57-79-60
40-36-51

359-59 60
17 43 09

342-16-51

NB No. 157

13-30 = P.K. W. Wall

ERNIE
PA 9-1442

9:00 ~~1.5~~ 1.3

1.2
8

2.0
1.5

3.5

10-16 67
6-15-33

4-81-34

222

2.1

2.0

2.0
1.5

3.5

(Contd from Pg 2) 12-19-61 (0-1)

STA. 1+00: 0+00 = 10' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
(3.5)	2.8				
	11.1				
	12.4				
50	13.1				
	13.8				
10:25	14.8				
	15.5				
	16.4				
1+00	17.0				
	17.0				
	16.8				
	16.8				
	17.0				
50	17.0				
	17.2		Sta.		Elev
	17.6		0		10.6
	17.4		out 9'		5.3
	17.1				
2+00	17.9				

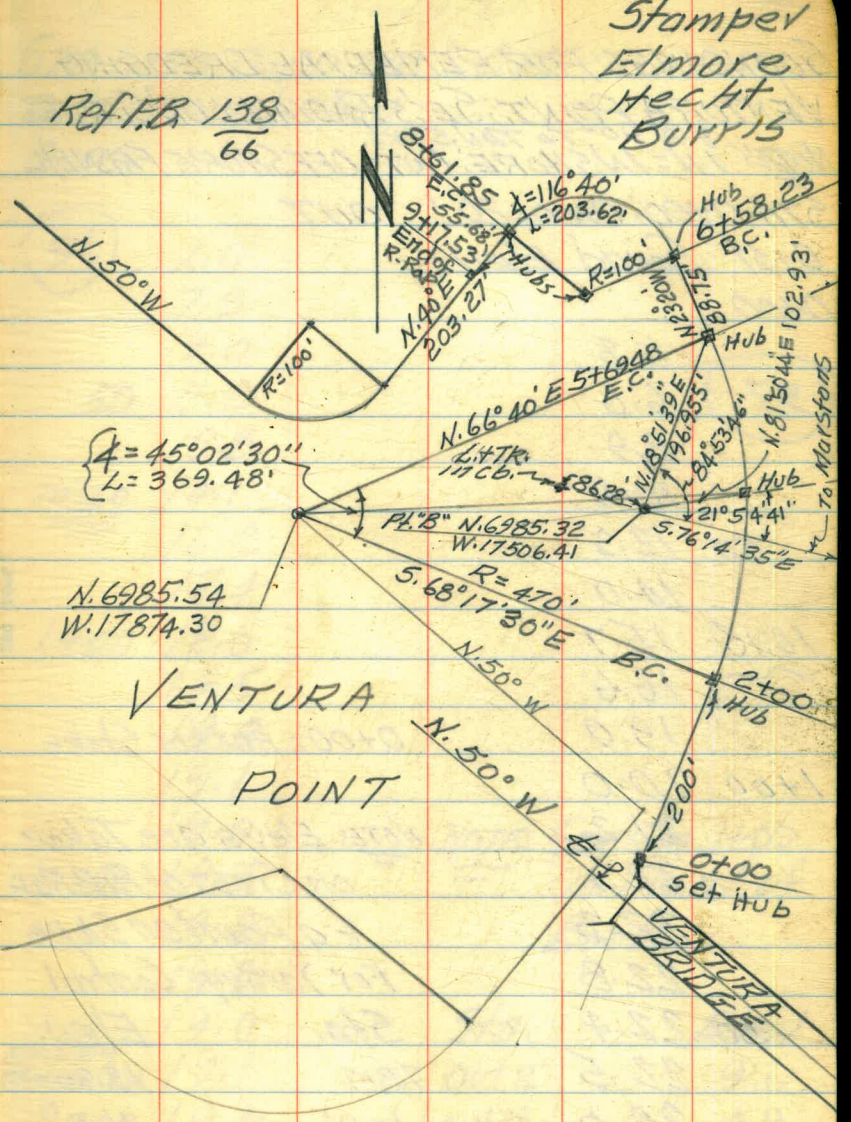
ALIGNMENT FOR PROPOSED REMEDIAL DREDGING VENTURA POINT W.O. 64908

CURVE DATA

Sta.	Defl.	Chord
9+17.53 = End of RIP-RAP		
E.C. 8+61.85	58° 20'	60.87'
8+00	40° 36' 51"	49.98'
7+50	26° 17' 25"	49.48'
7+00	11° 57' 58"	41.47'
6+58.23 = B.C. Lt. Δ = 116° 40' L = 203.62' R = 100'		
6+00		
E.C. 5+69.48	22° 31' 15"	69.42'
5+00	18° 17' 09"	49.98'
4+50	15° 14' 18"	"
4+00	12° 11' 26"	"
3+50	9° 08' 35"	"
3+00	6° 05' 43"	"
2+50	3° 02' 52"	49.98'
2+00 = B.C. Lt. Δ = 45° 02' 30" R = 470' L = 369.48'		
d = 3.6571774		

Ref. F.B. 138/66

Stamper
Elmore
Hecht
Burris



12+19-61

SOUNDINGS FOR REMEDIAL DREDGING
VENTURA POINT; SEC'S RADIALLY ON CURVES & @ 90° TO TAN. STA'S.
NOTE: IN = INSHORE, OUT = OFFSHORE FROM B/L.

STA. 0+00; 0+00 = 20' OUT

Dist	Sound	Elev
0+00		
	0.8	
(37)	6.6	
	8.9	
	10.6	
50	12.3	
	14.0	
10;15	15.7	
≈	16.6	
	19.0	
1+00	20.0	
	21.2	
	22.1	
	22.3	
	22.8	
50	22.4	
	22.5	
	22.0	
	22.1	
	22.1	
2+00	21.8	

0+00 = Anchor Stake

NOTE: Elev's are Taken on Crest of Rip-Rap & a Point on Slope For Yardage Control

Sta.	Elev.
T.B.M.	13.30 →
In 9'	11.0
Out 5	4.2

STA. 0+50; 0+00 = 10' OUT

Dist	Sound	Elev
0+00		
(36)	1.0	
	7.3	
	9.0	
50	11.2	
	12.8	
10;20	14.1	
≈	16.2	
	17.4	
1+00	18.6	
	19.5	
	19.5	
	19.1	
	19.0	
50	18.7	
	18.6	
	19.0	
	19.0	
P.K. Nely Bridge W. Wall	19.1	
2+00	19.4	

NOTE: See Sta. 1+00 in Front of Book

Sta.	Elev
Out 2'	9.6
Out 13	4.9

12-19-61

STA. 1+50; 0+00 = 20' OUT

Dist	Sound	Elev
0+00		
(34)	1.5	
	8.1	
	10.4	
	12.2	
50	13.4	
	14.7	
10;30	15.2	
	15.8	
	15.6	
1+00	15.6	
	15.2	
	15.5	
	15.5	
	15.6	
50	15.3	
	16.0	
	15.7	
	15.5	
	15.4	
2+00	15.7	

Sta.	Elev
In 9'	11.0
out 5'	4.0

R = 470'

STA. 2+00 = B.C.; 0+00 = 10' OUT

Dist	Sound	Elev
0+00		
(33)	1.5	
	6.2	
	8.8	
50	10.0	
	11.0	
10;35	12.2	
	13.1	
	13.7	
1+00	13.9	
	14.1	
	14.4	
	14.5	
	14.4	
50	14.6	
	14.1	
	14.3	
	14.2	
	14.6	
2+00	15.0	

Sta.	Elev
0	11.2
out 10'	5.0

TP. 11.94

12-19-61

STA. 2+50 P.O.C.; 0+00 = 20' OUT

Dist	Sound	Elev	
0+00			
(32)	3.6	0.4	
	5.8	2.6	
	7.2	4.0	
	8.1	4.9	
50	9.4	6.2	
	10.1	6.9	
10;40	10.9	7.7	
	11.6	8.4	
	12.2	9.0	
1+00	12.4	9.2	
	12.8	9.6	
	13.2	10.0	
	12.8	9.6	
	12.5	9.3	
50	13.1	9.9	
	13.9	10.7	
	14.7	11.5	
	14.4	11.2	Sta
	14.5	11.3	In 12'
2+00	14.9	11.7	Out 4'

Elev
10.7
3.8

STA. 3+00; P.O.C.; 0+00 = 20' OUT

Dist	Sound	Elev		
0+00				
(30)	0.5	+2.5		
	4.2	-1.2		
	6.4	3.4		
	7.3	4.3		
50	8.1	5.1		
	8.3	5.3		
10;45	8.0	5.0		
	9.5	6.5		
	10.2	7.2		
1+00	10.6	7.6		
	10.3	7.3		
	12.0	9.0		
	12.0	9.0		
	12.8	9.8		
50	12.8	9.8		
	13.3	10.3		
	13.8	10.8		
	14.3	11.3	Sta	
	14.4	11.4	In 9'	
2+00	14.0	11.0	Out 6'	

Elev
11.8
3.2

12-19-61

STA. 3+50 P.O.C.; 0+00 = 20' OUT

Dist	Sound	Elev		
0+00				
(29)	3.2	0.3		
	5.1	2.2		
	5.3	2.4		
	5.8	2.9		
50	6.2	3.3		
	6.2	3.3		
10;50	7.7	4.8		
	7.8	4.9		
	8.7	5.8		
1+00	10.2	7.3		
	11.1	8.2		
	12.4	9.5		
	13.3	10.4		
	13.6	10.7		
50	12.8	9.9		
	13.2	10.3		
	13.4	10.5		
	13.7	10.8	Sta.	Elev
	14.0	11.1	In 8'	10.9
2+00	13.8	10.9	Out 3'	3.9

STA. 4+00 P.O.C.; 0+00 = 10' OUT

Dist	Sound	Elev			Dist	Sound	Elev
0+00							14.5
(28)					50		14.4
	2.7	+0.1					
	4.3						
	4.0						
50	5.1						
	5.6						
10;55	6.2						
	6.5						
	6.8						
1+00	7.3						
	8.0						
	8.4						
	9.7						
	10.2						
50	11.0						
	11.5						
	12.3						
	13.1		Sta.				Elev
	13.7		In 2'				10.3
2+00	14.1		Out 11'				3.5
	14.2						
	14.3						
	15.0						

12-19-61

STA. 4+50 P.O.C.; 0+00 = 20.' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				15.3	12.7
(2.6)	3.0	0.4	50	15.3	12.7
	3.9	1.3			
	4.3	1.7			
	4.3	1.7			
50	4.9	2.3			
	5.5	2.9			
11+00	5.6	3.0			
	6.9	4.3			
	7.7	5.1			
1+00	8.3	5.7			
	9.1	6.5			
	9.6	7.0			
	11.0	8.4			
	12.1	9.5			
50	12.9	10.3			
	13.4	10.8			
	14.0	11.4			
	14.8	12.2	Sta.		Elev
	14.9	12.3	1+10'		10.9
2+00	15.3	12.7	Out 3'		3.5
	15.2	12.6			
	15.4	12.8			
	15.6	13.0			

STA. 5+00 P.O.C.; 0+00 = 20.' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(24)	15.5	
(24)			50	15.1	
	2.9	0.5		15.0	
	3.1	0.7		14.5	
	3.8	1.4		14.4	
50	4.1	1.7		14.0	
	4.4	2.0	3+00	13.9	
11+10	5.9	3.5			
	7.0	4.6			
	7.8	5.4			
1+00	8.8	6.4			
	9.3	6.4			
	10.0	7.6			
	10.8	8.4			
	11.1	8.7			
50	11.9	9.5			
	12.7	10.3			
	13.5				
	13.9		Sta.		Elev
	14.2		1+7'		10.8
2+00	14.9		Out 5'		4.0
	15.4				
	15.4				
	15.7				

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STA. 5+69.48 E.C.; 0+00 = 20' OUT.

