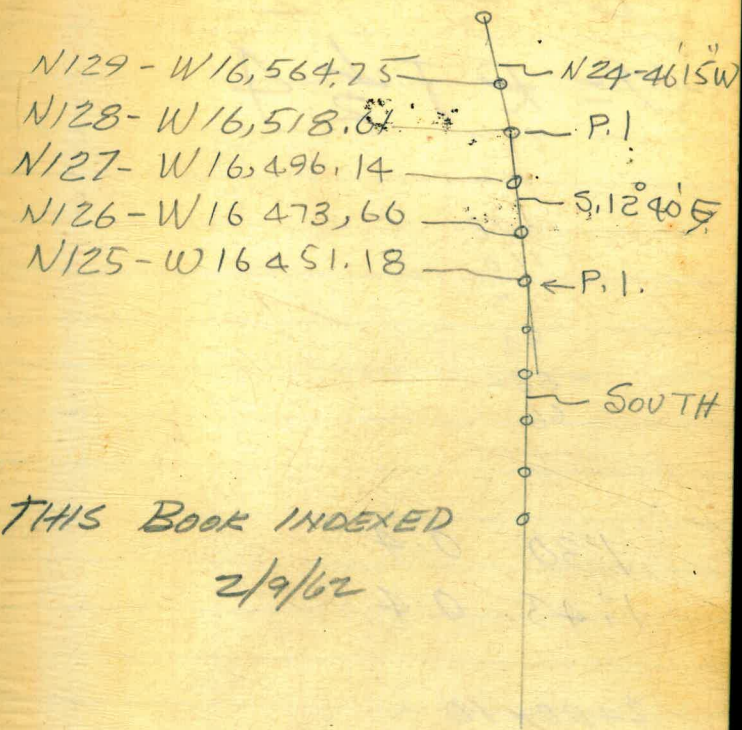


MICROFILMED

JAN 8 1950

MB No 126



THIS BOOK INDEXED

2/9/62

$$C = 2R \sin \frac{1}{2} A$$

$$T = R T \frac{1}{2} A$$

108
110
103
94
-88-
66

1:30 0.4

1:45 0.4

3+00-10

+25-10

+50-10

+75-20

4+ -20

+25-20

+50-20

2-03-60

STA. N. 100+50 - EAST

①

STA. N. 100+50, 0+00 = W. 14,050, SOUND EAST

DIST	Sound	Elev	DIST	Sound	Elev
0+00			(29)	10.5	7.6
(2.9)			50	10.5	7.6
	0.5	+2.4		10.4	7.5
<u>11.08</u>	2.2	+0.7	<u>11.10</u>	10.8	7.9
	2.2	+0.7		10.9	8.0
50	2.2	+0.7		10.9	8.0
	4.1	1.2	3+00	10.7	7.8
	8.9	6.0		10.5	7.6
	10.0	7.1		10.5	7.6
	10.5	7.6		10.3	7.4
1+00	10.7	7.8		10.2	7.3
	11.0	8.1	50	10.3	7.4
	11.2	8.3		10.2	7.3
	11.3	8.4		10.2	7.3
	11.4	8.5		10.0	7.1
50	11.9	9.0		10.1	7.2
	12.0	9.1	4+00	10.1	}
	12.3	9.4		10.1	}
	12.4	9.5		10.1	}
	12.4	}		10.1	}
2+00	12.4	}		10.1	}
	12.3	9.4	50	10.1	}
	12.2	9.3		10.2	7.3
	11.8	8.9		10.2	7.3

Dist Sound Elev DIST Sound Elev

(2.9)	10.1	7.2	(2.9)	10.3	7.4
	10.0	7.1		10.3	}
5+00	10.1	7.2	50	10.3	}
	10.1	7.2		10.4	7.5
	10.0	7.1		10.5	7.6
	10.0	7.1	<u>11.15</u>	10.3	7.4
	10.1	7.2		10.6	7.7
50	10.0	7.1	8+00	10.5	7.6
	10.0	7.1		11.0	8.1
	10.1	7.2		10.9	8.0
	10.0	7.1		10.8	7.9
	10.0	7.1		10.4	7.5
6+00	10.2	7.3	50	10.3	7.4
	10.2	7.3		10.3	7.4
	10.3	7.4		10.4	7.5
	10.3	7.4		10.4	7.5
50	10.2	7.3		10.5	7.6
	10.3	7.4	9+00	10.4	7.5
	10.3	}		10.5	7.6
	10.3	}		10.5	}
	10.3	}		10.5	}
7+00	10.2	7.3	50	10.5	}
	10.2	7.3		10.6	7.7
	10.3	7.4		10.6	7.7

STA. N. 100+50-EAST 2-03-60

Dist	Sound	Elev	Dist	Sound	Elev
(29)	10.7	7.8			
	10.9	8.0			
10+00	11.0	8.1			
	11.2	8.3			
	11.3	8.4			
	11.5	8.6			
	11.6	8.7			
50	12.0	9.1			
	12.1	9.2			
	12.1	9.2			
	12.2	9.3			
	12.3	9.4			
11+00	12.3	9.4			
	12.2	9.3			
	12.2	9.3			
1147	11.9	9.0			
	10.0	7.1			
50	10.1	7.2			
	10.2	7.3			
	10.3	7.4			
	10.7	7.8			
	10.8	7.9			
12+00	10.8	7.9			

2-03-60

(2)

STA. N. 101+00; 0+00=W/13,100; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	11.3	7.9	(34)	12.7	9.3
(34)	11.3	{		12.7	{
	11.3	{		12.7	{
1255	10.9	7.5		12.8	9.4
	11.1	7.7	50	12.8	9.4
50	11.3	7.9		12.7	9.3
	11.3	7.9		12.2	8.8
	11.4	8.0		11.2	7.8
	11.6	8.2		11.2	7.8
	11.8	8.4	2+00	11.4	8.0
1+00	12.1	8.7			

STA. N. 101+50; 0+00=W/13,100; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	11.4	8.0	(34)	12.4	9.0
(34)	11.2	7.8		12.5	9.1
	11.3	7.9		12.5	9.1
1+00	10.9	7.5	50	12.7	9.3
	11.0	7.6		13.0	9.6
50	11.0	7.6		13.0	9.6
	11.1	7.7		12.9	9.5
	11.2	7.8		12.0	8.6
	11.3	7.9	2+00	11.2	7.8
	11.6	8.2			
1+00	11.7	8.3			
	12.7	9.3			

2-03-60

STA. N. 102+00; 0+00 = W. 13,100; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	11.2	7.8	(34)	11.0	7.6
(34)	11.2	{		11.7	8.3
	11.2	{		11.8	8.4
<u>11.05</u>	11.0	7.6		12.1	8.7
-	11.3	7.9	50	11.6	8.2
50	11.3	7.9			
	11.2	7.8			
	11.4	8.0			
	11.4	8.0			
	11.2	7.8			
1+00	11.1	7.7			

STA. N. 102+50; 0+00 = W. 13,100; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(34)	12.2	8.8
(34)	11.2	7.8		12.3	8.9
	11.2	7.8		12.3	{
<u>11.28</u>	11.3	7.9	50	12.3	{
-	11.7	8.3			
50	11.6	8.2			
	11.3	7.9			
	11.2	7.8			
	11.6	8.2			
	12.0	8.6			
1+00	12.0	8.6			
	12.2	8.8			

③

STA. N. 103+00; 0+00 = W. 13,100; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(34)	12.3	8.9
(34)	11.9	8.5		12.6	9.2
	12.0	8.6		12.9	9.5
<u>11.30</u>	11.6	8.2		12.8	9.4
-	11.6	{	1+00	12.7	9.3
50	11.6	{			

STA. W. 131+00; 0+00 = N. 10,050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(34)	11.0	7.6
(34)	11.3	7.9		11.1	7.7
	11.3	7.9		11.1	7.7
<u>11.20</u>	11.4	8.0	2+00	11.2	7.8
-	11.5	8.1		11.2	7.8
50	11.5	8.1		11.8	8.4
	11.3	7.9		12.0	8.6
	11.2	7.8		12.0	{
	11.5	8.1	50	12.0	{
	11.5	{		12.1	8.7
1+00	11.5	{		12.2	8.8
	11.6	8.2		12.2	{
	12.0	8.6		12.2	{
	11.3	7.9	3+00	12.2	{
	11.3	{		12.2	{
50	11.3	{		12.2	{
	11.2	7.8		12.3	8.9

STA. W. 131+00 - NORTH 2-03-60

Dist	Sound	Elev	Dist	Sound	Elev
(34)	12.2	8.8			
50	12.1	8.7			
	12.0	8.6			
	11.6	8.2			
	11.2	7.8			
	11.2	7.8			
4+00	11.7	8.3			

STA. W. 131+50; 0+00 = N. 100.50; SOUND NORTH

0+00		(34) 11.6			
(34)	11.1	11.7			
	11.1	11.9			
<u>1:42</u>	11.1	2+00 12.0			
	11.5	12.0			
50	11.7	12.0			
	11.9	12.0			
	11.8	12.0			
	11.9	50 12.0			
	11.8	11.9			
1+00	11.7	11.9			
	11.9	<u>1:45</u> 11.9			
	11.9	11.9			
	11.8	3+00 12.0			
	11.6	12.0			
50	11.4	11.9			
	11.2	11.8			

STA. W. 131+50 - NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(34)	11.8		(34)	11.3	
50	11.9			11.8	
	11.9			12.0	
	11.9			12.0	
	11.9		50	12.1	
	11.5				
4+00	11.4				

STA. W. 132+00; 0+00 = N. 10.050; SOUND NORTH

0+00		(34) 11.5			
(34)	11.1	11.4			
	11.1	11.3			
	11.1	2+00 11.8			
<u>1:50</u>	11.3	12.0			
50	11.2	12.0			
	11.3	12.1			
	11.2	12.1			
	11.2	50 12.2			
	11.2	12.3			
1+00	11.2	12.3			
	11.2	12.2			
	11.1	12.4			
	11.3	3+00 12.4			
	11.3	12.5			
50	11.4	12.5			
	11.5	12.4			

STA. W. 132+00 - NORTH 2-03-60

DIST	SOUND	ELEV	DIST	SOUND
(34)	12.3		(34)	11.9
50	12.0			12.0
	12.0		50	12.1
	12.0			12.1
	12.0			12.3
	12.0			12.4
4+00	12.1			12.4
	11.8		5+00	12.4
20	11.8			

STA. W. 132+50; 0+00 = N. 10,050; SOUND NORTH

DIST	SOUND	ELEV	DIST	SOUND
0+00			50	11.1
(34)	11.1		(34)	11.1
	11.1			11.1
11.55	11.1			11.1
	11.1			11.3
50	11.2		2+00	11.7
	11.2			12.0
	11.3			12.1
	11.2			12.1
	11.1			12.1
1+00	11.1		50	12.2
	11.1			12.1
	11.2			12.1
	11.2			12.2
	11.2			12.3

STA. W. 132+50 - EAST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
3+00	12.3		(34)	12.4	
(34)	12.3			12.3	
	12.2			12.1	
2:00	12.3			11.9	
	12.3		50	11.9	
50	12.5			12.0	
	12.5			12.1	
	12.4			12.2	
	12.4			12.2	
	12.6		5+00	12.2	

4+00 12.6

STA. W. 133+00; 0+00 = N. 10,050; SOUND NORTH

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00			(34)	11.1	7.7
(34)	11.0	7.6		11.0	7.6
	11.0	7.6	50	11.0	7.6
2:03	11.1	7.7		10.9	7.5
	11.1	7.7		10.9	
50	11.0	7.6		10.9	
	11.0	7.6		10.9	
	11.2	7.8	2+00	11.0	7.6
	11.2	7.8	2:05	11.1	7.7
	11.3	7.9		11.3	7.9
1+00	11.3	7.9		11.3	7.9
	11.2	7.8		11.6	8.2
	11.2	7.8	50	11.7	8.3

STA. W. 133+00 - NORTH 2-03-60

Dist	Sound	Elev	Dist	Sound	Elev
(3A)	12.0	8.6	(3A)	12.0	8.6
	11.9	8.5	4+00	12.0	}
	12.1	8.7		12.0	}
	12.1	8.7		12.1	8.7
3+00	12.3	8.9		11.9	8.5
	12.3	}		11.8	8.4
	12.3	}	50	11.7	8.3
	12.2	8.8		11.8	8.4
	12.2	8.8		12.0	8.6
50	12.3	8.9		12.1	8.7
	12.1	8.7		12.2	8.8
	12.1	8.7	5+00	12.3	8.9
80	12.0	8.6			

STA. W. 133+50; 0+00 = N. 10, 050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3A)	10.9	f
(3A)	10.9	}		10.8	0
	10.9	}		10.5	}
2:12	10.9	}		10.2	6.8
	10.9	}	50	10.2	6.8
50	10.9	0. f.		10.0	6.6
	10.8	}		10.0	6.6
	10.7	}		10.2	6.8
	10.8	}		10.4	7.0
	11.1	}	2+00	10.9	7.5
1+00	11.1	}		11.2	7.8

STA. W. 133+50 - NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(3A)	11.3	}	(3A)	12.2	}
	11.4	}		12.2	}
	11.5	}		12.2	}
50	11.9	}		12.1	}
	12.0	}	4+00	11.9	}
2:15	12.0	0. f.		11.9	}
	12.0	}		11.7	0. f.
	12.1	}		11.5	}
3+00	12.2	}		11.6	}
	12.2	}	50	11.7	}
	12.2	}		11.4	}
	12.2	}		11.3	}
	12.3	}		11.1	}
50	12.3	}		11.0	}
		}	5+00	11.0	}

STA. W. 134+00; 0+00 = N. 10, 050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3A)	11.0	}
(3A)	10.9	}	1+00	11.0	}
	11.0	}		11.0	}
2:20	11.0	}		11.0	0. f.
	11.0	0. f.		10.9	0. f.
50	11.0	0. f.		10.8	}
	11.0	}	50	10.8	}
	11.0	}		10.5	}
	11.0	}		10.2	6.8

STA. W. 134+00; NORTH 2-03-60

Dist	Sound	Elev	Dist	Sound	Elev
(34)	10.2	6.8	(34)	11.8	
	10.3	6.9		11.9	
2+00	10.5	7.1		12.0	
	10.8			12.0	
	11.0		4+00	12.1	
	10.9			12.1	
	11.1			12.0	
50	11.0			11.9	ok
	11.1	0' K		12.0	
	11.2	0'	50	11.9	
	11.4			11.8	
	11.9			10.9	
3+00	12.0			10.6	
	12.0			10.4	
	11.8		5+00	10.9	
	11.7			11.1	
	11.7			11.1	
50	11.7				

STA. W. 134+50; 0+00=N. 10,050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00				11.0	
	10.9			11.0	
	10.9			11.1	
2,27	10.9	0' K		11.1	ok
	10.9		1+00	11.2	
50	11.0			11.2	

STA. W. 134+50- NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(34)	11.2		(34)	12.0	
	11.2			12.0	
	11.2	6' F		12.0	
50	11.2			12.1	
	10.9		50	12.1	
	10.1	6.7		12.0	
	10.0	6.6		12.0	
	10.2	6.8		12.0	
2+00	10.9	7.5		12.0	
	11.1		4+00	12.0	0' F
	11.3			12.0	0
2:30	11.3			12.0	
	11.4			11.9	
50	11.5			11.8	
	11.6	0' F	50	11.8	
	12.0			11.7	
	12.0			11.3	
	11.9			11.0	
3+00	11.9			11.2	
			5+00	11.2	

STA. W. 135+00; 0+00=N. 10,050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(34)	10.8	7.4
(34)	10.8	7.4	50	10.8	7.4
2:35	10.8			11.0	7.6
	10.8			11.0	7.6

STA. W. 135+00; NORTH 2-03-60					
Dist	Sound	Elev	Dist	Sound	Elev
(34)	11.0	7.6	(34)	11.7	8.3
	11.0	}		11.6	8.2
1+00	11.0	}	50	11.6	}
	10.9	7.5		11.6	}
	10.8	7.4		11.8	8.4
	10.8	7.4		12.0	8.6
	10.9	7.5		12.0	8.6
50	10.5	7.1	4+00	12.0	8.6
	9.9	6.5		12.2	8.8
	9.9	6.5		12.3	8.9
	10.2	6.8		12.3	}
	10.3	6.9		12.3	}
2+00	10.6	7.2	50	12.3	}
	10.9	7.5		12.2	8.8
	11.0	7.6	<u>2+00</u>	11.9	8.5
	11.0	}		11.3	7.9
	11.0	}		11.3	}
50	11.0	}	5+00	11.3	}
	11.1	7.7			
	11.1	7.7			
	11.3	7.9			
	11.5	8.1			
3+00	11.5	8.1			
	11.6	8.2			
	11.6	8.2			

STA. W. 135+50; 0+00-N. 10050; SOUND NORTH ⑧					
Dist	Sound	Elev	Dist	Sound	Elev
0+00			50	11.3	}
(34)	10.7	}	(34)	11.3	}
	10.8	}		11.2	}
<u>2+02</u>	10.9	}		11.1	}
	10.9	}		11.1	}
50	11.0	}	3+00	11.1	}
	11.0	}		11.0	}
	11.0	}	<u>2+05</u>	11.0	}
	10.5	0.K.		11.1	}
	10.6	}		11.1	}
1+00	10.6	}	50	11.1	}
	10.5	}		11.3	}
	10.7	}		11.3	0.
	10.7	}		11.3	0.
	10.7	}		11.4	}
50	10.3	6.9	4+00	11.5	}
	9.9	6.5		11.6	}
	9.9	6.5		11.6	}
	10.4	7.0		11.5	}
	10.7	}		11.4	}
2+00	10.9	}	50	11.3	}
	11.0	}		11.3	}
	11.0	0.K.		11.3	}
	11.2	}		11.3	}
	11.2	}		11.4	}
			5+00	11.4	}

