

MB 129

562.8  
 17.2  
 580.0

10250.2  
 69.8  
 3200  
 536.1  
 239

10 MICROFILMED

70.8  
 3300

602.8  
 27.2  
 6300

540.4  
 20.6  
 5700

589.4  
 20.6  
 610.0

616.1  
 23.9  
 6400

576.1  
 23.9  
 600.0

629.4  
 20.6  
 650.0

656.1  
 53.9  
 710.0

629.4  
 40.6  
 670.0

669.4  
 60.6  
 730.0

10696.1  
 73.9  
 770.0

682.8  
 67.2  
 750.0

709.4  
 70.6  
 780.0

722.8  
 67.2  
 790.0

749.4  
 70.6  
 820.0

736.1  
 73.9  
 810.0

762.8  
 67.2  
 830.0

776.1  
 73.9  
 8500

789.4  
 70.6  
 860.0

802.8  
 7.2  
 0.0

M. B. No 129

10385  
 45  
 430

10376  
 44  
 420

THIS BOOK INDEXED 2/9/62



N76 - 13070 - 730

75750 13110 - 690

N75 13180 - 620

7450 13210 - 590

N74 13250 - 550

7350 13280 - 520

N73 13310 - 490

72

13115.4	13146.7	13084.2
<u>94.8</u>	<u>93.3</u>	<u>95.8</u>
13,210.2	13,240.0	13,180.0
	9	
	3	

13053
<u>97</u>
13150

12930.9
<u>99.5</u>

13,030.0
<u>8</u>

13021.7
<u>98.3</u>

13,110
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800
<u>250</u>
550

13,120.0
<u>90</u>
210

12990.5
<u>99.5</u>

800
-----

13090.0
<u>9</u>

210
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800
-----

590
-----

280
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<u>520</u>
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13180
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Ref. N.B. 124 3-25-60

SOUNDINGS NWLY. AREA CABRILLO  
ISLAND MISSION BAY W.O. 64501

STA W. 88+00; 0+00 = N 14 20 0; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(0.2)	7.2	7.0
(0.2)			1+00	7.3	7.1
<u>11.25</u>				7.5	7.3
	6.0	5.8		7.4	7.2
	7.2	7.0		7.5	7.3
50	7.7	7.5		7.9	7.7
	6.8	6.6			
	7.0	6.8			
	7.1	6.9			

STA W. 89+00; 0+00 = N. 14, 20 0; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(0.2)	8.6	8.4
(0.2)				8.7	8.5
	4.5	4.3	40	8.7	8.5
	7.1	6.9			
	7.5	7.3			
50	8.0	7.8			
	8.2	8.0			
<u>138</u>	8.2	8.0			
	8.2	8.0			
	8.3	8.1			
1+00	8.4	8.2			
	8.5	8.3			

STA. W. 90+00; 0+00 = N 14 19 0; SOUND NORTH

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(0.2)	7.7	7.5
(0.2)				7.7	7.5
	3.9	3.7			
	6.4	6.2			
	7.0	6.8			
50	7.2	7.0			
	7.3	7.1			
<u>1130</u>	7.5	7.3			
	7.7	7.5			
	7.7	7.5			
1+00	7.8	7.6			

STA. W. 91+00; 0+00 = N. 14, 17 0; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(0.1)	7.7	7.6
(0.1)				7.9	7.8
	8.0	7.9			
50	8.1	8.0			
	5.5	5.4			
<u>1135</u>	7.0	6.9			
50	6.8	6.7			
	7.1	7.0			
	7.2	7.1			
	7.2	7.1			
	7.2	7.1			
1+00	7.3	7.2			
	7.3	7.2			



3-25-60

STA. W 92+00; 0+00 = N 14, 150; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+00 (0.1) 8.3 82

(0.1) 8.4 83

2.6 2.5 8.6 84

11.40 7.2 7.1 8.5 8.4

8.0 7.9 50 8.3 8.2

50 7.9 7.8 8.3 8.2

7.9 7.8

7.9 7.8

7.9 7.8

8.0 7.9

1+00 8.1 8.0

STA. W 93+00; 0+00 = N 14, 100; SOUND NORTH

0+00 (0.1) 8.4 8.3

(0.1) 8.3 8.2

8.1 8.0

11.45 5.1 5.0 50 8.9 8.8

8.1 8.0 9.0 8.9

50 9.1 9.0 9.2 9.1

9.1 9.0 9.4 9.3

9.1 9.0 90 9.5 9.4

9.0 8.9

9.0 8.9

1+00 9.2 9.1

8.8 8.7

②

STA. N 140+00; 0+00 = W 9470; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00 (0.0) 8.1 8.1

