.2	4.9	50	7.7	4.4
	8.1	4.8		7.0	3.7
	7.7	4.4		3.6	0.3
	7.5	4.2		3.0	+0.3
	7.8	4.5		2.0	+1.3
5+00	7.9	4.6	7+00	1.0	+2.3
	7.4	4.1		0.0	+3.3
	7.0	3.7			
	7.1	3.8			
	8.0	4.7			
50	8.9	5.6			
	8.6	5.3			
	9.0	5.7			

N.104+00; 0+00 = W. 20,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(33)	11.5	8.2
(33)			2+00	11.5	8.2
11.43				11.4	8.1
				11.5	8.2
	0.2	+3.1		11.3	8.0
50	1.7	+1.6		11.3	8.0
	1.9	+1.4	50	11.5	8.2
	2.5	+0.8		11.7	8.4
	3.1	+0.2		11.6	8.3
	4.5	1.2		11.5	8.2
1+00	5.3	2.0		11.5	8.2
	6.3	3.0	3+00	11.5	8.2
	7.3	4.0		11.4	8.1
	8.2	4.9		11.5	8.2
	10.1	6.8		11.8	8.5
50	10.8	7.5		11.9	8.6
	11.2	7.9	50	12.0	8.7
	11.6	8.3		12.1	8.8
	11.5	8.2		12.5	9.2

N. 104+00 CONTD EAST 10-31-57

Dist	Sound	Elev	Dist	Sound	Elev
(33)	12.7	9.4	(33)	11.8	8.5
11.48	12.8	9.5	11.50	11.9	8.6
9+00	12.5	9.2	6+00	12.2	8.9
	12.5	9.2		12.1	8.8
	12.6	9.3		12.0	8.7
	12.1	8.8		12.0	8.7
	12.0	8.7		12.0	8.7
50	12.0	8.7	50	11.9	8.6
	12.3	9.0		11.8	8.5
	12.8	9.5		11.2	7.9
	13.0	9.7		10.3	7.0
	13.0	9.7		10.1	6.8
5+00	12.9	9.6	7+00	9.5	6.2
	12.4	9.1		8.0	4.7
	12.2	8.9		7.0	3.7
	12.1	8.8		3.8	0.5
	12.0	8.7		2.8	+0.5
50	12.0	8.7	50	1.1	+2.2
	12.0	8.7			
	11.9	8.6			

N 105+00; 0+00 = W. 20,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(33)	8.7	5.4
(33)			3+00	9.1	6.8
			12.06	9.7	6.4
				10.1	6.8
				10.2	6.9
50				10.5	7.2
			50	11.0	7.7
12.03	1.0	+2.3		10.9	7.6
	1.7	+1.6		11.0	7.7
	2.0	+1.3		11.1	7.8
1+00	2.9	+0.4		11.7	8.4
	3.7	0.4	3+00	12.9	9.6
	4.2	0.9		13.0	9.7
	4.8	1.5		13.1	9.8
	5.5	2.2		13.0	9.7
50	6.8	3.5		12.9	9.6
	7.2	3.9	50	12.8	9.5
	8.2	4.9		12.6	9.3
	8.3	5.0		12.3	9.0

N.105+00 CONTD EAST 10-31-57

Dist	Sound	Elev	Dist	Sound	Elev
(3.4)	12.3	8.9	(34)	12.4	9.0
	12.3	8.9		12.2	8.8
4+00	12.3	8.9	6+00	12.5	9.1
12.10	12.1	8.7		12.1	8.7
	12.1	8.7		12.0	8.6
	12.0	8.6		12.0	8.6
	12.0			12.1	8.7
50	12.0		50	12.0	8.6
	12.0			12.1	8.7
	12.0			12.4	9.0
	12.0	8.6		12.4	9.0
	12.1	8.7		12.3	8.9
5+00	12.3	8.9	7+00	12.0	8.6
	12.7	9.3		11.0	7.6
	13.0	9.6		7.9	4.5
	13.5	10.1		5.6	2.2
	13.2	9.8		3.6	0.2
50	13.0	9.6	50	2.7	+0.7
	12.8	9.4	12.15	1.9	+1.5
	12.8	9.4		1.0	+2.4

N.106+00; 0+00 = W.20,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
			(34)	10.4	7.0
0+50			50	10.8	7.4
(34)				11.0	7.6
				11.3	7.9
12.22			12.25	11.5	8.1
1.2	+2.2			11.5	8.1
2.0	+1.4		3+00	11.3	7.9
2.7	+0.7			11.3	7.9
4.0	0.6			11.4	8.0
5.0	1.6			11.4	8.0
5.2	1.8			11.7	8.3
5.5	2.1		50	11.9	8.5
5.7	2.3			12.0	8.6
6.2	2.8			12.2	8.8
7.0	3.6			12.4	9.0
7.9	4.5			12.5	9.1
8.3	4.9		4+00	12.5	9.1
9.0	5.6			12.4	9.0
9.6	6.2			12.4	9.0
10.0	6.6				

N.106+00 CONTD EAST 10-31-57

Dist	Sound	Elev	Dist	Sound	Elev
(3.4)	12.2	8.8	(33)	12.2	8.7
	12.1	8.7	12;28	12.2	8.7
50	12.0	8.6	50	12.0	8.5
	12.0	8.6		12.0	8.5
	11.8	8.4		11.8	8.3
	11.9	8.5		11.8	
	11.8	8.4		11.8	
5+00	11.9	8.5	7+00	11.8	8.3
	11.9	8.5		12.0	8.5
	12.2	8.8		12.0	8.5
	12.3	8.9		12.0	8.5
	12.5	9.1		11.9	8.4
50	12.6	9.2	50	11.7	8.2
	12.7	9.3	12;30	10.7	7.2
	12.8	9.4		8.3	4.8
	12.7	9.3		6.2	2.7
	12.5	9.1		3.3	+0.2
6+00	12.3	8.9	8+00	1.5	+2.0
	12.2	8.8			
	12.2	8.8			

N.107+00; 0+00 = W.20,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
1+00	0.3	+3.6	(39)	11.8	7.9
(39)	2.0	+1.9	3+00	11.9	8.0
1;40	2.5	+1.4		11.9	8.0
	3.0	+0.9		11.9	8.0
	4.5	0.6		11.9	8.0
50	5.2	1.3		11.9	8.0
	5.8	1.9	50	12.0	8.1
	6.0	2.1		12.0	8.1
	6.6	2.7		12.1	8.2
	7.2	3.3		12.4	8.5
2+00	8.1	4.2		12.6	8.7
	9.0	5.1	4+00	12.9	9.0
	9.5	5.6		12.9	9.0
	10.4	6.5		13.0	9.1
	11.1	7.2		13.2	9.3
50	11.5	7.6		13.2	9.3
	11.6	7.7	50	13.3	9.4
	11.7	7.8		13.2	9.3
	11.7	7.8		13.0	9.1

N 107+00; CONTD EAST 10-31-57

Dist	Sound	Elev	Dist	Sound	Elev
(39)	13.1	9.2	(39)	13.3	9.4
11.45	13.0	9.1		13.6	9.7
5+00	12.9	9.0	7+00	13.7	9.8
	12.9	9.0		13.1	9.2
	12.9	9.0		13.0	9.1
	12.8	8.9		13.0	
	12.9	9.0		13.0	
50	13.3	9.4	50	13.0	
	13.6	9.7		13.0	
	13.9	10.0		13.0	9.1
	14.0	10.1		12.8	8.9
	14.0	10.1		12.8	8.9
6+00	14.0	10.1	8+00	12.5	8.6
	13.8	9.9		12.3	8.4
	13.5	9.6		10.5	6.6
	13.7	9.8		9.3	5.4
	13.5	9.6		7.9	4.0
50	13.4	9.5	50	7.1	3.2
	13.2	9.3		7.5	3.6
	13.2	9.3		8.0	4.1

N. 107+00; EAST

Dist	Sound	Elev	Dist	Sound	Elev
(40)	8.0	4.0	(40)	6.9	2.9
1.50	6.8	2.8		7.0	3.0
9+00	6.9	2.9	11+00	8.4	4.4
	3.9	+0.1		10.3	6.3
	3.2	+0.8		11.1	7.1
	3.2	+0.8		11.2	7.2
	3.1	+0.9		11.3	7.3
50	3.2	+0.8	50	11.8	7.8
	3.5	+0.5		11.9	7.9
	3.0	+1.0		12.1	8.1
	3.3	+0.7		12.6	8.6
	3.4	+0.6		12.8	8.8
10+00	3.7	+0.3	12+00	13.2	9.2
	3.9	+0.1		12.9	8.9
	3.9	-0.1		12.9	8.9
	4.0	0.0		13.0	9.0
	4.3	0.3		12.8	8.8
50	4.9	0.9	50	12.8	8.8
	5.5	1.5		12.0	8.0
	7.2	3.2		12.3	8.3

N.107+00 CONTD EAST 10-31-57

Dist	Sound	Elev	Dist	Sound	Elev
40	12.3	8.3	40	12.3	8.3
1;55	11.9	7.9		12.8	8.8
13+00	11.7	7.7	15+00	12.5	8.5
	11.7	7.7		12.8	8.8
	12.0	8.0		12.9	8.9
	12.3	8.3		13.0	9.0
	12.3	8.3		12.7	8.7
50	12.1	8.1	50	12.7	8.7
	12.3	8.3		12.8	8.8
	12.6	8.6		12.8	8.8
	12.2	8.2		13.0	9.0
	12.5	8.5		12.8	8.8
14+00	12.6	8.6	16+00	12.7	8.7
	12.6	8.6		12.6	8.6
	12.7	8.7		12.7	8.7
	12.9	8.9		12.5	8.5
	13.1	9.1		12.3	8.3
50	12.9	8.9	50	12.1	8.1
	12.3	8.3		12.2	8.2
	12.3	8.3		12.0	8.0

N107+00, EAST

Dist	Sound	Elev	Dist	Sound	Elev
40	12.3	8.3	40	13.9	9.9
2:00	12.8	8.8		13.6	9.6
17+00	12.7	8.7	19+00	10.0	6.0
	12.4	8.4		8.3	4.3
	12.2	8.2		7.2	3.2
	12.6	8.6		5.0	1.0
	12.5	8.5		5.0	1.0
50	12.1	8.1	50	4.9	0.9
	12.1	8.1		4.5	0.5
	12.2	8.2		4.0	0.0
	12.3	8.3		3.8	+0.2
	12.5	8.5		3.5	-0.5
18+00	12.5		20+00	3.1	+0.9
	12.5				
	12.5	8.5			
	12.4	8.4			
	12.7	8.7			
50	13.2	9.2			
	13.5	9.5			
	13.8	9.8			

10-31-57

N. 112+00; 0+00 = W 19,900; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(44)	13.3	8.9
(44)			2+00	13.4	9.0
				13.4	9.0
				13.4	9.0
2:45	0.0	+4.4		13.8	9.4
50	1.5	+2.9		13.8	
	2.7	+1.7	50	13.8	
	3.0	+1.4		13.8	9.4
	3.6	+0.8		13.9	9.5
	5.0	0.6		13.9	9.5
1+00	6.1	1.7		13.8	9.4
	6.8	2.4	3+00	13.7	9.3
	7.3	2.9		13.7	9.3
	8.4	4.0		13.6	9.2
	9.6	5.2		13.6	9.2
50	10.6	6.2		13.6	9.2
	12.1	7.7	50	13.7	9.3
	12.4	8.0		13.8	9.4
	12.8	8.4		13.7	9.3

N. 112+00; EAST

Dist	Sound	Elev	Dist	Sound	Elev
(44)	13.7	9.3			
	13.1	8.7			
4+00	12.4	8.0	6+00		
	11.8	7.4			
	11.1	6.7			
2:53	10.0	5.6			
	7.0	2.6			
50	5.5	1.1	50		
	5.4	1.0			
	4.3	+0.1			
	3.3	+1.1			
	1.7	+2.7			
5+00			7+00		
50			50		

10-31-57

N.113+00; 0+00=W.19,900; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			45	14.0	8.5
50	0.9	+3.6		14.0	
3:00	1.9	+2.6	50	14.0	
45	2.9	+1.6		14.0	
	3.3	+1.2		14.0	
50	4.8	0.3		14.0	8.5
1+00	5.5	1.0	3:05	13.9	8.4
	6.2	1.7	3+00	13.8	8.3
	7.2	2.7		13.8	8.3
	8.5	4.0		13.8	8.3
	11.0	6.5		13.6	8.1
50	12.7	8.2		13.6	8.1
	13.0	8.5	50	13.6	8.1
	13.2	8.7		13.1	8.6
	13.6	9.1		12.7	8.2
	13.8	9.3		11.9	7.4
2+00	13.8	9.3	3:15	9.8	5.3
	13.9	9.4	4+00	8.2	3.7
	14.0	9.5		5.7	1.2

N.113+00; EAST

Dist	Sound	Elev	Dist	Sound	Elev
45	5.3	0.8			
	4.9	0.4			
	4.0	+0.5			
50	2.9	+1.6	50		
5+00			7+00		
50					
6+00					