2-03-60

STA. W. 136+00; 0+00=N. 10,050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			50	11.2	
(34)	10.5		(34)	11.4	
	10.5			11.4	
<u>21.50</u>	10.6			11.4	
	10.7			11.3	
50	10.9		3+00	11.3	
	11.0			11.3	
	11.0	OK		11.3	
	11.0			11.3	
	10.9			11.5	
1+00	10.9		50	11.6	
	10.8			11.8	OK
	10.5			12.0	OK
	10.4			12.1	
	10.3	6.9		12.1	
50	10.0	6.6	4+00	12.1	
	9.8	6.4		12.2	
	9.9	6.5		12.2	
	9.8	6.4		11.3	
	10.0	6.6		11.0	
2+00	10.4	7.0	50	11.0	
	11.1			11.2	
	11.2			11.2	
	11.2	OK		11.5	
	11.2	OK		11.4	
			5+00	11.8	

2-04-60

STA. W. 136+50; 0+00=N. 10,050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			50	10.0	
(21)	9.5		(21)	10.0	
	9.5			10.0	
<u>11.20</u>	9.4			10.0	
	9.3			10.1	
50	9.3		3+00	10.1	
	9.3			10.2	
	9.6	OK		10.3	
	9.8			10.4	
	10.0			10.4	
1+00	9.8		50	10.6	
	9.6			10.8	
	9.3			11.0	OK
	9.1			11.0	
	9.0	6.9		11.0	
50	9.0	6.9	4+00	11.0	
	8.9	6.8		11.1	
	8.9	6.8		11.2	
	9.0	6.9		10.9	
	9.0	6.9		10.0	
2+00	9.1		50	9.9	
	9.3			10.0	
	9.7			10.0	
	10.0	OK		10.0	
	10.0			10.0	
			5+00	10.0	

2-04-60

STA. W. 137+00; 0+00 = N. 10,050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(21)	9.5	7.4
(21)	9.5	7.4	50	9.5	7.4
	9.4	7.3	<u>11:30</u>	9.5	7.4
<u>11:27</u>	9.4	}		9.4	7.3
	9.4			9.3	7.2
50	9.4	}		9.8	7.7
	10.0		7.9	3+00	9.9
	10.7	8.5		10.0	7.9
	11.3	9.2		10.0	}
	11.9	9.8		10.0	
1+00	11.8	9.7		10.1	8.0
	11.8	9.7	50	10.2	8.1
	11.7	9.6		10.7	8.6
	11.5	9.4		11.0	8.9
	11.2	9.1		11.0	}
50	11.1	9.0		11.0	
	8.9	6.8	4+00	11.0	}
	8.9	6.8			
	9.0	6.9			
	8.7	6.6			
2+00	8.9	6.8			
	9.4	7.3			
	9.5	7.4			
	9.6	7.5			

(10)

STA. W. 137+50; 0+00 = N. 10,050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(28)	10.2	
(28)	10.8		50	10.3	
	11.0			10.3	
<u>11:45</u>	11.1			12.0	
	11.5			12.1	
50	11.6			11.9	
	11.8		3+00	14.0	
	11.7			13.7	
	11.8			14.0	
	12.0			14.0	
1+00	12.0			13.7	
	12.0		50	13.5	
	12.0			13.6	
	12.0			11.4	
	11.9			11.0	
50	12.0			10.1	
	11.8		4+00	10.9	
	11.7			10.4	
	11.4			10.4	
	11.2				
2+00	11.0				
	11.0				
	10.4				
	10.0				

2-04-60

STA. W. 138+00; 0+00=N. 10,050; SOUND NORTH

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(28)	12.2	
(28)	10.5		50	12.3	
	10.3			12.4	
<u>1:52</u>	10.6		<u>1:55</u>	12.1	
	10.9			13.2	
50	11.0			13.2	
	10.9		3+00	13.4	
	10.5			13.9	
	10.4			14.1	
	10.3			14.0	
1+00	10.7	OK		14.0	OK
	11.0		50	14.0	
	13.6			14.1	
	13.7			13.7	
	13.0			11.6	
50	13.0			11.0	
	13.1		4+00	10.9	
	12.9			11.0	
	13.0			11.2	
	12.9			11.2	
2+00	12.6			11.2	
	12.2		50	11.2	
	12.1				
	12.2				

⑪

STA. W. 138+50; 0+00=N. 10,050; SOUND NORTH

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(29)	12.0	
(29)	12.0		50	12.1	
	12.0			12.1	
<u>2:00</u>	12.1			12.2	
	12.1			12.2	
50	12.1			12.5	
	12.1		3+00	12.3	
	12.4			12.3	
	13.6			13.4	
	13.2			13.9	
1+00	13.0	OK		13.8	
	13.0		50	13.9	
	13.0			13.8	
	13.3			13.8	
	13.0			13.2	
50	13.2			10.8	
	13.2		4+00	10.6	
	13.2			10.5	
	13.1			10.4	
	12.9			10.4	
2+00	12.4			10.2	
	12.2		50	10.4	
	12.0			10.2	
	12.0				

2-04-60

STA. W. 139+00; 0+00 = N. 10,050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(29)	11.2	8.3
(29)	11.5	8.6	50	11.0	8.1
	11.4	8.5		11.2	8.3
<u>2:08</u>	11.7	8.8	<u>2:10</u>	11.3	8.4
	11.7	8.8		11.5	8.6
50	11.8	8.9		11.6	8.7
	11.6	8.7	3+00	11.7	8.8
	11.5	8.6		12.0	9.1
	11.4	8.5		12.5	9.6
	11.8	8.9		13.1	10.2
1+00	12.0	9.1		13.0	10.1
	11.9	9.0	50	13.3	10.4
	11.9	9.0		13.2	10.3
	12.0	9.1		13.2	10.3
	12.1	9.2		13.4	10.5
50	11.6	8.7		13.3	10.4
	11.9	9.0	4+00	13.3	10.4
	12.0	9.1			
	11.9	9.0			
	11.7	8.8			
2+00	11.4	8.5			
	11.4	8.5			
	11.3	8.4			
	11.3	8.4			

⑫

STA. W. 139+50; 0+00 = N. 10,050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(29)	11.0	
(29)	10.6		50	11.0	
	10.9			10.9	
<u>2:15</u>	10.7			10.8	
	10.5			11.0	
50	10.3			11.1	
	10.3		3+00	11.2	
	10.3			11.3	
	10.4			11.5	
	10.4			12.0	
1+00	10.2			11.9	
	10.4		50	11.8	
	10.5			12.0	
	10.9			12.2	
	10.9			13.1	
50	10.9			13.2	
	10.9		4+00	11.9	
	10.8				
	10.5				
	10.8				
2+00	10.8				
	10.7				
	10.9				
	11.0				

2-04-60

STA. W. 140+00; 0+00 = N. 10,050; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(30)	11.3	8.3
(29)	2.3	+0.6	50	11.2	8.2
	1.5	+1.4		11.2	8.2
<u>2:20</u>	1.5	+1.4		11.7	8.7
	1.7	+1.2		11.9	8.9
50	1.6	+1.3		12.0	9.0
	1.4	+1.5	3+00	12.2	9.2
	1.0	+1.9		12.5	9.5
	1.0	+1.9		12.6	9.6
	0.9	+2.0		12.7	9.7
1+00	2.0	+0.9		12.8	9.8
	1.5	+1.4	50	12.6	9.6
	1.0	+1.9		12.5	9.5
	0.8	+2.1		12.5	9.5
	0.5	+2.4		13.0	10.0
50	0.3	+2.6		13.0	10.0
	0.3	+2.6	4+00	10.4	7.4
	2.6	+0.3		10.0	7.0
<u>2:25</u>	6.7	3.7		9.9	6.9
	10.0	7.0		10.9	7.9
2+00	11.1	8.1		11.0	8.0
(30)	11.3	8.3	50	10.9	7.9
	11.6	8.6			
	11.3	8.3			

(13)

STA. W. 140+50; 0+00 = N. 10,294.6; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	11.7		(31)	11.0	
(30)	11.7		50	11.3	
	12.1			10.5	
<u>2:45</u>	12.5			11.1	
	12.7		2:50	11.7	
50	12.9			12.0	
	13.0		3+00	12.1	
	13.0			12.2	
	13.0			12.1	
	13.2			12.1	
1+00	13.3			12.5	
	13.3		50	12.4	
	13.3				
	13.2				
	13.0				
50	13.2				
	13.3				
	13.6				
	13.0				
	10.1				
2+00	10.2				
	10.3				
	11.0				
	10.9				

SOUND SOUTH

0+10	11.1	8.0
	9.0	5.9
	3.5	0.4
<u>2:55</u>	0.3	+2.8

50

2-04-60

STA. W. 141+00; 0+00 = N. 102733; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	1.2	+1.9	(3)	11.1	8.0
(3)	3.4	0.3	50	11.2	8.1
	5.8	2.7		11.2	8.1
<u>31.00</u>	9.3	6.2		11.5	8.4
	9.4	6.3		11.6	8.5
50	10.6	7.5		11.6	8.5
	11.5	8.4	3+00	12.0	8.9
	12.2	9.1		12.5	9.4
	12.3	9.2		12.4	9.3
	12.9	9.8		12.3	9.2
1+00	13.0	9.9		12.1	9.0
	13.0	9.9	50	11.6	8.5
	13.2	10.1		11.2	8.1
	13.2	10.1		11.2	8.1
	13.3	10.2		11.0	7.9
50	13.5	10.4		11.0	7.9
	13.6	10.5	4+00	11.1	8.0
	13.3	10.2			
	13.3	10.2			
	13.3	10.2			
2+00	12.8	9.7			
	11.0	7.9			
	11.0				
	11.0				

2-05-60

STA. W. 141+50; 0+00 = N. 10290; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(15)	10.0	
(15)	0.5		50	10.2	
	3.1			10.4	
<u>11.18</u>	4.9			10.4	
	4.1			10.3	
50	7.0			10.3	
	7.3		3+00	10.2	
	7.4			10.2	
	7.8			9.8	
	8.1			9.5	
1+00	8.3			9.3	
	8.5		50	9.5	
	8.9			9.8	
	8.9			9.9	
	9.0			9.7	
50	9.0			9.5	
	9.1		4+00	9.3	
	9.2				
	9.2				
	9.2				
2+00	9.2				
	9.3				
	9.7				
	10.0				

(14)

2-05-60

STA. W. 142+00; 0+00 = N. 10320 ; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(15)	10.2	8.7
(15)	1.5	0.0	50	10.0	8.5
	3.3	1.8		9.8	8.3
<u>11:25</u>	5.1	3.6		9.6	8.1
	7.0	5.5		9.7	8.2
50	6.8	5.3		9.7	8.2
	7.5	6.0	3+00	9.9	8.4
	7.4	5.9		9.6	8.1
	7.5	6.0		9.5	8.0
	8.1	6.6		9.7	8.2
1+00	8.6	7.1		9.3	7.8
	9.3	7.8	50	9.0	7.5
	9.6	8.1		8.7	7.2
	9.7	8.2		8.3	6.8
	9.8	8.3		8.2	6.7
50	9.5	8.0		8.4	6.9
	9.5	{	4+00	8.2	6.7
	9.5	{		8.3	6.8
	10.0	8.5		8.2	6.7
	10.1	8.6	<u>11:30</u>	8.5	7.0
2+00	10.3	8.8		8.7	7.2
	10.3	{	50	8.5	7.0
	10.3	{		8.9	7.4
	10.3	{			

(15)

STA. W. 142+50; 0+00 = N. 10310 ; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(16)	9.8	
(16)			50	9.7	
	1.5			9.4	
<u>12:30</u>	3.6			9.5	
	5.3			9.7	
50	6.5			9.5	
	7.4		3+00	9.5	
	8.1			9.5	
	8.9			9.3	
	9.3			9.1	
1+00	9.5			9.4	
	9.6		50	9.7	
	9.4			10.2	
	9.2			10.4	
	9.4			10.5	
50	9.7			10.5	
	10.0		4+00	11.0	
	10.1				
	10.1				
	10.2				
2+00	10.4				
	10.6				
	10.5				
	10.0				

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STA. W. 143+00; 0+00 = N. 10,290; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(16)	9.7	8.1
(16)			50	9.5	7.9
				9.5	
1235	1.3	+0.3		9.5	
	3.0	1.4		9.4	7.8
50	4.5	2.9		9.4	7.8
	5.6	4.0	3+00	9.3	7.7
	6.0	4.4		9.3	7.7
	7.4	5.8		9.0	7.4
	8.1	6.5		9.2	7.6
1+00	8.2	6.6		9.5	7.9
	8.7	7.1	50	10.4	8.8
	9.0	7.4		10.5	8.9
	9.2	7.6		10.3	8.7
	9.7	8.1		10.2	8.6
50	10.2	8.6		10.1	8.5
	10.7	9.1	4+00	10.0	8.4
	10.7	9.1			
	10.5	8.9			
	10.4	8.8			
2+00	10.3	8.7			
	10.1	8.5			
	9.9	8.3			
	9.9	8.3			

(16)

STA. W. 143+50; 0+00 = N. 10,270; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(17)	9.3	
			50	9.3	
				9.3	
1242	0.3			9.3	
	1.8			9.1	
50	2.9			9.0	
	3.5		3+00	8.9	
	4.7		1245	9.5	
	6.4			9.0	
	7.0			8.7	
1+00	7.3			9.0	
	8.2		50	9.0	
	8.8			9.9	
	9.2			10.5	
	9.4			10.4	
50	9.9			10.5	
	10.2		4+00	10.2	
	10.8				
	11.0				
	10.7				
2+00	10.4				
	10.3				
	9.7				
	9.8				

K.
0.

2-05-60

STA. W. 144+00; 0+00 = N. 10,250 ; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+00

(1.7)

1248

50

1+00

50

2+00

0.5 +1.2

1.4 +0.3

1.9 0.2

3.0 1.3

4.7 3.0

5.5 3.8

6.7 5.0

9.4 7.7

10.9 9.2

11.2 9.5

11.4 9.7

11.5 9.8

11.3 9.6

10.2 8.5

9.9 8.2

10.2 8.5

10.4 8.7

10.4 8.7

10.0 8.3

9.5 7.8

9.2 7.5

(1.7)

50

3+00

4+00

9.1 7.4

9.3 7.6

9.3 7.6

9.2 7.5

9.2 7.5

9.1 7.4

9.0 7.3

8.6 6.9

8.3 6.6

8.5 6.8

9.0 7.3

9.5 7.8

10.3 8.6

10.6 8.9

10.6 8.9

10.5 8.8

10.5 8.8

STA. W. 144+50; 0+00 = N. 10,220 ; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+00

(1.7)

1257

50

1+00

50

2+00

9.1 7.4

9.3 7.6

0.2

0.9

0.6

0.8

1.5

6.0

7.4

7.5

8.9

8.9

9.0

9.4

9.7

10.2

11.0

11.3

11.3

11.2

11.2

11.1

11.2

11.0

(1.7)

50

3+00

11.00

50

4+00

11.1

10.7

10.0

9.1

9.0

9.2

9.0

9.0

8.6

8.8

8.9

9.0

8.9

9.0

9.4

9.9

10.0

0.4

6.9

0.4

17

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STA. W. 145+00; 0+00 = N. 10,170; SOUND NORTH			STA. W. 145+50; 0+00 = N. 10,150; SOUND NORTH		
Dist	Sound	Elev	Dist	Sound	Elev
0+00			(18)	10.3	
(1.8)			50	10.2	
				10.0	
	1.0			9.1	
<u>11.07</u>	1.2			9.4	
50	0.6			9.5	
add to Tide →	(+0.3)		3+00	9.3	
	0.5			9.2	
	3.6			9.2	
	7.0			9.0	
1+00	8.2			9.1	
	9.0		50	9.0	
	9.1			9.0	
	9.0			9.0	
	8.9			8.9	
50	9.0			8.9	
	9.1		4+00	8.8	
	9.2				
	9.6				
	10.0				
2+00	10.1				
	10.2				
	10.4				
	10.3				

STA. W. 145+50; 0+00 = N. 10,150; SOUND NORTH			STA. W. 145+50; 0+00 = N. 10,150; SOUND NORTH		
Dist	Sound	Elev	Dist	Sound	Elev
0+00			(19)	9.7	
(1.9)			50	9.5	
	0.5			9.0	
	1.2			9.3	
<u>11.25</u>	0.5			9.6	
	0.6			9.7	
50	1.4			9.7	
	4.6		3+00	9.8	
	6.4			9.5	
	8.0			9.5	
	8.9			9.3	
1+00	9.0			9.3	
	9.2		50	9.2	
	9.2			9.1	
	9.6			9.0	
	9.7			9.1	
50	9.8			9.0	
	9.9		4+00	9.0	
	10.0				
	10.1				
	10.1				
2+00	10.5				
	10.2				
	10.3				
	10.0				

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STA. W. 146+00; 0+00=N. 10.120 ; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(79)	9.8	7.9
(79)	0.7	+1.2	50	9.6	7.7
	1.6	+0.3		9.4	7.5
<u>1130</u>	1.0	+0.9		9.6	7.7
	1.7	+0.2		9.8	7.9
50	5.8	3.9		10.0	8.1
	7.1	5.2	3+00	10.0	
	8.0	6.1		10.0	
	9.1	7.2		9.9	8.0
	9.0	7.1	<u>135</u>	9.8	7.9
1+00	9.0	7.1		9.8	7.9
	8.9	7.0	50	9.3	7.4
	9.0	7.1		9.3	7.4
	9.3	7.4		9.4	7.5
	9.4	7.5		9.5	7.6
50	9.5	7.6		9.3	7.4
	9.8	7.9	4+00	9.1	7.2
	9.9	8.0			
	10.3	8.4			
	10.2	8.3			
2+00	10.2				
	10.2				
	10.1	8.2			
	9.9	8.0			