(0.0)

11.50

1.5 1.5

50 6.2 6.2

8.4 8.4

8.1 8.1

8.1 8.1

8.6 8.6

1+00 8.9 8.9

8.0 8.0

7.5 7.5

7.7 7.7

8.1 8.1

50 8.2 8.2

8.4 8.4

8.3 8.3

8.0 8.0

7.5 7.5

2+00 9.3 9.3

8.0 8.0

8.1 8.1

8.1 8.1



3-25-60

CROSS SECTIONS NWLY AREA CABRILLO  
ISLAND MISSION BAY W.O. 64501

STA. W. 88+00; 0+00 = N. 14136.10

Sta	+	H. I.	-	Elev
T.B.M.	1.68	12.90		11.22
0			1.0	11.9
N 27			0.8	12.1
N 72			6.7	6.2
N 85			12.5	0.4

STA. W. 89+00; 0+00 = N. 14,123.82

0			1.8	11.1
N 40			1.2	11.7
N 77			6.5	6.4
N 90			12.4	0.5

STA. W. 90+00; 0+00 = N. 14,111.55

0			2.0	10.9
N 45			1.2	11.7
N 81			5.8	7.1
N 95			12.2	0.7

STA. W. 91+00; 0+00 = N. 14,099.27

Sta	+	H. I.	-	Elev
0		12.90	1.6	11.3
N 36			1.4	11.5
N 80			7.7	5.2
N 94			12.6	0.3

STA. W. 92+00; 0+00 = N. 14,087

0			2.3	10.6
N 20			1.6	11.3
N 65			7.6	5.3
N 79			12.5	0.4

STA. W. 93+00; 0+00 = N. 14,022

0			1.9	11.0
N 40			1.5	11.4
N 75			5.9	7.0
N 98			12.1	0.8



3-25-60

STA. N. 140+00: 0+00 = W. 9334.63

Sta.	+	H. I.	-	Elev
0		12.90	2.0	10.9
W 77			1.3	11.6
W 100			3.0	9.9
W 140			5.7	7.2
W 167			12.3	0.6
TR			1.68	11.22 - 11.22



BENCH LEVELS SLY CABRILLO  
ISLAND & VICINITY W.O. 64501

3-29-60

Sta + H.I. - Elev

B.M. 13.96

5.61 19.57

T.P. 7.19 12.38

3.85 16.23

T.P. 3.79 12.44

3.78 16.22

T.P. 4.77 11.45

2.94 14.39

T.P. 4.79 9.60

6.86 16.46

T.P. 1.73 14.73

5.31 20.04

B.M. 3.41 16.63 16.64

0.78 17.41

CONC. MON. "AL"

T.P. 2.64 14.77

6.74 21.51

T.P. 4.02 17.49

3.77 21.26

T.P. 5.14 16.12

5.26 21.38

2" x 2" x 30" HUB (Over nite)

T.P. 4.88 16.50

3.69 20.19



CONT.

6

BENCH LEVELS 5'LY CABRILLO  
ISLAND AND VICINITY W.D. 64501

3-30-60

STA.	+ H.I. (20.19)	-	ELEV.
TBM		5.20	14.99
TBM		5.35	14.84
B.M.		3.31	16.88
T.P.		3.69	16.50
T.P.	4.68	21.18	
T.P.		5.06	16.12
T.P.	1.18	17.30	
T.P.		5.55	11.75
T.P.	3.52	15.27	
T.P.		5.50	9.77
T.P.	5.11	14.88	
T.P.		3.45	11.43
T.P.	4.77	16.20	
T.P.		5.59	10.61
T.P.	6.40	17.01	
T.P.		4.99	12.02
T.P.	5.30	17.32	
T.P.		3.09	14.23
T.P.	4.92	19.15	
B.M.		5.21	13.94-13.96
T.B.M.			14.85-ADJ.
T.P.	5.28	20.13	
B.M.		5.97	14.16

100' R.P. MON. <sup>Δ</sup> CONC. DUSTY50' R.P. MON. <sup>Δ</sup> CONC. DUSTYCONC. <sup>Δ</sup> MON. DUSTY BEFOREBEING RE-SET