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.8	12.5
(2.3)			50	14.7	12.4
	2.6	0.3			
	2.6	0.3			
	3.2	0.9			
50	3.5	1.2			
	4.4	2.1			
11:15	5.5	3.2			
~	6.5	4.2			
	8.4	6.1			
1+00	9.0	6.7			
	9.7	7.4			
	10.6	8.3			
	11.1	8.8			
	11.8	9.5			
50	12.3	10.0			
	12.6	10.3			
	13.3	11.0			
	13.7	11.4	Sta.		Elev
	14.7	12.4	In 7'		10.9
2+00	14.8	12.5	out 5		4.2
	14.6	12.3			
	14.7	12.4			
	14.7	12.4			

(7)

STA. 6+00 P.O.T.; 0+00 = 10' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.8	12.6
(2.2)			50	14.4	12.2
	0.0	+2.2			
	2.0	+0.2			
	2.2	0.0			
50	2.9	0.7			
	3.1	0.9			
11:20	3.8	1.6			
~	5.0	2.8			
	7.1	4.9			
1+00	7.9	5.7			
	9.2	7.0			
	10.2	8.0			
	11.0	8.8			
	11.8	9.6			
50	12.4	10.2			
	13.0	10.8			
	13.2	11.0			
	13.5	11.3	Sta.		Elev
	13.9	11.7	0		10.5
2+00	14.0	11.8	out 12'		4.7
	14.3	12.1			
	14.5	12.3			
	14.8	12.6			

12-19-61

STA. 6+58.23 = B.C.; 0+00 = 20' OUT

Dist	Sound	Elev
0+00		
(21)		
	1.4	+0.7
	1.7	+0.4
	2.5	0.4
50	2.9	0.8
	3.6	1.5
11:25	5.8	3.7
~	8.3	6.2
	10.0	7.9
1+00	11.4	9.3
	12.3	10.2
	12.8	10.7
	13.0	10.9
	13.2	11.1
50	13.7	11.6
	13.9	11.8
	14.0	11.9
	14.2	12.1
	14.4	12.3
2+00	14.3	12.2
	14.1	12.0
	14.0	11.9
	13.9	11.8
	14.0	11.9
50	13.5	11.4

Sta.	Elev
1m 9'	10.2
out 4'	+.3
T.P.	11.08

STA. 1+00 P.O.C.; 0+00 = 10' OUT

Dist	Sound	Elev
0+00		
(20)		
	0.9	+1.1
	1.6	+0.4
	2.1	0.1
50	2.4	0.4
	3.8	1.8
11:30	6.0	4.0
~	8.1	6.1
	9.6	7.6
1+00	10.9	8.9
	11.8	9.8
	12.5	10.5
	13.5	11.5
	14.1	12.1
50	14.2	12.2
	14.2	12.2
	14.1	12.1
	14.0	12.0
	13.9	11.9
2+00	13.4	11.4
	13.2	11.2
	13.0	11.0
	12.6	10.6
	12.3	10.3
50	12.0	10.0

Sta.	Elev
1m 6'	10.4
out 11'	2.7

12-19-61

STA. 7+50 P.O.C.: 0+00 = 10' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				12.3	
(1.7)			50	11.9	
	1.0	+0.7			
	1.3	+0.4			
	1.5	+0.2			
50	2.4	0.7			
	6.6	4.9			
11:40	8.3	6.6			
≈	8.2	6.5			
	8.3	6.6			
1+00	9.3	7.6			
	10.1	8.4			
	11.0	9.3			
	11.8	10.1			
	12.6	10.9			
50	13.0	11.3			
	13.4				
	13.4				
	13.5		Sta		Elev
	13.4		1m8'		10.4
2+00	13.2		out 9'		2.8
	13.1				
	13.0				
	12.5				

STA. 8+00 P.O.C.: 0+00 = 10' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				9.4	
(1.6)			50	9.2	
	0.8			9.3	
	1.3			9.7	
	1.7			10.0	
50	2.0			10.0	
	2.0		3+00	10.0	
11:45	2.1				
≈	2.3				
	6.6				
1+00	7.9				
	9.0				
	10.3				
	11.0				
	11.2				
50	11.3				
	11.6				
	11.4				
	11.3		Sta.		Elev
	11.0		1m6'		10.2
2+00	10.8		out 12'		2.3
	10.6				
	10.2				
	9.9				

12-19-61

STA. 8+61.85 = E.C. ; 0+00 = 0.00' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				10.7	9.2
(13)			50	10.7	9.2
	1.5	0.0			
	1.2	+0.3			
	1.2	+0.3			
50	1.1	+0.4			
	1.0	+0.5			
11+50	0.9	+0.6			
	0.8	+0.7			
	0.7	+0.8			
1+00	0.9	+0.6			
	1.1	+0.4			
	4.1	2.6			
	8.9	7.4			
	11.2	9.7			
50	11.5	10.0			
	11.5	10.0			
	11.3	9.8			
	11.2	9.7	Sta.		Elev
	11.3	9.8	1+77		10.3
2+00	11.4	9.9	Out 12		2.2
	11.4	9.9			
	11.3	9.8			
	11.2	9.7			

(10)

=END OF RIP-RAP

STA. 9+17.53 = P.O.T. ; 0+00 = ' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				10.0	
			50	10.0	
(13)					
50					
12+00			Sta.		Elev
			1+14		10.5
			Out 10'		2.8
1+00			Out 20'		1.3
	0.1	+1.2	Out 50'		1.0
	2.0	0.7	Out 100'		1.2
	7.7	6.4	Out 110'		1.1
	9.3	8.0			
50	9.8	8.5			
	10.1	8.8			
	10.3				
	10.2				
	10.2				
2+00	10.0				
	10.0				
	10.0				
	10.0				

BASELINE LAYOUT FOR PROPOSED REMEDIAL DREDGING WLY. TIERRA DEL FUEGO W.O. 64908

STA.	DEF. ∠	CHORD
13+00	26°21'47"	49.985'
12+50	23°51'00"	"
12+00	21°20'14"	"
11+50	18°49'27"	"
11+00	16°18'40"	"
10+50	13°47'54"	"
10+00	11°17'07"	"
9+50	8°46'20"	"
9+00	6°15'33"	"
8+50	3°44'47"	49.985'
8+00	1°14'00"	24.54'
P.R.C. 7+75.46	56°40'21"	25.45'
7+50	54°14'28"	49.94'
7+00	49°27'59"	"
6+50	44°41'30"	"
6+00	39°55'01"	"
5+50	35°08'32"	"
5+00	30°22'04"	"
4+50	25°35'35"	"
4+00	20°49'07"	"
3+50	16°02'38"	"
3+00	11°16'09"	"
2+50	6°29'40"	49.94'
2+00	1°43'11"	18.01'

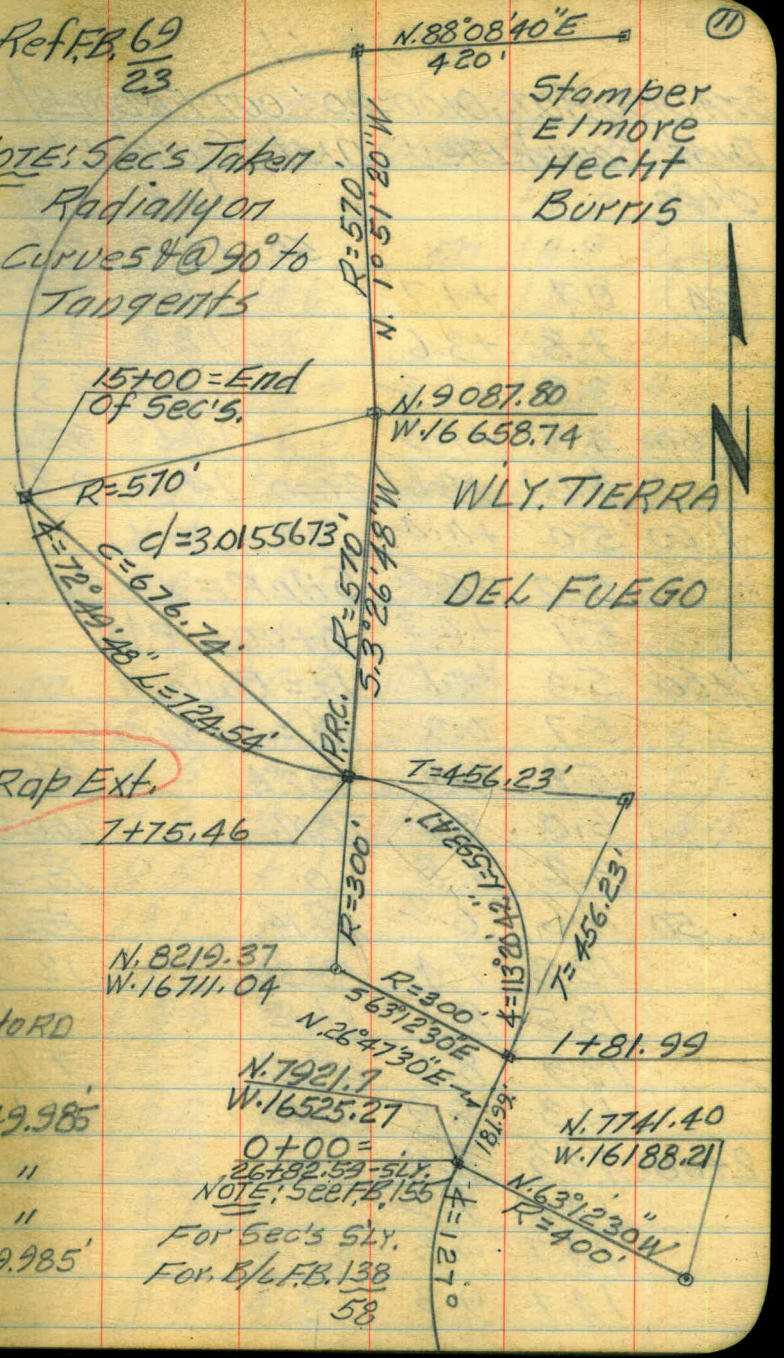
1+81.99 = B.C. Lt. ∠ = 113°20'42", R = 300', L = 593.47', T = 456.23'
d = 5.729578

NOTE: See Rip-Rap Ext. Pg. 28

STA.	DEF. ∠	CHORD
15+00	36°24'54"	49.985'
14+50	33°54'07"	"
14+00	31°23'20"	"
13+50	28°52'34"	49.985'

Ref. F.B. 69/23

NOTE: Sec's Taken Radially on Curves & @ 90° to Tangents



12-13-61

STA. 0+50; P.O.T.; 0+00 = 20' OUT FROM B/L

Dist	Sound	Elev
0+00		
(54)	0.7	+4.7
	1.8	+3.6
	3.2	+2.2
50	4.2	+1.2
	4.6	+0.8
1+00	5.0	+0.4
	5.0	+0.4
	5.1	+0.3
1+00	5.3	+0.1
	5.7	0.3
	5.8	0.4
	6.0	0.6
	9.2	3.8
50	11.6	6.2
	12.8	7.4
	13.5	8.1
	13.9	8.5
	14.3	8.9
2+00	14.3	8.9
	14.6	9.2
	14.7	9.3
	14.7	9.3

Dist	Sound	Elev
	14.8	9.4
50	15.0	9.6
	14.9	9.5
	14.9	9.5
	14.7	9.3
	14.6	9.2
3+00	14.6	9.2

12-15-61

SHOREX - SEC'S

0+00 = B/L

Lt. = Bayard

Rt. = 1m Shore

STA		Elev
T.B.M.		10.95 -
0		10.3
Rt 14'		11.7
Rt 36'		12.5
Lt 12'		9.1
Lt 14'		7.1
Lt 45'		4.1

STA. 1+00; P.O.T.; 0+00 = 30' OUT

Dist	Sound	Elev
0+00		
(54)	0.8	+4.6
	2.3	+3.1
	3.0	+2.4
50	3.4	+2.0
	3.7	+1.7
1+05	4.4	+1.0
	4.8	+0.6
	5.1	+0.3
1+00	5.2	+0.2
	5.2	+0.2
(FB-155 P.C.C. Hub Sta. 22+17.11)	5.5	0.1
	7.8	2.4
	11.5	6.1
50	13.1	7.7
	14.0	8.6
	14.6	9.2
	15.2	9.8
	15.0	9.6
2+00	14.8	9.4
	14.7	9.3
	14.6	9.2
	14.9	4.5

Dist	Sound	Elev
	15.0	9.6
50	14.9	9.5
	14.9	9.5
	14.8	9.4
	14.8	9.4
	14.8	9.4
3+00	14.8	9.4

Sta.	Elev
0	10.9
Rt 28'	12.2
Lt 27'	9.0
Lt 29'	7.1
Lt 50'	4.1

12-13-61

STA. 1+50 P.O.T.; 0+00 = 40' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.7	9.3
54			50	14.7	9.3
	0.2	+5.2		14.7	9.3
	1.2	+4.2		14.7	9.3
	2.0	+3.4		14.9	9.5
50	3.1	+2.3		14.9	9.5
	3.5	+1.9	3+00	14.9	9.5
1;10	3.9	+1.5	12-15-61		
	4.0	+1.4	Sta.		Elev
	4.1	+1.3	0		11.0
1+00	4.1	+1.3	Rt. 24'		12.0
	4.3	+1.1	Lt. 36'		8.7
	5.0	+0.4	Lt. 37'		7.6
	8.3	2.9	Lt. 60'		5.0
	12.1	6.7			
50	13.4	8.0			
	13.9	8.5			
	14.1	8.7			
	14.5	9.1			
	14.2	8.8			
2+00	14.2	8.8			
	14.4	9.0			
	14.4	9.0			
	14.4	9.0			

STA. 1+81.99 = B.C. Lt.; 0+00 = 50' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.7	9.3
54			50	14.7	9.3
	0.2	+5.2		15.1	9.7
	1.0	+4.4		15.1	9.7
	1.6	+3.8		15.3	9.9
50	2.0	+3.4		15.1	9.7
	2.7	+2.7	3+00	15.1	9.7
1;15	3.0	+2.4			
	3.4	+2.0	Sta.		Elev
	3.6	+1.8	0		11.2
1+00	3.7	+1.7	Rt. 23'		12.0
	3.7	+1.7	Lt. 47'		9.0
	4.7	+0.7	Lt. 48'		7.5
	9.2	3.8	Lt. 75'		4.8
	12.4	7.0			
50	13.5	8.1			
	14.0	8.6			
	14.3	8.9			
	14.1	8.7			
	14.1	8.7			
2+00	14.2	8.8			
	14.4	9.0			
	14.5	9.1			
	14.5	9.1			

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STA. 2+00 P.O.C.; 0+00 = 50' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.9	9.6
S.S.			50	14.9	9.6
				14.9	9.6
	0.3	+5.0		15.0	9.7
	1.2	+4.1		15.0	9.7
50	1.7	+3.6		15.0	9.7
	2.1	+3.2	3+00	15.0	9.7
1:20	2.6	+2.7	12-15-61		
≈	2.8	+2.5	Sta.		Elev
	3.1	+2.2	0		11.3
1+00	3.1	+2.2	Rt. 15'		11.7
	3.2	+2.1	Lt. 48'		8.7
	4.1	+1.2	Lt. 49'		7.9
	7.0	1.7	Lt. 85'		4.5
	11.3	6.0			
50	13.6	8.3			
	13.8	8.5			
	14.1	8.8			
	14.2	8.9			
	14.2	8.9			
2+00	14.0	8.7			
	14.2	8.9			
	14.4	9.1			
	14.4	9.1			