11-01-57

N.114+00; 0+00 = N.19900; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+50	-		(32)	13.3	10.1
(32)	0.0	+3.2	50	13.0	9.8
10:23	1.0	+2.2	10:27	13.0	9.8
	1.6	+1.6		13.0	9.8
	2.8	+0.4		12.8	9.6
1+00	4.1	0.9		12.1	8.9
	4.7	1.5	3+00	11.8	8.6
	5.6	2.4		11.5	8.3
	6.4	3.2		11.2	8.0
	9.9	6.7		11.0	7.8
50	10.4	7.2		10.1	6.9
	12.0	8.8	50	9.8	6.6
	12.2	9.0		9.0	5.8
	12.7	9.5		7.3	4.1
	13.0	9.8		5.3	2.1
2+00	12.8	9.6		3.5	0.3
	13.0	8.8	4+00	2.8	+0.4
	13.0	9.8		1.5	+1.7
	13.0	9.8		0.3	+2.9

N.115+00; 0+00 = W19,900; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+50			(31)	2.2	+0.9
(31)			50	1.9	+1.2
				1.7	+1.4
				1.7	+1.4
10:35				1.3	+1.8
1+00				1.1	+2.0
1+07	0.0	+3.1	3+00	1.3	+1.8
+20	0.5	+2.6		1.5	+1.6
	1.0	+2.1		1.2	+1.9
	1.2	+1.9	10:40	1.0	+2.1
50	1.6	+1.5		0.5	+2.6
	1.8	+1.3	50		
	2.0	+1.1			
	2.0	+1.1			
	2.2	+0.9			
2+00	2.3	+0.8			
	2.4	+0.7	4+00		
	2.4	+0.7			
	2.4	+0.7			

11-01-57

N.118+00; 0+00 = W.12,905; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			30	2.8	+0.2
30			2+00	2.6	+0.4
11.00				2.5	+0.5
	0.4	+2.6		2.1	+0.9
	1.5	+1.5		1.9	+1.1
50	1.9	+1.1		1.5	+1.5
	2.2	+0.8	50	1.0	+2.0
	2.7	+0.3		0.5	+2.5
	3.0	0.0			
	3.3	0.3			
1+00	4.0	1.0			
	5.1	2.1	3+00		
	4.9	1.9			
	4.4	1.4			
	4.0	1.0			
50	3.7	0.7			
	3.2	0.2	50		
	3.2	0.2			
	3.0	0.0			

N.119+00; 0+00 = W 19921.5 SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			29	10.8	7.9
29			2+00	10.4	7.5
11.10	0.4	+2.5		10.4	7.5
	1.7	+1.2		10.1	7.2
	2.6	+0.3		10.1	7.2
50	4.7	1.8		9.9	7.0
	6.9	4.0	50	9.6	6.7
	7.4	4.5		9.0	6.1
	8.0	5.1		8.8	5.9
	8.5	5.6		8.2	5.3
1+00	9.0	6.1		7.3	4.4
	9.2	6.3	3+00	6.5	3.6
	9.2	6.3		5.2	2.3
	8.9	6.0		4.9	2.0
	9.3	6.4		3.3	0.4
50	10.0	7.1	11.15	2.8	+0.1
	10.6	7.7	50	1.8	+1.1
	10.8	7.9		0.7	+2.2
	10.8	7.9			

11-01-57

N.120+00; 0+00 = W.19940; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+20	0.2	+2.6	28	11.0	8.2
28	1.0	+1.8		11.2	8.4
11:23	1.6	+1.2		11.4	8.6
50	2.0	+0.8		11.5	8.7
	3.2	0.4	50	11.5	8.7
	5.2	2.4		11.5	8.7
	9.0	6.2		11.4	8.6
	10.2	7.4		11.0	8.2
1+00	10.2	7.4		11.0	8.2
	10.1	7.3	3+00	10.8	8.0
	9.9	7.1		10.2	7.4
	9.9	7.1		10.0	7.2
	9.9	7.1		10.0	7.2
50	10.0	7.2		9.8	7.0
	10.0	7.2	50	8.7	5.9
	10.0	7.2		6.3	3.5
	10.3	7.5		4.8	2.0
	10.3	7.5		3.5	0.7
2+00	11.0	8.2		2.7	+0.1

N120+00

Dist	Sound	Elev
4+00	2.0	+0.8
28	1.5	+1.3
11:27	1.2	+1.6
	0.7	+2.1
	0.3	+2.5

11-01-57

W. 193+00; 0+00 = N. 12000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+50					
28	0.5	+2.3	50		
12:00	1.2	+1.6			
	2.0	+0.8			
	5.0	2.2			
1+00	7.0	4.2			
	9.1	6.3	3+00		
	10.2	7.4			
	10.6	7.8			
	11.0	8.2			
50	11.0				
	11.0				
	11.0		50		
	11.0				
	11.0	8.2			
2+00	10.8	8.0			

W. 194+00; 0+00 = N. 12000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00				11.0	8.2
28			2+00	10.8	8.0
12:07					
	0.0	+2.8			
50	0.5	+2.3			
	1.1	+1.7	50		
	2.0	+0.8			
	3.0	0.2			
	4.9	2.1			
1+00	6.8	4.0			
	8.5	5.7	3+00		
	8.9	6.1			
	9.2	6.4			
	9.2	6.4			
50	9.7	6.9			
	10.3	7.5	50		
	10.5	7.7			
	10.9	8.1			

11-01-57

W. 195+00; 0+00 = N 11,960 ; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(31)	11.1	8.0
(31)	0.1	+3.0	2+00	10.8	7.7
1:27	0.4	+2.7		10.9	7.8
	0.7	+2.4		11.1	8.0
	1.1	+2.0	1:30	11.2	8.1
50	1.3	+1.8		11.5	8.4
	1.8	+1.3	50	11.5	8.4
	2.5	+0.6		11.3	8.2
	3.2	0.1		11.8	8.7
	4.0	0.9		11.9	8.8
1+00	5.0	1.9		11.6	8.5
	5.6	2.5	3+00	11.5	8.4
	8.0	4.9			
	9.4	6.3			
	10.6	7.5			
50	11.0	7.9			
	11.3	8.2			
	11.2	8.1			
	11.2	8.1			

W. 196+00; 0+00 = N 11,700.07; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
1+00	0.5	+2.7	(32)	10.4	7.2
(32)	1.0	+2.2	3+00	10.4	7.2
1:35	1.7	+1.5		10.6	7.4
	2.2	+1.0		11.0	7.8
	2.7	+0.5		10.8	7.6
50	3.3	0.1		11.0	7.8
	4.0	0.8	50	10.9	7.7
	4.9	1.7		10.9	7.7
	5.6	2.4			
	6.3	3.1			
2+00	6.7	3.5			
	6.7	3.5	4+00		
	7.0	3.8			
	8.0	4.8			
	8.3	5.1			
50	9.1	5.9			
	9.6	6.4			
	10.0	6.8			
	10.2	7.0			

11-01-57

W.197+00; 0+00 = N11,728.23; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+40	0.0	+3.2	32	11.3	8.1
50	1.2	+2.0		11.5	8.3
1+43	2.0	+1.2	50	11.6	8.4
	2.5	+0.7	1+45	11.6	8.4
32	3.2	0.0		11.7	8.5
	4.2	1.0			
1+00	5.6	2.4			
	7.5	4.3	3+00		
	9.0	5.8			
	9.7	6.5			
	10.0	6.8			
50	10.1	6.9			
	10.1	6.9			
	10.3	7.1			
	10.7	7.5			
	10.7	7.5			
2+00	10.9	7.7			
	11.1	7.9			
	11.3	8.1			

W.198+00; 0+00 = N11,712; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+40	0.5	+2.8	33	10.3	7.0
50	1.8	+1.5	1+53	10.5	7.2
33	2.7	+0.6	50	10.3	7.0
1+50	3.4	0.1		10.2	6.9
	3.9	0.6		10.2	6.9
	5.5	2.2		10.2	6.9
1+00	5.3	2.0			
	5.6	2.3	3+00		
	6.4	3.1			
	7.8	4.5			
	9.1	5.8			
50	9.3	6.0			
	9.5	6.2			
	9.5	6.2			
	9.5	6.2			
	9.6	6.3			
2+00	9.7	6.4			
	10.0	6.7			
	10.2	6.9			

11-4-57

CROSS SECTIONS SANTA CLARA POINT

"Clara" L.P.Tk. S.E. Cor. Sidewalk

B.M. @ Restaurant Bldg	12.70	
Direct Elev. Rod Used		
N. 116+00; 0+00 = W. 19193.65	Elev	
0	12.6	
E 33	10.1	
E 41	7.9	
E 74	4.2	
N. 117+00; 0+00 = W 19,217.66		
0	12.4	
E 34	9.6	
E 42	7.9	
E 84	3.6	
N. 118+00; 0+00 = W 19241.67		
0	12.5	
E 21	12.4	
E 50	7.6	
E 88	3.2	
N. 119+00; 0+00 = W 19265.41		
Sta	Elev.	
0	12.7	
E 22	12.0	
E 45	7.4	
E 84	3.2	
N. 120+00; 0+00 = W 19,289.41		
0	6.6	
E 28	5.0	
E 70	3.0	
W. 193+00; 0+00 = N. 12,000		
0	7.1	
S 11	7.3	
S 26	9.3	
S 50	12.6	Top
N 41	3.4	
W. 194+00; 0+00 = N. 12,000		
0	6.2	
S 9	7.7	
S 34	12.0	
N 32	3.3	
TP.	12.24	

11-4-57

W.195+00; 0+00 = N. 11,860

Sta	Elev	
0	12.2	
N 28	11.6	
N 56	8.8	
N 57	7.3	
N. 110	3.4	

W.196+00; 0+00 = N. 11,744.07

0	11.2	
S 13.8	12.97	Top N14 Curb
N. 50	6.5	
N 100	2.7	

W.197+00; 0+00 = N. 11,728.23

0	8.5	
S. 15	10.5	
S 33	11.4	
S 33.7	12.08	Top Curb
N 17	6.3	
N 48	2.3	

Top. L-8 Disk
TBM. N11,976.60; W20,034.09 — 8.43

N.118+00; 0+00 = W 20005.12

Sta.	Elev	
0	8.55	Sidewalk
E 6	8.6	
E 38	9.6	
E 60	8.1	
E 100	6.2	
E 130	2.8	

N.120+00; 0+00 = W 20,040.83

0	8.53	S. Walk
E 30	9.2	
E 50	8.8	
E 95	6.4	
E 125	2.3	

N.122+00; 0+00 = W. 20,098.43

0	8.50	S. Walk
E 25	8.1	
E 50	8.0	
E 96	6.6	
E 127	2.5	

11-4-57

N.124+00; 0+00 = W20,166.91

Sta	Elev	
0	8.60	S. Walk
E 25	8.6	
E 50	8.2	
E 75	8.0	
E 100	7.8	
E 112	7.0	
E 150	2.8	
TP.	9.03	

N.126+00; 0+00 = W20,237.56

0	8.59	S. Walk
E 25	8.6	
E 50	8.5	
E 80	6.9	
E 100	4.2	

N.128+00; 0+00 = W20,308.21

Sta	Elev	
0	8.53	S. Walk
E 50	7.7	
E 70	6.9	
E 100	2.9	

N.130+00; 0+00 = W.20,378.86

0	8.56	S. Walk.
E 50	7.4	
E 70	6.4	
E 109	1.9	W. 20,270

N.132+00; 0+00 = W 20,425.11

0	8.44	S. Walk
E 50	7.1	
E 80	3.4	
E 95	2.4	W20,330

TBM	N. 13059.42 W. 20399.85	P.I.	8.56	Top L. of Disk
TBM.	Top RE Disk No 469		8.56	" "

Verona Court & Bayside Walk.