CONC MON N 5200 W 13700

50' RP MON. DUSTY

MON. DUSTY RE-SET



BASELINE FOR SOUNDINGS WLY SIDE  
OF CABRILLO ISLAND No. 64501

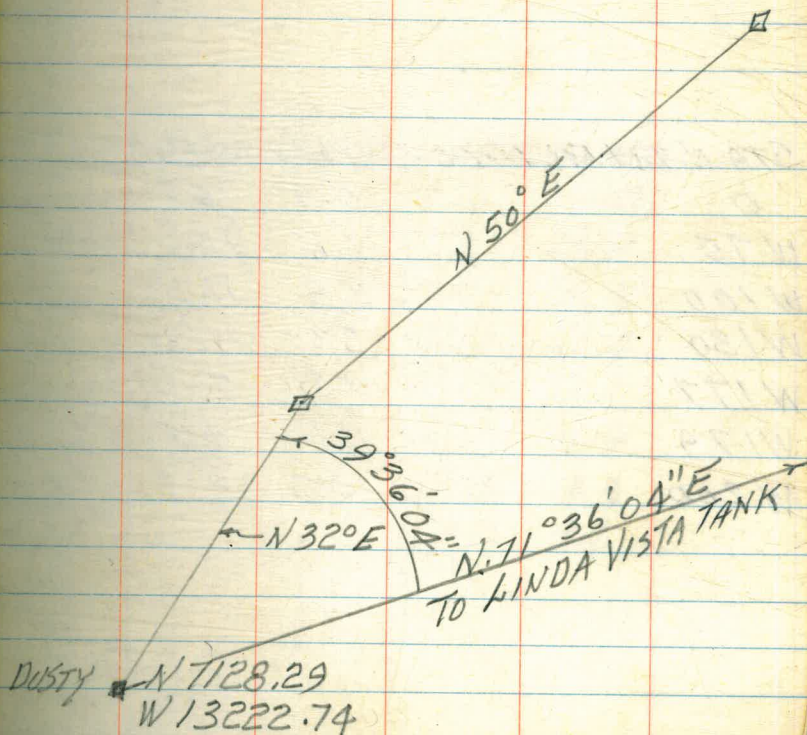
STA <sup>B/L</sup>  
DIST BEARING

N79+00 W. 12513.77	77.786	N 50°00' E
N78+50 W. 12573.36	"	"
N78+00 W. 12632.95	"	"
N77+50 W. 12692.53	"	"
N77+00 W. 12752.12	"	"
N76+50 W. 12811.71	"	"
N76+00 W. 12871.30	"	"
N75+50 W. 12930.88	77.786	N. 50°00' E
N75+00 W. 12990.47	58.96	N. 32°00' E
N74+50 W. 13021.71	"	"
N74+00 W. 13052.95	"	"
N73+50 W. 13084.20	"	"
N73+00 W. 13115.44	"	"
N72+50 W. 13146.69	58.96	"
N72+00 W. 13177.93	84.56	N. 32°00' E
N7128.29 W 13224.74		

NON. DUSTY

DUSTY

N 7128.29  
W 13222.74





3-30-60

## CROSS SECTIONS SWLY. CABRILLO ISLAND

STA. N. 72+00; 0+00 = W 13,177.93

Sta	+	H.I.	-	Elev
B.M.	2.44	16.60		14.16
0			1.4	15.2
W 54			1.9	14.7
W 100			4.7	11.9
W 160			9.7	6.9
W 180			14.2	2.4

(see p. 97)  
MON  
DUSTY

STA. N. 73+00; 0+00 = W 13115.44 (2)

Sta	+	H.I.	-	Elev
0			16.60	1.0
W 75				1.8
W 100				3.0
W 135				5.5
W 192				9.9
W 195				12.0
W 210				13.9

STA. N. 72+50; 0+00 = W. 13146.69

0		0.9	15.7
W 75		1.6	15.0
W 100		3.3	13.3
W 130		5.3	11.3
W 177		9.3	7.3
W 179		11.9	4.7
W 200		14.3	2.3

STA. N. 73+50; 0+00 = W. 13084.20

0		1.6	15.0
W 70		1.8	14.8
W 100		3.1	13.5
W 135		5.2	11.4
W 183		9.5	7.1
W 187		10.7	5.9
W 200		11.8	4.8
W 220		13.5	3.1



3-30-60

STA. N74+00; 0+00 = W 13052.95

	Sta	+ H.I.	-	Elev
5	0	16.60	1.3	15.3
7	W 65		1.5	15.1
7	W 100		3.1	13.5
	W 135		5.2	11.4
7	W 196		9.9	6.7
	W 205		12.8	3.8
7	W 235		14.2	2.4

STA. N74+50; 0+00 = W 13021.71

7	0	1.5	15.1
	W 38	1.7	14.9
7	W 100	4.7	11.9
	W 125	6.1	10.5
7	W 157	8.4	8.2
	W 165	11.0	5.6
7	W 200	13.6	3.0

STA. N75+00; W 12990.47

⑨

	Sta	+ H.I.	-	Elev
	0	16.60	2.1	14.5
	W 7		2.0	14.6
	W 80		5.1	11.5
	W 100		6.6	10.0
	W 163		10.3	6.3
	W 167		11.7	4.9
	W 200		14.0	2.6
	<del>W 257</del>			