STA. 2+50 P.O.C.; 0+00 = 60' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.8	9.5
S.S.			50	14.8	9.5
				14.9	9.6
	0.4	+4.9		14.9	9.6
	1.0	+4.3		15.0	9.7
50	1.4	+3.9		14.9	9.6
	1.6	+3.7	3+00	14.9	9.6
	1.8	+3.5			
1:25	2.5	+2.8	Sta.		Elev
≈	2.7	+2.6	0		11.5
1+00	2.8	+2.5	Rt. 15'		12.0
	3.2	+2.1	Lt. 36'		9.3
	4.9	+0.4	Lt. 57'		7.1
	9.4	4.1	Lt. 95'		4.6
	12.5	7.2			
50	14.0	8.7			
	14.4	9.1			
	14.5	9.2			
	14.6	9.3			
	14.8	9.5			
2+00	14.7	9.4			
	14.5	9.2			
	14.7	9.4			
	14.8	9.5			

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STA. 3+00; P.O.C.; 0+00 = 60' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.8	9.5
(53)			50	14.8	9.5
				14.8	9.5
				14.8	9.5
	0.0	+5.3		14.7	9.4
50	0.5	+4.8		14.7	9.4
	1.0	+4.3	3+00	14.7	9.4
1:30	1.4	+3.9	12-	15- 61	
~	1.5	+3.8	Sta.		Elev.
	1.9	+3.4	0		11.9
1+00	2.3	+3.0	Rt. 15'		12.2
	2.9	+2.4	Lt. 32'		10.1
	4.0	+1.3	Lt. 55'		7.8
	7.2	1.9	Lt. 100'		5.2
	11.8	6.5			
50	14.0	8.7			
	14.2	8.9			
	14.6	9.3			
	14.7	9.4			
	14.9	9.6			
2+00	14.7	9.4			
	14.5	9.2			
	14.5	9.2			
	14.7	9.4			

STA. 3+50 P.O.C.; 0+00 = 60' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.5	9.3
(52)			50	14.7	9.5
				14.6	9.4
				14.8	9.6
				14.7	9.5
50				14.7	9.5
	0.4	+4.8	3+00	14.7	9.5
1:40	0.8	+4.4			
~	1.2	+4.0	Sta.		Elev
	1.6	+3.6	0		12.2
1+00	2.1	+3.1	Rt. 15'		12.3
	2.6	+2.6	Lt. 31'		10.2
	3.9	+1.3	Lt. 57'		7.8
	6.5	1.3	Lt. 100'		5.8
	11.1	5.9			
50	13.2	8.0			
	14.2	9.0			
	14.5	9.3			
	14.8	9.6			
	14.9	9.7			
2+00	14.9	9.7			
	14.7	9.5			
	14.9	9.7			
	14.8	9.6			

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STA. 4+00 P.O.C.; 0+00 = 60' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.5	9.3
52			50	14.7	9.5
				14.5	9.3
				14.4	9.2
				14.6	9.4
50				14.5	9.3
			3+00	14.7	9.5
1;45	0.1	+5.1	12-15-61		
	0.7	+4.5	Sta.		Elev
	1.1	+4.1	0.		12.2
1+00	1.9	+3.3	Rt. 15'		12.5
	2.8	+2.4	Lt. 38'		9.8
	4.5	+0.7	Lt. 60'		7.9
	7.8	2.6	Lt. 100'		6.2
	12.2	7.0			
50	13.6	8.4			
	14.2	9.0			
	14.4	9.2			
	14.9	9.7			
	15.0	9.8			
2+00	15.0	9.8			
	14.8	9.6			
	14.5	9.3			
	14.5	9.3			

STA. 4+50 P.O.C.; 0+00 = 60' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.7	9.5
52			50	14.6	9.3
				14.7	9.5
				14.5	9.3
				14.5	9.3
50				14.5	9.3
			3+00	14.6	9.4
1;50	0.2	+5.0			
	0.7	+4.5	Sta.		Elev
	1.3	+3.9	0		12.2
1+00	2.1	+3.1	Rt. 15'		12.6
	3.3	+1.9	Lt. 33'		10.5
	5.0	+0.2	Lt. 63'		7.7
	8.9	3.7	Lt. 100'		6.4
	12.4	7.2			
50	13.7	8.5			
	14.5	9.3			
	14.9	9.7			
	15.0	9.8			
	15.4	10.2			
2+00	15.5	10.3			
	15.2	10.0			
	15.0	9.8			
	14.6	9.4			

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STA. 5+00 P.O.C.; 0+00 = 60' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.7	9.5
(52)			50	14.7	9.5
				14.4	9.2
				14.4	9.2
				14.5	9.3
50				14.5	9.3
			3+00	14.8	9.6
1:55	0.5	+4.7	12-15-61		
~	1.2	+4.0	Sta.		Elev
	1.8	+3.4	0		12.4
1+00	2.6	+2.6	Rt 14'		12.8
	4.1	+1.1	Lt. 26'		11.7
	5.4	0.2	Lt. 62'		7.8
	11.2	6.0	Lt. 100'		6.0
	13.0	7.8			
50	13.9	8.7			
	14.5	9.3			
	14.9	9.7			
	15.1	9.9			
	15.2	10.0			
2+00	15.3	10.1			
	15.1	9.9			
	14.7	9.5			
	14.5	9.3			

(17)

STA. 5+50 P.O.C.; 0+00 = 60' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.5	9.4
(51)			50	14.4	9.3
				14.5	9.4
				14.4	9.3
				14.5	9.4
50	0.2	+4.9		14.5	9.4
	0.7	+4.4	3+00	14.5	9.4
2:00	1.4	+3.7			
~	2.0	+3.1	Sta		Elev
	2.9	+2.2	0		12.7
1+00	4.0	+1.1	Rt. 15'		13.1
	4.7	+0.4	Lt. 14'		12.3
	8.0	2.9	Lt. 43'		9.8
	11.3	6.2	Lt. 60'		7.8
	12.8	7.7	Lt. 100'		5.2
50	14.3	9.2			
	15.0	9.9			
	14.7	9.6			
	15.2	10.1			
	15.2	10.1			
2+00	15.3	10.2			
	15.2	10.1			
	14.9	9.8			
	14.5	9.4			

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STA. 6+00 P.O.C.; 0+00 = 60' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.3	9.2
(5)			50	14.3	9.2
				14.3	9.2
				14.2	9.1
	1.2	+3.9		14.2	9.1
50	2.0	+3.1		14.3	9.2
	2.5	+2.6	3+00	14.3	9.2
2:10	2.8	+2.3	12-15-61		
≈	3.1	+2.0	Sta.		Elev
	3.7	+1.4	0		13.0
1+00	4.3	+0.8	Rt. 16'		13.4
	5.7	0.6	Lt. 33'		11.1
	10.5	5.4	Lt. 64'		7.4
	12.1	7.0	Lt. 94'		4.8
	13.1	8.0			
50	14.9	9.8			
	15.0	9.9			
	14.8	9.7			
	14.8	9.7			
	15.0	9.9			
2+00	15.2	10.1			
	15.1	10.0			
	14.8	9.7			
	14.5	9.4			

STA. 6+50 P.O.C.; 0+00 = 60' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.5	9.4
(5.1)			50	14.3	9.2
				14.4	9.3
	0.4	+4.7		14.5	9.4
	1.3	+3.8		14.5	9.4
50	1.7	+3.4		14.5	9.4
	2.2	+2.9	3+00	14.5	9.4
2:15	2.9	+2.2			
≈	3.4	+1.7	Sta.		Elev
	4.0	+1.1	0		13.2
1+00	5.1	0.0	Rt. 16'		13.3
	8.7	3.6	Lt. 35'		10.8
	11.9	6.8	Lt. 63'		7.6
	12.0	6.9	Lt. 95'		4.2
	12.5	7.4			
50	14.5	9.4			
	15.6	10.5			
	15.4	10.3			
	15.0	9.9			
	15.2	10.1			
2+00	15.4	10.3			
	15.4	10.3			
	15.2	10.1			
	14.7	9.6			

12-13-61

STA. 7+00 P.O.C.; 0+00 = 60

Dist	Sound	Elev
0+00		
(50)		
	0.9	+4.1
50	1.5	+3.5
	2.2	+2.8
2:20	3.0	+2.0
	3.5	+1.5
	4.4	+0.6
1+00	5.3	0.3
	10.1	5.1
	11.4	6.4
	11.8	6.8
	12.0	7.0
50	14.5	9.5
	16.1	11.1
	15.6	10.6
	15.1	10.1
	15.1	10.1
2+00	15.3	10.3
	15.2	10.2
	15.0	10.0
	14.8	9.8

'OUT

Dist	Sound	Elev
	14.5	9.5
50	14.3	9.3
	14.4	9.4
	14.1	9.1
	14.2	9.2
	14.3	9.3
3+00	14.3	9.3
12-15-61		
Sta.		Elev
0		13.2
Rt. 15'		13.4
Lt. 40'		10.1
Lt. 66'		7.0
Lt. 90'		4.7

STA. 7+50 P.O.C.; 0+00 = 60

Dist	Sound	Elev
0+00		
(50)		
	0.5	+4.5
	1.3	+3.7
50	2.0	+3.0
	2.7	+2.3
2:25	3.3	+1.7
	4.0	+1.0
	4.5	+0.5
1+00	6.9	1.9
	10.1	5.1
	11.0	6.0
	11.2	6.2
	11.4	6.4
50	15.3	10.3
	16.2	11.2
	15.6	10.6
	15.0	10.0
	15.1	10.1
2+00	15.2	10.2
	15.0	10.0
	14.6	9.6
	14.5	9.5

'OUT

Dist	Sound	Elev
	14.3	9.3
50	14.3	9.3
	14.0	9.0
	14.2	9.2
	14.0	9.0
	14.1	9.1
3+00	14.1	9.1
Sta.		Elev
0		12.7
Rt. 15'		13.3
Lt. 36'		10.1
Lt. 60'		7.4
Lt. 90'		4.4

12-13-61

STA. 7+75.46 = P.R.C.; 0+00 = 60' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.1	9.2
(49)			50	14.1	9.2
				14.0	9.1
	1.1	+3.8		14.1	9.2
	1.8	+3.1		14.0	9.1
50	2.3	+2.6		14.0	9.1
	3.0	+1.9	3+00	14.0	9.1
2:35	3.6	+1.3	12-15-61		
	4.2	+0.7	Sta.		Elev
	5.0	0.1	0		12.3
1+00	7.4	2.5	Rt. 18'		13.0
	10.0	5.1	Lt. 33'		10.2
	10.6	5.7	Lt. 50'		8.4
	11.0	6.1	Lt. 60'		6.9
	12.3	7.4	Lt. 88'		4.1
50	16.0	11.1			
	16.2	11.3	T.B.M.	——	12.26
	15.8	10.9			
	15.0	10.1			
	15.1	10.2			
2+00	15.2	10.3			
	14.9	10.0			
	14.6	9.7			
	14.4	9.5			

STA. 8+00 P.O.C.; 0+00 = 60' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.1	9.6
(48)	0.0	+4.8	50	14.3	9.5
	1.1	+3.7		14.4	9.6
	2.0	+2.8		14.4	9.6
	2.7	+2.1		14.5	9.7
50	3.3	+1.5		14.5	9.7
	3.8	+1.0	3+00	14.3	9.5
2:40	4.2	+0.6			
	4.8	0.0	Sta		Elev
	5.5	0.7	0		11.8
1+00	8.0	3.2	Rt. 20'		13.0
	10.1	5.3	Lt. 32'		9.9
	11.0	6.2	Lt. 48'		7.5
	11.8	7.0	Lt. 75'		4.1
	12.4	7.6			
50	16.1	11.3			
	15.9	11.1	P.R.C. Hub		
	15.3	10.5	(Sta. 7+75.46)		
	15.1	10.3			
	15.1	10.3			
2+00	15.3	10.5			
	14.8	10.0			
	14.7	9.9			
	14.6	9.8			

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STA. 8+50 P.O.C.; 0+00 = 50' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.3	9.6
(47)	0.1	+4.6	50	14.3	9.6
	1.4	+3.3		14.4	9.7
	2.4	+2.3		14.1	9.4
	3.1	+1.6		14.0	9.3
50	4.0	+0.7		13.8	9.1
	4.2	+0.5	3+00	13.8	9.1
2:45	4.7	0.0	12-15-61		
≈	5.0	0.3	Sta.		Elev
	5.2	0.5	0		11.5
1+00	5.9	1.2	Rt. 24'		12.8
	7.9	3.2	Lt. 34'		8.3
	9.0	4.3	Lt. 36'		7.2
	9.6	4.9	Lt. 58'		4.6
	10.6	5.9			
50	13.3	8.6			
	15.0	10.3			
	15.9	11.2			
	15.6	10.9			
	15.1	10.4			
2+00	15.1	10.4			
	14.8	10.1			
	14.5	9.8			
	14.4	9.7			