11-14-57

N.134+00; 0+00 = W.20433.79

Sta	Elev	
0	8.3	
E 40	7.9	
E 75	3.7	

N.135+00; 0+00 = W.20,431.94

0	8.50	S. Walk
E 40	8.0	
E 75	3.8	

N.136+00; 0+00 = W20,388.36

0	7.39	on Hub
E 12	6.8	
E 28±	4.4	

N.138+00; 0+00 = W 20,389.04

0	7.93	on Hub
E 13	7.2	
E 39	4.0	

N140+00; 0+00 = W20,355.56

0	8.61	
E 18	8.1	
E 55	3.7	

W.203+00; 0+00 = N14039.77

Sta.	Elev	
TP.	8.42	
0	6.7	
N 10	8.0	
S 12	6.1	Bulkhead Line (Wooden)
S 30	4.2	

W.202+00; 0+00 = N14,111.34

0	5.4	
N. 4	6.3	Wooden bulkhead
N. 4	7.7	
N 25	8.2	
S 11	4.2	

W.201+00; 0+00 = N14182.92

0	5.9	
N 8±	6.8	B.H. Line
N 8±	8.4	
N 25	8.7	
S 13	4.3	

W. 200+00; 0+00 = N 14254.49

Sta.	Elev.	
0	8.78	on Hub
S 13	6.0	B.H. Line
S 25	4.5	

W. 199+00; 0+00 = N 14,326.07

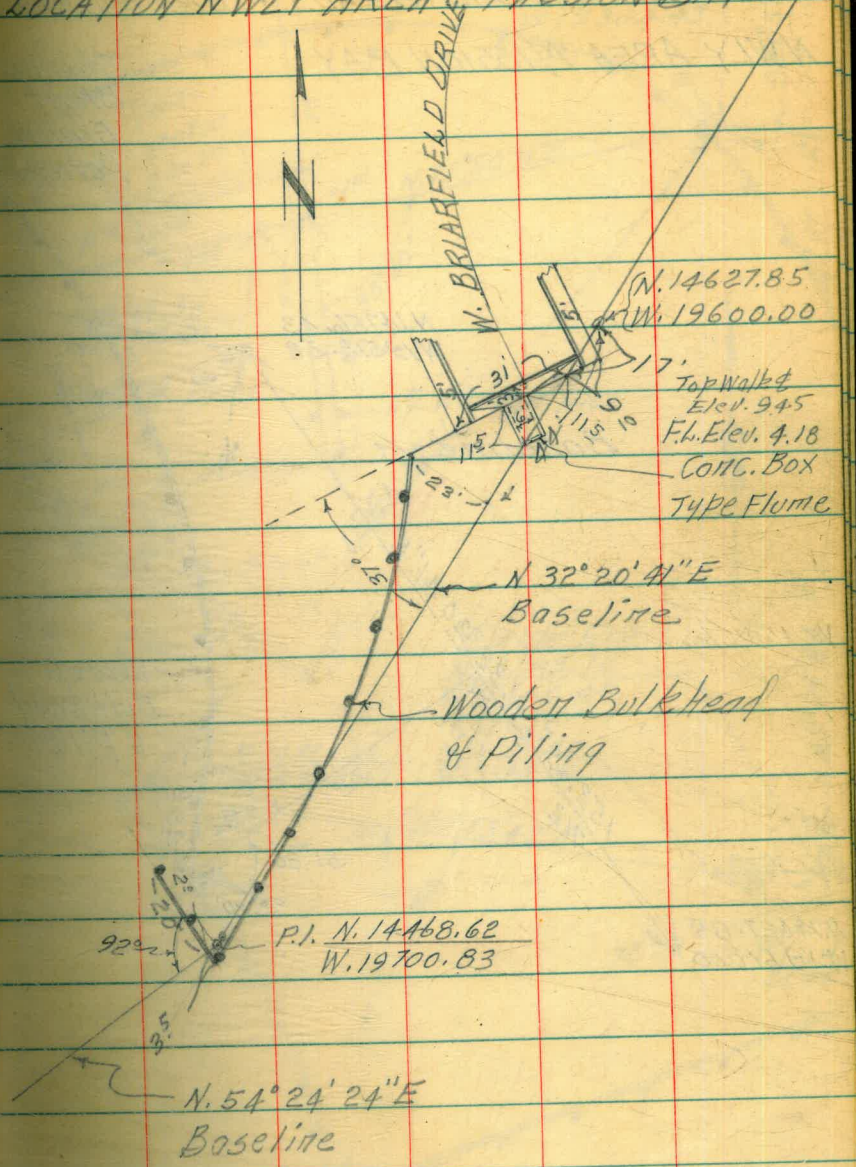
0	7.8	
N 25	9.6	
S 22	5.6	B.H.
S 36	4.3	

W. 198+00; 0+00 = N 14,397.65

0	7.0	
N 6	7.4	
N 12	10.0	
S 28	4.5	
1 TBM.	9.05	P.I. Hub

(X-Sec's Contd. Pg. 54)