STA. N. 75+50; 0+00 = W 12930.88

	0	1.9	14.7
	W 70	5.4	11.2
	W 100	7.0	9.6
	W 151	9.4	7.2
	W 154	10.6	6.0
	W 172	11.7	4.9
	W 200	13.6	3.0



3-30-60

STA. N. 76+00; 0+00 = W. 12871.30

Sta	+ H.1	-	Elev
0	16.60	1.8	14.8
E 5		1.6	15.0
W 60		5.1	11.5
W 100		6.9	9.7
W 155		10.0	6.6
W 200		12.9	3.7
W 216		13.4	3.2
B.M.	2.44		14.16

3-31-60

STA. N. 72+00; 0+00 = W. 13,350; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(32)	10.1	6.9
	0.8	+2.4	50	10.0	6.8
(32)	2.9	+0.3		9.8	6.6
	8.3	5.1		9.8	6.6
<u>11.07</u>	10.1	6.9		9.8	6.6
50	10.6	7.4		10.3	7.1
	11.0	7.8	3+00	10.5	7.3
	11.1	7.9		10.4	7.2
	11.1	7.9		10.5	7.3
	11.1	7.9	<u>11.10</u>	10.6	7.4
1+00	11.0	7.8		10.8	7.6
	10.9	7.7	50	10.9	7.7
	10.5	7.3		10.9	7.7
	10.3	7.1		10.8	7.6
	10.3	7.1		10.8	7.6
50	10.3	7.1		10.9	7.7
	10.4	7.2	4+00	10.8	7.6
	10.6	7.4		10.7	7.5
	10.7	7.5		10.7	7.5
	10.6	7.4		10.7	7.5
2+00	10.4	7.2		10.4	7.2
	10.3	7.1	50	10.3	7.1
	10.3	7.1			
	10.2	7.0			



3-31-60

STA. N72+50; 0+00=W13.330; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(32)	11.0	
(32)			50	10.9	
	1.1			10.8	
11.15	1.7			10.7	O.K.
	7.4			10.6	
50	10.0			10.5	
	10.4		3+00	10.3	
	10.9			9.9	6.7
	10.9			10.2	
	10.9			10.7	
1+00	10.9			10.7	
	10.9		50	10.7	
	11.0			10.6	
	10.6			10.6	
	10.5			10.9	
50	10.7			10.9	O.K.
	11.0		4+00	10.9	
	10.9			10.9	
	10.9			11.0	
	10.9			11.2	
2+00	11.0			11.1	
	10.8		50	11.0	
	10.9			11.0	
	10.9		70	10.8	

①

STA. N73+00; 0+00=W13.310; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(33)	11.0	
(33)			50	11.0	
	0.2			11.0	
	0.9			11.0	
11.22	1.5			11.0	O.K.
	2.4			10.8	
50	7.8			10.8	
	9.9		3+00	10.5	
	10.4			10.3	
	10.7		11.25	10.2	6.9
	10.7			9.9	6.6
1+00	10.8			9.5	6.2
	10.9		50	9.4	6.1
	11.0			9.7	6.4
	11.0			10.2	6.9
	11.0			10.9	
50	11.0			10.8	
	11.1		4+00	10.9	
	10.9			11.0	
	11.0			11.0	
	10.9			11.0	O.K.
2+00	11.0			11.1	
	10.9		50	11.1	
	11.0			11.2	
	10.9			11.3	
	10.9		90	11.3	
				11.2	



3-31-60

STA. N. 73+50, 0+00=W. 13,280, SOUND WEST

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(33)	11.0	
(33)			50	11.0	
				11.0	
11.30	0.4			11.0	
	1.5			11.0	
50	2.6			10.9	
	4.0		3+00	10.9	
	9.5			10.7	
	10.4			10.5	
	11.0			10.6	
1+00	11.2			10.3	
	11.1		50	10.3	
	11.1			10.0	6.7
	11.0			9.9	6.6
	11.0			9.7	6.4
50	11.0			9.8	6.5
	11.0		4+00	9.7	6.4
	11.0			10.1	6.8
	11.0			10.5	
	10.9			10.9	
2+00	10.9			10.6	
	11.0		50	10.7	
	10.9			10.7	
	10.9			10.6	

STA. N. 73+50 - WEST

Dist Sound Elev

Dist	Sound	Elev
(33)	10.8	
	10.9	
5+00	11.0	
	11.1	
20	11.0	

(12)