(19)

STA. W. 146+50; 0+00=N. 10.100 ; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	0.0		(19)	9.0	
(19)	1.0		50	9.1	
	1.0			9.4	
<u>1140</u>	2.1			9.9	
	6.2			10.0	
50	7.3			10.0	
	8.9		3+00	10.0	
	9.5			9.9	
	9.6			10.0	
	9.7			10.0	
1+00	9.6			10.0	
	9.4		50	9.9	
	9.4			9.9	
	9.6			9.8	
	9.5			9.6	
50	9.5			9.6	
	9.4		4+00	9.4	
	9.9				
	9.8				
	9.9				
2+00	9.8				
	9.7				
	9.7				
	9.7				

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STA. W. 147+00; D+00 = N. 10070 ; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(19)	9.7	
(19)	0.6		50	9.3	
	1.5			8.9	
<u>11.45</u>	2.0			9.6	
	4.2			10.1	
50	6.7			10.3	
	8.5		3+00	10.4	
	9.8			10.5	
	10.0			10.2	
	10.0			10.0	
1+00	9.9			10.0	
	10.2		50	9.9	
	10.2			10.0	
	10.1		<u>11.50</u>	9.9	
	10.4			9.9	
50	10.5			9.4	
	10.1		4+00	9.3	
	10.4				
	10.5				
	10.2				
2+00	10.0				
	10.0				
	10.0				
	9.9				

20

STA. W. 147+50; D+00 = N. 10050 ; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(20)	7.5	5.5
(20)	0.9		50	8.0	6.0
	2.4			9.0	7.0
<u>11.55</u>	5.0			9.2	
	6.8			10.3	
50	8.3			10.4	
	8.6		3+00	10.5	
	8.9			10.6	
	9.0			10.4	
	9.1			10.1	
1+00	9.7			10.2	
	10.0		50	9.9	
	10.5			9.7	
	10.7			9.7	
	11.0			9.5	
50	11.1			9.3	
	11.4		4+00	9.4	
	11.3				
	11.2				
	11.0				
2+00	11.0				
	10.9				
	10.8				
	10.4				

2-05-60

STA. W. 148+00; O+100 = N. 10030 ; SOUND NORTH

Dist	Sound	Elev.	Dist	Sound	Elev.
0+00			(21)	10.1	8.0
(2.1)	0.3	+1.8	50	10.3	8.2
	1.7	+0.4		10.5	8.4
2+10	4.0	1.9		10.6	8.5
	7.1	5.0		10.6	8.5
50	7.5	5.4		10.8	8.7
	6.2	4.1	3+00	11.2	9.1
	9.1	7.0		10.8	8.7
	9.4	7.3		10.5	8.4
	9.5	7.4		10.5	8.4
1+00	9.5	7.4		10.6	8.5
	9.5	7.4	50	10.5	8.4
	9.8	7.7		10.7	8.6
	9.9	7.8		10.4	8.3
	10.1	8.0		10.1	8.0
50	10.6	8.5		10.1	8.0
	10.7	8.6	4+00	9.5	7.4
	10.6	8.5			
	10.6				
	10.6				
2+00	10.7	8.6			
	11.0	8.9			
	10.5	8.4			
	10.1	8.0			

(2)

STA. W. 148+50; O+100 = N. 10,010 ; SOUND NORTH

Dist	Sound	Elev.	Dist	Sound	Elev.
0+00			(21)	10.5	
(2.1)	0.7		50	10.5	
	1.9			10.9	
2+17	2.6			10.9	
	7.2		2+20	11.1	
50	8.6			11.0	
	9.3		3+00	10.9	
	9.3			10.5	
	9.3			10.5	
	9.6			10.3	
1+00	9.9			10.3	
	10.1		50	10.4	
	10.2			10.3	
	10.3			10.3	
	10.5			10.2	
50	10.6			10.1	
	10.7		4+00	9.0	6.9
	10.5				
	10.6				
	10.5				
2+00	10.3				
	9.8				
	10.0				
	10.3				

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STA. W. 149+00; 0+00=N. 9990; SOUND NORTH

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(2.2)	10.7	
(2.2)	1.2		50	11.0	
	2.1			11.2	
<u>2.25</u>	2.3			11.2	
	5.4			11.1	
50	8.1			11.0	
	9.1		3+00	11.0	X
	9.9			11.0	0.
	9.4			11.1	
	9.2			10.8	
1+00	9.5			10.7	
	10.1		50	10.6	
	10.0			10.2	
	10.3			9.9	
	10.6			8.2	6.0
50	10.8			8.0	5.8
	10.9		4+00	7.3	5.1
	10.9				
	11.0				
	11.3				
2+00	11.3				
	11.0				
	10.0				
	10.2				

(22)

STA. W. 149+50; 0+00=N. 9970; SOUND NORTH

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(2.2)	10.9	
(2.2)	1.0		50	10.2	
	1.9			10.5	
<u>2.135</u>	0.5			12.3	
	2.2			11.2	
50	6.1			11.2	
	7.9		3+00	11.2	X
	9.4			11.2	0.
	9.9			11.1	
	9.7			11.1	
1+00	9.5			10.9	
	9.9		50	10.3	
	10.0			10.0	
	10.5			9.3	
	10.6			8.6	6.4
50	10.7			7.6	5.4
	10.8		4+00	5.2	3.0
	11.0				
	10.9				
	11.0				
2+00	11.3				
	11.5				
	11.2				
	11.3				

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STA. W. 150+00 0+00 = N. 2950 SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(23)	11.1	8.8
(23)	1.1	+1.2	50	10.6	8.3
	1.6	+0.7		10.5	8.2
<u>2145</u>	2.0	+0.3		11.0	8.7
	1.0	+1.3		11.2	8.9
50	2.9	0.6		11.2	8.9
	7.3	5.0	3+00	11.3	9.0
	8.6	6.3		11.2	8.9
	10.1	7.8		11.2	9
	10.3	8.0		11.2	9
1+00	10.2	7.9		11.1	8.8
	10.1	7.8	50	11.0	8.7
	10.3	8.0		10.6	8.3
	10.5	8.2		9.8	7.5
	11.0	8.7		8.7	5.4
50	11.1	8.8		7.2	4.9
	11.2	8.9	4+00	5.1	2.8
	11.3	9.0			
	11.2	8.9			
	11.2	8.9			
2+00	11.5	9.2			
	12.0	9.7			
	11.6	9.3			
	11.5	9.2			

STA. W. 150+50; 0+00 = N. 9,930 SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(24)	11.4	
(24)	0.2		50	11.2	
	1.4			10.3	
<u>2150</u>	1.8			10.5	
	1.9			10.4	
50	2.1			10.9	
	6.9		3+00	11.3	
	9.0			11.8	
	9.5			11.6	
	9.9			11.5	
1+00	9.9			11.3	
	10.1		50	11.0	
	10.6				
	10.9				
	11.2				
50	11.2				
	11.5		4+00		
	11.5				
	11.5				
2+00	11.2				
	11.8				
	11.9				
	11.7				

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STA. W. 151+00. 0+00 = N. 9930 ; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(24)	11.0	8.6
(25)	0.2	+2.3	50	10.4	8.6
	0.5	+2.0		10.8	8.4
10:15	1.3	+1.2	10:20	10.5	8.1
	3.5	1.0		10.4	8.0
50	8.5	6.0		10.4	8.0
	10.3	7.8	3+00	10.4	8.0
	11.2	7.7		10.5	8.1
	11.1	8.6		10.8	8.4
	11.1	8.6		10.9	8.5
1+00	10.8	8.3		10.1	7.7
	11.0	8.5	50	9.4	7.0
	11.2	8.7			
	11.5	9.0			
	11.4	8.9			
50	11.6	9.1			
	11.6	9.1	4+00		
	11.9	9.4			
	11.7	9.2			
	12.3	9.8			
2+00	12.3	9.8			
	12.2	9.7			
	11.8	9.3			
	11.6	9.1			

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STA. W. 151+50. 0+00 = N. 9920 ; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(24)	10.1	
(24)			50	10.2	
	1.0			10.5	
10:25	2.8			10.3	
	7.5			10.3	
50	10.0			10.2	
	11.0		3+00	10.2	
	10.9			10.7	
	10.9			10.1	
	11.3			9.8	
1+00	12.0			8.8	6.4
	12.4		50	6.9	4.5
	12.7				
	12.7				
	12.8				
50	12.4				
	12.3		4+00		
	12.2				
	12.1				
	12.1				
2+00	12.0				
	11.7				
	11.3				
	11.0				

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STA. W. 152+00; 0+00=N. 9900 ; SOUND NORTH

CROSS SECTIONS ELY, TIERRA-DEL-FUEGO

Dist Sound Elev Dist Sound Elev

STA 0+00=

0+00

12.3 10.0

Sta + H.I. - Elev on Hub

(23)

50 12.1 9.8

T.B.M.

9.77 N100+50

11.5 9.2

0

N14093.9

10:30 0.7 +1.6

10.6 8.3

E

CONTO, M.B. N°127

FB125

3.5 1.2

10.9 8.6

E

50 8.1 5.8

10.9 8.6

E

10.8 8.5

3+00 10.8 8.5

11.3 9.0

10.4 8.1

11.3 9.0

9.6 7.3

11.2 8.9

9.2 6.9

1+00 11.4 9.1

6.3 4.0

12.1 9.8

50 4.2 1.9

12.2 9.9

12.6 10.3

12.8 10.5

50 13.0 10.7

13.2 10.9 4+00

13.2 10.9

13.0 10.7

13.2 10.9

2+00 13.4 11.1

13.4 11.1

13.1 10.8

12.7 10.4

25

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SEC. PARALLEL TO ELY SIDE OF NLY
CAUSEWAY BRIDGE SOUND N. 10° 12' 30" W
0+00 = N. 9900; W 15250

DIST	SOUND	Elev	DIST	SOUND	Elev
0+00			(2.0)	13.0	11.0
(2.1)				13.0	11.0
	0.4	+1.7		12.9	10.9
10:45	1.7	+0.4	50	11.9	9.9
	4.3	2.2		11.8	9.8
50	6.2	4.1		10.2	8.2
	9.5	7.4		8.3	6.3
	12.2	10.1		6.9	4.9
	13.6	11.5	3+00	6.0	4.0
	11.4	9.3		6.5	4.5
1+00	11.1	9.0		4.8	2.8
	11.9	9.8		4.2	2.2
	11.7	9.6		4.0	2.0
	12.3	10.2	50	3.8	1.8
	12.0	9.9		3.2	1.2
50	12.4	10.3	1050	3.1	1.1
	13.1	11.0		3.2	1.2
	13.3	11.2		3.3	1.3
	13.2	11.1	4+00	3.3	1.3
	13.5	11.4		3.0	1.0
2+00	13.9	11.8		3.0	1.0
	13.4	11.3	50	3.3	1.3
				3.3	1.3
				3.9	1.9
				3.3	1.3
				2.7	0.7
				1.9	+0.1
				1.0	+1.0

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SEC. || TO WLY SIDE OF NLY CAUSEWAY BRIDGE
0+00 = N. 9900; W 15300; SOUND N. 10° 12' 30" W

DIST	SOUND	Elev	DIST	SOUND	Elev
0+00	0.2	+1.7	(1.9)	13.9	12.0
	1.0	+0.9		13.1	11.2
	2.0	0.1	50	11.6	9.7
10:55	3.7	1.8		9.0	7.1
	5.7	3.8		7.1	5.2
50	7.5	5.6		6.5	4.6
	9.0	7.1		7.1	5.2
	10.1	8.2	3+00	9.2	7.3
	10.7	8.8		9.4	7.5
	13.2	11.3		9.5	7.6
1+00	11.9	10.0		9.5	7.6
	12.3	10.4		9.0	7.1
	13.9	12.0	50	8.4	6.5
	14.0	12.1		9.0	7.1
	13.6	11.7		9.0	7.1
50	13.6	11.7		7.0	5.1
	15.1	13.2		7.4	5.5
	15.2	13.3	4+00	3.8	1.9
	14.4	12.5		3.2	1.3
	15.0	13.1		3.3	1.4
2+00	15.0	13.1		3.2	1.3
	13.8	11.9	50	3.3	1.4
				3.1	1.2
				2.4	0.5
	13.4	11.5		1.5	+0.4

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PROFILE N TO ELY SIDE OF SOUTH CAUSEWAY BRIDGE
0+00 = N. ; W. ; SOUND S. 10° 12' 30" E

Dist	Sound	Elev	Dist	Sound	Elev
0+00			1,2		15.1
(13)					14.9
			50		16.2
<u>11:35</u>					15.3
					14.2
50	0.8				14.3
	4.3				15.7
	10.0		3+00		13.0
	10.9				12.2
	12.0				14.2
1+00	13.5				13.8
	15.5				11.9
	14.2		50		13.3
	13.8				13.4
	15.3				12.8
50	15.3		<u>11:40</u>		11.1
	14.8				9.7
	15.4		4+00		11.0
	16.0				13.2
	15.6				12.2
2+00	14.5				11.8
	16.1				14.3
	15.9		50		13.3

ELY PROFILE CONTD SOUTH (27)

Dist	Sound	Elev	Dist	Sound	Elev
(41)		12.3			
		12.2			
		13.9			
		13.1			
5+00		13.2			
		14.7			
		14.2			
		13.4			
		13.3			
50		15.0			
		14.8			
		14.3			
<u>11:45</u>		15.2			
		15.3			
6+00		14.5			
		14.6			
		15.6			
		14.8			
		13.7			
50		13.0			
		13.0			
		10.6			
		10.0			
		8.8			
7+00		0.5			

MB 88 - Ref. 67 SOUNDINGS S. TO N. END OF BRIDGE 2-08-60

PROFILE 11 TO WLY. SIDE OF SOUTH CAUSEWAY
BRIDGE: 0+00 = N ; W. ; SOUND S. 10° 12' 30" E

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(1.1)	12.0	10.9
(1.1)				12.3	11.2
			50	13.2	12.1
				12.8	11.7
			11:55	11.9	10.8
50				13.7	12.6
				13.3	12.2
11:53			3+00	12.2	11.1
	2.6	1.5		12.0	10.9
	7.3	6.2		13.1	12.0
1+00	8.9	7.8		12.7	11.6
	10.1	9.0		12.1	11.0
	10.0	8.9	50	14.7	13.6
	11.3	10.2		15.5	14.4
	14.1	13.0		11.1	10.0
50	14.2	13.1		9.8	8.7
	12.5	11.4		10.3	9.2
	13.0	11.9	4+00	12.1	11.0
	14.1	13.0		14.1	13.0
	13.2	12.1		14.0	12.9
2+00	12.8	11.7		11.1	10.0
	13.8	12.7		13.2	12.1
	14.0	12.9	50	14.1	13.0

WLY. PROFILE CONTD

Dist	Sound	Elev
(1.0)	11.9	10.9
	12.8	11.8
	13.6	12.6
	13.2	12.2
5+00	12.3	11.3
	13.3	12.3
	13.4	12.4
	13.1	12.1
	14.0	13.0
50	14.7	13.7
	14.0	13.0
	14.0	13.0
	14.4	13.4
	15.1	14.1
6+00	14.2	13.2
	14.7	13.7
12:00	14.7	13.7
	13.4	12.4
	13.2	12.2
50	13.9	12.9
	13.0	12.0
	10.9	9.9
	9.8	8.8
7+00		

SOUNDINGS 2-08-60 5. TO N. END OF BRIDGE

PROFILE // TO ELY. SIDE OF VENTURA BRIDGE

0+00 = See MB. 88 Pg. 66 SOUND N. 50° W

DIST SOUND ELEV DIST SOUND ELEV

0+00 (-02) 13.6 13.8

14.2 14.4

50 14.3 14.5

2:35 14.5 14.7

14.2 14.4

50 14.5 14.7

2:30 7.7 7.9

8.9 9.1 3+00 14.2 14.4

10.5 10.7

11.6 11.8

1+00 12.4 12.6

13.1 13.3

14.3 14.5 50 14.3 14.5

15.2 15.4

16.0 16.2

50 16.1 16.3

16.0 16.2

15.5 15.7 4+00 14.7 14.9

14.0 14.2

13.0 13.2

2+00 13.0 13.2

13.1 13.3

13.6 13.8 50 16.5 16.7

ELY. PROFILE CONTD NORTH (29)

DIST SOUND ELEV DIST SOUND ELEV

(-03) 16.2 16.5 (-0.3) 18.2 18.5

15.7 16.0

15.5 15.8

15.4 15.7

5+00 16.3 16.6 50 19.2 19.5

2:40 16.0 16.3

16.2 16.5

15.6 15.9

14.2 14.5

50 16.0 16.3 8+00 18.3 18.6

16.0 16.3 2:45 18.2 18.5

16.2 16.5

16.3 16.6

15.6 15.9

6+00 15.0 15.3 50 16.6 16.9

15.6 15.9

15.5 15.8

17.2 17.5

17.8 18.1

50 17.0 17.3 9+00 15.0 15.3

17.9 18.2

17.9 18.2

18.1 18.4 +50 9.3 9.6

17.6 17.9 2:49 7.3 7.6

18.6 18.9 10+00 7.6 7.9

2.0 2.3

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PROFILE TO WLY. SIDE OF VENTURA BRIDGE

0+00 - See N.B. N° 88, Pg. 66, SOUND N 50° W

Dist Sound Elev Dist Sound Elev

0+00 (0.4) 14.9 14.5

(10.4) 13.9 13.5

50 13.4 13.0

11.30 12.2 11.8

2.3 1.9 12.1 11.7

50 3.2 2.8 12.8 12.4

3.0 2.6 13.9 13.5

4.7 4.3 3+00 14.3 13.9

9.9 9.5 11.35 13.8 13.4

10.7 10.3 13.2 12.8

1+00 13.6 13.2 13.0 12.6

14.6 14.2 11.5 11.1

14.7 14.3 50 11.2 10.8

14.8 14.4 11.7 11.3

14.6 14.2 12.3 11.9

50 14.3 13.9 12.0 11.6

15.4 15.0 12.5 12.1

14.8 14.4 4+00 12.8 12.4

15.3 14.9 13.8 13.4

14.5 14.1 14.3 13.9

2+00 15.7 15.3 14.2 13.8

15.2 14.8 14.2 13.8

15.4 15.0 50 13.7 13.3

WLY. PROFILE CONTD N'LY.