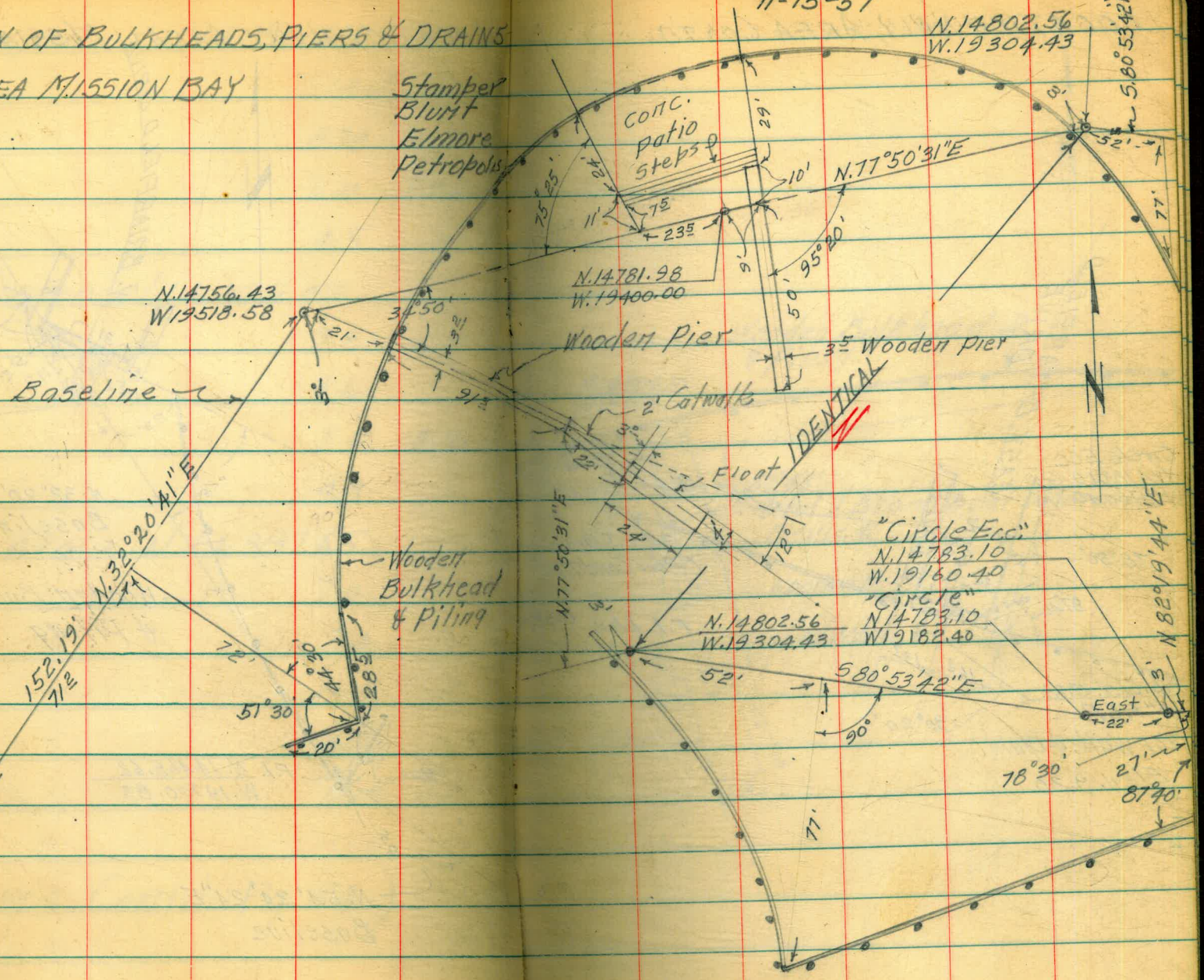
LOCATION N'WLY AREA, MISSION BAY



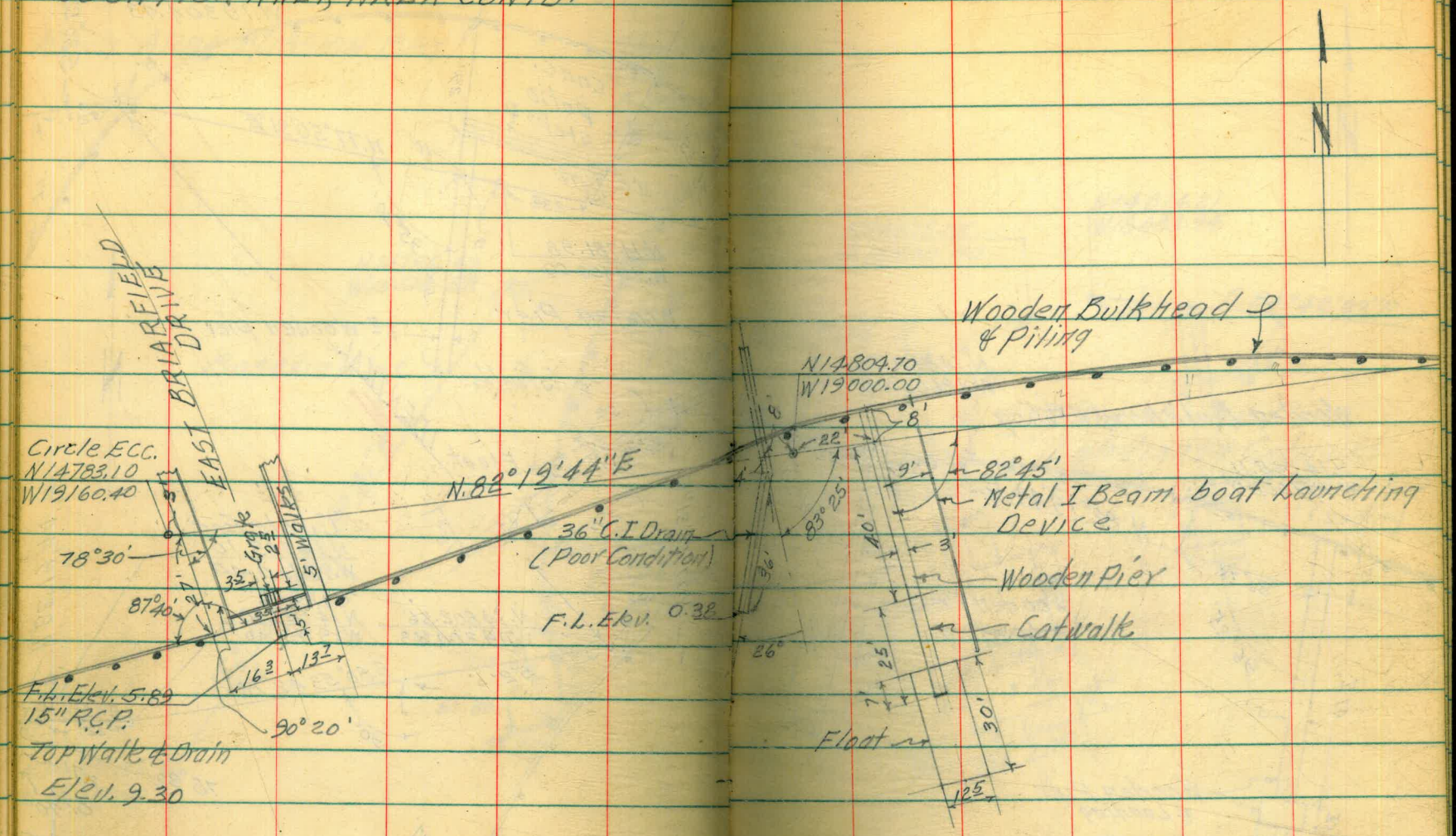
11-15-57

LOCATION OF BULKHEADS, PIERS & DRAINS

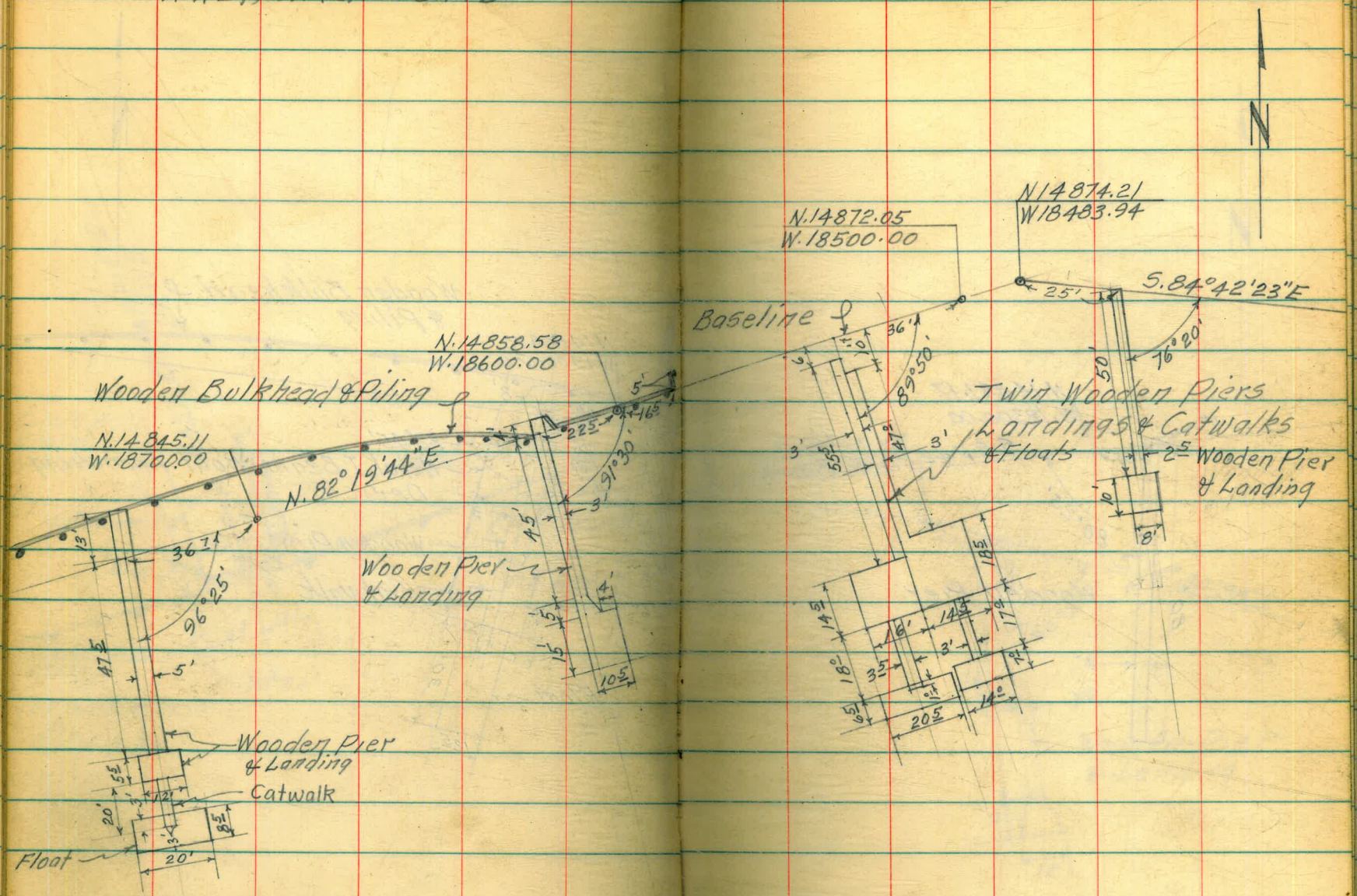
NWLY AREA MISSION BAY



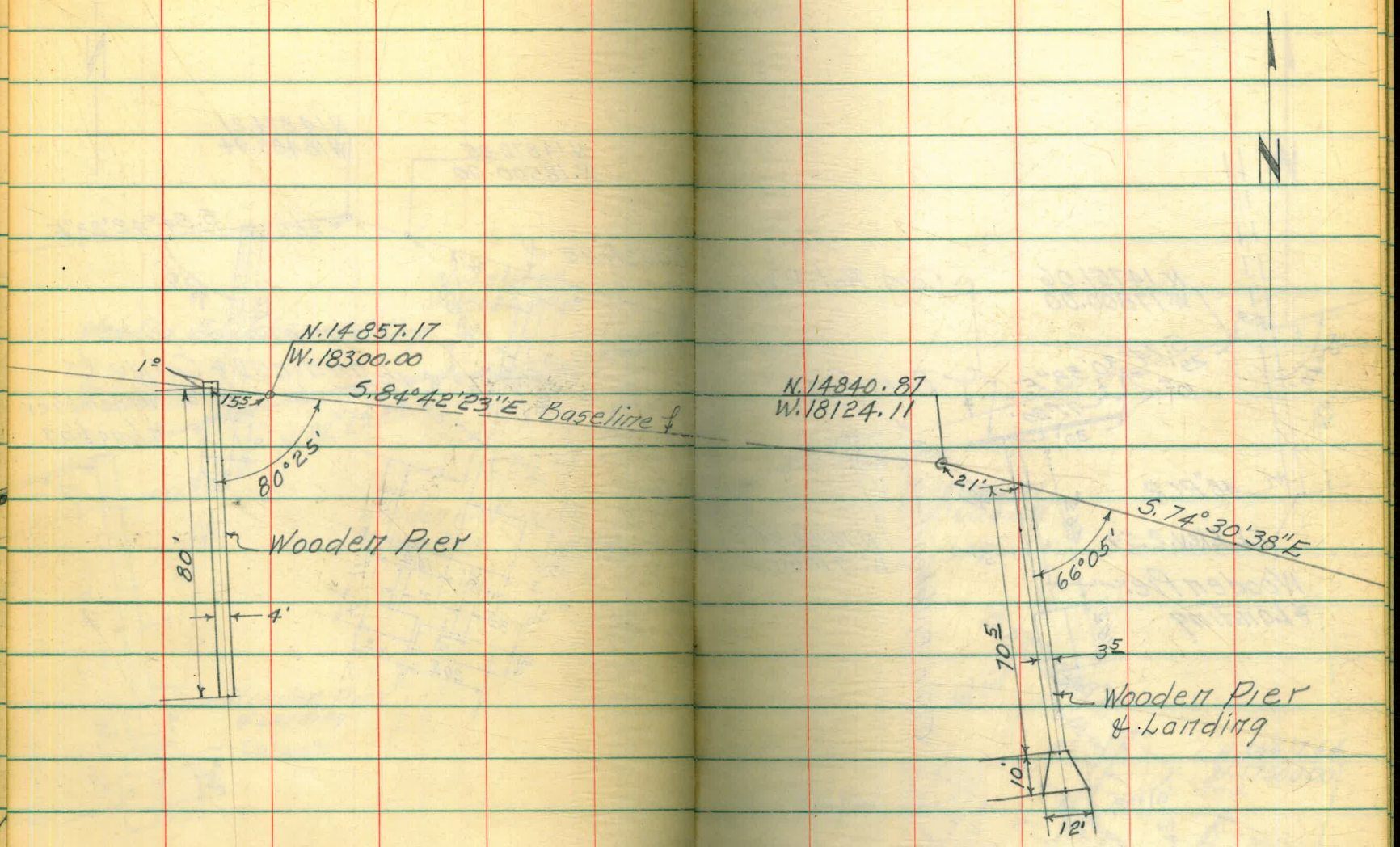
LOCATION N'WLY, AREA CONT'D.



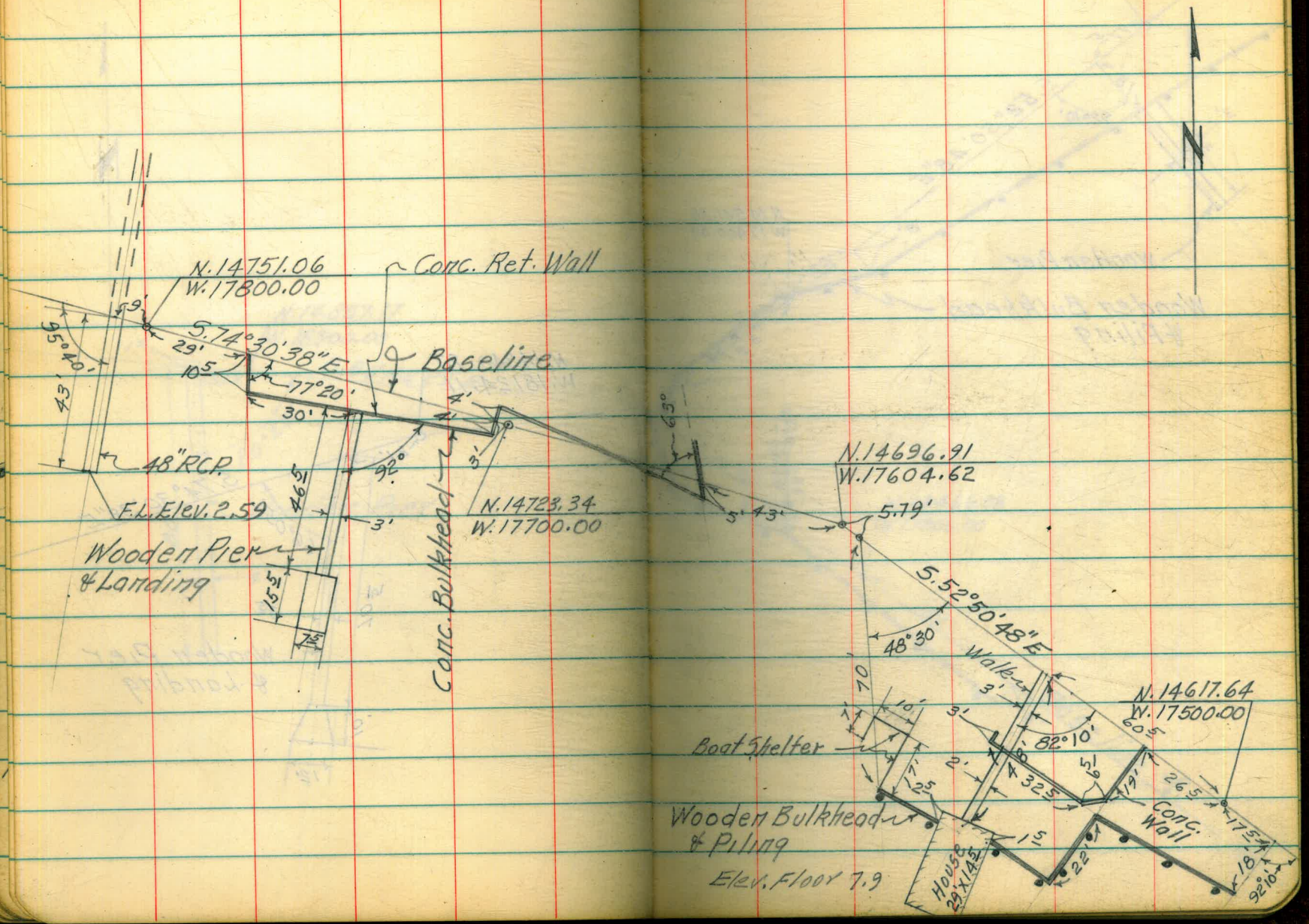
NWLY. AREA CONT'D.



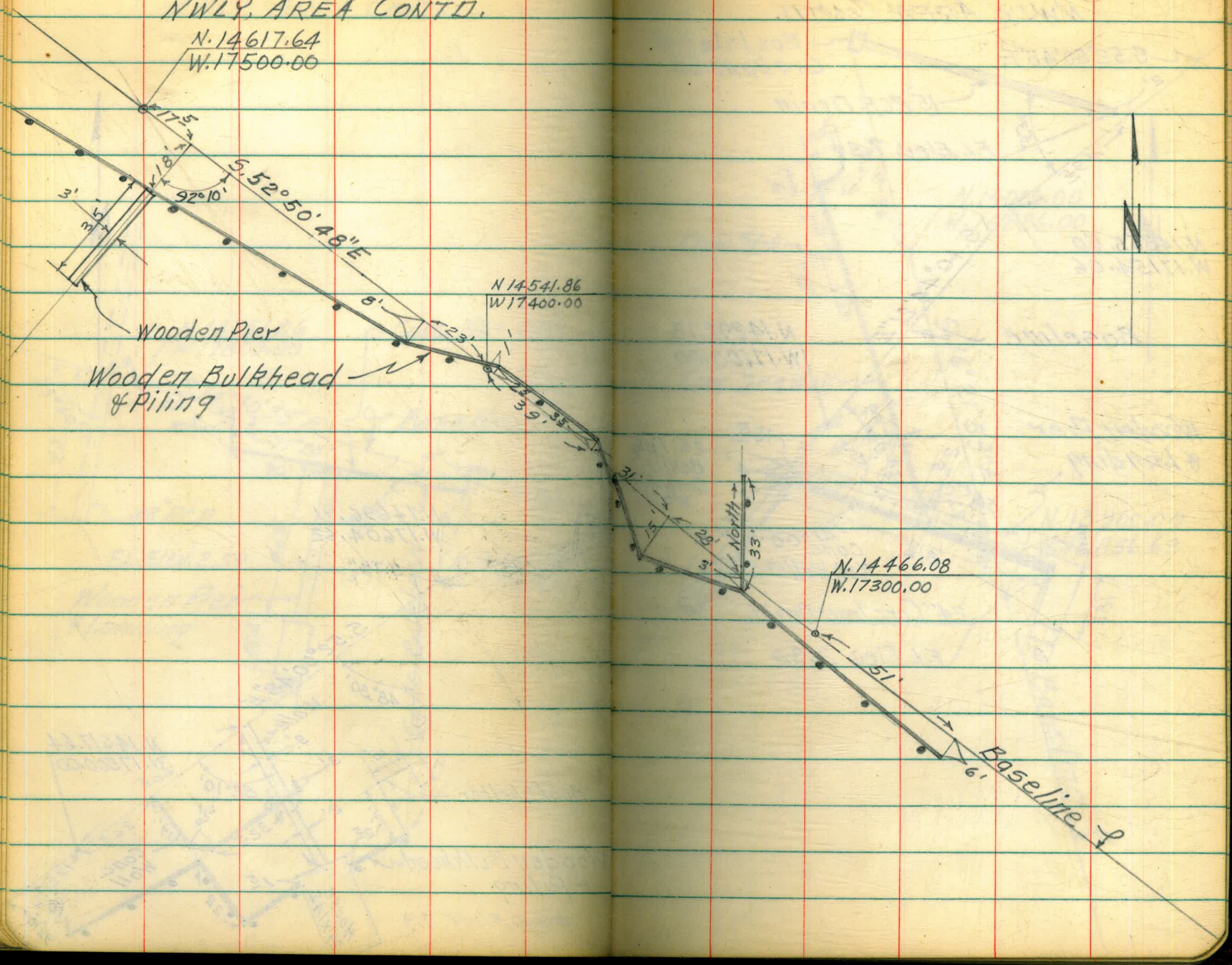
NWLY. AREA CONTD.