3-31-60

STA. N. 74+00; 0+00 = W/13,250; SOUND WEST

DIST SOUND ELEV DIST SOUND ELEV

0+00 (34) 10.9 7.5

(34) 50 10.9 7.5

10.9 7.5

11:40 0.8 +2.6 10.8 7.4

1.3 +2.1 10.8 7.4

50 1.8 +1.6 10.9 7.5

3.3 +0.1 3+00 11.0 7.6

7.6 4.2 11.0 7.6

9.7 6.3 11.0 7.6

10.3 6.9 11.1 7.7

1+00 10.7 7.3 11.0 7.6

11.1 7.7 50 11.0 7.6

11.9 8.5 10.9 7.5

11.5 8.1 10.9 7.5

11.0 7.6 10.8 7.4

50 10.9 7.5 10.7 7.3

10.9 7.5 4+00 10.4 7.0

10.9 7.5 10.1 6.7

10.9 7.5 9.9 6.5

10.9 7.5 10.0 6.6

2+00 11.0 7.6 9.2 5.8

11.0 7.6 50 9.4 6.0

11.0 7.6 9.3 5.9

10.9 7.5 10.3 6.9

STAN. 74+00 - WEST

DIST SOUND ELEV

(34) 10.2 6.8

10.6 7.2

5+00 10.4 7.0

10.3 6.9

10.3 6.9

10.5 7.1

10.7 7.3

50 10.8 7.4



3-31-60

STA. N. 74+50; 0+00 = W 13, 210; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(34)	10.4	7.0
(34)			50	10.3	6.9
	0.7			10.1	6.7
<u>11:45</u>	1.0			10.0	6.6
	2.0			10.0	6.6
50	3.1			10.0	6.6
	3.1		3+00	9.9	6.5
	5.3			10.3	6.9
	8.1			10.9	
	8.1			11.1	
1+00	9.2			10.7	
	10.6		50	10.8	
	11.0			10.6	
	11.0			10.8	
	11.1			10.8	
50	11.2			10.8	
	11.3		4+00	10.8	
	11.1			10.8	
	11.1		11:50	10.6	
	11.6			10.7	
2+00	11.3			10.7	
	11.2		50	10.8	
	11.0			10.7	
	10.5			10.4	

STA. N. 74+50 - WEST

Dist	Sound	Elev
(34)	10.2	6.8
	10.1	6.7
5+00	9.8	6.4
	9.8	6.4
	9.5	6.1
	10.1	6.7
	10.1	6.7
50	10.1	6.7
	10.1	6.7
	10.2	6.8
	10.4	7.0
90	10.5	7.1

(14)



3-31-60

STA. N. 75+00: 0+00 = W. 13180: SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3A)	11.2	
(3A)			50	11.1	
	1.2			11.0	
<u>11:55</u>	2.5			10.9	
	2.6			11.2	
50	3.0			11.1	
	6.7		3+00	11.1	
	9.1			11.0	
	10.1		<u>12:00</u>	10.8	
	11.0			10.8	
1+00	11.2			10.3	6.9
	11.3		50	10.5	
	11.3			10.7	
	11.0			10.6	
	10.6			10.7	
50	10.8			11.0	
	10.6		x' 4+00	11.0	
	10.9			11.0	
	11.0			10.9	
	10.9			11.0	
2+00	11.0			11.0	
	11.1		50	11.0	
	11.0			11.0	
	11.2			11.1	

STA. N. 75+00 - WEST

Dist	Sound	Elev
(3A)	11.1	
	11.1	
5+00	10.9	x'
	11.0	0'
	10.6	
	10.4	
	10.2	6.8
50	10.4	
	10.7	
	10.7	
	10.8	
	10.7	0'
6+00	10.9	
	11.0	
20	11.1	



3-31-60

STA. N. 75+50 - WEST

(16)

57A. N. 75+50, 0+00 = W/3, 110. SOUND WEST DIST SOUND ELEV

DIST	SOUND	ELEV	DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00			(34)	11.8		(34)	11.2	
(34)			50	11.8		5+00	11.0	
				11.9			11.1	
12:07	0.6			12.0			11.1	
	1.5			11.9		12:15	11.0	
50	1.7			11.9			11.2	
	2.3		3+00	11.7		50	11.3	OK
	4.8			11.7			11.2	
	6.5			11.7			11.1	
	8.1			11.4			11.0	
1+00	9.2			11.5			11.5	
	9.8		50	11.3	OK	6+00	11.0	
	10.0			11.3			10.7	
	10.0			11.1			10.4	
	10.1			11.2			10.1	6.7
50	10.1			11.0			10.3	6.9
	10.3		4+00	11.1		50	11.1	
12:10	10.6			10.9			11.3	
	10.6			10.7			11.9	OK
	11.8			11.0			11.2	
2+00	11.8			11.1		90	11.5	
	11.9	OK	50	11.1				
	11.7			11.2				
	11.7			11.3				