Dist Sound Elev Dist Sound Elev

(10.4) 14.1 13.7 (0.4) 22.1 21.7

14.3 13.9 22.1 21.7

12.1 11.7 22.0 21.6

10.5 10.1 22.3 21.9

5+00 10.0 9.6 50 22.0 21.6

11.3 10.9 21.6 21.2

12.6 12.2 20.6 20.2

12.6 12.2 20.5 20.1

13.6 13.2 20.3 19.9

50 13.9 13.5 8+00 20.3 19.9

14.3 13.9 20.9 20.5

15.9 15.5 21.2 20.8

18.1 17.7 21.0 20.6

19.1 18.7 20.3 19.9

6+00 19.2 18.8 50 20.1 19.7

11.40 20.0 19.6 18.5 18.1

20.3 19.9 17.8 17.4

20.4 20.0 17.3 16.9

21.6 21.2 16.0 15.6

50 20.7 20.3 9+00 15.5 15.1

21.8 21.4 12.8 12.4

21.7 21.3 12.6 12.2

21.7 21.3 11.1 10.7

22.2 21.8 50 8.4 8.0

15.45 7.2 6.8

4.2 3.8 7+00 2.2 1.8

9+00 2.6 2.2

(See X-secs)
Pg. 32.

2-08-60

TOP OF SHOULDER N^o 222, SOUND WLY.

DIST SOUND ELEV DIST SOUND ELEV

0+00 = 100' WLY OF TOP SHLDR

0+00

(1.0) 0.2 +0.8

4.9 3.9

3:15 7.3 6.3

7.9 6.9

50 8.0 7.0

8.0 7.0

8.2 7.2

8.5 7.5

8.6 7.6

1+00 8.8 7.8

9.0 8.0

9.0 8.0

8.9 7.9

8.9 7.9

50 9.0 8.0

9.1 8.1

8.9 7.9

8.9 7.9

8.5 7.5

2+00 8.5 7.5

(3)

TOP OF SHLDR N^o 223, SOUND WLY

0+00 = 110' WLY OF TOP OF SHLDR

DIST SOUND ELEV DIST SOUND ELEV

0+00

(1.1) 3.7 2.6

3:15 7.6 6.5

8.0 6.9

50 8.4 7.3

9.0 7.9

9.2 8.1

9.1 8.0

9.0 7.9

1+00 9.0 7.9

8.9 7.8

8.9 7.8

9.0 7.9

9.1 8.0

50 9.2 8.1

9.0 7.9

9.1 8.0

9.2 8.1

9.2 8.1

2+00 9.0 7.9

NOTE: No 224 = EXTREME ERODED SEC.

TOP OF SHLDR No 224; SOUND WLY.
 0+00 = 100' WLY OF TOP OF SHLDR.
 Dist Sound Elev Dist Sound Elev

0+00		
(12)		
<u>3120</u>	1.5	0.3
	5.7	4.5
50	7.3	6.1
	7.8	6.6
	8.2	7.0
	8.2	7.0
	8.2	7.0
1+00	8.9	7.7
	8.9	7.7
	8.8	7.6
	8.8	7.6
	9.0	7.8
50	9.2	8.0
	9.2	
	9.2	
	9.2	8.0
	9.3	8.1
2+00	9.2	8.0

2-08-60

(30)

TOP SHLDR No 222; 0+00 = SHLDR.
 Sta + H.I. - Elev Mon.
 B.N. 2.27 19.30 17.03 N 7128.29
 W 13222.74

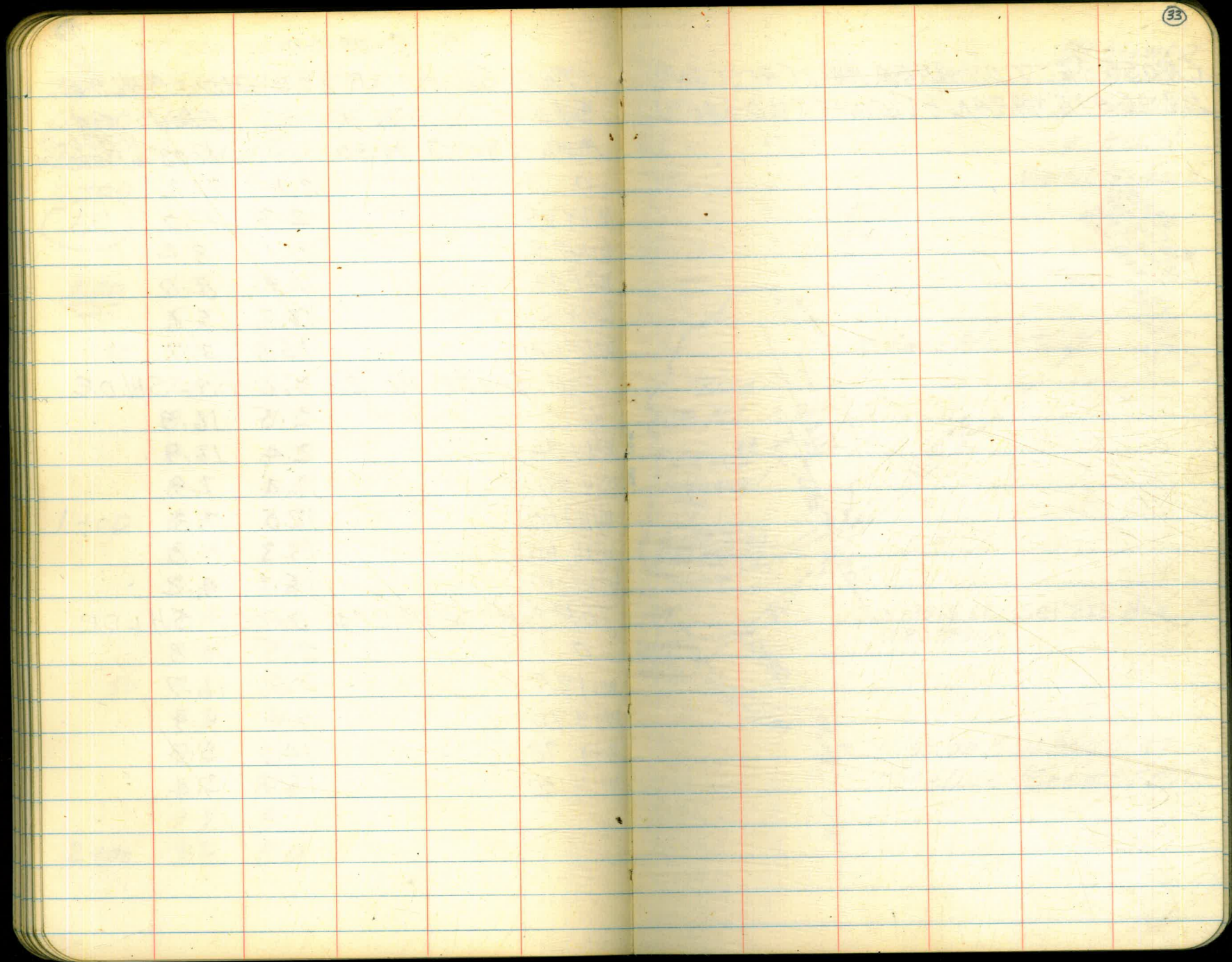
0	2.1	17.2
WLY 25	2.3	17.0
WLY 79	11.1	8.2
WLY 89	11.3	8.0
WLY 91	13.7	5.6
WLY 100	15.6	3.7

TOP SHLDR No 223; 0+00 = SHLDR

0	2.5	16.8
WLY 34	2.4	16.9
WLY 90	11.4	7.9
WLY 100	12.0	7.3
WLY 102	13.3	6.0
WLY 110	15.1	4.2

TOP SHLDR No 224; 0+00 = SHLDR

0	2.5	16.8
WLY 25	2.6	16.7
WLY 76	9.4	9.9
WLY 78	14.0	5.3
WLY 100	15.9	3.4



		STA. 1475		2-16-60	
Sta	+	H. I.	-	Elev	
0		11.90	4.3	7.6	
Lt. 11			3.4	8.5	
Lt. 60			2.8	9.1	
Rt 20			7.4	4.5	
Rt 39			9.4	2.5	
STA. 2+00					
0			4.6	7.3	
Lt. 11			3.6	8.3	
Lt. 27			3.1	8.8	
Lt. 39			2.5	9.4	
Lt. 50			2.9	9.0	
Lt. 65			2.9	9.0	
Rt 18			7.1	4.8	
Rt 40			9.6	2.3	
STA. 2+25					
0			4.8	7.1	
Lt. 17			3.5	8.4	
Lt. 28			3.2	8.7	Gross
Lt. 45			1.5	10.4	
Lt. 58			2.8	9.1	
Lt. 75			2.8	9.1	
Rt 18			7.4	4.5	
Rt 28			8.8	3.1	
Rt 39			9.6	2.3	

		STA. 2+50		(36)	
Sta	+	H. I.	-	Elev	
0		11.90	5.0	6.9	
Lt. 8			4.3	7.6	
Lt. 41			2.7	9.2	Grass
Lt. 54			1.8	10.1	
Lt. 66			2.9	9.0	
Lt. 88			1.9	10.0	
Lt. 100			2.6	9.3	
Lt. 110			3.0	8.9	@Bldg
Rt 20			7.8	4.1	
Rt 35			9.5	2.4	
STA. 2+75					
0			4.9	7.0	
Lt. 15			4.1	7.8	
Lt. 46			2.8	9.1	Grass
Lt. 68			1.2	10.7	
Lt. 95			3.0	8.9	
Rt 20			7.7	4.2	
Rt 38			9.6	2.3	

Sta	H.I	-	Elev	
0	11.90	4.8	7.1	
Lt. 15		4.0	7.9	
Lt. 45		2.9	9.0	Grass
Lt. 59		1.5	10.4	
Lt. 85		3.1	8.8	Bldg
Rt 20		7.8	4.1	
Rt 40		10.0	1.9	

STA. 3+25

0	4.9	7.0	
Lt 15	3.6	8.3	
Lt 34	3.2	8.7	Grass
Lt 52	1.8	10.1	
Lt. 78	3.1	8.8	Bldg
Rt 22	7.9	4.0	
Rt. 45	10.0	1.9	

STA. 3+50

0	4.6	7.3	
Lt. 10	3.7	8.2	
Lt. 30	3.1	8.8	
Lt. 47	1.4	10.5	
Lt. 66	3.1	8.8	
Rt 15	6.8	5.1	
Rt 35	9.1	2.8	
Rt 43	9.8	2.1	

Sta	H.I	-	Elev
0	11.90	3.7	8.2
Lt. 5		3.2	8.7
Lt. 19		3.3	8.6
Lt. 40		1.9	10.0
Lt. 56		2.9	9.0
Rt 10		5.5	6.4
Rt 25		7.7	4.2
Rt 40		9.4	2.5

STA 4+00

0	3.7	8.2
Lt. 7	3.1	8.8
Lt. 12	3.0	8.9
Lt 25	1.7	10.2
Lt. 40	3.0	8.9
Rt 12	5.9	6.0
Rt. 28	7.8	4.1
Rt 50	9.9	2.0

STA 4+25

0	2.9	9.0
Lt. 15	1.5	10.4
Lt. 34	3.1	8.8
Rt. 18	6.0	5.9
Rt 32	7.8	4.1
Rt 55	9.8	2.1

STA. 4+50 2-16-60

Sta	H.1	-	Elev
0	11.90	2.4	9.5
Lt. 3		2.1	9.8
Lt 22		3.0	8.9
Rt 20		6.2	5.7
Rt 40		8.0	3.9
Rt 55		9.3	2.6
TBM.	2.22	9.68	4+62.5 79.35
TBM.	3.465	8.435	8.435

SOUNDINGS NWLY CRESCENT BAY

Dist Sound Elev Dist Sound Elev

STA. 0+25; 0+00=50' SLY. Sound SLY

0+00			1.8	+1.0
(28) 2-17-60	50		1.9	+0.9
			2.1	+0.7
9:20	0.4	+2.4	2.4	+0.4
	0.5	+2.3	2.6	+0.2
50	0.6	+2.2	3.1	0.3
	0.7	+2.1	2+00 4.7	1.9
	0.8	+2.0	5.9	3.1
	0.9	+1.9	6.8	4.0
	1.1	+1.7	7.1	4.3
1+00	1.0	+1.8	7.3	4.5
	1.2	+1.6	50 7.3	4.5
	1.5	+1.3	9.0	6.2
	1.8	+1.0	11.6	8.8

STA. 0+50; 0+00=40' SLY B/L; SOUND SLY. (30)

Dist Sound Elev Dist Sound Elev

0+00			1.4	+1.5
(29)			1.5	+1.4
			1.5	+1.4
9:25			1.6	+1.3
	0.0	+2.9	50 1.8	+1.1
50	0.2	+2.7	2.0	+0.9
	0.5	+2.4	2.0	+0.9
	0.8	+2.1	2.1	+0.8
	1.1	+1.8	2+00 2.3	+0.6
	1.2	+1.7	3.2	0.3
			4.3	1.4
1+00	1.3	+1.6	5.0	2.1
			5.8	2.9
			6.3	3.4
			50-7.0	4.1
			7.3	4.4

STA. 0+75; 0+00=30' SLY OF B/L; SOUND SLY.

0+00			1.4	+1.6
(30)			1.5	+1.5
			50 1.6	+1.4
9:30			1.8	+1.2
	0.4	+2.6	1.9	+1.1
50	0.7	+2.3	2.0	+1.0
	0.8	+2.2	2.6	+0.4
	0.9	+2.1	2+00 3.0	0.0
	1.0	+2.0	3.6	0.6
	1.1	+1.9	4.3	1.3
	1.1	+1.9	4.8	1.8
1+00	1.2	+1.8	5.1	2.1
			50 5.2	2.2
	1.2	+1.8	5.6	2.6
			6.0	3.0
			7.2	4.2
			11.0	8.0
			3+00 11.4	8.4

2-17-60

STA. 1+00; 0+00 = 30' SLY OF B/L; SOUND SLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+30	0.6	+2.6		1.7	+1.3
(30)	1.0	+2.0	50	1.9	+1.1
50	1.2	+1.8		2.0	+1.0
	1.2	+1.8		2.3	+0.7
<u>9:35</u>	1.3	+1.7	50	2.2	+0.8
	1.2	+1.8		2.2	+0.8
	1.1	+1.9	2+00	2.3	+0.7
1+00	1.3	+1.7		2.5	+0.5
	1.5	+1.5		3.4	0.4
	1.6	+1.4	50	4.2	1.2
	1.6	+1.4		4.5	1.5
				4.7	1.7
				5.0	2.0
				5.8	2.8
				11.5	8.5
				11.4	8.4

STA. 1+25; 0+00 = 20' SLY OF B/L; SOUND SLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+30	0.6	+2.5		2.2	+0.9
(31)	1.0	+2.1		2.2	+0.9
50	1.3	+1.8		2.2	
	1.3	+1.8		2.2	
<u>9:40</u>	1.5	+1.6	2+00	2.6	+0.5
	1.6	+1.5		2.6	
	1.8	+1.3		2.6	
1+00	1.8	+1.3		2.6	
	1.7	+1.4		2.6	
	1.7	+1.4	50	2.9	+0.2
	1.7	+1.4		3.2	0.1
	1.8	+1.3		3.2	0.1
	1.8	+1.3		3.0	+0.1
50	1.9	+1.2	3+00	3.8	0.7
				7.9	4.8
				9.8	6.7
				10.3	7.2

STA. 1+50; 0+00 = 20' SLY OF B/L; SOUND SLY. (30)

Dist	Sound	Elev	Dist	Sound	Elev
0+30	1.0	+2.1		2.3	+0.8
(31)	1.6	+1.5	50	2.4	+0.7
				2.5	+0.6
50	2.2	+0.9		2.5	+0.6
	2.2	+0.9		2.6	+0.5
	2.2	+0.9		2.5	+0.6
	2.1	+1.0	2+00	2.5	+0.6
<u>9:45</u>	2.1	+1.0		2.4	+0.7
	2.1	+1.0		2.9	+0.2
	2.2	+0.9		3.0	+0.7
1+00	2.2	+0.9	50	3.4	+0.6
				3.5	+0.3
	2.3	+0.8		3.8	+0.6
	2.3	+0.8		3.5	+0.4
	2.4	+0.7		3.8	+0.3
	2.4	+0.7	3+00	3.2	0.1
	2.4	+0.7		6.7	3.6
				9.8	6.7
				10.2	7.1

STA. 1+75; 0+00 = 10' SLY OF B/L; SOUND SLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+30	0.5	+2.7		2.3	+0.9
(32)	1.4	+1.8		2.4	+0.8
50	2.4	+0.8		2.5	+0.7
	2.9	+0.3		2.4	+0.8
<u>9:50</u>	2.8	+0.4	2+00	2.5	+0.7
	2.5	+0.7		2.4	+0.8
	2.4	+0.8		2.5	+0.7
1+00	2.5	+0.7	50	2.4	+0.8
	2.6	+0.6		2.5	+0.7
	2.6	+0.6		2.4	+0.8
	2.7	+0.5	3+00	2.5	+0.7
	2.5	+0.7		2.6	+0.6
50	2.4	+0.8		3.0	+0.2
				3.0	+0.2
				2.9	+0.3
				3.4	0.2
				6.9	3.7
				10.1	6.9
				10.4	7.2

2-17-60

STA. 2+00; 0+00 = 10' SLY. OF B/L; SOUND SLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+30	1.1	+2.1		2.6	+0.6
(32)	1.6	+1.6	50	2.6	+0.6
50	2.5	+0.7		2.7	+0.5
	3.3	0.1	2+00	2.7	+0.5
9:55	3.3	0.1		2.6	+0.6
	3.2	0.0		2.5	+0.7
	3.0	+0.2	50	2.6	+0.6
1+00	3.0	+0.2		2.9	+0.3
	2.9	+0.3	3+00	2.0	+0.2
	2.8	+0.4		1.7	+0.5
	2.7	+0.5		1.9	+0.3
				1.4	0.2
				1.7	2.5
				9.8	6.6
				11.0	7.8

STA. 2+25; 0+00 = 10' SLY. OF B/L; SOUND SLY.