STA. 9+00 P.O.C.; 0+00 = 40' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				14.4	9.7
(47)			50	14.4	9.7
	0.7	+4.0		14.2	9.5
	1.5	+3.2		14.1	9.4
	2.2	+2.5		14.0	9.3
50	2.6	+2.1		14.0	9.3
	3.1	+1.6	3+00	14.0	9.3
2:50	3.7	+1.0			
	4.0	+0.7	Sta.		Elev
	4.5	+0.2	0		11.2
1+00	4.8	0.1	Rt. 23'		12.7
	5.3	0.6	Lt. 24'		8.4
	7.5	2.8	Lt. 26'		7.6
	8.7	4.0	Lt. 51'		4.6
	10.0	5.3			
50	11.4	6.7			
	13.9	9.2			
	15.0	10.3			
	15.8	11.1			
	15.7	11.0			
2+00	15.7	11.0			
	15.5	10.8			
	14.9	10.2			
	14.5	9.8			

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STA. 9+50 P.O.C.; 0+00 = 40' OUT

Dist	Sound	Elev
0+00		
	0.9	+3.7
	1.5	+3.1
50	2.5	+2.1
	2.9	+1.7
2:55	3.4	+1.2
~	4.4	+0.2
	4.9	0.3
1+00	5.1	0.5
	6.9	2.3
	8.0	3.4
	9.1	4.5
	9.9	5.3
50	10.9	6.3
	12.1	7.5
	13.1	8.5
	14.8	10.2
	15.1	10.5
2+00	15.1	10.5
	15.1	10.5
	14.9	10.3
	14.5	9.9

Dist	Sound	Elev
	14.5	9.9
50	14.3	9.7
	14.4	9.8
	14.4	9.8
	14.4	9.8
	14.2	9.6
	14.0	9.4
3+00	15-61	
12- Sta.		Elev
0		11.0
Rt. 24'		12.6
Lt. 23'		8.2
Lt. 54'		5.0

STA. 10+00 P.O.C.; 0+00 = 40' OUT

Dist	Sound	Elev
0+00		
	0.6	+4.0
	1.3	+3.3
50	2.1	+2.5
	3.3	+1.3
3:00	4.1	+0.5
~	4.8	0.2
	5.3	0.7
1+00	6.0	1.4
	6.9	2.3
	8.1	3.5
	8.6	4.0
	11.1	6.5
50	12.3	7.7
	13.1	8.5
	13.3	8.7
	13.1	8.5
	12.8	8.2
2+00	13.0	8.4
	13.7	9.1
	14.1	9.8
	14.1	9.8

Dist	Sound	Elev
	14.5	9.9
50	14.3	9.7
	14.2	9.6
	14.0	9.4
	14.0	9.4
	13.7	9.1
3+00	13.6	9.0
Sta.		Elev
0		11.3
Rt. 24'		12.4
Lt. 24'		8.6
Lt. 40'		6.7
Lt. 61'		4.7

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STA. 10+50 P.O.C.; 0+00 = 40' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				11.0	6.5
(43)			50	11.1	6.6
				11.1	6.6
	0.9	+3.6		11.3	6.8
	1.8	+2.7		11.7	7.2
50	2.6	+1.9		12.3	7.8
	3.4	+1.1	3+00	12.9	8.4
3:05	4.2	+0.3	12-15-61		
≃	4.6	0.1	Sta.		Elev
	5.0	0.5	0		11.7
1+00	5.7	1.2	Rt. 24'		12.4
	7.1	2.6	Lt. 15'		10.0
	9.4	4.9	Lt. 32'		7.6
	11.0	6.5	Lt. 63'		4.2
	11.9	7.4			
50	12.8	8.3			
	12.9	8.4			
	12.7	8.2			
	12.3	7.8			
	12.0	7.5			
2+00	11.8	7.3			
	11.6	7.1			
	11.2	6.7			
	10.9	6.4			

STA. 11+00 P.O.C.; 0+00 = 40' OUT

Dist	Sound	Elev	Dist	Sound	Elev
0+00				10.6	6.3
			50	8.7	4.4
(43)				9.1	4.8
	1.0	+3.3		9.4	5.1
	1.7	+2.6		10.0	5.7
50	2.5	+1.8		11.2	6.9
	3.1	+1.2	3+00	11.7	7.4
3:15	4.0	+0.3		12.4	8.1
≃	4.3	0.0		13.1	8.8
	4.7	0.4		13.4	9.1
1+00	5.4	1.1		13.7	9.4
	8.3	4.0	50	13.5	9.2
	10.6	6.3			
	11.5	7.2	Sta.		Elev
	12.0	7.7	0		11.7
50	12.1	7.8	Rt. 23'		12.3
	12.1	7.8	Lt. 28'		8.6
	12.4	8.1	Lt. 32'		7.5
	12.5	8.2	Lt. 57'		4.5
	12.1	7.8			
2+00	12.0	7.7			
	11.8	7.5			
	11.5	7.2			
	11.4	7.1			

12-13-61

STA. 11+50 P.O.C.; 0+00 = 40' OUT

Dist	Sound	Elev
0+00		
(13)		
	0.9	+3.4
	1.5	+2.8
50	2.1	+2.2
	3.0	+1.3
3'20	3.4	+0.9
	4.1	+0.2
	5.0	0.7
1+00	5.0	0.7
	9.3	5.0
	10.8	6.5
	12.4	8.1
	13.3	9.0
50	13.8	9.5
	13.9	9.6
	13.5	9.2
	13.1	8.8
	13.0	8.7
2+00	12.6	8.3
	12.2	7.9
	11.7	7.4
	11.2	6.9
	11.3	7.0
50	11.3	7.0
	10.9	6.6
	10.9	6.6
	10.1	5.8
	9.4	5.1
3+00	10.3	6.0
	10.9	6.6
	11.3	7.0
	11.6	7.3
	11.6	7.3
	12.0	7.7

12-15-61

Sta.	Elev
0	11.4
Rt. 22'	12.1
Lt. 26'	8.4
Lt. 30'	7.3
Lt. 57'	4.4

STA. 12+00 P.O.C. 0+00 = 40' OUT

Dist	Sound	Elev
0+00		
(4.2)		
	0.6	+3.6
	1.1	+3.1
50	1.5	+2.7
	2.3	+1.9
3'30	3.1	+1.1
	3.7	+0.5
	4.4	0.2
1+00	6.3	2.1
	9.5	5.3
	10.8	6.6
	12.0	7.8
	12.7	8.5
50	13.0	8.8
	13.2	9.0
	13.2	9.0
	13.4	9.2
	13.0	8.8
2+00	12.7	8.5
	12.4	8.2
	12.5	8.3
	12.2	8.0
	12.1	7.9
50	12.0	7.8
	11.8	7.6
	11.7	7.5
	11.6	7.4
	11.5	7.3
3+00	11.6	7.4
	12.3	8.1
	12.8	8.6
	12.9	8.7
	12.7	8.5
50	12.7	8.5

Sta.	Elev
0	11.6
Rt. 23'	12.1
Lt. 9'	10.8
Lt. 25'	8.3
Lt. 27'	7.5
Lt. 57'	4.8
T.B.M. Hub, Sta. 1+00	11.61

STA. 12+50 P.O.C.; 0+00 = 40' OUT

Dist	Sound Elev	Dist	Sound Elev
0+00			
		50	
50			
		3+00	
1+00			
50			
2+00			

STA. 13+00 P.O.C.; 0+00 = 40' OUT

Dist	Sound Elev	Dist	Sound Elev
0+00			
		50	
50			
		3+00	
1+00			
50			
2+00			

STA. 13+50 R.O.C.; 0+00 = 40' OUT

Dist	Sound Elev	Dist	Sound Elev
0+00			
		50	
50			
		3+00	
1+00			
50			
2+00			

STA. 14+00 R.O.C.; 0+00 = 40' OUT

Dist	Sound Elev	Dist	Sound Elev
0+00			
		50	
50			
		3+00	
1+00			
50			
2+00			

STA. 14+50 P.O.C.; 0+00 = 40' OVT

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
			50		
50					
			3+00		
1+00					
50					
2+00					

STA. 15+00; P.O.C.; 0+00 = 40' OVT

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
			50		
50					
			3+00		
1+00					
50					
2+00					

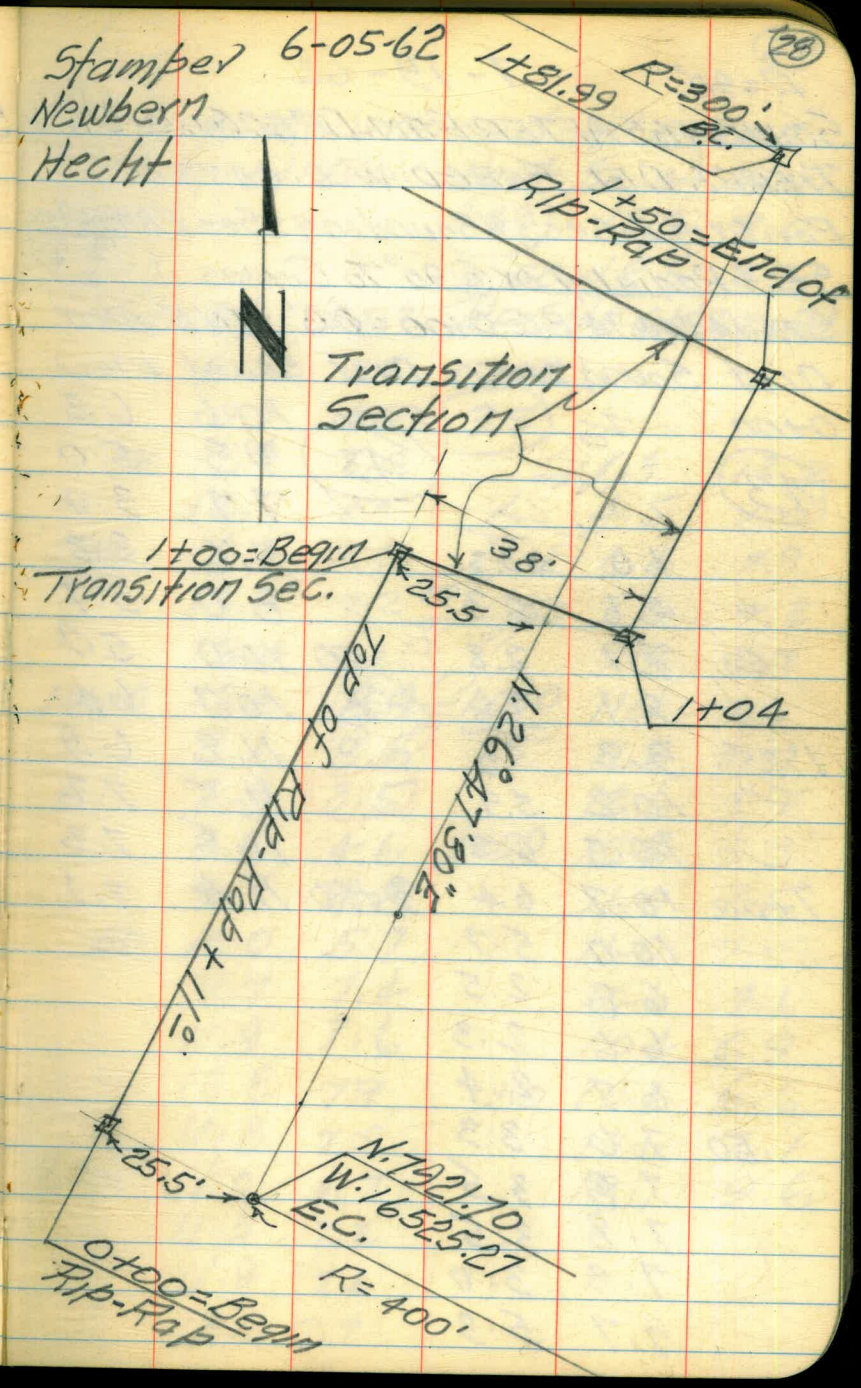
RIP-RAP EXTENSION THROUGH VACATION VILLAGE

Ref. Dwgs 10625-1-D
8631-1-D

NOTE: For Orig Notes & B/L Layout See Pg. 11.