3-31-60

STA. N. 76+00 - WEST

②

STA. N. 76+00; 0+00 = W/3,070; SOUND WEST			DIST SOUND ELEV			DIST SOUND ELEV		
DIST	SOUND	ELEV	DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00			(34)	10.3	6.9	(34)	11.2	7.8
			50	10.4	7.0	30	10.9	7.5
				10.5	7.1			
12:20	1.4	+2.0		10.7	7.3			
	5.2	1.8		10.5	7.1			
50	8.1	4.7		10.8	7.4			
	10.3	6.9	3+00	11.0	7.6	50	11.0	7.6
	11.3	7.9		11.1	7.7			
	11.4	8.0		11.2	7.8			
	11.2	7.8		11.3	7.9			
1+00	10.5	7.1		11.3	7.9			
	10.5	7.1	50	11.5	8.1	6+00	10.9	7.5
	10.6	7.2		11.4	8.0			
	10.4	7.0		11.7	8.3			
	10.5	7.1		11.5	8.1			
50	10.5	7.1		11.5	8.1			
	10.5	7.1	4+00	11.3	7.9	50	11.4	8.0
	10.7	7.3		11.3	7.9			
	10.9	7.5	12:25	11.2	7.8	12:30	10.9	7.5
	10.9	7.5		11.2	7.8			
2+00	10.8	7.4		11.3	7.9			
	10.7	7.3	50	10.9	7.5	7+00	10.2	6.8
	10.5	7.1		10.9	7.5			
	10.4	7.0		10.8	7.4			



## CHECK ON SHOAL REMOVAL PEREZ COVE

4-01-60

(18)

STA. W. 132+00; 0+00 = N 6,060; SOUND NORTH

STA. W. 133+00; 0+00 = N 6,000; SOUND NORTH

Dist Sound Elev Dist Sound Elev

Dist Sound Elev Dist Sound Elev

5+90	10.1	(29)	10.7
6+00	10.0	7+00	10.9
(29)	9.9		11.1
	9.8		11.3
<u>11.23</u>	9.7		11.7
	9.6		11.9
50	9.6	50	11.9
	9.5		
	9.3		
80	8.8		

6+50	10.2	50	9.8
(30)	10.3	(30)	10.0
	10.3		10.2
11.45	10.0		10.2
	9.9		10.2
7+00	9.9	8+00	10.3
	10.0		
	10.1		
	9.9		
40	10.0		

STA. W. 132+50; 0+00 = N 6,030; SOUND NORTH

STA. W. 133+50; 0+00 = N 5,970; SOUND NORTH

6+70	10.2
(30)	9.9
<u>11.35</u>	8.5
7+00	8.8
	9.1
	9.3
	9.9
	10.0
50	10.2
	10.1
70	10.3

6+80	10.9	(31)	10.9
(31)	10.7		11.0
7+00	10.3	8+30	10.9
	10.0	9+80	11.4
	10.0		11.2
<u>11.55</u>	9.4	10+00	11.0
	9.4		10.8
50	9.7		10.2
	10.1		9.8
	10.1		9.8
	10.5		9.7
	10.9		9.6
			9.7
			9.7
			9.5
			9.2
			8.3
8+00	11.0		8.0
			7.5

COMING UP SLOPE 50



4-01-60

STA. W. 134+00; 0+00 = N 5920; SOUND NORTH

Dist Sound Elev Dist Sound Elev

6+30 10.5 11+00 10.7

32 10.4 32 10.5

50 10.1 10.3

10.3 10.5

11.25 10.3 10.3

10.1 10.2

10.0 10.0

7+00 10.1 9.9

10.2 9.8

10.5

10.2

10.0

50 10.2

10.6

10.5

80 10.4

10+30 11.1

10.9

50 10.7

10.4

11.30 10.9

10.0

10.7

ON  
SLOPE

50

11+80

(19)