0+30	1.1	+2.2		2.9	+0.4
(33)	2.0	+1.3		2.5	+0.8
50	3.0	+0.3		2.5	+0.8
	3.9	0.6		2.3	+1.0
	3.9	0.6	2+00	2.4	+0.9
10:00	4.0	0.7		2.4	+0.9
	3.9	0.6	50	2.5	+0.8
1+00	3.5	0.2		2.6	+0.7
	3.2	+0.1		3.0	+0.3
	3.2	+0.1	3+00	3.0	+0.3
	3.0	+0.3		3.2	+0.1
	2.9	+0.4		3.0	+0.2
				3.1	+0.2
				3.2	+0.1
				3.2	+0.1
				3.9	0.6
				9.0	5.7
				11.3	8.0
50	2.8	+0.5		11.8	8.5

(40)

STA. 2+50; 0+00 = 10' SLY. OF B/L; SOUND SLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+30	1.3	+2.1		2.7	+0.7
(34)	2.0	+1.4	50	2.7	+0.7
50	3.2	+0.2		2.9	+0.5
	4.1	0.7	2+00	2.8	+0.6
10:10	4.2	0.8		2.9	+0.5
	4.0	0.6		2.9	+0.5
	3.6	0.2	50	2.9	+0.5
1+00	3.4	0.0		2.0	+0.4
	3.1	+0.3	3+00	2.9	+0.5
	2.9	+0.5		3.3	+0.1
	2.8	+0.6		3.8	5.4
				10.5	7.1
				10.9	7.5

STA. 2+75; 0+00 = 10' SLY. OF B/L; SOUND SLY.

0+30	1.4	+2.0		3.0	+0.4
(34)	2.1	+1.3		3.0	+0.4
50	3.3	+0.1		3.0	+0.4
	4.4	1.0		3.0	+0.4
10:15	4.5	1.1	2+00	2.9	+0.5
	4.0	0.6		2.7	+0.7
	3.6	0.2	50	2.6	+0.8
1+00	3.0	+0.4		2.7	+0.7
	2.9	+0.5		2.9	+0.5
	2.9	+0.5	3+00	2.9	+0.5
	3.0	+0.4		3.1	+0.3
	3.0			3.2	+0.2
	3.0			3.3	+0.1
				3.3	+0.1
				3.6	0.2
				4.2	0.8
				10.9	7.5
				11.3	7.9
50	3.0				

2-17-60

STA. 4+00: 0+00 = 20' SLY. OF B/L; SOUND SLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+40	2.2	+1.5		3.4	+0.3
				3.4	+0.3
				3.4	+0.3
50	4.1	0.4	2+00	3.3	+0.4
(37)	4.7	1.0		3.3	+0.4
	4.8	1.1		3.3	+0.4
				3.5	+0.2
1045	4.8	1.1	50	3.7	0.0
	4.1	0.4		3.8	0.1
				3.9	0.2
1+00	3.4	+0.3	3+00	4.0	0.3
	3.2	+0.5		4.0	0.3
	3.2	+0.5		4.2	0.5
	3.4	+0.3		10.3	6.6
	3.7	0.0		11.9	7.2
50	3.5	+0.2			
	3.5	+0.2			

STA. 4+25: 0+00 = 20' SLY. OF B/L; SOUND SLY.

0+40	2.1	+1.7		3.2	+0.6
50	3.1	+0.7		3.2	+0.6
(38)	4.3	0.5		3.2	+0.6
	4.8	1.0	2+00	3.3	+0.5
				3.3	+0.5
11:00	4.8	1.0		3.4	+0.4
	4.6	0.8		3.4	+0.4
				3.8	0.0
1+00	4.3	0.5	50	4.0	0.2
	4.0	0.2		4.1	0.3
	3.7	+0.1		4.2	0.4
	3.7	+0.1	3+00	4.2	0.4
	3.5	+0.3		4.7	0.9
50	3.2	+0.6		11.3	7.5
	3.2	+0.6		11.2	7.4

STA. 4+50: 0+00 = 20' SLY. OF B/L; SOUND SLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+40	1.6	+2.3		4.4	0.5
50	2.4	+1.5		10.6	6.7
(39)	3.2	+0.7	3+00	14.1	10.2
	4.4	0.5			
11:10	5.0	1.1			
	5.0				
1+00	5.0				
	5.0				
	4.3	0.4			
	3.9	0.0			
	3.3	+0.6			
50	3.2	+0.7			
	3.0	+0.9			
	2.8	+1.1			
	2.9	+1.0			
	2.9	+1.0			
2+00	3.0	+0.9			
	3.3	+0.6			
	3.2	+0.7			
	3.3	+0.6			
	3.5	+0.4			
50	3.9	0.0			
	4.1	0.2			
	4.1	0.2			

Ref. F.B. N^o 128

8

2-29-60

(43)

CROSS SEC'S CARRILLO ISLAND

TOP OF SHOULDER N^o 222 0+00 = TOP SHLDR.

STA	+	H.I.	-	ELEV
B.M.	2.17	19.20		17.03
0			1.9	17.3
W 29			2.3	16.9
W 63			8.4	10.8
W 63			12.7	6.5

Morr
DustyN^o 225; 0+00 = TOP OF SHLDR, SEC'S WLY.

STA	+	H.I.	-	ELEV
0		19.20	3.1	16.1
W 36			2.8	16.4
W 68			7.6	11.6
W 68			12.4	6.8
W 80			14.1	5.1

N^o 223; 0+00 = TOP OF SHLDR; SEC'S WLY.

0	2.8	16.4
W 36	2.4	16.8
W 68	8.5	10.7
W 69	13.1	6.1

N^o 226; 0+00 = TOP OF SHLDR; SEC'S WLY.

0	3.0	16.2
W 32	3.2	16.0
W 51	6.9	12.3
W 51	13.2	6.0

N^o 224; 0+00 = TOP OF SHLDR; SEC'S WLY.

0	3.2	16.0
W 25	2.7	16.5
W 61	7.2	12.0
W 62	12.8	6.4

N^o 227; 0+00 = TOP OF SHLDR; SEC'S WLY.

0	3.0	16.2
W 32	3.3	15.9
W 53	6.4	12.8
W 53	12.0	7.2
E 50	2.9	16.3
E 100	3.3	15.9
E 150	2.7	16.5
E 200	2.0	17.2

2-29-60

No 227 CONTD ELY

Sta	+	H.I.	-	Elev
E250		19.20	2.0	17.2
E300			2.3	16.9
E350			2.0	17.2
E400			2.9	16.3
E450			2.9	16.3
E500			3.0	16.2
E550			3.1	16.1
E585			3.2	16.0
E600			4.2	15.0
E550			9.5	9.7

2-29-60

TOP OF SHLDR. No 222: 0+00=70' WLY. SOUND WLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(37)	11.1	7.4
(37)			50	11.1	7.4
	1.2	+2.5		11.8	8.1
<u>11.15</u>	2.2	+1.5		12.3	8.6
	2.8	+0.9		12.3	{
50	3.5	+0.2		12.3	{
	8.3	4.6	3+00	12.3	{
	9.8	6.1			
	10.1	6.4			
	10.2	6.5			
1+00	10.3	6.6			
	10.5	6.8			
	11.1	7.4			
	11.2	7.5			
	11.2	7.5			
50	11.2	7.5			
	11.3	7.6			
	11.2	7.5			
	11.1	7.4			
	11.0	7.3			
2+00	10.9	7.2			
	10.9	7.2			
	10.9	7.2			
	11.0	7.3			

2-29-60

TOP OF SHLDRN #223; 0+00 = 80' WLY. SOUND WLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3.5)	11.0	7.5
(3.5)	0.5	+3.0	50	10.7	7.2
	1.4	+2.1		10.4	6.9
<u>1:22</u>	2.0	+1.5		10.3	6.8
	2.5	+1.0	<u>1:25</u>	10.2	6.7
50	3.5	0.0		10.2	6.7
	7.9	4.4	3+00	10.2	6.7
	10.0	6.5		10.3	6.8
	10.5	7.0		10.3	6.8
	10.8	7.3		10.4	6.9
1+00	10.9	7.4		10.7	7.2
	11.0	7.5	50	10.8	7.3
	11.1	7.6			
	11.2	7.7			
	11.3	7.8			
50	11.2	7.7			
	11.1	7.6			
	11.2	7.7			
	11.2	7.7			
	11.2	7.7			
2+00	11.1	7.6			
	11.2	7.7			
	11.1	7.6			
	11.1	7.6			

(45)

TOP OF SHLDRN #224; 0+00 = 70' WLY. SOUND WLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3.3)	10.6	7.3
(3.3)			50	10.5	7.2
				10.5	7.2
<u>1:30</u>	0.6	+2.7		10.6	7.3
	1.3	+2.0		10.5	7.2
50	2.1	+1.2		10.5	7.2
	2.6	0.7	3+00	10.5	7.2
	4.4	1.1			
	8.6	5.3			
	9.9	6.6			
1+00	10.3	7.0			
	10.4	7.1			
	10.5	7.2			
	10.6	7.3			
	10.7	7.4			
50	10.8	7.5			
	10.8	7.5			
	10.7	7.4			
	10.6	7.3			
	10.7	7.4			
2+00	10.7	7.4			
	10.6	7.3			
	10.8	7.5			
	10.5	7.2			

2-29-60

TOP OF SHLDR. NO 225; 0+00=80' WLY. SOUND WLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3)	9.9	6.8
(31)			50	9.5	6.4
				9.3	6.2
<u>1:40</u>				9.2	6.1
	1.3	+1.8		9.2	6.1
50	1.6	+1.5		9.4	6.3
	2.0	+1.1	3+00	10.0	6.9
	2.8	+0.3			
	5.0	1.9			
	9.3	6.2			
1+00	10.9	7.8			
	11.3	8.2			
	11.6	8.5			
	11.8	8.7			
	11.5	8.4			
50	10.4	7.3			
	10.6	7.5			
	10.8	7.7			
	10.5	7.4			
	10.5	7.4			
2+00	10.6	7.5			
	10.0	6.9			
	10.1	7.0			
	9.6	6.5			

(46)

TOP OF SHLDR. NO 226; 0+00=70' WLY. SOUND WLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(30)	9.5	6.5
(30)			50	9.5	6.5
	0.8	+2.2		9.7	6.7
<u>1:45</u>	1.2	+1.8		9.8	6.8
	1.7	+1.3		9.8	6.8
50	2.3	+0.7		9.9	6.9
	3.0	0.0	3+00	10.5	7.5
	3.6	0.6		11.0	8.0
	6.5	3.5		11.0	8.0
	8.9	5.9			
1+00	9.3	6.3			
	9.8	6.8			
	9.8	6.8			
	9.5	6.5			
	10.0	7.0			
50	10.3	7.3			
	10.2	7.2			
	10.2	7.2			
	10.1	7.1			
	10.0	7.0			
2+00	10.2	7.2			
	10.3	7.3			
	10.0	7.0			
	9.6	6.6			

2-29-60

TOP OF SHLDR. N° 227; 0+00 = TO WLY.; SOUND WLY.

Dist Sound Elev Dist Sound Elev

0+00

(29)

1155

0.8 +2.1

50 1.5 +1.4

2.5 +0.4

6.1 3.2

9.9 7.0

11.3 8.4

1+00 12.0 9.1

12.0 9.1

12.0 9.1

11.1 8.2

10.8 7.9

50 10.9 8.0

10.4 7.5

10.9 8.0

10.5 7.6

10.5 7.6

2+00 10.5 7.6

3-22-60

CROSS SECTIONS CABRILLO ISLAND

TOP OF SHLDR N° 222; 0+00 = TOP SHLDR.

Sta + H.1 - Elev

B.M. 2.29 19.32 17.03 Non Dusty

0 2.0 17.3

W 26 2.9 16.4

W 62 8.7 10.6

W 62 13.6 5.7

W 94 16.6 2.7

W 100 17.3 2.0

N° 223; 0+00 = TOP SHLDR. SEC'S WLY.

0 2.6 16.7

W 35 2.3 17.0

W 67 8.5 10.8

W 67 14.1 5.2

W 100 17.7 1.6

W 110 17.9 1.4

N° 224; 0+00 = TOP SHLDR.; SEC. WLY.

0 2.9 16.4

W 31 2.6 16.7

W 61 7.2 12.1

W 61 13.1 6.2

W 100 16.7 2.6

W 120 18.1 1.2

3-22-60

N^o 225; 0+00 = TOP OF SHLDR; SEC. WLY.

Sta	+	H.I.	-	Elev
0		19.32	3.1	16.2
W 33			2.8	16.5
W 67			7.6	11.7
W 67			13.1	6.2
W 100			16.0	3.3
W 120			17.4	1.9
W 140			18.4	0.9

N^o 226; 0+00 = TOP OF SHLDR; SEC. WLY.

0		3.1	16.2
W 31		3.5	15.8
W 48		6.9	12.4
W 48		13.2	6.1
W 70		14.7	4.6
W 100		17.4	1.9
W 120		19.0	0.3

N^o 227; 0+00 = TOP OF SHLDR; SEC. WLY.

0		3.0	16.3
W 25		3.3	16.0
W 52		6.8	12.5
W 52		13.2	6.1
W 70		13.9	5.4
W 100		16.1	3.2
W 120		17.8	1.5

TOP OF SHLDR N^o 222; 0+00 = 70' WLY. SOUNDWLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(70)	8.0	7.0
(10)			50	7.9	6.9
				8.0	7.0
<u>1+00</u>				8.3	7.3
	0.0	+1.0		8.7	7.7
50	0.8	+0.2		9.2	8.2
	5.5	4.5	3+00	9.4	8.4
	6.8	5.8			
	7.2	6.2			
	7.2	6.2			
1+00	7.3	6.3			
	7.5	6.5			
	8.0	7.0			
	8.2	7.2			
	8.3	7.3			
50	8.3	7.3			
	8.0	7.0			
	8.0				
	8.0				
	8.0				
2+00	7.8	6.8			
	7.8	6.8			
	7.9	6.9			
	8.0	7.0			

3-22-60

TOP OF SHLDR. N^o 223; 0+00=80' WLY.; SOUND WLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(98)	8.1	7.3
#			50	8.0	7.2
(08)				7.7	6.9
<u>1,43</u>				7.8	7.0
				7.7	6.9
50	0.8	0.0		7.3	6.5
	5.0	4.2	3+00	7.4	6.6
	7.1	6.3		7.5	6.7
	7.8	7.0		7.7	6.9
	8.2	7.4		7.9	7.1
1+00	8.3	7.5		8.1	7.3
	8.4	7.6	50	8.1	7.3
	8.5	7.7			
	8.5	7.7			
	8.6	7.8			
50	8.6	7.8			
	8.5	7.7			
	8.4	7.6			
	8.5	7.7			
	8.4	7.6			
2+00	8.5	7.7			
	8.5	7.7			
	8.4	7.6			
	8.2	7.4			

(49)

TOP OF SHLDR. N^o 224; 0+00=70' WLY.; SOUND WLY.

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(99)	8.2	7.3
			50	8.2	7.3
				8.1	7.2
				8.2	7.3
				8.3	7.4
				8.4	7.5
	0.2	+0.7	3+00	8.3	7.4
	1.8	0.9			
	6.4	5.5			
	7.5	6.6			
1+00	8.1	7.2			
	8.2	7.3			
	8.3	7.4			
	8.4	7.5			
	8.4				
50	8.4				
	8.4				
	8.4				
	8.4				
	8.3	7.4			
2+00	8.3	7.4			
	8.2	7.3			
	8.3	7.4			
	8.3	7.4			

3-22-60

TOP OF SHLDR. N° 225; 0+00=120' WLY.; SOUND WLY.

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(0.9)	7.9	7.0
(0.9)			50	8.1	7.2
				8.0	7.1
<u>1155</u>	0.9	8.0		7.9	7.0
	2.8	1.9		7.9	7.0
50	7.1	6.2		7.8	6.9
	8.2	7.3	3+00	8.0	7.1
	8.4	7.5			
	9.0	8.1			
	9.5	8.6			
1+00	9.2	8.3			
	9.0	8.1			
	8.8	7.9			
	8.5	7.6			
	8.3	7.4			
50	8.3	7.4			
	8.3	7.4			
	8.0	7.1			
	7.9	7.0			
	8.0	7.1			
2+00	8.0	7.1			
	8.1	7.2			
	8.1	7.2			
	8.0	7.1			

(50)

TOP OF SHLDR. N° 226; 0+00=70' WLY.; SOUND WLY.