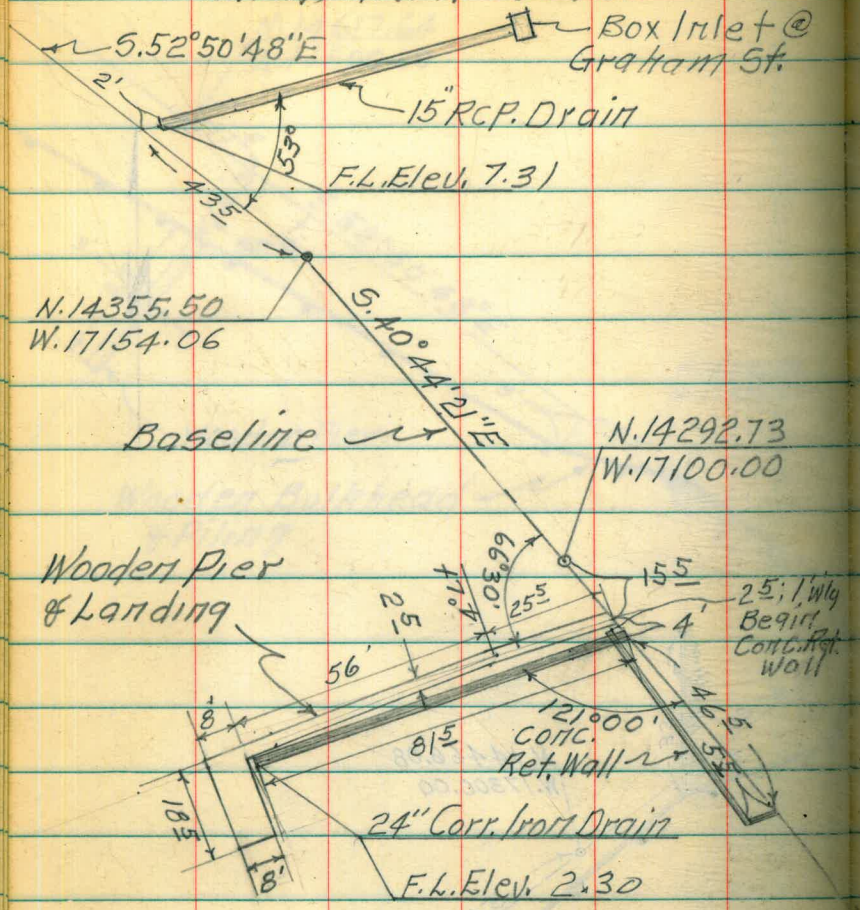
N'WLY. AREA CONT'D

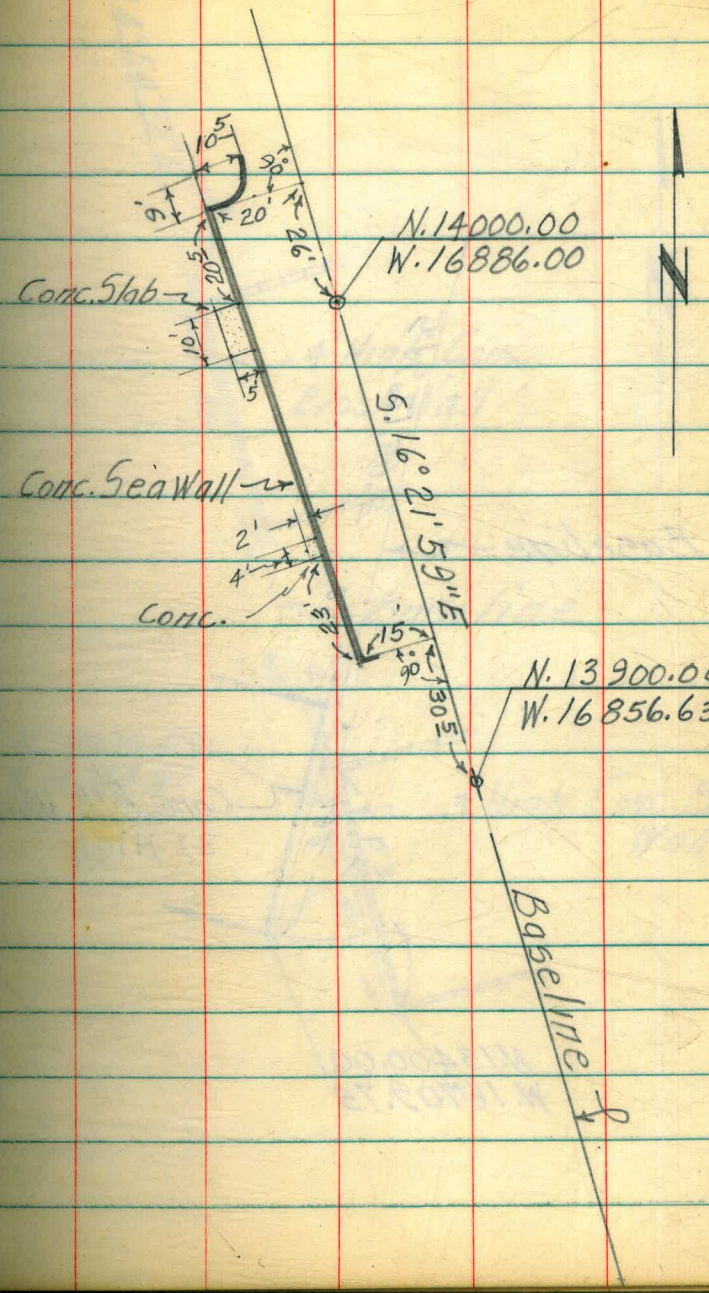


NWLY. AREA CONT'D.

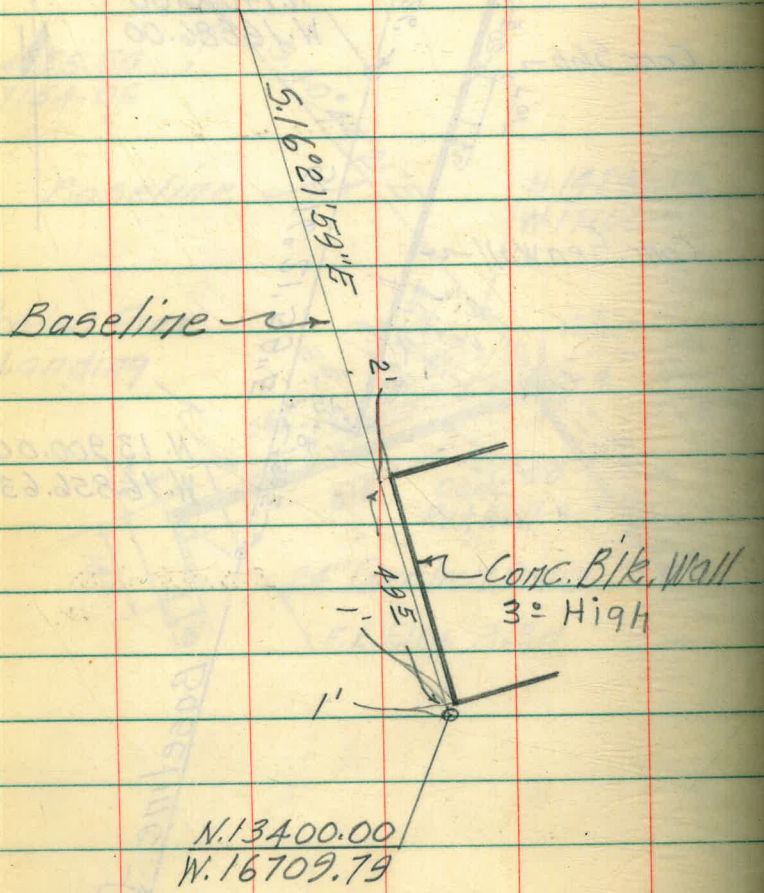


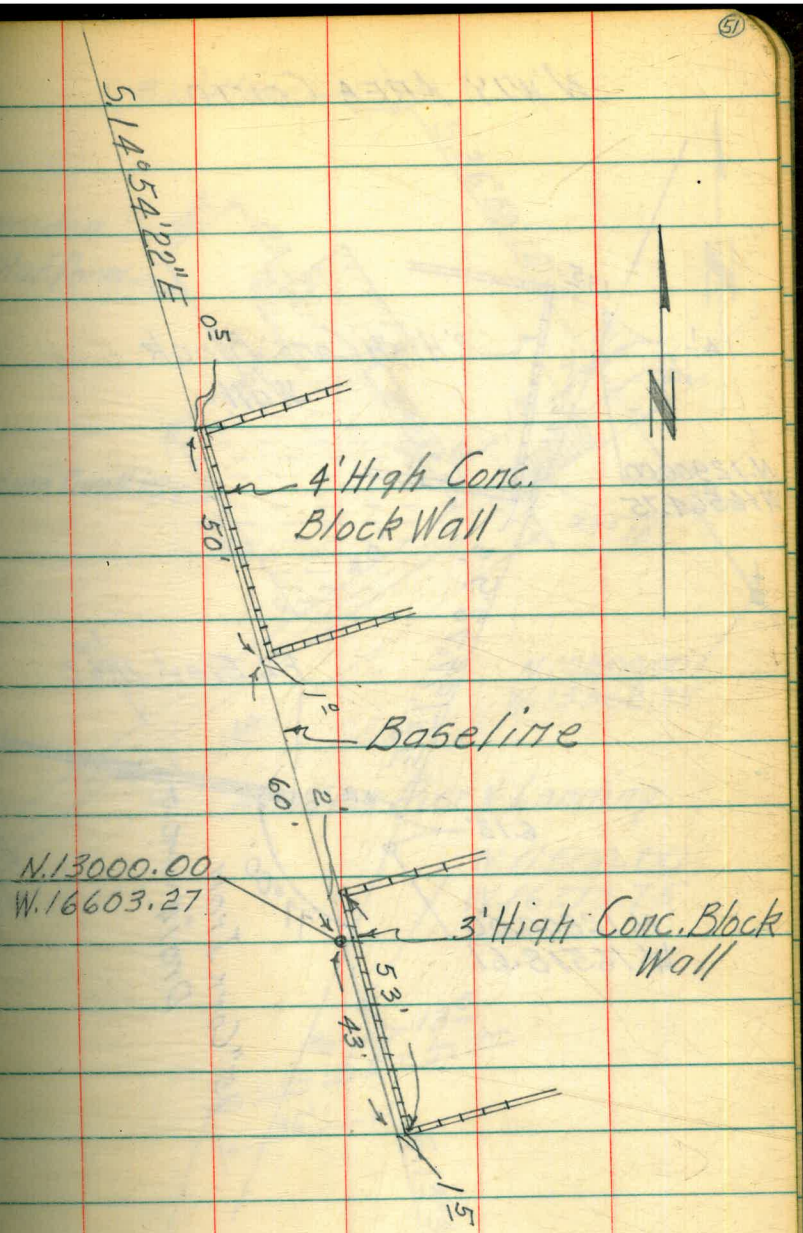
N'WLY. AREA CONT'D.