STA. W. 134+50; 0+00 = N 5890; SOUND NORTH

Dist Sound Elev Dist Sound Elev

6+80 11.0 32 9.832 11.0 10.0

11.0 10.1

50 11.0 10.3

11.40 11.0 9+00 10.3

10.9 10.1

11.0 10.1

10.9 10.2

7+00 10.8 10.0

11.0 50 10.0

10.5 10.1

10.1

10.1 11.45 10.1

50 9.8 10.3

9.8 10+00 10.6

9.4 10.8

9.3 11.0

9.3 10.8

8+00 9.3 10.9

9.3 50 10.9

9.2 10.9

9.6 10+70 10.5

9.7

50 9.7



4-01-60

STA. W/135+00; 0+00 = N 5880; SOUND NORTH

Dist Sound Elev. Dist Sound Elev

10+20 10.9

(3) 10.8

10.7

50 9.9

9.1

2+40 9.7

9.2

9.1

11+00 9.1

(3) 9.5

9.6

9.8

9.9

50 9.9

10.0

11+70 10.1

10.2

STA. W/135+50; 0+00 = N 5840; SOUND NORTH

12+10 11.0

(3) 11.0

10.8

2+50 10.2

50 10.0

10.2

10.3

10.4

10.3

13+00 10.5

10 10.6

10.5

(20)

STA. W/136+00; 0+00 = N 5850; SOUND NORTH

Dist Sound Elev. Dist Sound Elev

0+50 11.3

(30) 11.3

11.3

3+00 11.5

11.0

1+00 9.1

11.2

11.1

10.9

11.0

50 11.0

10.9

10.2

9.8

9.7

2+00 9.5

9.3

9.5

9.7

10.2

50 10.5

10.4

10.6



4-01-60

STA. W/38+00; 0+00 = N 5,760; SOUND NORTH

Dist Sound Elev Dist Sound Elev

1+40	12.3	(3.0)	9.8
50	11.9		9.9
(3.0)	11.1	14+00	9.9
	10.7		10.0
3+10	10.1	19+00	11.3
	9.8		11.3
2+00	10.2		11.3
	10.2	3+20	11.6
	10.2		12.0
	10.3	50	12.0
40	10.1		
12+40	11.2		
50	11.3		
(3.0)	11.2		
	11.2		
3+15	10.3		
	10.2		
13+00	10.3		
	10.2		
	9.9		
	10.0		
	9.7		
50	9.7		
	9.7		

(2)

STA. W/39+00; 0+00 = N 5770; SOUND NORTH

Dist Sound Elev Dist Sound Elev

15+30	10.2
(2.9)	9.8
50	9.7
	9.8
3+30	9.9
	9.9
	9.7
16+00	9.3
	9.3
	9.0
	9.1
	9.6
50	9.1
	9.1
	10.0
	9.4
	10.0
17+00	10.1
	10.2
	10.2
30	10.5



4-01-60

STA. W. 140+00; 0+00 = N 5780; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
17+20		11.0			
(28)		10.5			
		10.9			
50		10.7			
31.45		10.3			
		10.9			
		10.0			
		9.1			
18+00		9.2			
		9.9			
		10.9			
		11.3			
		12.4			
50		12.6			
		13.0			
70		12.8			

4-21-60

SOUNDINGS ROSE CREEK AREA AFTER DREDGING (FOR B/L See M/B No 106)

STA. N 152+00; 0+00 = W. 9870; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
		12.1			10.5
		12.1			10.5
		11.9			10.3
		11.9			10.3
		11.2			9.6
		13.4			11.8
		13.7			12.1
		13.1			11.5
2110	0.3	+1.3			
	0.9	+0.7	3+00		
	1.0	+0.6			
1+00	1.5	+0.1			
	1.9	0.3			
	3.2	1.6			
	7.8	6.2	50		
	8.9	7.3			
50	10.2	8.6			
	11.9	10.3			
	12.7	11.1			
	12.7	11.1	4+00		
	12.7	11.1			
2+00	12.3	10.7			
	12.3	10.7			



STA. N. 152+00 - WEST

Dist	Sound	Elev	Dist	Sound	Elev
(1.7)	13.2	11.5	(1.8)	11.9	10.1
50	13.1	11.4	7+00	11.9	10.1
	13.1	11.4		12.1	10.3
2:15	12.7	11.0		11.8	10.0
—	12.6	10.9		12.0	10.2
	12.7	11.0		12.0	10.2
5+00	12.4	10.7	50	12.0	10.2
	12.2	10.5		12.0	10.2
	12.1	10.4		12.1	10.3
	12.0	10.3		12.0	10.2
	11.9	10.2		11.9	10.1
50	11.9	10.2	8+00	11.8	10.0
	11.3	9.6		11.7	9.9
	12.0	10.3		11.6	9.8
	13.3	11.6	2:20	11.2	9.4
	13.0	11.3	—	11.0	9.2
6+00	13.0	11.3	50	10.5	8.7
	12.9	11.2		7.4	5.6
	12.8	11.1		7.2	4.6
	12.7	11.0			
	12.7	11.0			
50	12.5	10.8	9+00		
	12.4	10.7			
	12.3	10.6			
	12.0	10.3			