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(1.0)	7.4	6.4
(1.0)			50	7.4	6.4
				7.3	6.3
				7.4	6.4
<u>2100</u>				7.5	6.5
50	0.2	+0.8		7.7	6.7
	0.8	+0.2	3+00	8.0	7.0
	0.9	+0.1			
	5.0	4.0			
	6.9	5.9			
1+00	7.5	6.5			
	7.9	6.9			
	7.7	6.7			
	7.5	6.5			
	7.4	6.4			
50	8.1	7.1			
	8.5	7.5			
	8.2	7.2			
	8.0	7.0			
	8.0	7.0			
2+00	8.0	7.0			
	8.2	7.2			
	7.9	6.9			
	7.4	6.4			

3-22-60

TOP OF SHALDR. N° 227; 0+00 = 70 WLY.; SOUND WLY.

Dist Sound Elev Dist Sound Elev

0+00 (1.2) 8.9 7.7

(1.2) 50 9.0 7.8

9.0 7.8

2+05 8.9 7.7

8.9 7.7

50 8.8 7.6

3+00 8.8 7.6

2.0 0.8

7.1 5.9

9.8 8.6

1+00 10.1 8.9

10.0 8.8

9.0 7.8

9.0 7.8

9.2 8.0

50 9.1 7.9

9.2 8.0

9.0 7.8

9.0 }

9.0 }

2+00 9.0 }

8.9 7.7

8.9 }

8.9 }

X-SECTIONS OF Shore-Nky END
BM- 10.41 - MON RED

OF ELY TIERRA DEL FUEGO

8/2/60 - ALLEN, HAM,
GADDY - PORTER

(53)

W 143+00; 0+00 = N 10,186.59

STA	ELEV
0	10.3
S50	10.1
N43	9.6
N70	7.4
N92	5.5
N120	2.7

W 144+00; 0+00 = N 10,144.14

0	10.3
S50	10.6
N26	9.7
N65	6.7
N76	5.2
N88	3.6
N115	2.8

W 146+00; 0+00 = N 10,059.25

0	8.0
S26	9.9
S50	10.7
N15	6.7
N30	5.3
N57	2.8

TBM - 8.22 HUB AT W 14800; N 9974.36

W 148+00; 0+00 = N 9974.36

STA	ELEV
0	8.2
S30	11.4
S50	11.4
N23	6.2
N35	5.1
N56	2.8

W 150+00; 0+00 = N 9889.47

0	8.7
S18	10.2
S50	10.3
N29	6.3
N40	4.7
N56	2.8

W 151+00; 0+00 = N 9847.02

0	9.68
S5	10.1
S50	10.4
N42	6.3
N53	5.2
N58	4.6
N62	4.5
N89	2.8

IN HUB -
SAND JETTING

Levels Turned BACK TO "Red"
ELEV = 10.41 -

8-02-60

STA. W. 143+00, 0+00 = N. 10,280; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+00

(35) (NOTE: See Shore Sec's Pg 53)

11.25 0.8 +2.7

2.0 +1.5

50 3.8 0.3

5.5 2.0

6.8 3.3

8.1 4.6

9.0 5.5

1+00 9.9 6.4

10.4 6.9

10.8 7.3

11.2 7.7

11.7 8.2

50 12.0 8.5

12.3 8.8

12.8 9.3

12.8 9.3

12.8 9.3

2+00 12.5 9.0

54

STA. W. 144+00, 0+00 = N. 10,220; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+00

(36)

0.1 +3.5

11.30 0.2 +3.4

0.8 +2.8

50 1.4 +2.2

2.1 +1.5

3.6 0.0

5.7 2.1

7.9 4.3

1+00 8.6 5.0

9.0 5.4

10.9 7.3

11.9 8.3

12.3 8.7

50 12.9 9.3

13.1 9.5

13.0 9.4

13.0 9.4

13.0 9.4

2+00 13.0 9.4

12.9 9.3

8-02-60

STA. W. 146+00; 0+00 = N. 10,090; Sound NORTH

Dist Sound Elev Dist Sound Elev

0+00

11.4

(3.6)

50 11.2

11.35 0.9 +2.7

1.9 +1.7

50 2.9 +0.7

3.5 +0.1

7.0 3.4

9.1 5.5

10.8 7.2

1+00 10.9 7.3

11.1 7.5

11.1 7.5

11.0 7.4

11.1 7.5

50 11.1

11.1

11.1

11.3 7.7

11.8 8.2

2+00 11.6 8.0

11.9 8.3

11.7 8.1

11.5 7.9

(55)

STA. W. 148+00; 0+00 = N. 10,010; Sound NORTH

Dist Sound Elev Dist Sound Elev

0+00

(3.6)

0.5 +3.1

1.40 1.7 +1.9

3.4 +0.2

50 7.2 3.6

9.8 6.2

10.6 7.0

11.1 7.5

11.4 7.8

1+00 11.2 7.6

11.3 7.7

11.8 8.2

11.9 8.3

12.0 8.4

50 12.0 8.4

12.1 8.5

12.0 8.4

12.1 8.5

12.1 8.5

2+00 12.1 8.5

8-02-60

STA. W. 150+00; 0+00=N. 9930; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+00

(3.7)	0.2	+3.5
	1.2	+2.5

<u>11.45</u>	2.1	+1.6
--------------	-----	------

	3.0	+0.7
--	-----	------

50	3.1	+0.6
----	-----	------

	3.8	0.1
--	-----	-----

	7.2	3.5
--	-----	-----

	9.4	5.7
--	-----	-----

	11.3	7.6
--	------	-----

1+00	12.0	8.3
------	------	-----

	12.1	8.4
--	------	-----

	12.0	8.3
--	------	-----

	12.2	8.5
--	------	-----

	12.4	8.7
--	------	-----

50	12.8	9.1
----	------	-----

	12.9	9.2
--	------	-----

	12.9	}
--	------	---

	12.9	}
--	------	---

	12.8	9.1
--	------	-----

2+00	13.0	9.3
------	------	-----

(56)

STA. W. 151+00; 0+00=W. 9900; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+00

(3.7)		
-------	--	--

<u>11.50</u>	0.3	+3.4
--------------	-----	------

	1.2	+2.5
--	-----	------

50	2.1	+1.6
----	-----	------

	5.9	2.2
--	-----	-----

	7.9	4.2
--	-----	-----

	10.2	6.5
--	------	-----

	12.1	8.4
--	------	-----

1+00	12.3	8.6
------	------	-----

	12.6	8.9
--	------	-----

	12.8	9.1
--	------	-----

	13.3	9.6
--	------	-----

	13.8	10.1
--	------	------

50	13.8	}
----	------	---

	13.8	}
--	------	---

	13.9	10.2
--	------	------

	13.9	}
--	------	---

	13.9	}
--	------	---

2+00	13.9	
------	------	--

9-12-60

SOUNDINGS CONTD. SLY. ELY. SIDE OF
CRESCENT BAY (Sec's N/4. See FB/39440)

STA. N. 129+00; 0+00 = W/16,580; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(49)	10.7	5.8
(49)				11.0	6.1
1.40	0.4	+4.5		11.4	6.5
~	0.8	+4.1	50	11.9	7.0
	1.1	+3.8		11.5	6.6
50	1.5	+3.4		11.7	6.8
	1.9	+3.0		11.8	6.9
	2.1	+2.8		12.0	7.1
	2.6	+2.3	3+00	12.0	7.1
	2.8	+2.1		13.8	8.9
1+00	2.9	+2.0		14.6	9.7
	3.1	+1.8		14.2	9.3
	3.7	+1.2		13.9	9.0
	3.9	+1.0	50	17.1	9.2
	4.7	+0.2		14.1	9.2
50	4.9	0.0		14.9	10.0
	5.7	0.8		14.6	9.7
1:45	6.1	1.2		14.8	9.9
~	6.1	1.2	4+00	14.9	10.0
	6.0	1.1			
2+00	6.0	1.1			
	8.3	3.4			

9-12-60

(57)

STA. N. 128+00; 0+00 = W/16,540; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(51)	11.4	6.3
(50)	0.1	+4.9	50	11.1	6.0
1.30	0.4	+4.6		11.0	5.9
~	0.8	+4.2	1:55	11.1	6.0
	1.0	+4.0	~	11.1	6.0
50	1.0	+4.0		11.7	6.6
	1.4	+3.6	3+00	11.9	6.8
	1.8	+3.2		12.0	6.9
	1.9	+3.1		12.0	6.9
	2.0	+3.0		13.0	7.9
1+00	2.1	+2.9		14.0	8.9
	2.8	+2.2	50	14.0	8.9
	2.9	+2.1		13.9	8.8
	3.1	+1.9		13.9	8.8
	3.8	+1.2		14.0	8.9
50	4.1	+0.9		13.9	8.8
	4.8	+0.2	4+00	13.9	8.8
	5.2	0.2			
	6.0	1.0			
	6.6	1.6			
2+00	6.9	1.9			
	6.9	1.9			
	6.9	1.9			
	10.1	5.1			

9-12-60

STA. N. 127400; 0+00 = W. 16,510; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	0.0	+5.1	(5)	11.2	6.1
(5)	0.4	+4.7	50	11.2	6.1
2:00	1.0	+4.1		11.1	6.0
3	1.5	+3.6		11.6	6.5
	1.9	+3.2		11.2	6.1
50	2.0	+3.1		11.7	6.6
	2.6	+2.5	3+00	11.7	6.6
	2.8	+2.3		11.8	6.7
	2.9	+2.2		11.9	6.8
	2.9	+2.2	2:05	11.9	6.8
1+00	3.1	+2.0	2	12.0	6.9
	3.0	+2.1	50	11.9	6.8
	3.1	+2.0		12.1	7.0
	3.2	+1.9		11.9	6.8
	3.7	+1.4		12.0	6.9
50	4.0	+1.1		12.0	6.9
	4.4	+0.7	4+00	12.0	6.9
	4.9	+0.2			
	5.3	0.2			
	6.2	1.1			
2+00	6.2	1.1			
	6.9	1.8			
	7.1	2.0			
	8.9	3.9			

9-12-60

(58)

STA. N. 126400; 0+00 = W. 16,480; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(5)	10.8	5.7
(5)	0.6	+4.5	50	10.8	5.7
2:10	0.9	+4.2		11.0	5.9
2	1.3	+3.8		11.1	6.0
	1.9	+3.2		11.6	6.5
50	2.1	+3.0		11.5	6.4
	2.6	+2.5	3+00	11.7	6.6
	2.8	+2.3		11.9	6.8
	2.9	+2.2		11.9	6.8
	3.2	+1.9		11.9	6.8
1+00	3.4	+1.7		12.0	6.9
	3.6	+1.5	50	12.0	6.9
	3.9	+1.2		12.0	6.9
	4.0	+1.1	2:15	12.2	7.1
	4.1	+1.0	2	12.0	6.9
50	4.4	+0.7		12.1	7.0
	4.9	+0.2	4+00	12.2	7.1
	5.0	+0.1			
	5.1	0.0			
	5.6	0.5			
2+00	6.0	0.9			
	6.3	1.2			
	7.0	1.9			
	9.0	3.9			

9-12-60

STATION 125+00; 0+00=W/16, 46° SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(52)	11 ²	6.6
2:40	0 ³	+4.9	50	12 ²	7.0
(5.2)	1 ⁰	+4.2		13 ⁰	7.8
	1 ³	+3.9		13 ³	8.1
	1 ⁸	+3.4		13 ²	8.0
50	2 ²	+2.5		13 ³	8.1
	3 ⁴	+1.8	3+00	13 ³	8.1
	3 ⁶	+1.6		13 ³	8.1
	4 ²	+1.0		13 ⁵	8.3
	4 ⁸	+0.4		13 ⁸	8.6
1+00	5 ³	0.1		14 ⁰	8.8
	6 ²	1.0	50	14 ⁰	8.8
	8 ²	3.0		13 ⁵	8.3
	9 ⁰	3.8		13 ⁵	8.3
	9 ³	4.1		13 ⁶	8.4
50	9 ²	4.5		13 ⁷	8.5
	9 ²	4.5	4+00	14 ⁰	8.8
	9 ⁰	3.8			
	9 ⁰	3.8			
2:45	8 ⁷	3.5			
2+00	8 ⁰	2.8			
	8 ⁰	2.8			
	8 ³	3.1			
	10 ²	5.0			

9-12-60

(53)

STATION 124+00; 0+00=W/16, 45° SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	0 ¹	+5.1	(53)	11 ⁰	5.7
2:55	0 ⁶	+4.6	50	11 ²	5.9
(5.2)	1 ⁶	+3.6		11 ⁴	6.1
	2 ⁰	+3.2		11 ⁸	6.5
	2 ⁶	+2.6		11 ⁸	6.5
50	3 ⁵	+1.7		12 ⁰	6.7
	4 ²	+1.0	3+00	12 ⁰	6.7
	4 ²	+0.5	3:00	12 ¹	6.8
	5 ²	0.0		12 ⁰	6.7
	7 ⁰	1.8		12 ¹	6.8
1+00	9 ¹	3.9		12 ⁶	7.3
	9 ²	4.0	50	12 ²	7.4
	9 ²	4.0		13 ¹	7.8
	8 ⁰	2.8		13 ²	7.9
	7 ⁰	1.8		13 ⁸	8.5
50	6 ⁵	1.3		13 ²	8.4
	6 ³	1.1	4+00	13 ⁵	8.2
	6 ⁰	0.8			
	6 ⁰	0.8			
	6 ⁰	0.8			
2+00	6 ⁸	1.6			
	8 ⁰	2.8			
	9 ⁴	4.2			
	11 ²	6.0			

9-12-60

STAN 123+00; 0400 = W 16, 450 SOUND WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00			(53)	12 ²	7.5
3:05	0 ⁵	+4.8	50	13 ⁰	7.7
(53)	1 ³	+4.0		13 ⁵	8.2
	2 ⁰	+3.3		13 ⁸	8.5
	2 ⁸	+2.5		13 ⁸	8.5
50	3 ²	+2.1		13 ⁸	8.5
	4 ⁰	+1.3	3+00	13 ⁵	8.2
	4 ⁷	+0.6		13 ⁴	8.1
	5 ⁸	0.5		13 ⁴	8.1
	8 ²	2.9		13 ²	8.4
1+00	9 ⁰	3.7		13 ³	8.0
	8 ⁸	3.5	50	13 ⁴	8.1
	8 ²	2.9		13 ³	8.0
	7 ²	1.9		13 ²	7.9
	6 ⁸	1.5		13 ⁰	7.7
50	6 ⁵	1.2	3:10	13 ²	7.9
	6 ⁸	1.5	4+00	13 ⁵	8.2
	6 ⁸	1.5			
	8 ³	3.0			
	13 ²	7.9			
2+00	14 ⁴	9.1			
	14 ⁷	9.4			
	14 ⁴	9.1			
	13 ²	7.9			

9-12-60

(60)

STAN 122+00; 0400 = W 16, 450 SOUND WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00			(53)	16 ⁰	10.7
3:15	0 ⁴	+4.9	50	15 ⁸	10.5
(53)	1 ³	+4.0		15 ⁷	10.4
	2 ⁰	+3.3		16 ⁰	10.7
	2 ³	+3.0		15 ⁸	10.5
50	3 ¹	+2.2		15 ⁸	10.5
	3 ⁷	+1.6	3+00	15 ⁷	10.6
	4 ¹	+1.2		15 ⁷	10.4
	4 ⁸	+0.5		15 ⁸	10.5
	5 ⁴	0.1		15 ⁹	10.6
1+00	6 ¹	0.8	3:20	15 ⁴	10.1
	7 ⁰	1.7	50	15 ⁷	10.4
	7 ⁴	2.1		15 ⁷	10.4
	7 ²	2.4		15 ⁸	10.5
	7 ²	1.9		15 ⁹	10.6
50	7 ³	2.0		15 ⁹	10.6
	9 ⁴	4.1	4+00	15 ⁰	9.7
	14 ²	8.9			
	15 ³	10.0			
	15 ⁴	10.1			
2+00	15 ⁷	10.4			
	15 ⁸	10.5			
	16 ¹	10.8			
	16 ⁰	10.7			