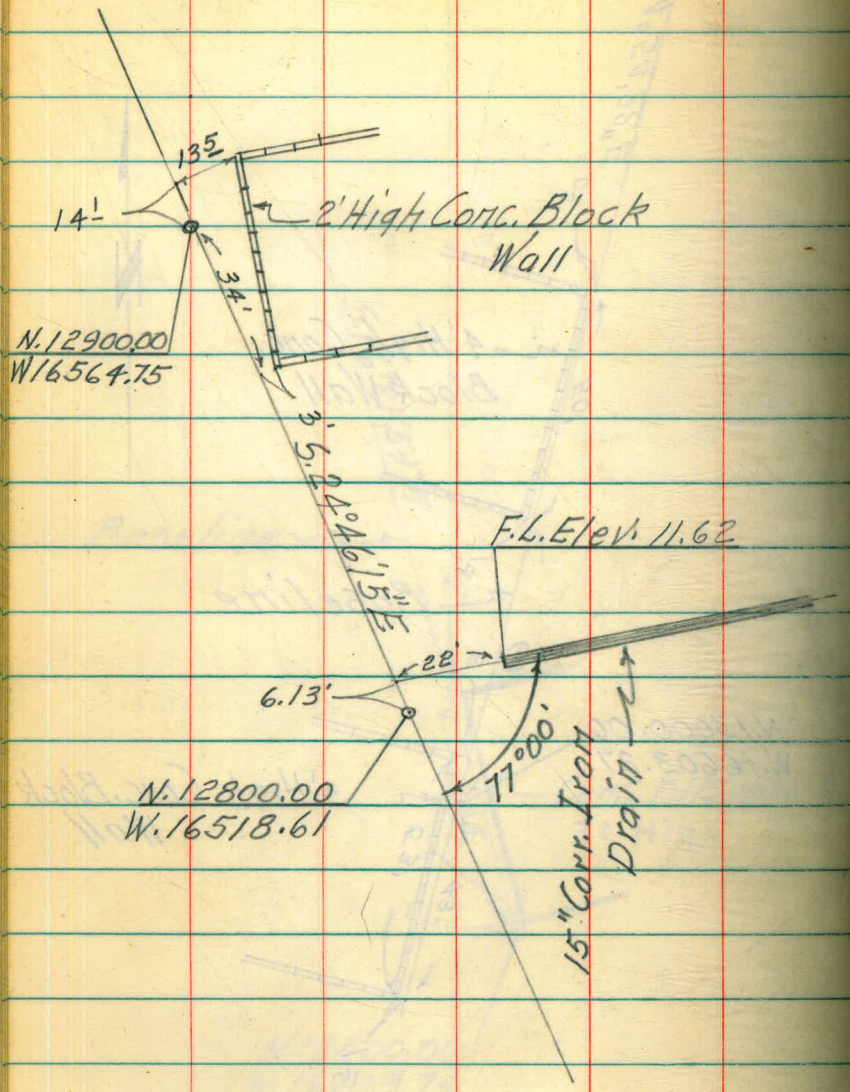


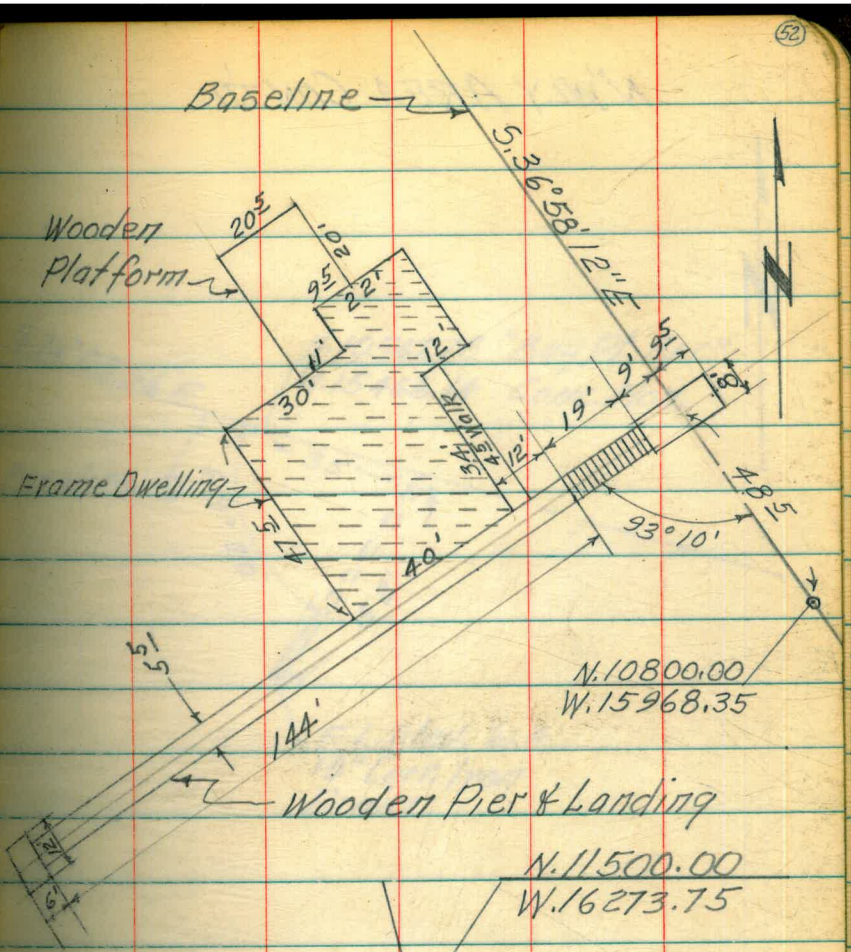
NWLY. AREA CONT'D.

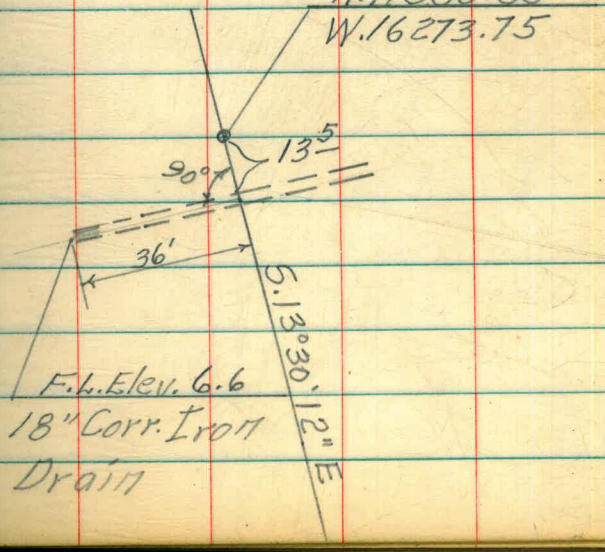




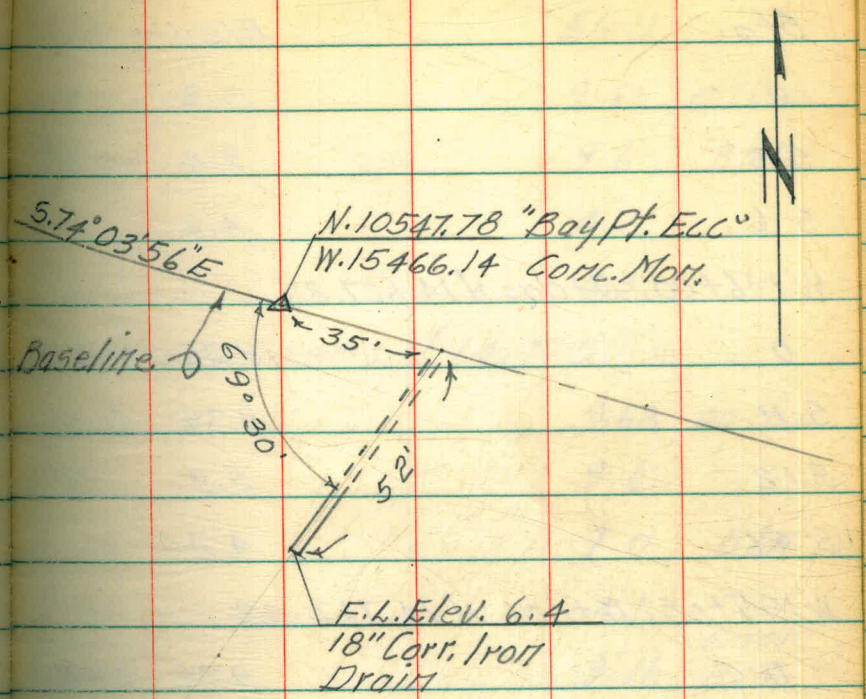
N'WLY. AREA CONT'D.







N'WLY AREA CONT'D.



(Contd from Pg. 43) 11-18-57

W. 197+00; 0+00 = N. 14469.94

Sta.	Elev	
0	9.3	
S 3	9.4	B/H
S 6	4.4	

W 196+00; 0+00 = N 14,627.85

0	9.26	on Hub
S 11	9.39	Conc.
S 12	5.9	
S 26	4.4	

W 195+00; 0+00 = N 14,760.43

0	9.78	on Hub
S 16	9.7	B/H
S 16	4.8	
S 30	4.6	

W. 194+00; 0+00 = N. 14,782

0	6.13	on Hub
N 11	7.13	bot Stk
N 15	9.12	Top Stk
S 22	4.0	

W. 193+00; 0+00 = N 14801.85

Sta	Elev	
0	9.51	on Hub
S 6	9.6	B/H.
S 6	4.7	
S 22	4.3	

W. 192+00; 0+00 = N 14,770

0	9.68	on Hub
S 9	9.6	
S 27	7.0	B/H.
S 27	4.1	
TBM.	9.11	Circle ECG.
TP.	10.295	

W. 191+00; 0+00 = N 14,791.23

0	9.7	
S 17	9.2	B/H
S 18	5.6	
S 31	3.9	

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W.190+00; 0+00 = N 14,804.70

Sta	Elev	
0	5.20	on Hub
N 8	6.7	
N 10	9.1	
S 5	4.4	

W.189+00; 0+00 = N. 14,818.17

0	5.76	on Hub
N. 8	6.7	B/H
N. 8	8.72	
S. 18	3.5	

W.188+00; 0+00 = N. 14,831.64

0	6.07	on Hub
N 14	6.8	
N 14	8.85	B/H
S 22	3.8	

W.187+00; 0+00 = N 14,845.11

0	6.40	on Hub
N 11	6.9	
N 11	9.56	B/H
S 35	3.7	

W.186+00; 0+00 = N 14,858.58

Sta.	Elev.	
0	8.97	on Hub
S 1	9.0	B/H
S 1	7.1	
S 39	3.7	

W 185+00; 0+00 = N 14,872.05

TP.	8.44	
0	9.07	on Hub
S 10	8.4	
S 62	3.3	
IBM	9.50	Pipe Pl N° 1

W.184+00; 0+00 = N 14,864.44

0	8.12	on Hub
N 23	11.7	
S 56	3.5	

W 183+00; 0+00 = N 14,857.17

0	8.84	on Hub
S 6	8.7	
S 10	6.6	
S 57	3.5	

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W.182+00; 0+00 = N 14847.91

0	9.40	on Hub
S 8	8.6	
S 9	6.6	
S 48	3.4	

W.181+00; 0+00 = N 14834.19

0	8.74	on Hub
S 6	7.1	
S 54	3.8	

W.180+00; 0+00 = N 14,806.48

0	6.9	~~on Hub~~
N 7	7.8	
N 12	9.7	
S 46	3.8	

W.179+00; 0+00 = N 14,778.77

0	6.44	on Hub
N. 13	7.3	
N. 13	9.25	Conc. B.C. Top Wall
S 39	3.4	
TP	7.12	

W.178+00; 0+00 = N 14,751.06

Sta	Elev	
0	6.77	on Hub
N 11	8.8	
S 61	3.1	

W.177+00; 0+00 = N. 14,723.34

0	8.56	Ramp R/Head
N 5	10.32	Conc. Patio
S 5	7.2	
S 53	3.8	

W.176+00; 0+00 = N 14,693.41

0	10.15	on Hub
S 10	10.0	
S 18	7.2	
S 83	3.2	
TBM.	10.08	W.175+26± Prop Pipe 43.200'

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W.175+00; 0+00 = N 14,617.64

Sta.	Elev	
0	8.98	on Hub
S 22	8.40	B/H
S 22	6.3	
S 68	3.5	

W.174+00; 0+00 = N 14,541.86

0	6.72	on Hub
N 2	7.3	
N 2	9.33	Top B/H
S 72	3.2	

W.173+00; 0+00 = N 14466.08

0	9.1	
S 10	9.0	B/H.
S 10	6.8	
S 86	3.3	

W.172+00; 0+00 = N 14390.31

0	8.76	on Hub
N 10	16.6	
S 5	6.2	
S 80	3.4	

W.171+00; 0+00 = N 14,292.73

Sta.	Elev.	
0	8.10	
N 5	9.5	
S 17	6.0	
S 20	4.4	
S 73	3.3	

W.170+00; 0+00 = N 14,176.63

0	6.50	on Hub
K 20	9.2	
S 77	3.6	

N.140+00; 0+00 = W 16,886

0	9.30	on Hub
W 20	8.88	Conc B/H.
W 20	5.9	
W 76	2.9	
TP. (Plotted Roll 27 BEJ)	6.84	

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N.138+00; 0+00 = W.16,856.63

Sta.	Elev	
0	6.58	on Hub
E12	9.8	
W57	3.1	

N.138+00; 0+00 = W16827.26

0	7.58	
E1	8.7	
E8	8.9	
E13	14.0	
W59 (Plotted Roll 27 BEJ)	2.3	

N136+00; 0+00 = W16,768.52

0	5.71	
E13	7.7	
E18	9.8	
E42	11.5	
E50	15.0	
W59 (Plotted Roll 27 BEJ)	2.4	

N.134+00; 0+00 = W.16,709.79

Sta	Elev	
0	6.07	
E14	9.9	
E29	11.5	
E42	14.5	
W60 (Plotted Roll 27 BEJ)	2.6	

N.132+00; 0+00 = W.16,656.61

0	6.23	on Hub
E15	10.2	
E50	11.9	
E55	14.2	
W67 (Plotted Roll 27 BEJ)	2.6	

N130+00; 0+00 = W16603.27

TBM	9.89	Red Head Top Conc blk Wall N.134+07±
0	5.85	
E2	6.1	
E2	8.75	Top Conc blk. Wall
E3	8.5	
E13	8.6	
E22	13.1	
W73 (Plotted Roll 27 BEJ)	2.7	

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N.128+00; 0+00 = W.16,518.61

Sta	Elev.
0	5.55
E 15	6.8
E 26	12.2
W 89 (Plotted Roll 27 BEJ)	3.5

N.127+00; 0+00 = W.16 ?