Stamper
Newbern
Hecht

6-05-62



R=90' 7-19-62

SOUNDINGS AFTER REM. DREDGING 5'WLY TIERRA DEL FUEGO W. 0.64730

For. Orig X-Sec's & Soundings See FB 138/78 155/67

Sec's Radially or @90° To Curves

STA. 14+44.74 - B.C. 0+00 = 0.0' IN BOARD

Dist	Sound	Elev
0+00		
(43)		
	1.0	+3.3
	4.6	0.3
50	7.1	2.8
	8.1	3.8
1+25	9.3	5.0
	10.2	5.9
	10.5	6.2
1+00	10.7	6.4
	10.0	5.7
	6.8	2.5
	6.6	2.3
	6.7	2.4
50	7.6	3.3
	7.8	3.5
	7.8	3.5
	7.3	3.0
	9.7	5.3
2+00	10.6	6.3
(43)	9.3	5.0
	7.7	3.4
	7.6	3.3
	8.0	3.7
50	10.0	5.7
	10.7	6.4
	11.2	6.9
	11.5	7.2
	11.5	7.2
3+00	11.4	7.1

STA. 14+88.82; 0+00 = 0.0' IN BOARD

Dist	Sound	Elev
0+00		
(43)		
	1.6	+2.7
	6.5	2.2
	10.3	6.0
50	12.3	8.0
	12.7	8.4
1+30	13.4	9.1
	13.5	9.2
	13.4	9.1
1+00	13.2	8.9
	8.1	3.8
	7.8	3.5
	8.9	4.6
	9.1	4.8
50	10.0	5.7
	11.7	7.4
	11.9	7.6
	12.2	7.9
	11.8	7.5
2+00	11.0	6.7
	11.5	7.2
	11.9	7.6
	12.2	7.9
(43)	12.3	8.0
50	12.5	8.2

RE-CHECK 7-20-62

Dist	Sound	Elev
0+00		
(3.5)		
	1.3	+2.2
	4.5	1.0
	6.4	2.9
50	7.6	4.2
	9.8	6.3
10+40	11.1	7.6
	11.8	8.3
	12.6	9.1
1+00	12.8	9.3
	11.0	7.5
	11.0	7.5
	10.6	7.1
	10.4	6.9
50	10.1	6.6
	10.6	7.1
	13.1	9.6

7-19-62

STA. 15+32.90; 0+00 = 10' INBOARD

Dist	Sound	Elev
0+00		
(42)		
	1.7	+2.5
	6.1	1.9
	9.4	5.2
50	10.1	5.9
	11.7	7.5
1+40	12.9	8.7
	12.7	8.5
	13.5	9.3
1+00	11.1	6.9
	8.1	3.9
	9.9	5.7
	11.1	6.9
	12.2	8.0
50	12.6	8.4
	12.5	8.3
	11.8	7.6
	11.8	7.6
	11.5	7.3
2+00	11.3	7.1
	11.4	7.2
	11.1	6.9
	12.1	7.9

Dist	Sound	Elev
(42)	12.4	8.2
50	12.4	8.2

RE-CHECK 7-23-62

0+00 = 0.0

Dist	Sound	Elev
(1.5)	1.8	0.3
	4.9	3.4
	6.3	4.8
50	8.1	6.6
	8.9	7.4
~~1+50~~	10.1	8.6
	10.2	8.7
	7.9	6.4
1+00	9.0	7.5
	10.0	8.5
9:35	10.1	8.6
	10.0	8.5
	10.0	8.5
50	10.1	8.6

R = 90' Back

R = 2175.96 Ahead

STA. 15+78.23 - E.C. 0+00 = 0.0' OUTBOARD

Dist	Sound	Elev
0+00		
(4)	2.5	+1.6
	7.0	2.9
	10.2	6.1
	12.0	7.9
50	12.9	8.8
	13.1	9.0
1:45	13.0	8.9
	13.1	9.0
	13.0	8.9
1+00	9.5	5.4
	9.7	5.6
	12.1	8.0
	12.8	8.7
	14.5	10.4
50	14.0	9.9
	14.0	9.9
	12.8	8.7
	11.8	7.7
	10.8	6.7
2+00	10.9	6.8
	11.5	7.4
	12.1	8.0
	12.5	8.4

Dist	Sound	Elev
(41)	13.0	8.9
50	13.3	9.2

RE-CHECK. 7-23-62

0+00

Dist	Sound	Elev
(1.5)	2.1	0.6
	5.2	3.7
	6.6	5.0
50	8.7	7.2
	10.2	8.7
	10.8	9.3
9:40	11.0	9.5
	10.1	8.6
1+00	9.1	7.6
	9.0	7.5
	9.7	8.2
	9.7	8.2
	10.0	8.5
50	10.4	8.9

7-19-62

STA. 16+01.17-B.C.; 0+00 = 10.0' OUTBOARD

Dist	Sound	Elev
0+00		
(14)	4.0	0.1
	9.2	5.3
	10.4	6.4
	11.5	7.6
50	11.7	7.8
	12.0	8.1
1;55	13.1	9.2
≈	12.8	8.9
	11.6	7.7
1+00	8.7	4.8
	9.0	5.1
	10.1	6.2
	11.2	7.3
	12.2	8.3
50	12.7	8.8
	13.6	9.7
	11.8	7.9
	10.1	6.2
	11.0	7.1
2+00	11.6	7.7
	11.9	8.0
	12.5	8.6
	13.0	9.1

Dist	Sound	Elev
(30)	13.4	9.5
50	13.6	9.7
	13.6	9.7
RE-CHECK 7-23-62		
0+00		
(1.5)		
	3.9	2.4
	5.3	3.8
	8.0	6.5
50	9.1	7.6
	9.3	7.8
9:45	9.8	8.3
≈	10.0	8.5
	9.3	7.8
1+00	10.6	9.1
	11.3	9.8
	12.0	10.5
	12.1	10.6
	11.1	9.6
50	10.8	9.3

STA. 16+50-P.O.C.; 0+00 = 10' OUTBOARD

Dist	Sound	Elev
0+00		
(39)	2.0	+1.9
	8.1	4.2
	10.5	6.6
	11.7	7.8
50	12.4	8.5
	13.3	9.4
2:00	13.6	9.7
≈	13.4	9.5
	11.8	7.9
1+00	8.1	4.2
	8.5	4.6
	10.0	6.1
	11.5	7.6
	13.1	9.2
50	13.8	9.9
	13.1	9.2
	12.5	8.6
	11.0	7.1
	11.7	7.8
2+00	12.0	8.1
	12.4	8.5
	13.0	9.1
	13.0	9.1

Dist	Sound	Elev
(30)	13.3	9.4
50	13.4	9.5
RE-CHECK 7-23-62		
0+00		
(1.6)		
	2.9	1.3
	4.5	2.9
	7.0	5.4
50	8.2	6.6
	9.5	7.9
9:45	11.0	9.4
≈	11.8	10.2
	10.9	9.3
1+00	10.2	8.6
	9.3	7.7
	9.2	7.6
	9.5	7.9
	11.2	9.6
50	11.9	10.3

7-19-61

STA. 17+00 P.O.C.; 0+00 = 10' OUTBOARD

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(38)	12.3	8.5
(38)	1.0	+2.8		13.2	8.4
	4.3	0.5		13.9	9.1
	7.5	3.7		13.9	9.1
	11.0	7.2	50	12.6	8.8
50	12.2	8.4		10.3	6.5
	12.5	8.7		11.0	7.2
2;05	12.3	8.5		12.1	8.3
	12.4	8.6		12.4	8.6
	11.8	8.0	2+00	12.8	9.0
1+00	11.3	7.5			

STA. 17+50 P.O.C.; 0+00 = 10' OUTBOARD

0+00			(36)	10.7	7.1
(36)	2.0	+1.6		11.0	7.4
	6.0	2.4		12.1	8.5
	10.1	6.5	50	12.7	9.1
50	11.0	7.4		13.2	9.6
	11.0	7.4		13.0	9.4
2;15	11.5	7.9		13.0	9.4
	10.8	7.2	2+00	13.1	9.5
	11.2	7.6		13.2	9.6
1+00	9.9	6.3			
	10.0	6.4			

R = 2175.96 Back
R = 383.90 Ahead

(32)

STA. 17+91.64 = P.C.; 0+00 = 10' OUTBOARD

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(35)	10.4	6.9
				10.1	6.6
(35)	2.4	+1.1		11.1	7.6
	5.1	1.6		12.5	9.0
	6.8	3.3	50	12.5	9.0
50	9.2	5.7		13.1	9.6
	10.0	6.5		13.0	9.5
2;20	10.8	7.3		13.0	9.5
	11.2	7.7		13.0	9.5
	11.0	7.5	2+00	13.1	9.6
1+00	10.4	6.9			

STA. 18+50 P.O.C.; 0+00 = 10' OUTBOARD

0+00			(34)	12.9	9.5
	1.2	+2.2		13.8	10.4
(34)	3.8	0.4		14.1	10.7
	4.5	1.1	50	14.1	10.7
	7.1	3.7		14.3	10.9
50	9.6	6.2		12.9	9.6
	11.1	7.7		11.8	8.4
2;25	12.0	8.6		12.0	8.6
	12.6	9.2	2+00	12.0	8.6
	13.0	9.6			
1+00	12.8	9.4			
	13.0	9.6			

7-19-62

STA. 19+00 POC; 0+00 = 10' OUTBOARD

Dist	Sound	Elev
0+00		
(34)	2.8	+0.6
	3.2	+0.2
✓	5.9	2.5
	8.0	4.6
50	9.3	5.9
	10.6	7.2
2:30	11.7	8.3
~	12.0	8.7
	11.7	8.3
1+00	11.1	7.7

Dist	Sound	Elev
(34)	11.0	7.6
	11.0	7.6
	10.9	7.5
	10.5	7.1
50	10.5	7.1
	10.7	7.3
	11.0	7.6
	11.2	7.8
	11.2	7.8
2+00	11.0	7.6
	11.8	8.4

STA. 19+50 POC; 0+00 = 10' OUTBOARD

Dist	Sound	Elev
0+00		
(34)	3.1	+0.3
	5.0	1.6
	7.1	3.7
✓	9.8	6.5
50	10.0	6.6
	10.7	7.3
2:30	11.0	7.6
~	11.0	7.6
	10.2	6.8
1+00	10.0	6.6
	10.8	7.4

Dist	Sound	Elev
(34)	13.0	9.6
	13.1	9.7
	12.9	9.5
50	13.9	10.5
	14.2	10.8
	13.8	10.4
	13.0	9.6
	13.5	10.1
2+00	13.7	10.3

STA. 20+00 POC; 0+00 = 10' OUTBOARD

Dist	Sound	Elev
0+00		
(33)	3.5	0.2
	4.4	1.1
	6.9	3.6
✓	8.4	5.1
50	10.5	7.2
	11.1	7.8
2:35	11.0	7.7
~	10.4	7.1
	11.0	7.7
1+00	11.1	7.8

Dist	Sound	Elev
(33)	10.6	7.3
	11.1	7.8
	11.1	7.8
	11.8	8.5
50	10.8	7.5
	12.1	8.8
	12.7	9.4
	13.3	10.0
	13.1	9.8
2+00	12.8	9.5
	12.7	9.4

STA. 20+50 POC.; 0+00 = 10' OUTBOARD

Dist	Sound	Elev
0+00		
(33)	1.0	+2.3
	3.2	+0.1
	5.1	1.8
✓	8.0	4.7
50	9.7	6.4
	9.7	6.4
2:40	11.2	7.9
~	12.0	8.7
	11.7	8.4
1+00	10.8	7.5
	10.8	7.5

Dist	Sound	Elev
(33)	10.0	6.7
	10.9	7.6
	11.9	8.6
50	11.8	8.5
	11.5	8.2
	11.7	8.4
	12.7	9.4
	13.0	9.7
2+00	13.2	9.9

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STA. 21+00 P.O.C.; 0+00 = 10' OUTBOARD

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(32)	12.0	8.8
(32)	0.0	+3.2		10.9	7.7
	3.3	0.1		10.7	7.5
✓	4.1	0.9		11.7	8.5
	7.0	3.8	50	11.5	8.3
50	9.3	6.1		10.8	7.6
	10.3	7.1		10.7	7.5
2:45	10.7	7.5		11.1	7.9
~	10.4	7.2		12.2	9.0
	11.0	7.8	2+00	12.6	9.4
1+00	11.5	8.3			

STA. 21+50 P.O.C.; 0+00 = 10' OUTBOARD

0+00			(32)	10.2	7.0
(32)	0.0	+3.2		11.5	8.3
	3.1	+0.1		12.1	8.9
	4.2	1.0	50	12.6	9.4
✓	7.0	3.8		12.5	9.3
50	8.6	5.4		10.0	6.8
	9.9	6.7		10.1	6.9
2:50	10.1	6.9		10.9	7.7
~	10.9	7.7	2+00	11.5	8.3
	10.9	7.7		12.9	9.7
1+00	10.7	7.5		12.9	9.6
	10.7	7.5			

R = 420' Ahead
R = 383.90 Back

STA. 22+17.11 = P.O.C.; 0+00 = 10' OUTBOARD

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3)	9.8	6.7
(3)	0.0	+3.1		10.3	7.2
	2.9	+0.2		12.2	9.1
✓	4.2	1.1		12.8	9.7
	8.1	5.0	50	12.7	9.6
50	9.5	6.4		11.6	8.5
	10.3	7.2		11.7	8.6
2:55	10.5	7.4		12.8	9.7
~	10.9	7.8		12.0	8.9
	10.1	7.0	2+00	12.2	9.1
1+00	9.6	6.5			

STA. 22+50 P.O.C.; 0+00 = 10' OUTBOARD

0+00			(3)	13.0	9.9
(3)	0.0	+3.1		12.9	9.8
	3.8	0.7		12.2	9.1
	5.5	2.4	50	13.1	10.0
✓	7.1	4.0		13.1	10.0
50	8.6	5.5		13.2	10.1
	9.2	6.1		13.5	10.4
3:00	10.5	7.4		13.1	10.0
~	11.3	8.2	2+00	12.9	9.8
	12.2	9.1			
1+00	12.9	9.8			
	12.7	9.6			

7-19-62

STA. 23+00 P.O.C.; 0+00 = 10' OUTBOARD

Dist	Sound	Elev	Dist	Sound	Elev
0+00			29	10.2	7.3
29				10.2	7.3
	3.5	0.6		11.6	8.7
✓	4.7	1.8		12.3	9.4
	7.9	5.0	50	13.0	10.1
50	9.3	6.4		13.7	10.8
	9.4	6.5		13.6	10.7
3:05	10.0	7.1		13.6	10.7
	10.3	7.4		13.6	10.7
	10.6	7.7	2+00	13.2	10.3
1+00	10.4	7.5			

STA. 23+50 P.O.C.; 0+00 = 20' OUTBOARD

Dist	Sound	Elev	Dist	Sound	Elev
0+00			29	11.5	8.6
	2.8	+0.1		12.3	9.4
29	5.1	2.2		13.4	10.5
	8.0	5.1	50	14.1	11.2
✓	10.1	7.2		14.1	11.2
50	11.0	8.1		13.8	10.9
	10.6	7.7		13.2	10.3
3:05	10.3	7.4		13.1	10.2
	10.0	7.1	2+00	12.3	9.4
	10.5	7.6			
1+00	11.0	8.1			
	10.5	7.6			