STAN 12100; 0+00 = W16 SOUND WEST

DIST SOUND ELEV DIST SOUND ELEV

0+00

50

50

3+00

1+00

50

50

4+00

2+00
2400

STAN 120+00; 0+00 = W16 SOUND WEST

DIST SOUND ELEV DIST SOUND ELEV

ALLEN
HAMILTON

SMOODY
GLENN

9-16-60

62

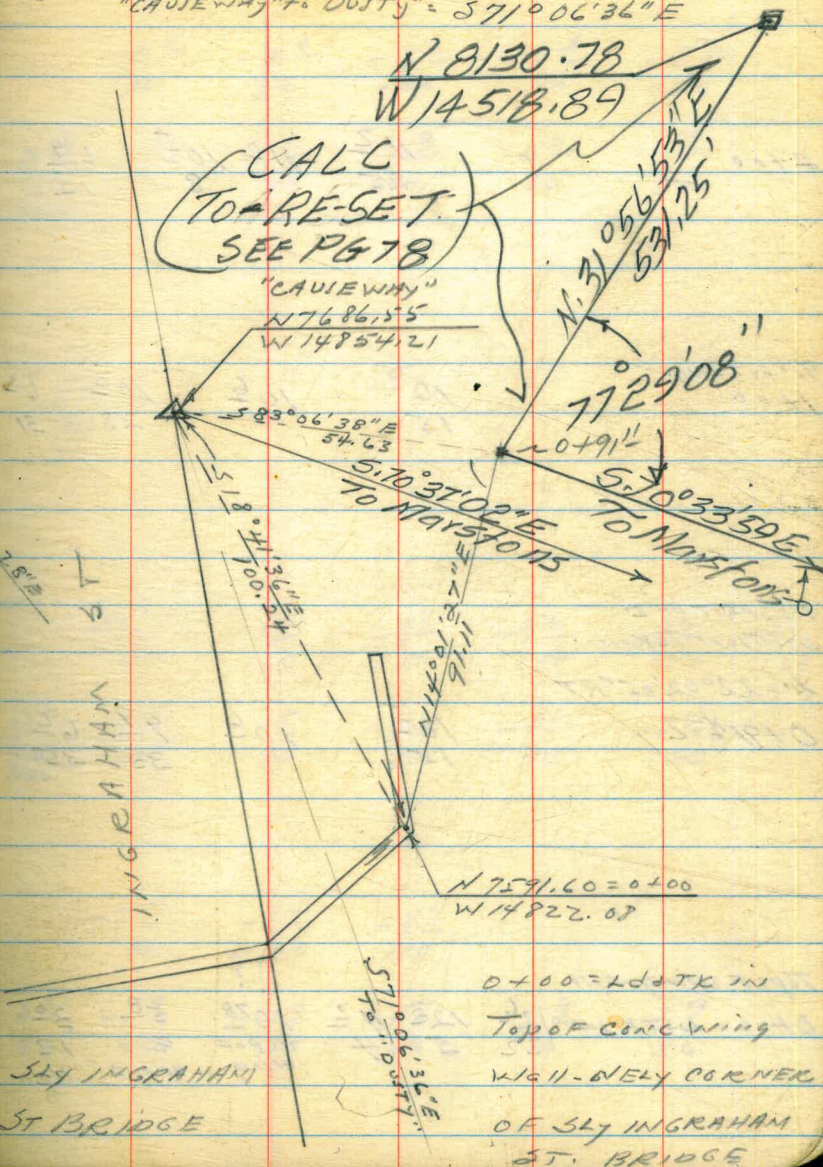
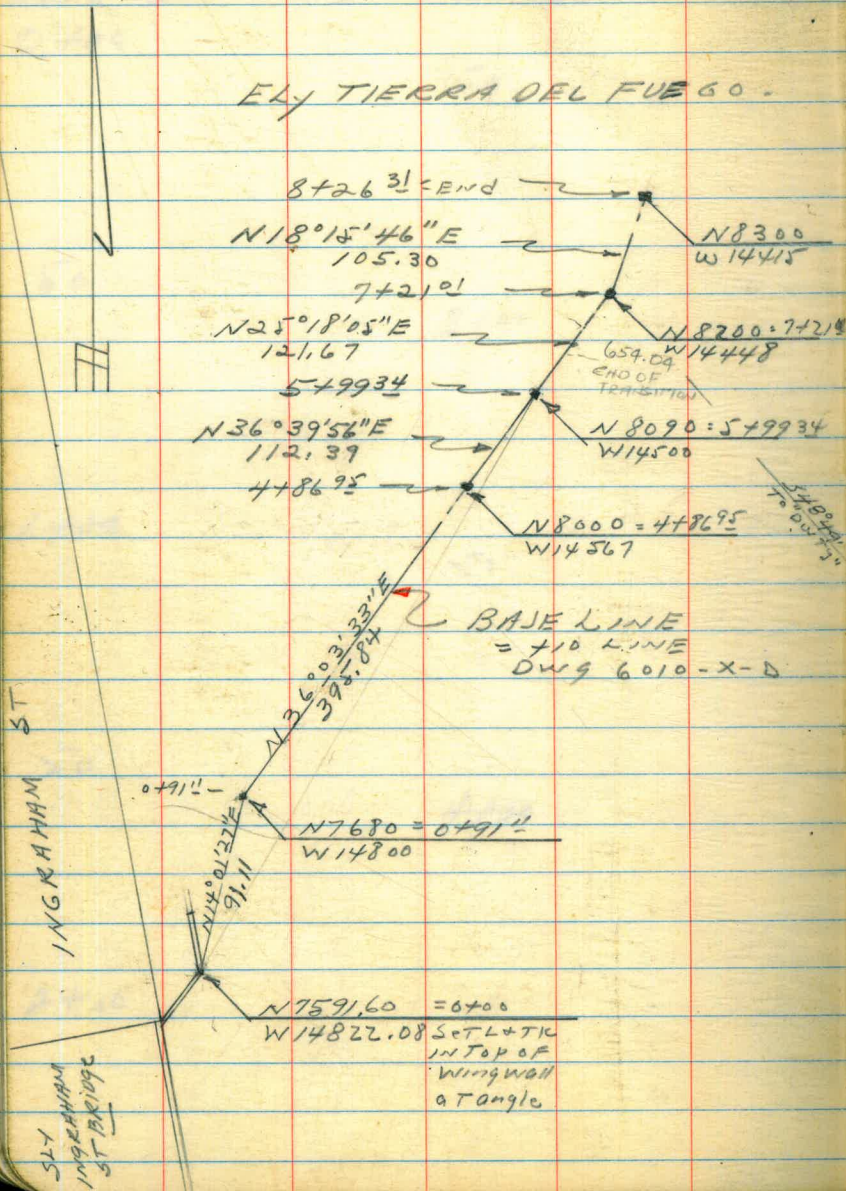
X-SECTION ONLY END ELY TIERRA DEL FUEGO

FOR RIP RAP STUDY

BEARING "CAVEWAY" to MARSTON'S Tower = $S70^{\circ}37'03''E$

"CAVEWAY" to DUSTY = $S71^{\circ}06'36''E$

ELY TIERRA DEL FUEGO.



X-SECTION FOR RIP RAP STUDY

LT-NLY

BASE
LINE

SLY END OF ELY TIERRA DEL FUEGO (63)
 9-16-60
 BM = MIN "CAUSEWAY" = 10.835
 RT = 547

2+00

11² 11⁰ 10⁵ 6⁹
 25 8 12

-6³ -7¹
 130 140
 -0⁸ -2⁰ -3² -4⁴ -5²
 80 90 100 110 120
 2⁸ 2³ 0² -0³ 0⁶ -0⁷
 27 30 40 50 60 70
 H₂₀

90° to TANG.
 1+00

10⁶ 10⁶ 10² 6⁰
 15 28 31

3⁰
 48
 H₂₀

ON SPLIT OF L.
 SECTION TAKEN

L = 22° 02' 05" RT

0+91 1/2 = L

10⁵ 10⁶ 9⁹ 6²
 15 33 35

-7⁰ -7⁴ -8¹ -8² -8⁴ -8⁵
 110 120 130 140 150 160
 3⁰ 0⁰ -1⁵ -2¹ -4¹ -5⁴
 50 60 70 80 90 100
 H₂₀

TOP OF WING WALL

0+00 = NATR IN

12⁶ 12³ 11² 10⁷⁸ 5⁸ 3⁰
 22 5 4
 TOP OF WING 4 13
 GROUND 420

-7² -8⁴ -8⁹
 90 100 110
 0⁸ -1² -4⁰ -5¹ -5⁸ -6⁹
 30 40 50 60 70 80

X-SECTION OF 347 END TIERA DEL
BASE
LINE

FUE 90 (EL) CONT

(65)

BM. et al "CAUSEWAY" = 10.835

LEVELS TURNED BACK TO STARTING

END

8+26 3/4

10 1/2 10 1/4 8 2/4 7 6 7 1/2 5 3/4
45 23 ON HUB 5 6 40 83
9 or same H₂O

- 8 3/4 - 8 5/8 - 8 7/8
210 220 230

- 7 1/2 - 7 3/4 - 7 5/8 - 7 7/8 - 8 1/8
160 170 180 190 200

17 1/2 0 1/2 - 2 3/4 - 4 3/4 - 5 1/4
100 110 120 130 140 150

- 7 1/4 - 7 1/2 - 7 3/4
150 160 170

8+00

10 3/8 10 1/2 8 3/8 7 9 6 1/2 6 1/8 5 1/2 3 1/2 0 9
30 7 6 3 4 35 76 90 100
H₂O

- 2 1/2 - 4 1/2 - 5 1/2 - 6 1/2
110 120 130 140

ON SPIT OF L
Section taken

L = 7° 02' 19" LT

7+21 0 1/2 = L 10 2/8 10 8 7 6 6 8 5 9 5 6 5 0 3 0 1 9 1 7 0 8 0 8 0 4
60 45 44 10 9 25 40 70 80 90 100 110 120 130
H₂O

- 5 9/8 - 7 1/2
140 150

0 4 - 0 1 - 0 9 - 3 4
100 110 120 130

- 3 5/8 - 4 1/2 - 5 1/2 - 6 3/8
120 130 140 150

7+00

10 6 10 5 7 7 6 4 5 1 4 2 3 0 2 1
50 42 40 9 30 47 60
H₂O

1 1 - 0 1 - 0 4 - 0 9 - 1 4
70 80 90 100 110

X-SECTION FOR RIP-RAP STUDY

SOUTH SHORE-SLYD OF PEREZ COVE
9-20-60 - ALLEN + COMPANY

66

T.S. = Top BEACH

RAP PT SET
Sec FB MB 135
71
K=300' D=90°00'

1+60.66 = BC - T.S. = +15°

Def = 2° 52' 44" - ch = 58.25

2+18.94 T.S. = 14°

DEF = 5° 45' 28" - ch = 58.25

2+77.22 T.S. = 14°

Def = 8° 38' 12" - ch = 58.25

3+35.50 T.S. = 13°

Def = 11° 30' 56" "

3+93.78 T.S. = 13°

Def = 14° 23' 40" "

4+52.06 T.S. = 12°

Def = 17° 16' 25" "

5+10.32 = P.C.C. T.S. = 12°

Def = 4° 00' 05" - ch = 48.85'

5+59.21

8° 00' 10" "

6+08.12

12° 00' 15" "

6+56.99

16° 00' 20" "

7+05.88

20° 00' 25" "

7+54.77

20° 00' 31" "

8+03.64 = P.C.C.

N 6342.63
W 14234.61
13+67.22

N 5815.50
W 14134.61
8+03.64

N 5801.88
W 13545.55
1+60.66

N 5699.62
W 13874.44
5+10.32

H 69° 30' 00" W
R = 517.24
Δ = 62° 28' 57"
L = 564.06

R = 350'
Δ = 48° 01' 03"

R = 579.91
Δ = 34° 32' 50"

N 5892.99 = 0+00
W 13713.25

R = 1375.93
Δ = 27° 00'

REF = DWG 9843-1-D

PEREZ
COVE

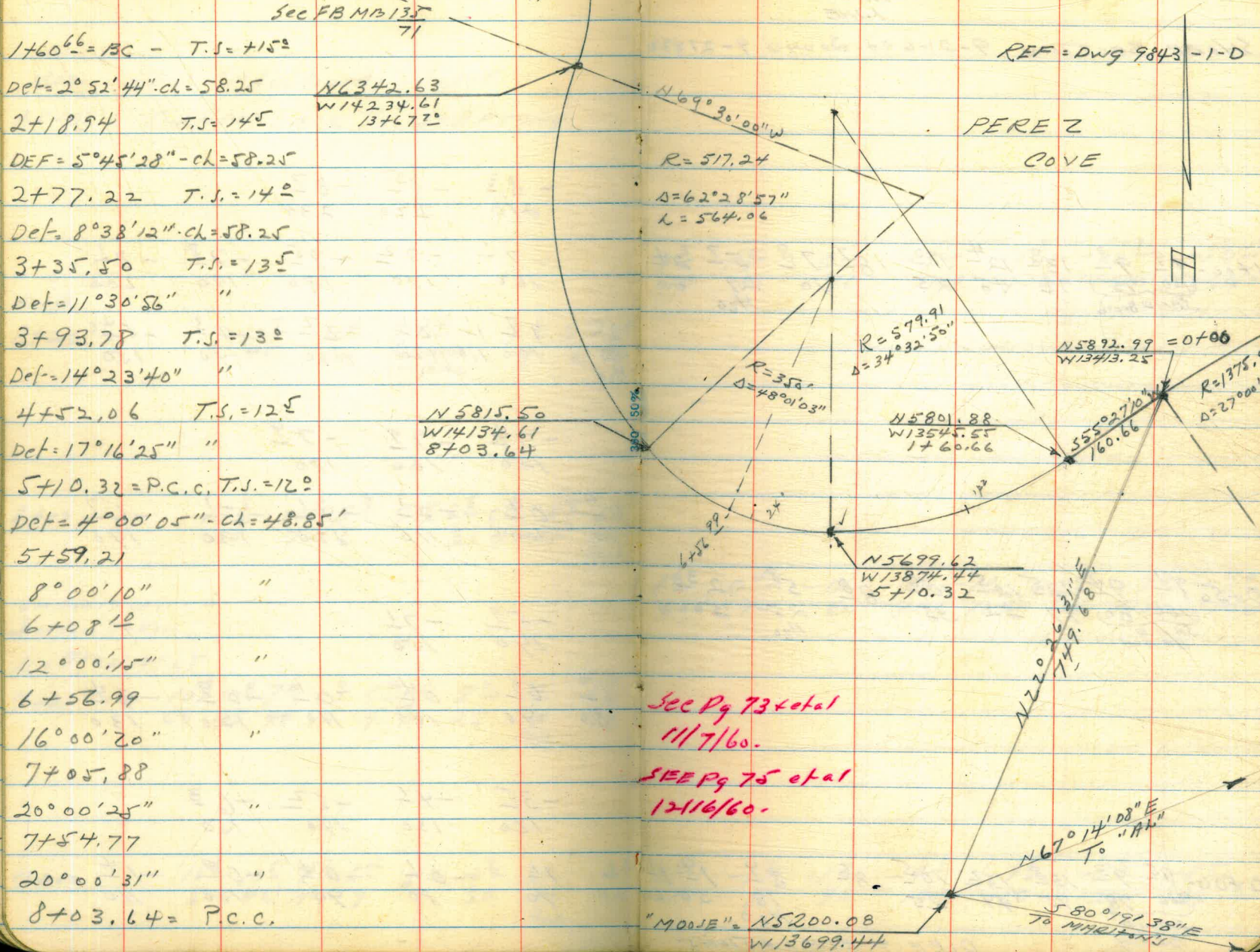
See Pg 73 et al
11/7/60.

SEE Pg 75 et al
12/16/60.

"MOOSE" = N 5200.08
W 13699.44

N 67° 14' 08" E
To "H"

S 80° 19' 38" E
To "H"



X-SEC FOR RIP RAP STUDY - SOUTH
 X-SECTION 9-21-60
 LT=SL₃ -

BASE
 LINE

SHORE PERFECT CONC AREA.
 SOUND 9-22-60 - ALLEN & CO
 RT=NL₄

(67)

SHORE SECTION 9-21-60 of Sound 9-21+22-60

1+00	99	98	133	124	110	87	78	57	24	13	10	0 ¹	-3 ¹	-8 ⁷	-10 ¹	-10 ¹
	(100)	(75)	72	45	25		10	29	60	70	80	90	100	110	120	130
	SAND BEACH							H ₂ O								

0+50	97	94	135	125	106	88	58	23	16	0 ⁴	-0 ¹	-0 ⁵	-10	-55	-70	-90
	(100)	(80)	77	52	35		25	50	60	70	80	90	100	110	120	130
	SAND BEACH						H ₂ O									

0+00	95	93	138	132	105	86	59	19	11	0 ⁰	-1 ²	-1 ²	-4 ¹	-7 ⁶	-8 ³	-8 ⁴
	(100)	(78)	75	49	25		18	50	60	70	80	90	100	110	120	130
	SAND BEACH						H ₂ O									

DIRECT ELEVATIONS.

X-SEC FOR RIP RAP STUDY

PEREZ COVE AREA CONT

(68)

BASE
LINE

2+7722	10 ⁰ 99	14 ⁰	127	107	88	58	16	1 ¹	1 ⁰	07	-31	-84	-92	-90
	185	58	55	20	21	49	90	100	110	120	130	140	150	160
	SAND BCH					420								

2+1894	9 ⁰	9 ⁶	127	12 ³	10 ⁰	97	58	16	07	-12	-65	-90	-94	-93	-96
	75	55	51	27	10	37	90	100	110	120	130	140	150	160	
	SAND BEACH					420									

RADIAL

Sections Taken

1460.66-Bc	94	99	128	119	95	58	20	14	06	-20	-72	-91	-92	-92	-83	-92
	84	69	65	31	31	70	80	90	100	110	120	130	140	150	160	
	SAND BEACH					420										

TBM = 95±

ON 40B AT 1460.66

X-SECT FOR RIP RAP STUDY

LT=547

BASE
LINE

PEKEL COVE AREA

RT=NL4

(69)

-10² -10²
140 150 160

5410³²-P.C.C. 12⁴ 13² 14⁵ 13⁵ 12³ 9² 7⁶ 5² 5¹ 2⁶ 1⁶ 0⁸ -2⁹ -8⁴ -9⁶
67 47 45 17 35 57 66 70 80 90 100 110 120 130
H₂O

-10¹
150

4452⁰⁹ 12⁰ 13⁵ 14⁰ 13³ 12⁰ 9⁰ 5⁸ 5⁶ 3⁶ 2³ 1⁶ 1⁴ 0⁵ -5⁶ -9² -9²
85 61 58 9 32 57 60 70 80 90 100 110 120 130 140
H₂O

3493⁷⁸ 13⁵ 13⁵ 14⁶ 14³ 11² 9² 5⁸ 1⁶ 0⁷ -3³ -7⁴ -9⁴ -10¹ -10⁸ -10⁹
(90 70) 68 28 30 54 100 110 120 130 140 150 160 170
SAND BEACH H₂O

-8¹
180

3435²⁰ 13¹ 12⁸ 14⁴ 13⁵ 11² 8⁹ 5⁷ 1⁸ 1¹ 0⁴ -2³ -8¹ -8¹ -8³ -8¹
(88 64) 53 27 28 55 100 110 120 130 140 150 160 170
SAND BEACH H₂O

X-SECTION FOR RIP RAP STUDY

X-SEC-9-21-60

BASE
LINE

PEREZ COVE AREA.