TP.	14.97
TP.	23.73
0	27.4
W 5	26.0
W 18	7.4
W 68	3.1

N.126+00; 0+00 = W.16,445.52

0	27.0
W 5	26.1
W 11	17.2
W 27	6.3
W 75 (Plotted Roll 27 BEJ)	2.7

N.124+00; 0+00 = W 16,408.85

Sta	Elev
0	30.0
W 12	29.2
W 33	6.6
W 79 (Plotted Roll 27 BEJ)	2.8

N.122+00; 0+00 = W.16,413.42

0	30.4
W 15	28.2
W 21	16.9
W 33	5.3
W 43 (Plotted Roll 27 BEJ)	4.8

N.120+00; 0+00 = W.16,393.82

0	28.7
E 1	29.5
W 4	23.2
W 36	5.1
W 54	4.1
TBM. (Plotted Roll 27 BEJ)	28.63

N. 118+00
Chisl + in Curb
W. Side Crown
Pk. Drive

11-18-57

N. 118+00; 0+00 = W. 16,345.79

Sta.	Elev.	
0	30.0	
W 17	29.7	
W 31	18.3	
W 40	7.0	
W 56	5.2	

(Plotted Roll 27 BEL)

N 116+00; 0+00 = W 16,297.76

0	27.6	
W 17	28.2	
W 24	27.0	
W 52	5.2	
W 68	4.2	

(Plotted Roll 27 BEL)

N 114+86.5 B/L

36° W 14 @ 90° to b/l. ℄ 18" Conc. Drain. from 6.6 F.L.

N 114+00; 0+00 = W. 16,249.73

Sta	Elev.	
0	27.46	Top W. Curb
W. 13	27.6	
W. 41	6.1	
W. 60	4.5	

N. 112+00; 0+00 = W. 16,201.70

0	28.63	on Hub
W 22	27.6	
W 48	6.4	
W 64	4.3	
TP	28.19	USED Watson
B.M.	28.12	28.083

N. 110+00; 0+00 = W. 16,118.90

0	30.4	
W 12	27.4	
W 17	25.0	
W 38	6.5	
W 49	5.5	

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N.109+00: 0+00 = W 16,043.63

Sta.	Elev	
0	26.18	On Hub
W. 10	24.5	
W. 24	17.8	
W. 36	13.4	
W. 47	7.9	
W. 84	5.0	

N.108+00: 0+00 = W 15,968.35

0	24.67	On Hub
W. 9	24.6	
W. 20	22.3	
W. 39	7.7	
W 78	5.2	

N.107+00: 0+00 = W. 15,893.08

0	26.20	On Hub
W. 11	26.2	
W. 16	24.0	
W. 41	7.3	
W 73	4.7	

N.106+00: 0+00 = W 15,649.03

Sta.	Elev
0	36.7
W. 71	33.7
W. 95	28.7
W. 135	15.0
W 154	12.4
W 169	7.3
W 205	5.8
W 269	3.5

W. 158+00: 0+00 = N. 10,643.10

0	29.7
S 21	29.8
S 52	7.4
S 139	3.2

W. 157+00: 0+00 = N. 10 614.55

0	34.1
S 25	34.2
S 61	8.0
S 85	5.5
S 128	5.9
S 176	3.1

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W. 156+00; 0+00 = N. 10586.00

Sta.		Elev.	
TP.		36.73	
0		38.1	
5.6		38.1	
5.50		9.4	
5.76		5.4	
5.108		4.8	
5117		5.8	
5147		3.2	
W. 155+00; 0+00 = N. 10,557.45			
0		38.1	
5.47		8.5	
5.70		4.7	
5.119		2.4	
BM.		38.56	38.576

11-30-57

W. 154+00; 0+00 = N 10,200; SOUND SOUTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.4	+0.3	3.7	13.9	10.2
37	3.9	0.2	2+00	14.0	10.3
12.58	4.7	1.0		14.0	10.3
	6.2	2.5		13.3	9.6
	9.5	5.8		13.2	9.5
50	11.5	7.7		13.1	9.4
	12.2	8.5	50	12.9	9.2
	13.6	9.9		12.5	8.8
	14.1	10.4		12.0	8.3
	14.8	11.1		11.5	7.8
1+00	14.2	10.5		11.5	7.8
	14.4	10.7	3+00	11.1	7.4
	14.9	11.2	11.05	9.9	6.2
	14.9	11.2		6.3	2.6
	14.2	10.5		3.2	+0.5
50	14.1	10.4		2.1	+1.6
	13.6	9.9	50	1.5	+2.2
	13.9	10.2		0.9	+2.8
	13.7	10.0			

W. 154+00; SOUND NORTH 11-30-57

Dist	Sound	Elev	Dist	Sound	Elev
0+00			38	~~7.6~~	
38	3.0	+0.8	2+00	1.6	+2.2
1:08	2.2	+1.6		1.3	+2.5
	2.2	+1.6		1.0	+2.8
	2.2	+1.6		0.6	+3.2
50	2.6	+1.2	+	0.2	+3.6
	3.0	+0.8	50	+0.3	+3.9
	2.9	+0.9		+0.9	+4.5
	3.0	+0.8		+1.6	+5.2
	3.3	+0.5	+83	+3.4	+7.0
1+00	4.0	0.2	+85	+6.8	+10.4
	4.2	0.4	3+00	+11.1	+14.7
	4.5	0.7			
	4.8	1.0			
	4.7	0.9			
50	4.2	0.6			
	3.2	+0.6			
	2.5	+1.3			
	2.1	+1.7			
	1.9	+1.9			

11-30-57

W. 155+00; 0+00 = N 10,200; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			38	2.5	+1.3
38	2.6	+1.2	2+00	2.4	+1.4
1:18	2.7	+1.1		2.1	+1.7
	2.4	+1.4	1:20	1.8	+2.0
	2.3	+1.5		1.3	+2.5
50	2.3	+1.5		0.8	+3.0
	2.3	+1.5	50	0.4	+3.4
	2.4	+1.4			
	2.4	+1.4			
	2.8	+1.0			
1+00	3.4	+0.4			
	3.9	0.1			
	4.1	0.3			
	4.3	0.5			
	4.1	0.3			
50	3.4	+0.4			
	2.7	+1.1			
	2.2	+1.6			
	2.2	+1.6			

11-30-57

W. 156+00; 0+00 = N10,200; SOUND NORTH

DIST	Sound	Elev	DIST	Sound	Elev
0+00			38	2.3	+1.5
38	4.1	0.3	2+00	2.3	+1.5
1:25	3.7	+0.1		2.2	+1.6
	3.1	+0.7		1.8	+2.0
	2.8	+1.0		1.3	+2.5
50	2.8	+1.0		0.7	+3.1
	2.9	+0.9	50		
	2.9	+0.9			
	3.1	+0.7			
	3.1	+0.7			
1+00	3.1	+0.7			
	3.2	+0.6			
	4.0	0.2			
	4.2	0.4			
	4.3	0.5			
50	3.5	+0.3			
	3.0	+0.8			
	2.4	+1.4			
	2.3	+1.5			

W. 157+00; 0+00 = N10,200; SOUND NORTH

DIST	Sound	Elev	DIST	Sound	Elev
0+00			38	3.0	+0.8
38	3.9	0.1	2+00	2.8	+1.0
11:30	4.2	0.4		2.6	+1.2
	3.9	0.1		2.0	+1.8
	3.4	+0.2		1.4	+2.4
50	3.6	+0.2		0.8	+3.0
	4.0	0.2	50		
	4.0				
	4.0				
	4.0				
1+00	4.0	0.2			
	3.8	0.0			
	4.0	0.2			
	4.0	0.2			
	4.5	0.7			
50	4.5	0.7			
	4.0	0.2			
	3.6	+0.2			
	3.0	+0.8			

11-30-57

W158+00 : 0+00 = N10,200, SOUND NORTH

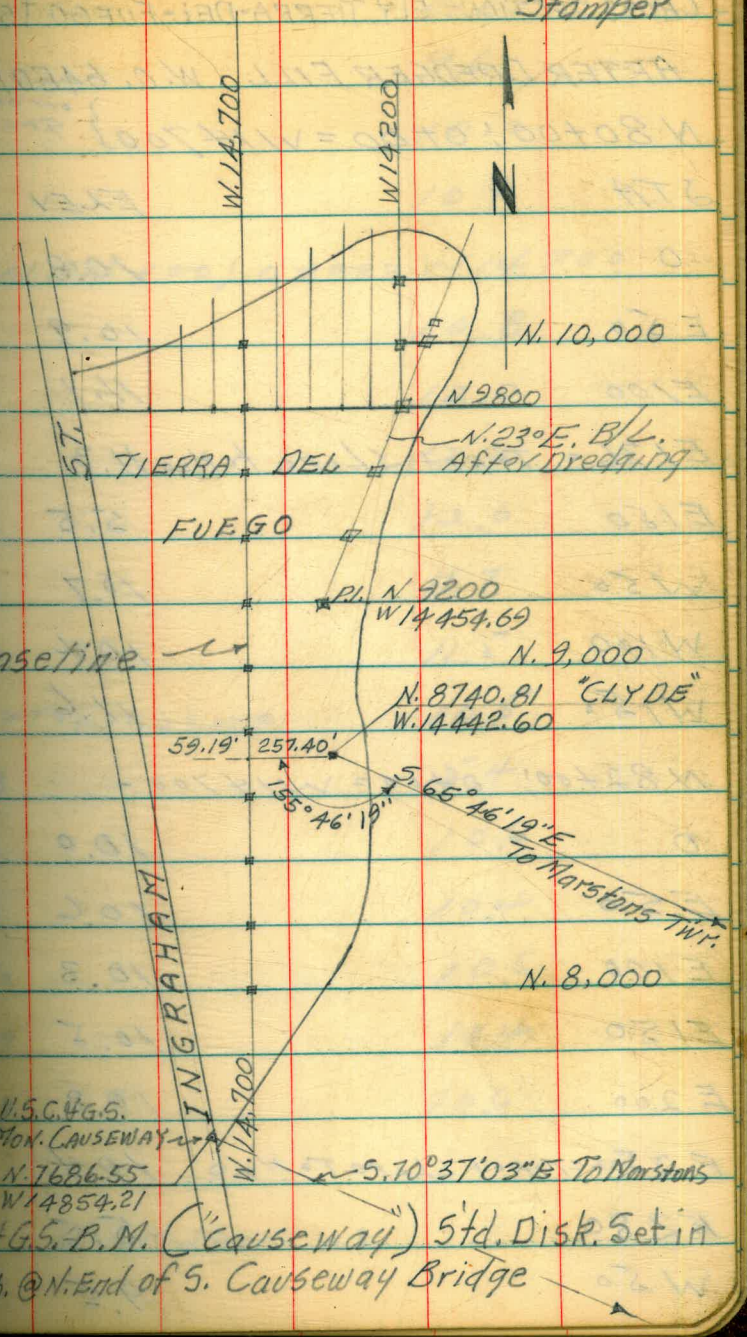
Dist	Sound	Elev	Dist	Sound	Elev
0+00			(39)	2.9	+1.0
(39)	3.6	+0.3	2+00	2.9	+1.0
1,35	3.6	+0.3		2.9	+1.0
	3.9	0.0		3.0	+0.9
	3.9	0.0		3.0	+0.9
50	4.0	0.1		2.9	+1.0
	4.0	0.1	50	2.1	+1.8
	4.0	0.1		1.6	+2.3
	3.7	+0.2		1.2	+2.7
	3.4	+0.5		1.0	+2.9
1+00	3.6	+0.3		0.9	+3.0
	3.9	0.0	3+00	0.7	+3.2
	4.0	0.1		0.4	+3.5
	4.4	0.5			
	4.5	0.6			
50	5.0	1.1			
	5.0	1.1			
	4.5	0.6			
	3.3	+0.6			