STA. 24+00 P.O.C.; 0+00 = 20' OUTBOARD

Dist	Sound	Elev	Dist	Sound	Elev
0+00			29	9.2	6.3
29	1.4	+1.5		10.6	7.7
	5.9	3.0		11.7	8.8
	8.8	5.9		12.2	9.3
	10.0	7.1	50	12.9	10.0
50	10.9	8.0		13.2	10.3
	10.9	8.0		13.5	10.6
3:10	11.1	8.2		13.0	10.1
	11.1	8.2		12.9	10.0
	10.7	7.8	2+00	12.9	10.0
1+00	8.5	5.6			

STA. 24+50 P.O.C.; 0+00 = 20' OUTBOARD

Dist	Sound	Elev	Dist	Sound	Elev
0+00			29	11.4	8.5
29	1.0	+1.9		11.6	8.7
	4.0	1.1		11.3	8.4
	6.5	3.6	50	12.1	9.2
✓	8.8	5.9		12.7	9.8
50	9.5	6.6		12.9	10.0
	10.6	7.7		13.2	10.3
3:15	10.9	8.0		13.3	10.4
	10.8	7.9	2+00	13.7	10.8
	11.0	8.1			
1+00	10.1	7.2			
	10.6	7.7			

7-20-62

STA. 25+00 POC; 0+00 = 20' OUTBOARD

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(27)	11.9	9.2
(27)	0.8	+1.9		12.2	9.5
	5.3	2.6		12.0	9.3
	6.9	4.2		11.3	8.6
	9.0	6.3	50	11.3	8.6
50	10.0	7.3		12.0	9.3
	10.1	7.4		11.9	9.2
9:10	10.7	8.0		12.0	9.3
≈	10.9	8.2		12.1	9.4
	9.6	6.9	2+00	12.3	9.6
1+00	10.6	7.9			

STA. 25+50 POC; 0+00 = 10' OUTBOARD

0+00			(18)	9.9	8.1
(18)				10.2	8.4
	0.6	+1.2		10.9	9.1
	4.5	2.7	50	11.0	9.2
	6.2	4.4		11.2	9.4
50	7.9	6.1		11.2	9.4
	10.5	8.7		12.0	10.2
9:15	10.8	9.0		11.9	10.1
≈	11.0	9.2	2+00	12.0	10.2
	10.5	8.7			
1+00	9.0	7.2			
	9.1	7.3			

STA. 26+00 POC; 0+00 = 10' OUTBOARD

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(19)	7.9	6.0
(19)	See			9.6	7.7
	1.8	+0.8		11.0	9.1
	5.0	3.1 39		10.3	8.4
	7.7	5.8	50	10.7	8.8
50	10.1	8.2		10.1	8.2
	10.1	8.2		10.9	9.0
9:20	10.6	8.7		11.0	9.1
≈	10.9	9.0		11.7	9.8
	10.8	8.9	2+00	11.8	9.9
1+00	7.3	5.4			

STA. 26+36.59 P.O.C; 0+00 = 10' OUTBOARD

0+00			(21)	11.8	9.7
(21)	1.0	+1.1		13.1	11.0
	5.0	2.9		13.2	11.1
	8.0	5.9	50	13.2	11.1
	8.3	6.2		12.0	9.9
50	9.4	7.3		11.0	8.9
	10.0	7.9		11.5	9.4
9:30	10.3	8.2		11.5	9.4
≈	10.6	8.5	2+00	12.1	10.0
	10.3	8.2			
1+00	10.7	8.6			
	10.3	8.2			

R=420' Back
(End of City Contract.) 7-20-62
26+82.59=EC; 0+00=10' OUTBOARD

Dist	Sound	Elev
0+00		
(23)		
	3.1	0.8
	4.0	1.7
	4.9	2.6
50	6.4	4.1
	7.0	4.7
9:35	7.0	4.7
≈	7.7	5.4
	8.0	5.7
1+00	9.4	7.1
	10.5	8.2
	11.3	9.0
	11.7	9.4
	11.5	9.2
50	11.5	9.2
	11.6	9.3
	10.7	8.4
	11.0	8.7
	11.3	9.0
2+00	11.4	9.1

NOTE: (See Sketch Pg 11)
≈ (See Orig Sec's Pg 12)

SOUNDINGS THROUGH SKIRBALL LEASE AREA — CONTRACTOR SILBERBERGER & GOLDEN — 0+00 EC. Sec. R=400'
STA. 0+50; P.O.T.; 0+00=30' OUTBD.

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
(24)	0.0	+2.4			
	4.7	2.3			
	6.9	4.5			
	9.1	6.7			
50	10.9	8.5			
	12.2	9.8			
9:40	12.2	9.8			
≈	12.5	10.1			
	12.5	10.1			
1+00	12.2	9.8			
	10.2	7.8			
	9.5	7.1			
	10.5	8.1			
	11.2	8.8			
50	11.9	9.5			
	11.9	9.5			
	11.2	8.8			
	10.9	8.5			
	11.1	8.7			
2+00	11.3	8.9			

SKIRBALL LEASE SEC's CONTD

7-20-62

STA. 1+00 P.O.T.; 0+00 = 30' OUTBOARD

Dist	Sound	Elev	Dist	Sound	Elev
0+00			12.5	9.7	7.2
25				9.5	7.0
	1.4	+1.1		9.5	7.0
	2.8	0.3		10.6	8.1
	5.0	2.5	50	11.4	8.9
50	5.0	2.5		12.0	9.5
	5.8	3.3		12.0	9.5
9:45	6.9	4.4		11.1	8.6
	7.9	5.4		11.1	8.6
	7.2	4.7	2+00	11.2	8.7
1+00	9.0	6.5			

STA. 26+36.59; 0+00 = 0.0

Sta.	Elev.	
B.M.	12.89	Chisl □ N, Cb @ End Rd @ NW Cor M. Yacht Pool
2'-outboard	10.7	
15' outboard	3.6	

STA. 26+82.59; 0+00 = 0.0

3' outboard	10.8	
16' "	3.6	

7-20-62

STA 0+50; 0+00 = 20' OUTBOARD

Sta.	Elev
25'-outboard	10.8
38' "	3.6

STA. 1+00; 0+00 = 20' OUTBOARD

26'- outboard	11.7
40' "	3.5

(Pg. 35)

RE-CHECK STA. 24+00; 0+00 = SAME

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
50					
1+00					
50					

(34)

RE-CHECK

STA. 26+00; 0+00 = 10' OUTBOARD

Dist	Sound	Elev
0+00		
50		
1+00		
50		

SOUND & X-SECTION PROPOSED REMEDIAL ISLAND - SEE BASE LINE SKETCH

See SKETCH PAGE 28 - SECTIONS

CURVE & 90° TO TANGENTS

ALLEN, DANIEL, HECHT - BM = 11.06

STA 0+28 0+00 = B/L: NLY EDGE EXISTING DOCK & NLY OF AC RAMP

DIST	SOUND	ELEV
0+00	ON NLY EDGE 16' WIDE AC RAMP	11.8
RT 38°	WLY OF AC	13.02
RT = 50	ON AC	13.25
LT 23	TOP & RR BCH	11.0
LT 27	ON RR	7.7
LT 38	ON RR	3.2
LT 50	5.0 9:20	0.9
" 60	5.5	-1.4
" 70	7.4	-3.3
" 80	10.2	-6.1
" 90	11.1	-7.0
LT 100	11.1	-7.0
" 10	10.0	-5.9
" 20	9.0	-4.9
" 30	9.2	-5.1
" 40	10.1	-6.0
LT 50	10.5	-6.4
"	11.1	-7.0
LT 170	11.1	-7.0

4.1

DIST	SOUND	ELEV
LT 180	11.3	-7.2
" 190	12.0	-7.9
" 200	12.5	-8.4

TBM - 11.24 = PK IN E OF DOCK AT STA

REF 8739-B - PAGE 11 + 28 THIS BOOK

DREDGING & RIP RAP WLY OF VACATION 40

THIS F.B. PAGE 11 - FOR EXISTING RIP RAP

& SOUNDINGS TAKEN RADIAL ON

SOUND = 6/28/65 JUNE 25, 1965 = X-SEC

BRONZE DISK IN CORB SWLY INGRAHAM & VACATION VILLAGE RD

STA 0+75; 0+00 = BASE LINE

DIST	SOUND 6-28-65	ELEV
0+00 B/L	9:25	12.0
RT 25		12.3
= WLY OF DIC		
RT 42		12.8
= TOP RR & BCH		
LT 24		11.8
ON RR		
LT 38		3.4
LT 50	5.2	-1.0
"	5.8	-1.6
"	7.0	-2.8
"	9.0	-4.8
"	11.0	-6.8
LT 100	12.0	-7.8
"	13.0	-8.8
"	13.1	-8.9
"	13.1	-8.9
"	11.1	-6.9
LT 150	10.5	-6.3
	11.2	-7.0
LT 170	12.0	-7.8

4.2

DIST	SOUND	ELEV
LT 180	12.2	-8.0
LT 190	12.0	-7.8
LT 200	12.1	-7.9

ELY END OF DOCK

LT = BKWARD. RT = IN SHORE

WLY VACATION ISLE CONT - 6-27-65
EP = WLY EDGE EXISTING PAVEMENT
SOUND 6-28-65
STA 1+00; 0+00 = B/L - See PAGE 28

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00 B/L		11.5	LT 230	12.9	-8.7
RT 25		11.9	LT 240	13.1	-8.9
=WLY AC					
RT 41 E.P		12.1	LT 250	13.1	-8.9
O/C	6-28-65				
RT 50	9:30	13.0			
TOP RR					
LT 26	(42)	11.9			
ON RR					
LT 40		3.4			
LT 50	40	~~4.0~~ -0.6			
"	50	~~5.0~~ -0.8			
"	55	-1.3			
"	55	-1.3			
"	55	-1.3			
LT 100	62	-2.0			
"	88	-4.6			
"	100	-5.8			
"	98	-5.6			
"	83	-4.1			
LT 150	92	-5.0			
"	101	-5.9			
"	110	-6.8			
"	120	-7.8			
"	130	-8.8			
LT 200	130	-8.8			
	125	-8.3			
LT 220	126	-8.4			

W. VACATION ISLE 6-27-65 = X-SEC 6/28-65: SOUND
= NLY END OF EXISTING RIPRAP
STA 1+50; 0+00 = BASE LINE

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		12.0	LT 240	12.9	-8.6
RT 22		11.7	LT 250	13.2	-8.9
=WLY O/C					
RT 36		12.7			
ON O/C	6-28-65				
RT 50		12.8			
=TOP RR					
LT 26	9:35	11.0			
ON RR					
LT 53	(43)	3.2			
LT 60	35	0.8			
" 70	40	0.3			
" 80	41	0.2			
" 90	43	0.0			
LT 100	49	-0.6			
"	49	-0.6			
"	50	-0.7			
"	49	-0.6			
"	50	-0.7			
LT 150	50	-0.7			
"	50	-0.7			
"	50	-0.7			
"	55	-1.2			
"	100	-5.8			
LT 200	120	-7.8			
"	128	-8.5			
"	128	-8.5			
LT 230	130	-8.7			

WLY VACATION Isle 6-25-65 X-Sec
6-28-65 = Sound
SECTION ON CURVE TAKEN RADIAL
STA 1+81.99 ; 0+00 = Base Line = BC 300' R LT

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		11.6	LT 230	12.3	-8.0
IE DRAIN	: ℄ BEGIN DRAIN	IE 11.45	LT 240	12.5	-8.2
RT 20					
E.P. RT 33		EP 12.5	LT 250	13.0	-8.7
ON PAVE RT 50	9:40	PAVE 12.7			
LT 34	(4.3)	10.8			
LT 50		3.7			
" 60	1.0	3.3			
" 70	3.0	1.3			
" 80	3.1	1.2			
" 90	3.2	1.1			
LT 100	3.8	0.5			
"	4.0	0.3			
"	4.5	-0.2			
"	4.9	-0.6			
"	4.9	-0.6			
LT 150	4.9	-0.6			
"	4.8	-0.5			
"	4.8	-0.5			
"	4.8	-0.5			
"	4.8	-0.5			
LT 200	5.0	-0.7			
	7.2	-2.9			
LT 220 = ℄ RT 20	12.0 = BEGIN AC DRAIN	-7.7			

E.P. = EDGE ROUGH OIL PAVE 42
FOR A.C. DRAIN SEE DWG 2111-D- 6-25-65 = X-Sec
6-28: Sound
STA 2+25 ; 0+00 = Base Line

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		11.4			
: ℄ DRAIN		IE 11.54			
RT 20					
EP RT 31		12.2			
RT 50		PAVE 12.4			
LT 22		10.4			
LT 31	9:45	4.4			
LT 42	(4.3)	2.6			
LT 80		1.7			
" 90	2.6	1.7			
LT 100	3.1	1.2			
"	4.0	0.3			
"	4.2	0.1			
"	4.2	0.1			
"	4.2	0.1			
LT 150	4.0	0.3			
"	4.1	0.2			
"	4.2	0.1			
"	4.5	-0.2			
"	4.5	-0.2			
LT 200	5.2	-1.9			
"	10.5	-6.2			
"	12.3	-8.0			
"	13.0	-8.7			
"	13.1	-8.8			
LT 250	12.8	-8.5			