RT= NELY

70

7405⁸⁸

13 ¹	12 ⁹	10 ⁸⁰	8 ²	5 ³	4 ⁵	2 ⁴	1 ²	0 ¹	-0 ⁵	-1 ⁵	-6 ⁶	-8 ⁵	-8 ⁶
55	15	5/2 STAKE	23	46 420	50	60	70	80	90	100	110	120	130

6458⁹⁹

13 ²	13 ¹	11 ⁰	8 ³	5 ⁴	4 ⁹	3 ⁰	1 ⁴	0 ²	-0 ⁵	-2 ⁷	-7 ³	-10 ⁴	-10 ¹
48	24		20	47 420	50	60	70	80	90	100	110	120	130

6408¹⁰

12 ²	13 ⁴	12 ⁸	11 ³	8 ⁶	5 ⁵	4 ²	2 ⁴	1 ⁴	0 ⁷	-0 ⁶	-5 ⁸	-9 ³	-10 ²
54	30	14		24	57 420	60	70	80	90	100	110	120	130

5459²¹

13 ²	14 ⁷	13 ⁵	12 ⁸	10 ⁰	5 ⁶	5 ⁶	3 ⁶	2 ⁰	1 ²	-0 ⁷	-5 ⁸	-9 ⁴	-9 ⁷
78	48	17		23	57 420	60	70	80	90	100	110	120	130

X-SECT FOR RIP RAP STUDY

BASE
LINE

PAREZ COVE AREA

(71)

10+00

11⁸ 12² 11⁷ 9⁴ 5³
40 7 25 54
1120

Ch = 99.85

Def = 10° 52.54

- 8³ -10⁶ -10⁸
120 130 140
4¹ 2⁷ 1⁵ 0⁴ -0³ -2⁹
60 70 80 90 100 110

9+00

12⁸ 12² 11⁹ 9² 5⁴
40 10 25 48
1120

- 3⁶ -4¹ -7⁹ -9⁸
110 120 130 140
4⁷ 2⁷ 1² -0³ -1² -2⁸
50 60 70 80 90 100

DEF 5° 20.22 Ch = 96.23

8+03⁶⁴ = P.C.C.

12⁴ 12⁵ 12⁸ 12⁷ 9⁸ 5⁴
50 33 4 21 44
1120

- 5³ -6⁶ -9⁷
120 130 140
4² 2² 0⁴ -0⁷ -1³ -3⁵ -4⁶
50 60 70 80 90 100 110

7+54⁷⁷

13⁰ 12⁴ 11⁸ 8⁷ 5² 4³
42 10 24 46 50
1120

- 9³
140
2⁴ 1¹ 0¹ -0² -2⁵ -3³ -6⁵ -8⁹
60 70 80 90 100 110 120 130

X-SECT FOR RIP RAP STUDY

BASE
LINE

PEKEL COVE AREA.

72

LEVELS TURNED BACK TO STARTING BM

12+00	10 ⁶ 50	10 ⁵ 6	11 ⁷	9 ² 20	5 ³ 50 420	3 ⁵ 60	2 ² 70	0 ³ 80	-0 ⁸ 90	-4 ⁰ 100	-8 ⁴ 110	-9 ¹ 120	-9 ² 130	-9 ⁷ 140
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Def = 21'57.08'

11+00	12 ⁶ 40	11 ⁸ 10	12 ²	9 ³ 30	5 ³ 57 420	4 ⁴ 60	2 ⁴ 70	1 ⁴ 80	0 ⁵ 90	-1 ⁶ 100	-5 ⁹ 110	-8 ⁸ 120	-9 ⁶ 130	-10 ¹ 140
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Def = 16'24.76'

REX-SECT OF 4 SECTIONS PEREZ CIVIC
AREA - 111 7/16" - See SKETCH P 966
LT = 547

BASE
LINE

RT ONLY -

(73)

OF CURVE - R = 579.9'

3+35⁵⁰ = MID POINT

10 ³	11 ⁴	17 ²	16 ⁸	12 ⁷	12 ²	8 ⁹	5 ⁷	1 ⁸	1 ¹	0 ⁴	-2 ³
100	59	38	24	17		28	55	100	110	120	130

5+10³² = P.C.C.

No Change From OK 17.

6+56⁹⁹

MID POINT (24° DELTA) No Change IN THIS SECTION

REX-SECT 4 SECTIONS IN PEREZ COVE

Area

LT: SLY

BASE
LINE

RT: NLY

(74)

0700

90
100

101 167
42 23

380 50%

139 112 75 59 19 11 0° -12 -12 -41
4 9 18 50 60 70 80 90 100

1460⁶⁶ = 13C

87 104 182
100 54 38

152 95 78
10 B.L. 15

58 20 14 06 -20
312 70 80 90 100

RIP RAP LINE PEREZ COVE AREA
 LEASE - DW9 8318-B- 12/14/60 - ALLEN
 LINE CONT ELY IN FB 147
 SEC F13 135-P977 + DW9 8318-B

AND BASE LINE FOR SOUNDING

N 6568.07
 W 13868.50 - RAD PT

R = 800', Δ = 29° 39' 58"
 L = 414.22

See PAGE 76

BEARING LONG'S CHORD = N10° 44' 28" W

BC + BACK TO
 ORIGINAL PLAT
 TO NACTA

N 6342.63
 W 14234.61

N 6300.00
 W 14248.47

N 6250
 W 14259.73

N 6200
 W 14265.92

N 6150
 W 14267.23

N 6100.00
 W 14263.69

N 6050.00
 W 14254.68

N 6000.00
 W 14241.50

N 5950.00
 W 14222.15

N 5900
 W 14196.39

N 5850.00
 W 14163.05

N 5800.00
 W 14134.61

N 5795.00
 W 14000.00

N 5775.56
 W 14004.70

N 5768.68
 W 13899.75

N 5768.28
 W 13850

N 5760.00
 W 13700

N 5750.00
 W 13650

N 5740.00
 W 13600

N 5730.00
 W 13550

N 5720.00
 W 13500

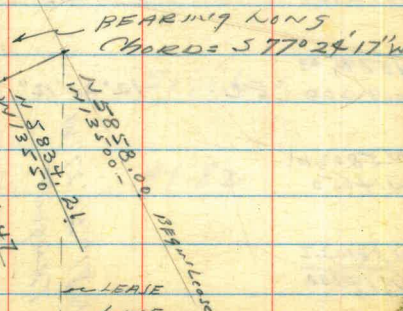
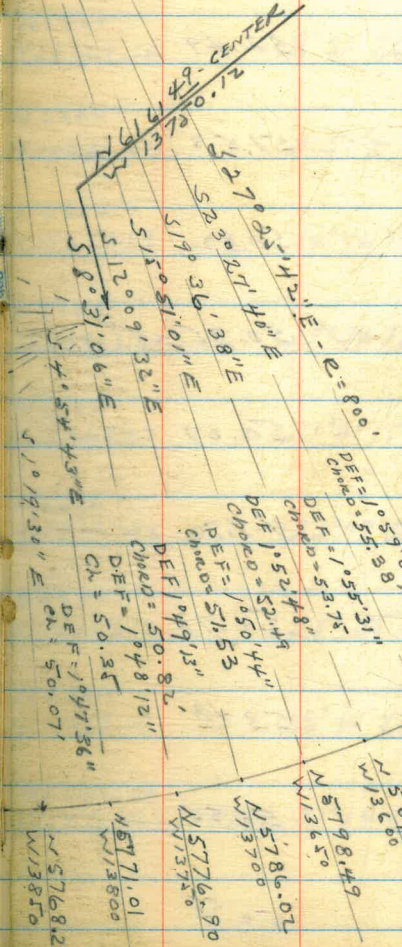
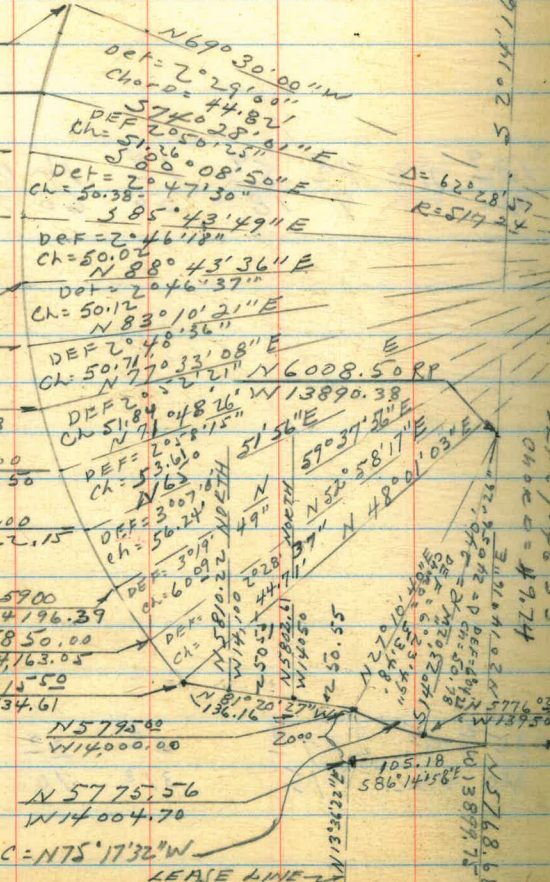
N 5710.01
 W 13450

N 5700.00
 W 13400

N 5690.00
 W 13350

N 5680.00
 W 13300

N 5670.00
 W 13250



BEARING L.C. = N75° 17' 32" W

LEASE LINE

LEASE LINE

STATION	Def	Chord
N5858.00 W13500.00	B.C.	-
N5834.21 W13550	1°59'01"	55.38
N5814.47 W13600	3°54'32"	53.75
N5798.49 W13650	5°47'20"	52.49
N5786.02 W13700	7°38'04"	51.53
N5776.90 W13750	9°27'17"	50.82
N5771.01 W13800	11°15'29"	50.35
N5768.28 W13850	13°03'05"	50.07
N5768.28 W13899.75	PRC 14°49'59"	49.74
N5776.02 W13950	6°04'23'	50.78
N5795.00 W14000	FC 12°28'12"	53.48
N5802.61 W14050	N81°20'27"W TANGENT	50.55
N5810.22 W14100		50.45

STA	Def	Chord
N5815.50 W14134.61	PRC N 81°20'27" TANG.	35.06
N5850 W14163.05	2°28'37"	44.71
N5900 W14196.39	5°48'26"	60.09
N5950 W14222.15	8°55'26"	56.24
N6000 W14241.50	11°53'41"	53.61
N6050 W14254.68	14°46'02"	51.84
N6100 W14263.69	17°34'38"	50.71
N6150 W14267.23	20°21'15"	50.12
N6200 W14265.92	23°07'33"	50.02
N6250 W14259.73	25°55'03"	50.38
N6300 W14248.47	28°45'28"	51.26
N6342.63 W14234.61	PRC 31°14'28"	44.82

129°30'20"
50-20-40

126°10'30"
53-49-30

123°03'30"
56-56-30

120°05'15"
59-54-45

117°12'54"
62-47-06

114°24'17"
65-35-43

111°37'39"
68-22-21

108°51'22"
71°08'38"

RIP-RAP GRADE & ALIGNMENT
ELY, TIERRA DEL FUEGO W.O. 64730

CURVE DATA

$\Delta = 7^{\circ}58'18''$ $R = 112'$ $L = 154.71$
 $d = 1.5457494$

Sta Def. Δ Chord Grade

=End Rip-Rap	$3^{\circ}59'09''$		
8+15.14=P.C.		15.14	9.00
8+00	$3^{\circ}35'45''$	50.00	9.00
7+50	$2^{\circ}18'27''$	50.00	9.00
7+00	$1^{\circ}01'10''$	35.57	9.00
6+64.43	$0^{\circ}06'11''$	4.00	9.00
6+60.43=BC	$0^{\circ}00'$		11.00
B.M.		10.835 U.S.C+G.S.	CAUSEWAY

1-11-61

(77)

NOTE: Ref DWGS.

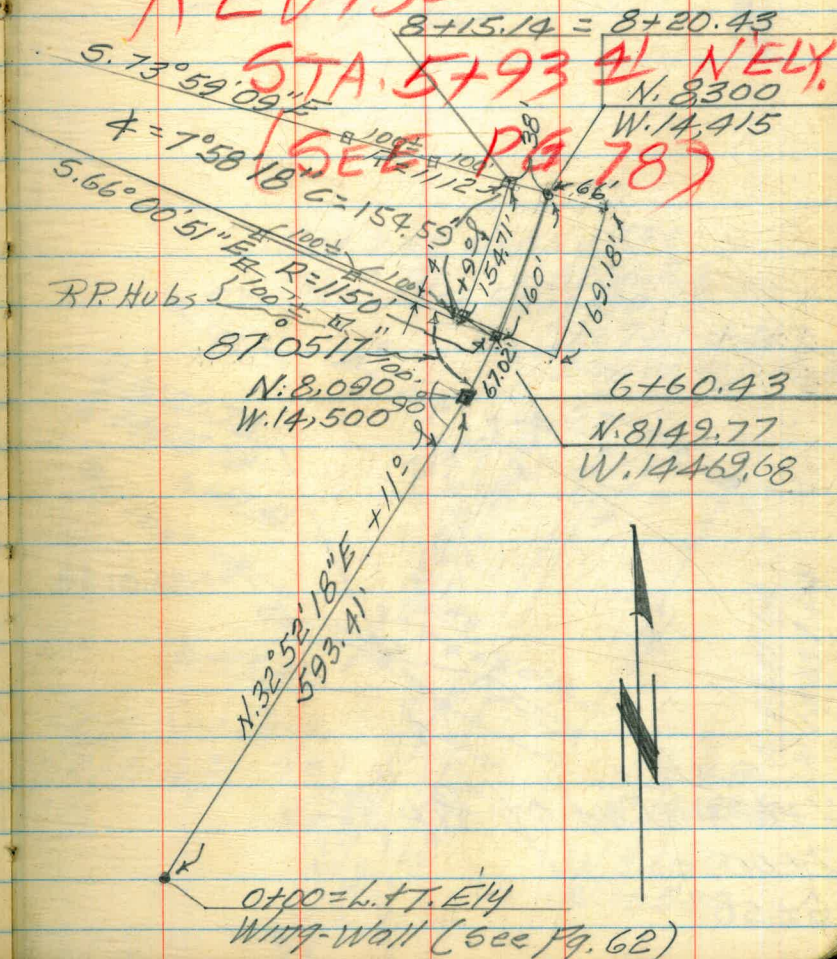
9958-2-D

9958-1-D

X-Sec. Alignment Pg. 62

Stampen
Elmore
Burris

REVISED FROM

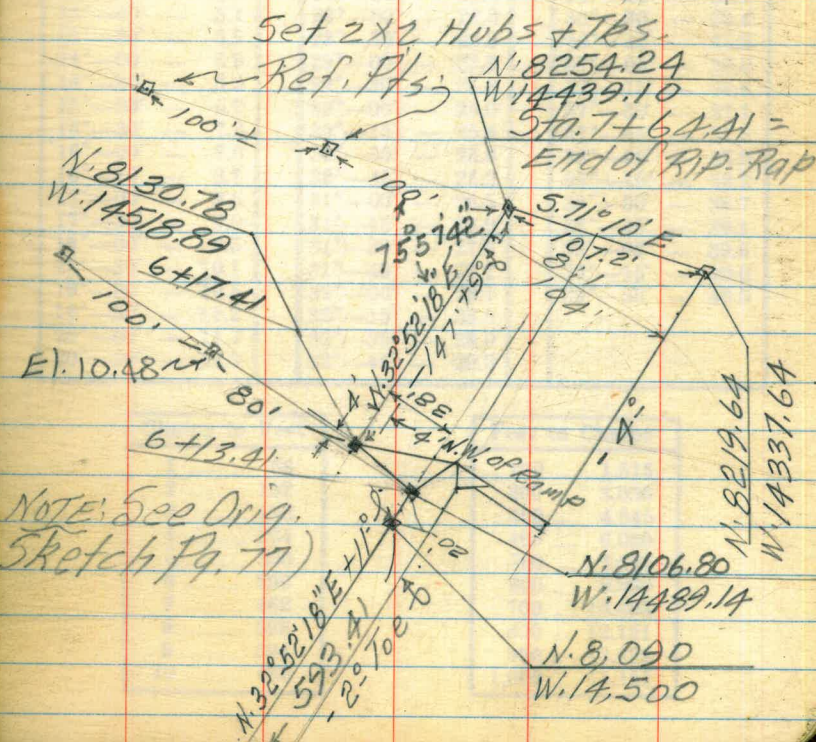


REVISED ALIGNMENT RIP-RAP
ELY. TIERRA DEL FUEGO

1-16-61

(78)
Stampev
Elmore
Hecht
Burris

NOTE: See Ties
Pg. 62



NOTE: See Orig.
Sketch Pg. 71

7+64.41 = End of Rip-Rap

7+00

6+50

774.75
588.00

186.75

19
0
954
6

3595960
~~454228~~
3141732

772417
165150

768377
165150
603227

623418
165150

619378
165150
454228