6-26-59

BASELINE LAYOUT FOR CROSS SECTIONS OF ELY TIERRA-DEL-FUEGO ISLAND

Sta.	B/L Dist	Bearing	Sta.	B/L Dist	Bearing
(Contd from P9.75)	108.636=100'G.				
N100+50 W14093.88	54.318'	N.23°E	N93+00 W14412.24	54.318	N.23°E
N100+00 W14115.10	"	"	N92+50 W14433.46	"	"
N99+50 W14136.33	"	"	N92+00 PT W14454.69	54.318	N.23°E
N99+00 W14157.55	"	"	N91+50 W14452.07	50.07	N.3°W
N98+50 W14178.78	"	"	N91+00 W14449.45	"	"
N98+00 W14,200.00	"	"	N90+50 W14446.83	"	"
N97+50 W14221.22	"	"	N90+00 W14444.21	"	"
N97+00 W14242.45	"	"	N89+50 W14441.59	"	"
N96+50 W14263.67	"	"	N89+00 W14438.97	"	"
N96+00 W14284.90	"	"	N88+50 W14436.35	"	"
N95+50 W14306.12	"	"	N88+00 W14433.73	"	"
N95+00 W14327.34	"	"	N87+50 W14431.11	"	"
N94+50 W14348.57	"	"	N87+00 W14428.49	"	"
N94+00 W14369.79	"	"	N86+50 W14425.87	"	"
N93+50 W14391.02	54.318'	N.23°E	N86+00 W14423.25	50.07	N.3°W
B.M. N°1		Contd P9.75		10.835	

Stamper



6-26-59 - ALLEN

CROSS SECTIONS ELY, TIERRA-DEL-FUEGO ISLAND

AFTER DREDGER FILL W.O. 64501

N 80+00; 0+00 = W14700 } ON ORIGINAL GROUND

STA	ELEV
0	10.8
E50	10.9
E100	11.1
E136 = Top of Slope to H2O	11.3
E150	5.5
W50	10.7
W100	10.4
W150	11.6

N 82+00; 0+00 = W14700 -

STA	ELEV
0	10.0
E50	10.6
E100	10.3
E150	10.5
E200	10.8
E250 = Top of Slope To H2O	10.4
E280	5.5
W50	9.5

STA N 82+00 Cont

STA	ELEV
W100	9.6
W150	10.0
W180	10.9

STA N 84+00; 0+00 = W14,700

STA	ELEV
0	10.8
E50	12.0
E100	12.2
E150	12.0
E200	11.7
E250	11.5
E300 = Top of Shore	10.5
E333	5.4
W50	10.6
W100	10.4
W150	10.6
W200	10.4
W220	10.6

CONT SHEET 68

STA N 86+00; 0+00 = W 14,700

STA	ELEV
0	12.3
E50	12.3
E100	11.6
E150	11.4
E200	10.9
E250	10.1
E300	9.9
E330	5.5
W50	11.9
W100	11.3
W150	10.9
W200	10.3
W250	11.1

TBM - ON Hub at N 86+00 W 14,700 — 12.33

STA N 88+00; 0+00 = W 14,700

STA	ELEV
0	11.5
E50	10.9
E100	10.6
E150	10.7

STA	ELEV
E200	10.2
E250	9.8
E280	9,8
E315	5.4
W50	12.3
W100	12.0
W150	11.3
W200	10.7
W250	9.9
W280	10.4

STA N 90+00; 0+00 = W 14,700 — 11.07 ON Hub

STA	ELEV
0	11.07
E50	11.2
E100	11.6
E150	10.9
E200	10.2
E250	10.3
E275	9,8
E305	5.4
W50	11.5

STA N 90+00 cont

STA		ELEV
W100		12.2
W150		12.3
W200		11.3
W250		10.4
W300		10.3
W340		11.2
TBM = Hub at	N9000 W14700	11.07
	6-29-59	

STA N 92+00; 0+00 = W 14700

STA		ELEV
0		11.5
E50		11.9
E100		12.2
E150		11.2
E200		10.8
E250		10.2
E290	= Top of Slope	9.7
E335	= Toe of Slope	3.8
W50		12.5
W100		12.0

STA N 92+00 cont

STA		ELEV
W150		12.6
W200		12.1
W250		11.3
W300		11.0
W350		10.9

STA N 94+00; 0+00 = W 14700

STA		ELEV
0		12.9
E50		12.3
E100		11.7
E150		11.3
E200		11.3
E250		10.4
E300		10.3
E340		10.2
E390		4.8
W50		13.1
W100		13.1
W150		12.6
W200		12.4
W250		11.3

STAN 94+00 cont

STA	ELEV
W300	10.6
W350	10.9
W400	11.6
STAN 96+00; 0+00 = W 14+700	
0	12.30
E50	12.5
E100	12.3
E150	12.4
E200	11.7
E250	11.4
E300	11.1
E350	10.5
E400	10.2
E410 = Top slope	10.6
E460	3.8
W50	12.2
W100	12.3
W150	12.6
W200	10.5
W250	10.0

on hub ground same

STAN 96+00 Cont

STA	ELEV
W300	9.7
W350	10.0
W400	9.8
W450	11.4
STA N 98+00; 0+00 = W14+700	
0	12.0
W50	11.8
W100	11.3
W150	11.7
W200	11.7
W250	11.3
W300	10.6
W350	10.3
W400	10.4
W450	11.4
E50	11.9
E100	11.7
E150	11.6
E200	12.2
E250	11.9

STA N98+00 CONT

STA	ELEV
E300	11.1
E350	10.7
E400	11.0
E450	10.2
FH88	11.0
E500	9.5
E548	3.0

STA W147+00; 0+00 = N9800

0	12.0
N50	11.6
N100	12.4
N150	11.8
N200	11.4
N210	10.0
N250	4.6
N265	2.9

STA W146+00; 0+00 = N 9800

0	11.7
N50	11.9
N100	12.2

STA W146+00 CONT

STA	ELEV
N150	11.7
N200	11.0
N250	10.5
N300	4.2
N310	2.7

STA W145+00; 0+00 = N 9800

0	12.2
N50	11.8
N100	11.6
N150	11.4
N200	11.5
N250	10.0
N300	10.8
N315	10.5
N350	7.9
N380	2.8

STA W144+00; 0+00 = 9800

N0	11.2
N50	10.9
N100	11.1

STA W 144+00 Cont

STA	ELEV
N150	10.8
N200	11.1
N250	10.9
N300	10.7
N350	10.7
N400	10.5
N450	4.0
N465	2.9

STA W 143+00; 0+00 = N 9800

0	11.0
N50	10.8
N100	10.6
N150	10.6
N200	10.9
N250	10.6
N300	10.4
N350	9.8
N400	10.1
N445	9.6
N500	2.8

STA W 142+00; 0+00 = N 9800

STA	ELEV
0	9.5
N20	10.0
N50	9.7
N100	10.5
N150	10.1
N200	9.5
N250	10.0
N300	10.4
N350	10.1
N400	10.3
N450	10.0
N470	9.5
N500	5.1
N520	2.5

STA N 102+00; 0+00 W 142+00

D	10.8
E50	10.1
E100	9.5
E115	9.2

STA N102+00 C.L EAST

Sta	ELEV
E175	2.9
STA N 101+00; 0+00 = W14200	
0	10.4
E50	10.0
E100	10.5
E125	10.6
E175	2.7
STA N 100+00; 0+00 = W14200	
0	9.5
E50	9.8
E96	9.6
E100	9.1
E145	2.9
STA N 99+00; 0+00 = W14200	
0	10.5
E40	9.9
E50	9.0
E100	2.8

STA W148+00; 0+00 = N 9800

STA	ELEV
0	11.3
N50	11.3
N100	12.4
N165	10.9
N200	6.3
N230	2.8
STA W149+00; 0+00 = N 9800	
0	11.7
N50	11.5
N100	11.0
N125	11.2
N150	7.5
N185	2.6
STA W150+00; 0+00 = N 9800	
0	10.6
N50	10.0
N90	10.6
N100	9.4
N145	2.4

6-29-59

STA W151+00; 0+00 = N 9800

STA	ELEV
0	10.5
N 50	9.9
N 100	5.2
N 120	2.8

STA W152+00; 0+00 = N 9800

0	12.8
N 30	11.4
N 50	8.6
N 100	4.4
N 135	2.8

BASELINE ELY. TIERRA. CONTD

Contd from Pg 65

Sta.	Dist	Bearing
N85+50 W14420.63	50.07	5.3° E
N85+00 W14418.01	"	"
N84+50 W14415.39	"	"
N84+00 W14412.77	"	"
N83+50 P.I. W14410.14	50.07	5.3° E
N83+00 W14436.73	56.63	5.28° W
N82+50 W14463.32	"	"
N82+00 W14489.90	"	"
N81+50 W14516.49	"	"
N81+00 W14543.07	"	"
N80+50 W14569.66	"	"
N80+00 W14596.25	"	"
N79+50 W14622.83	60.31	5.28° W
N79+00 W14656.55	60.31	534° W
N78+50 W14690.28	"	"
N78+00 W14724.00	"	"
N77+50 W14757.73	"	"
N77+00 W14791.455	60.31	534° W
CAUSEWAY	64.19'	N77°54'14"W

STA	DIST	BEARING
N9891.33 W150+00	54.318	5.67° W
N9912.55 W149+50	"	"
N9933.77 W149+00	"	"
N9955.00 W148+50	"	"
N9976.22 W148+00	"	"
N9997.45 W147+50	"	"
N10018.67 W147+00	"	"
N10039.89 W146+50	"	"
N10061.12 W146+00	"	"
N10082.34 W145+50	"	"
N10103.57 W145+00	"	"
N10124.79 W144+50	"	"
N10146.01 W144+00	"	"
N10167.24 W143+50	"	"
N10188.46 W143+00	"	"
N10209.69 W142+50	54.318	"
N10230.91 W142+00	48.85	"
N102+50 P.I. W14155.03		5.67° W
N100+50 W14093.88	209.14	N. 17° W

(Contd from Pg 66)

STA	DIST	BEARING
N10294.57 W140+50	54.318	N. 67° E
N10273.35 W141+00	54.318	"
N10252.13 W141+50	5.47	N 67° E
N10250.00 W14155.03		
N9806.43 W152+00	54.318	5.67° W
N.9827.65 W151+50	"	"
N.9848.79 W151+00	"	"
N.9870.10 W150+50	54.318	5.67° W

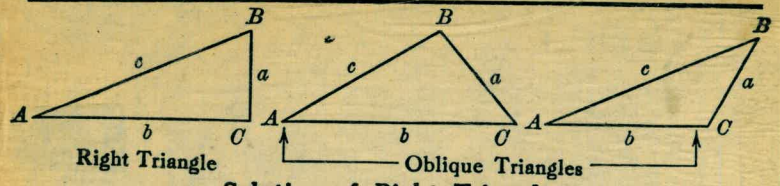
Boy Pl. 38576

0.7 2:33

AC 4-3 E 41

G Moore

TRIGONOMETRIC FORMULÆ



Right Triangle — Oblique Triangles

Solution of Right Triangles

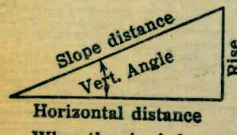
For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\operatorname{cosec} = \frac{c}{a}$

Given	Required	
a, b	A, B, c	$\tan A = \frac{a}{b} = \cot B, c = \sqrt{a^2 + b^2} = a\sqrt{1 + \frac{b^2}{a^2}}$
a, c	A, B, b	$\sin A = \frac{a}{c} = \cos B, b = \sqrt{(c+a)(c-a)} = c\sqrt{1 - \frac{a^2}{c^2}}$
A, a	B, b, c	$B = 90° - A, b = a \cot A, c = \frac{a}{\sin A}$.
A, b	B, a, c	$B = 90° - A, a = b \tan A, c = \frac{b}{\cos A}$.
A, c	B, a, b	$B = 90° - A, a = c \sin A, b = c \cos A$,

Solution of Oblique Triangles

Given	Required	
A, B, a	b, c, C	$b = \frac{a \sin B}{\sin A}, C = 180° - (A + B), c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a}, C = 180° - (A + B), c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180° - C, \tan \frac{1}{2}(A - B) = \frac{(a-b)\tan \frac{1}{2}(A+B)}{a+b}$, $c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a+b+c}{2}, \sin \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{bc}}$, $\sin \frac{1}{2}B = \sqrt{\frac{(s-a)(s-c)}{ac}}, C = 180° - (A+B)$
a, b, c	Area	$s = \frac{a+b+c}{2}$, area $= \sqrt{s(s-a)(s-b)(s-c)}$
A, b, c	Area	area $= \frac{bc \sin A}{2}$
A, B, C, a	Area	area $= \frac{a^2 \sin B \sin C}{2 \sin A}$

REDUCTION TO HORIZONTAL



Horizontal distance = Slope distance multiplied by the cosine of the vertical angle. Thus: slope distance = 319.4 ft. Vert. angle = 5° 10′. From Table, Page IX. cos 5° 10′ = .9959. Horizontal distance = 319.4 × .9959 = 318.09 ft. Horizontal distance also = Slope distance minus slope distance times (1 — cosine of vertical angle) With the same figures as in the preceding example, the following result is obtained. Cosine 5° 10′ = .9959. 1 — .9959 = .0041. 319.4 × .0041 = 1.31. 319.4 — 1.31 = 318.09 ft.

When the rise is known, the horizontal distance is approximately:—the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft., slope distance = 302.6 ft. Horizontal distance $= 302.6 - \frac{14 \times 14}{2 \times 302.6} = 302.6 - 0.32 = 302.28$ ft.