X-Sec: 6-25-65 - COLD
Sound: 6-28-65
FOR DRAIN See Dwg 2111-D

STA 2+50; 0+00 = BASE LINE

DIST	SOUND	ELEV
0+00		6.6
RT 8°		11.7
Ø DRAIN		AC IE
RT 19°		11.61
E.P.		
RT 31		12.2
ON PAVE		PAVE
RT 50		12.3
LT 9°	9:55	8.2
LT 50	(4.3)	3.5
LT 90		2.2
LT 100	2.8	1.5
"	3.8	0.5
"	4.0	0.3
"	4.0	0.3
"	4.0	0.3
LT 150	4.0	0.3
"	4.0	0.3
"	4.0	0.3
"	4.1	0.2
"	4.2	0.1
LT 200	4.7	-0.4
"	10.0	-5.7
"	12.0	-7.7
"	12.9	-8.6
"	13.2	-8.9
LT 250	12.9	-8.6

EP. = WLY EDGE ROUGH OIL PAVEMENT
SOUND EQ + X-SECT RADIAL

43

STA 2+75; 0+00 = BASELINE

DIST	SOUND	ELEV
0+00		6.1
LT 40		4.6
LT 80		3.5
LT 100		2.6
RT 6°		11.6
Ø DRAIN		IE
RT 20	10:00	11.75
EP		
RT 31	(4.3)	12.2
ON PAVE		
RT 50		12.3
LT 110	2.9	1.4
" 120	3.2	1.1
" 130	3.5	0.8
" 140	3.7	0.6
LT 150	3.7	0.6
"	3.6	0.7
"	3.8	0.5
"	4.0	0.3
"	4.0	0.3
LT 200	4.2	0.1
"	8.3	-4.0
"	11.9	-7.6
"	13.1	-8.8
"	13.1	-8.8
LT 250	13.3	-9.0

6-25-65 COLD

E.P. = Edge Existing A.C. (Oil) PAVEMENT
6-28-65 = SOUNDED

STA 3+00 ; 0+00 = BASE LINE

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		7.7			
RT 6.0		11.7			
&DRAIN		IE			
RT 19		11.82			
EP					
RT 31		12.3			
ON PAVE					
RT 50		12.3			
LT 10	10:05	6.5			
LT 45	(4.3)	4.9			
LT 100		3.0			
LT 110	2.0	2.3			
LT 120	2.8	1.5			
LT 130	3.0	1.3			
LT 140	3.0	1.3			
LT 150	3.1	1.2			
"	3.2	1.1			
"	3.4	0.9			
"	3.6	0.7			
"	3.9	0.4			
LT 200	4.1	0.2			
"	8.5	-4.2			
"	12.0	-7.7			
"	12.9	-8.6			
"	13.0	-8.7			
LT 250	13.4	-9.1			

6-25-65

X-SECT WLY VACATION ISLE
X-SECTIONED RADIAL

STA 3+25 ; 0+00 = BASELINE

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		8.7			
RT 8.0		12.0			
&DRAIN		IE			
RT 19		11.91			
EP					
RT 32		12.4			
ONPAVE					
RT 50		12.4			
LT 9.0		7.2			
LT 40		5.7			
LT 80	10:10	4.5			
LT 100	(4.3)	3.4			
LT 120		2.0			
LT 130	2.0	2.3			
" 140	2.3	2.0			
" 150	2.8	1.5			
LT 160	3.0	1.3			
" 170	3.1	1.2			
" 180	3.2	1.1			
" 190	3.5	0.8			
LT 200	4.0	0.3			
"	7.3	-3.0			
"	12.1	-7.8			
"	13.0	-0.7			
"	13.2	-8.9			
LT 250	13.3	-9.0			

EP = WLY EDGE PAVEMENT
℄ DRAIN = IE OF AC DRAIN

STA 3+50; 0+00 = BASE LINE

DIST	SOUND	ELEV
0+00 ℄ DRAIN		11.1 IE
RT 19.5		11.95
EP RT 31		12.5 PAVE
RT 50		12.5
LT 6.0		8.6
LT 42	10:15	6.9
LT 75	(4.3)	5.3
LT 100		4.3
LT 140		2.5
LT 150	2.0	2.3
"	2.5	1.8
"	3.0	1.3
"	3.1	1.2
"	3.5	0.8
LT 200	4.0	0.3
"	8.3	-4.0
"	12.2	-7.9
"	13.0	-8.7
"	13.1	-8.8
LT 250	14.0	-9.7

SOUND & X-SECTION WLY VACATION 45 ISLAND
6-28-65 = X-SEC
6-28-65 = SOUND

STA 3+75; 0+00 = BASE LINE

DIST	SOUND	ELEV
0+00 ℄ DRAIN		12.1 IE
RT 19.5		11.97
EP RT 31		12.5 ON PAVE
RT 50		12.4
LT 12		11.2
LT 23		8.9
LT 50	10:20	7.3
LT 80	(4.3)	5.7
LT 100		4.7
LT 150		2.4
LT 160	2.1	2.1
" 170	2.8	1.5
" 180	3.0	1.3
" 190	3.3	1.0
LT 200	4.0	0.3
"	8.5	-4.2
"	12.2	-7.9
"	13.0	-8.7
"	13.2	-8.9
LT 250	13.5	-9.2

EP = VALLEY EDGE PAVEMENT
℄ DRAIN = ℄ AC DRAIN DWG 2111-D

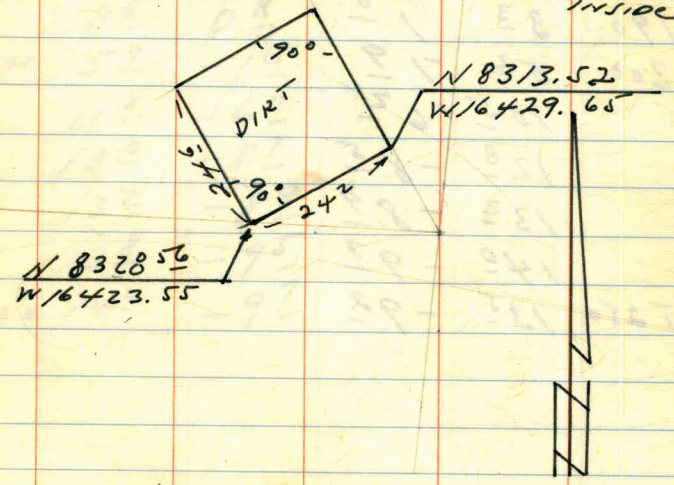
STA 4+00; 0+00 = BASELINE

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		12.5			
℄ DRAIN RT 20'		IE 12.2			
EP RT 32		12.5			
RT 50		12.5 ON PAVE			
LT 21	10:20	11.2			
LT 37		8.9			
LT 70	4.3	7.1			
LT 100		5.2			
LT 150		2.6			
LT 160	2.0	2.3			
" 170	2.5	1.8			
" 180	3.0	1.3			
" 190	3.2	1.1			
LT 200	4.0	0.3			
"	9.2	-4.9			
"	12.2	-7.9			
"	13.2	-8.9			
"	14.0	-9.7			
LT 250	14.0	-9.7			

SOUNDING X-SECT WLY VACATION ISLE 46
6-25-65

LOCATION OF STORAGEYARD ON BEACH
GRAPE STAKES WITH CYCLONE FENCE
BACKING
4+18 - RT 1.0 = ℄ 30" PALM TREE

BOAT STORAGE AREA. DIRT FLOOR
6' GRAPE STAKE FENCE WITH 6' CYCLONE FENCE INSIDE



ELEV OF PATIO SLAB IN FRONT OF BARE FOOT BAR = 8.5 MLLW

EP = EDGE (WLY) OF PAVEMENT
LDRAIN - See DWG 2111-D

STA 4+25; 0+00 = BASE LINE

DIST 0+00	SOUND	ELEV	DIST	SOUND	ELEV
0+00		12.8			
LDRAIN		IE			
RT 20		12.21			
EP		EP			
RT 31	* Begin 900D AC	12.57			
ON PAVE.		900D AC			
RT 50		12.64			
LT 30	10:25	10.8			
LT 50		8.6			
LT 75	(4.3)	7.2			
LT 100		5.8			
LT 150		3.0			
LT 160	1.0	3.3			
" 170	2.3	2.0			
" 180	3.0	1.3			
" 190	3.3	1.0			
" 200	5.2	-1.9			
"	10.5	-6.2			
"	12.8	-8.5			
"	13.2	-8.9			
"	14.0	-9.7			
LT 250	13.5	-9.2			

Sound x-section WLY VACATION Isle - SLY OF BAREFOOT BAR

STA 4+50; 0+00 = BASE LINE

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		12.8			
LDRAIN		IE			
RT 19		12.26			
EP		ON AC			
RT 22		12.67			
		ON PAVE			
RT 50		12.87			
LT 30	10:25	11.1			
LT 50		9.2			
LT 80	(4.3)	7.0			
LT 100		5.8			
LT 150		2.9			
"	2.0	2.3			
"	2.3	2.0			
"	3.0	1.3			
"	3.5	0.8			
LT 200	5.9	-1.6			
"	11.0	-6.7			
"	13.0	-8.7			
"	13.2	-8.9			
"	13.8	-9.5			
LT 250	14.0	-9.7			

EP = WLY Edge EXIST PAVEMENT
& DRAIN = AC DRAIN DWG 2111-D

STA 4+75; 0+00 = BASE LINE

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		12 7			
&DRAIN		IE			
RT 19 5		12 35			
EP GOOD A.C. PAVE					
RT 22 5		12 CL			
		ON PAVE			
RT 50		13 10			
LT 25		12 1			
LT 50	10:30	9 0			
LT 75	(4 3)	7 2			
LT 100		5 8			
LT 140		3 8			
LT 150		2 9			
"	2 0	2 3			
"	2 5	1 8			
"	3 0	1 3			
"	3 5	0 8			
LT 200	7 2	-2 9			
"	12 0	-7 7			
"	13 0	-8 7			
"	13 5	-9 2			
"	14 0	-9 7			
LT 250	14 0	-9 7			

SOUND & X-SECT WLY VACATION ISLAND SLY OF BARE FOOT BAR

STA 5+00; 0+00 = BASE LINE

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		12 7			
&DRAIN		IE			
RT 20		12 40			
EP					
RT 23		12 78			
ON PAVE					
RT 50		13 35			
LT 30		11 8			
LT 50	10:30	9 2			
LT 75	(4 3)	7 0			
LT 100		5 6			
LT 135		4 0			
LT 150		2 8			
"	2 3	2 0			
"	3 2	1 1			
"	4 0	0 3			
"	4 2	0 1			
LT 200	9 7	-5 4			
"	12 2	-7 9			
"	13 1	-8 8			
"	13 5	-9 2			
"	14 0	-9 7			
LT 250	14 1	-9 8			

EP = Edge Exist Pavement
See Dwg 2111-D for AC Drain

STA ~~5+25~~ 5+25 ; 0+00 = BASE LINE

DIST	SOUND	ELEV
0+00		12.9
EOR AIN		IE 12.58
RT 20		
EP		
RT 22.5		12.95
PAVE		
RT 50	10:35	13.55
LT 30		11.9
LT 50	(42)	9.1
LT 65		7.0
LT 100		5.3
LT 133		4.0
LT 150		2.4
"	2.1	2.1
"	3.2	1.1
"	3.9	0.3
"	5.0	-1.2
LT 200	10.8	-6.6
"	12.8	-8.6
"	13.2	-9.0
"	13.4	-9.2
"	13.8	-9.6
LT 250	14.0	-9.8

SOUND & X-SECTION W/Y VACATION ISLE 49

X-SECT & SOUND RADIAL

STA ~~5+25~~ 5+50 ; 0+00 = BASE LINE

DIST	SOUND	ELEV
0+00		12.7
EOR AIN		IE 12.71
RT 20		
PAVE		PAVE
RT 22		13.02
RT 50		PAVE 13.67
LT 25		12.2
LT 53		9.8
LT 60	10:40	6.9
LT 100	(42)	5.1
LT 130		3.5
LT 140	1.1	3.1
LT 150	2.0	2.2
"	3.0	1.2
"	3.3	0.9
"	4.0	0.2
"	6.7	-2.5
LT 200	11.2	-7.0
"	13.0	-8.8
"	13.2	-9.0
"	13.2	-9.0
"	13.5	-9.3
LT 250	14.0	-9.8

EP = EDGE OF EXIST PAVEMENT

5+75
STA 6+00; 0+00 = BASE LINE

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		13.0			
℄DRAIN		IE 12.82			
RT 20					
EP					
RT 22		13.15			
ON PAVE					
RT 50	10:40	13.74			
LT 30		12.1			
LT 50	4.2	10.2			
LT 61		6.7			
LT 100		4.8			
LT 125		3.6			
LT 130	0.9	3.3			
" 140	1.5	2.7			
LT 150	2.3	1.9			
"	3.0	1.2			
"	3.5	0.7			
"	4.0	0.2			
"	8.0	-3.8			
LT 200	11.5	-7.3			
"	13.2	-9.0			
"	13.5	-9.3			
"	13.3	-9.1			
"	13.8	-9.6			
LT 250	13.0	-8.8			

This STATION IS ON BACK SLY OF BARRIER
BAR & SHOULD END RIP RAP
6+00
6+25
STA 6+00; 0+00 = BASE LINE

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		13.2			
℄DRAIN		IE 12.99			
RT 20					
EP					
RT 22		13.27			
PAVE					
RT 50	10:45	13.71			
LT 30		12.6			
LT 50	4.2	10.7			
LT 61		6.3			
LT 100		4.6			
LT 130		3.1			
LT 140	2.0	2.2			
LT 150	2.5	1.7			
"	3.1	1.1			
"	3.6	0.6			
"	4.5	-0.3			
"	10.0	-5.8			
LT 200	12.3	-8.9			
"	13.3	-9.1			
"	13.5	-9.3			
"	13.2	-9.0			
"	14.0	-9.8			
LT 250	14.2	-10.0			

This Section is along SLY EDGE OF BARE FOOT BAR

STA 6+25 ; 0+00 = BASE LINE

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00		13.9			
EDRAIN		IE			
RT 21		12.94			
EP		PAVE			
RT 24		13.43			
		PAVE			
RT 50		13.64			
LT 30		13.4			
LT 47	10:45	12.9			
LT 65		9.0			
LT 80	(#2)	5.5			
LT 110		3.9			
LT 120	0.8	3.4			
" 130	1.5	2.7			
" 140	2.0	2.2			
LT 150	2.8	1.4			
"	3.0	1.2			
"	3.9	0.3			
"	6.2	-2.0			
"	10.3	-6.1			
LT 200	11.8	-7.6			
"	13.5	-9.3			
"	13.5	-9.3			
"	13.5	-9.3			
"	13.2	-9.0			
LT 250	14.0	-9.8			

SOUNDINGS - NIAGARA AVE
FISHING PIER NOV. 12, 1965
℄ PROFILE

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00 =	15	+50	SOUND N. 53°20'56"W		
0+30	9:05 22.5	16.2		9:05	
0+60	23.0	16.7			
0+90	22.5	16.2		9:10	
1+20 (6.3)	22.5	16.2			
1+50	23.0	16.7		157/52	
1+80	23.0	16.7			
2+10	24.0	17.7			
2+40	25.0	18.7			
2+70	25.0	18.7			
3+00	24.5	18.2			
3+30	24.5	18.2		9:15	
3+60	24.5	18.2			
3+90	25.0	18.7			
4+04.5	24.0 / 26.0	19.7	= "Y"		

FOR SOUTH "Y" 0+00 = 3+60 ON DIST LINE

TIDES -

9:05 =	6.3	10:40 =	6.5
9:45	6.5	10:50	6.5
9:55	6.5		
10:15	6.5		
10:20	6.5		

SOUNDINGS NIAGARA AVE — 5.2
FISH. PIER — 11-12-65.
0+00 = "Y" = SOUTH "Y" SOUND 556°39'04"W

DIST SEE BELOW	SOUND	ELEV	DIST	SOUND	ELEV
0+00			2+40	28.0	21.5
9:45			2+50	27.5	21.0
				28.0	21.5
0+30	23.0	16.5		29.0	22.5
	26.0	19.5		27.5	21.0
0+50	26.0	19.5		27.5	21.0
	26.5	20.0	3+00	29.0	22.5
(6.5)	26.5	20.0		30.0	23.5
	26.0	19.5		30.0	23.5
	27.0	20.5		30.0	23.5
1+00	27.0	20.5	9:55	28.0	21.5
	26.0	19.5	3+50	30.0	23.5
	25.5	19.0		29.0	22.5
	26.0	19.5		30.0	28.5
	25.5	19.0		28.5	22.0
1+50	26.5	20.0		30.0	23.5
	26.0	19.5	4+00	30.0	
	27.0	20.5		30.0	
	26.0	19.5		30.0	23.5
	27.0	20.5		29.0	22.5
2+00	27.0	20.5		30.0	23.5
9:50	27.0	20.5	4+50	29.5	23.0
	27.5	21.0	4+60	29.5	23.0
			4+70	29.5	23.0
2+30	27.5	21.0	4+80	29.0	22.5
			4+90	29.0	22.5
			5+00	29.0	22.5

Soundings NIAGARA AVE Fishing Pier - Nov 12, 1965

0+00 = "X" Sound North "Y"

DIST	Sound	ELEV
0+00	26	
10:40	26	
	25	
	26	
	26	
0+50	26	
	25½	
	26	
	26	
	26	
	26½	
1+00	26	
	25½	
	26	
	26	
	26½	
	26	
1+50	26	
	26	
	25½	
	25½	
	26	
2+00	26½	
10:20	25½	
	25½	
	25½	

DIST	Sound	ELEV
	26	
2+50	25½	
	26	
	25½	
	25½	
	25½	
3+00	25½	

0+00 = 3+10 = Anchor

10' Pipe

Sound Niagara Ave Fishing Pier Nov 12, 1965 — Sound N. 16° 39' 04" E.,

0+00 = "X" Sound North "Y"

DIST	Sound	ELEV
0+00	26	19.5
10:40	25½	18.5
	26	19.5
	26	19.5
	26	19.5
0+50	25½	18.5
	25	18.5
(6.5)	26	19.5
	25½	19.0
	25½	19.0
1+00	25½	19.0
	26	19.5
	25	18.5
	25½	
10:45	25	
1+50	25½	18.5
	25½	19.0
	24½	18.0
	24½	18.0
	24½	18.0
2+00	25½	18.5
	25½	18.5
	25½	19.5
	24½	18.0

DIST	Sound	ELEV
	24½	18.0
2+50	24½	18.0
	25½	19.0
	25½	18.5
	25½	19.0
	24½	18.0
3+00	24½	18.0

SCALE: HORIZ: 1" = 30'

VERT: 1" = 1'

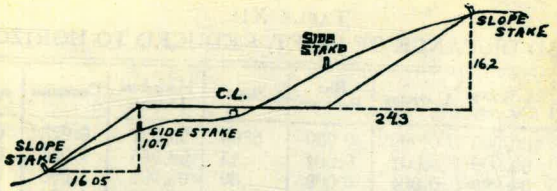
IMPROVED TABLES AND INFORMATION

HORIZONTAL STADIA CORRECTIONS

2°—00′	0.1	21°—00′	12.8	33°—00′	29.7
3°—00′	0.3	21°—30′	13.4	33°—15′	30.1
4°—00′	0.5	22°—00′	14.0	33°—30′	30.5
5°—00′	0.8	22°—30′	14.7	33°—45′	30.9
6°—00′	1.1	23°—00′	15.3	34°—00′	31.3
7°—00′	1.5	23°—30′	15.9	34°—15′	31.7
8°—00′	1.9	24°—00′	16.5	34°—30′	32.1
9°—00′	2.5	24°—30′	17.2	34°—45′	32.5
10°—00′	3.0	25°—00′	17.9	35°—00′	32.9
10°—30′	3.3	25°—30′	18.6	35°—15′	33.3
11°—00′	3.6	26°—00′	19.2	35°—30′	33.7
11°—30′	4.0	26°—30′	19.9	35°—45′	34.1
12°—00′	4.3	27°—00′	20.6	36°—00′	34.6
12°—30′	4.7	27°—30′	21.3	36°—15′	35.0
13°—00′	5.1	28°—00′	22.0	36°—30′	35.4
13°—30′	5.5	28°—30′	22.8	36°—45′	35.8
14°—00′	5.9	29°—00′	23.5	37°—00′	36.2
14°—30′	6.3	29°—30′	24.3	37°—15′	36.6
15°—00′	6.7	30°—00′	25.0	37°—30′	37.1
15°—30′	7.2	30°—15′	25.4	37°—45′	37.5
16°—00′	7.6	30°—30′	25.8	38°—00′	37.9
16°—30′	8.1	30°—45′	26.2	38°—15′	38.3
17°—00′	8.5	31°—00′	26.5	38°—30′	38.7
17°—30′	9.0	31°—15′	26.9	38°—45′	39.1
18°—00′	9.5	31°—30′	27.3	39°—00′	39.6
18°—30′	10.1	31°—45′	27.7	39°—15′	40.0
19°—00′	10.6	32°—00′	28.1	39°—30′	40.5
19°—30′	11.2	32°—15′	28.5		
20°—00′	11.7	32°—30′	28.9		
20°—30′	12.3	32°—45′	29.3		

Chains to Feet	
1	66
2	132
3	198
4	264
5	330
6	396
7	462
8	528
9	594
10	660

Feet to Chains	
100	1.515
200	3.030
300	4.545
400	6.060
500	7.575
600	9.090
700	10.606
800	12.121
900	13.636
1,000	15.151

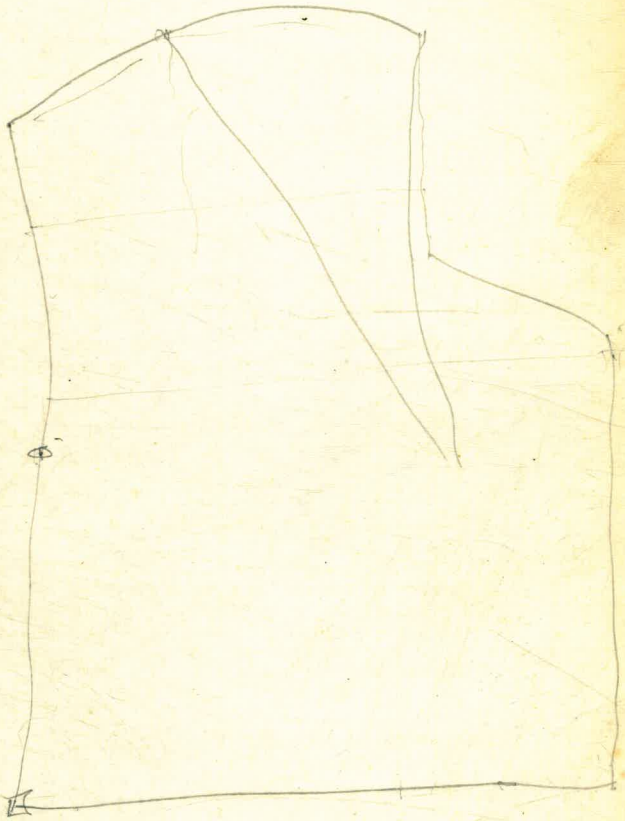


DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0 00	0 15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1 65	1 80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3 45	3.60	3 75	3.90	4.05	4.20	4 35	2
3	4.50	4 65	4.80	4.95	5.10	5 25	5 40	5.55	5.70	5.85	3
4	6.00	6 15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7 50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9 00	9 15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10 65	10.80	10.95	11.10	11.25	11.40	11.55	11 70	11.85	7
8	12.00	12 15	12.30	12.45	12.60	12.75	12.90	13 05	13.20	13.35	8
9	13 50	13.65	13 80	13 95	14.10	14.25	14.40	14 55	14.70	14.85	9
10	15.00	15 15	15 30	15 45	15.60	15.75	15.90	16.05	16.20	16 35	10
11	16 50	16 65	16 80	16.95	17 10	17.25	17.40	17.55	17.70	17.85	11
12	18 00	18.15	18.30	18 45	18.60	18 75	18.90	19.05	19.20	19.35	12
13	19 50	19 65	19.80	19.95	20.10	20.25	20 40	20.55	20.70	20.85	13
14	21.00	21 15	21.30	21.45	21 60	21.75	21.90	22 05	22 20	22 35	14
15	22 50	22 65	22 80	22 95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24 15	24 30	24 45	24.60	24.75	24 90	25 05	25.20	25.35	16
17	25.50	25 65	25.80	25 95	26.10	26 25	26 40	26.55	26.70	26.85	17
18	27.00	27 15	27.30	27 45	27.60	27.75	27.90	28.05	28 20	28.35	18
19	28 50	28 65	28 80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30 00	30 15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31 50	31 65	31.80	31.95	32 10	32 25	32.40	32.55	32 70	32 85	21
22	33 00	33 15	33 30	33 45	33.60	33 75	33.90	34.05	34.20	34.35	22
23	34 50	34 65	34.80	34.95	35.10	35 25	35 40	35.55	35.70	35 85	23
24	36.00	36 15	36.30	36 45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37 80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39 00	39 15	39.30	39 45	39 60	39.75	39.90	40.05	40.20	40.35	26
27	40 50	40 65	40 80	40.95	41.10	41.25	41 40	41.55	41.70	41.85	27
28	42 00	42 15	42.30	42.45	42.60	42 75	42.90	43.05	43.20	43.35	28
29	43 50	43 65	43.80	43 95	44.10	44 25	44 40	44.55	44.70	44 85	29
30	45 00	45 15	45.30	45 45	45.60	45.75	45.90	46.05	46 20	46.35	30
31	46.50	46.65	46.80	46 95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48 00	48.15	48.30	48 45	48.60	48 75	48.90	49.05	49 20	49.35	32
33	49.50	49 65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51 00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52 50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54 00	54.15	54.30	54 45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55 50	55 65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57 45	57.60	57.75	57.90	58.05	58.20	58 35	38
39	58 50	58.65	58 80	58.95	59.10	59 25	59.40	59 55	59.70	59.85	39
40	60 00	60.15	60 30	60 45	60 60	60.75	60 90	61.05	61 20	61.35	40
41	61.50	61 65	61 80	61 95	62 10	62 25	62.40	62 55	62 70	62.85	41
42	63 00	63.15	63 30	63 45	63 60	63 75	63 90	64 05	64 20	64.35	42
43	64.50	64 65	64 80	64.95	65.10	65 25	65 40	65.55	65.70	65.85	43
44	66 00	66 15	66 30	66.45	66.60	66 75	66.90	67.05	67.20	67.35	44
45	67 50	67 65	67 80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69 00	69 15	69 30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70 65	70 80	70 95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72 15	72.30	72.45	72.60	72.75	72.90	73 05	73.20	73 35	48
49	73 50	73 65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

Computed by L. Leland Locke.



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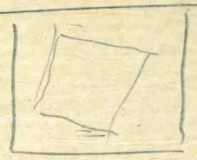

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