4-21-60

(23)

STAN. 152+50; 0+00 = N. 9970 ; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(1.5)	12.2	10.7
			50	11.8	10.3
				11.7	10.2
				11.5	10.0
				11.4	9.9
50	0.2	+1.3		11.3	9.8
	0.8	+0.7	3+00	11.2	9.7
2:00	1.1	+0.4		11.2	9.7
—	1.9	0.4		11.2	9.7
	6.5	5.0		11.2	9.7
7+00	8.0	6.5		11.3	9.8
	10.1	8.6	50	11.5	10.0
	12.0	10.5		11.5	10.0
	12.7	11.2		11.4	9.9
	12.7	11.2		11.3	9.8
50	12.7	11.2		11.4	9.9
	12.6	11.1	4+00	11.5	10.0
	12.3	10.8		11.3	9.8
	12.5	11.0		11.3	9.8
	13.0	11.5		11.2	9.7
2+00	12.7	11.2		11.1	9.6
	12.5	11.0	50	11.1	9.6
	12.3	10.8		11.0	9.5
	12.4	10.9		10.5	9.0



STA. N. 152+50 - WEST

4-21-60

Dist	Sound	Elev	Dist	Sound	Elev
(1.5)	11.0	9.5	(1.5)	11.0	9.5
	12.8	11.3		10.9	9.4
(5+00)	13.0	11.5	50	10.2	8.7
	12.5	11.0		11.4	9.9
	12.3	10.8		12.0	10.5
	12.2	10.7		11.3	9.8
	12.0	10.5		10.5	9.0
50	12.0	10.5	8+00	7.4	5.9
	11.9	10.4		1.3	+0.2
	11.8	10.3			
	11.9	10.4			
	11.7	10.2			
6+00	11.5	10.0	50		
	11.4	9.9			
	11.3	9.8			
	11.5	10.0			
	11.7	10.2			
50	11.8	10.3	9+00		
21.05	11.8	10.3			
-	11.3	9.8			
	11.1	9.6			
	11.0	9.5			
7+00	11.1	9.6			
	11.0	9.5			
	11.1	9.6			

STA. N. 153+00; 0+00 = W. 10,030; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(1.3)	11.6	10.3
			50	11.3	10.0
				11.5	10.2
				11.4	10.1
				11.4	10.1
			50	11.7	10.4
	0.3	+1.0	3+00	11.6	10.3
	1.0	+0.3		11.3	10.0
	1.8	0.5		11.5	10.2
	2.4	1.1		11.5	10.2
1+00	7.8	6.5		11.4	10.1
	9.1	7.3	50	11.4	10.1
	10.3	9.0		11.4	10.1
	10.8	9.5		11.6	10.3
	11.1	9.8		11.6	10.3
50	12.3	11.0		11.3	10.0
	12.7	11.4	4+00	11.0	9.7
	12.8	11.5		11.0	9.7
	13.0	11.7		10.9	9.6
	12.9	11.6		10.7	9.4
2+00	12.1	10.8		10.4	9.1
	11.7	10.4	50	11.3	10.0
	11.7	10.4		12.0	10.7
	11.6	10.3		11.9	10.6



STA. N. 153+00 - WEST

DIST	Sound	Elev	DIST	Sound	Elev
(13)	11.8	10.5	(13)	11.2	9.9
	11.3	10.0		10.9	9.6
5+00	11.3	10.0	50	10.2	8.9
	11.5	10.2		9.5	8.2
11.50	12.1	10.8		7.7	6.4
<u>      </u>	11.9	10.6		1.1	+0.2
	11.3	10.0			
50	11.3	10.0	2+00		
	11.2	9.9			
	11.2	9.9			
	11.3	10.0			
	11.7	10.4			
6+00	12.0	10.7			
	12.1	10.8			
	12.1	10.8			
	11.8	10.5			
	11.8	10.5			
50	11.8	10.5			
	11.8	10.5			
	11.9	10.6			
	11.3	10.0			
	11.6	10.3			
7+00	11.6	10.3			
	11.1	9.8			
	11.0	9.7			

4-21-60

(25)

STA. N. 153+50; 0+00 - W. 10,100; SOUND WEST

DIST	Sound	Elev	DIST	Sound	Elev
0+00			(12)	10.9	9.7
			50	10.8	9.6
				10.4	9.2
				10.5	9.3
				10.6	9.4
				10.6	9.4
				2.2	1.0
				3.6	2.4
				8.2	7.0
				9.1	7.9
			1+00	10.3	9.1
				10.5	9.3
				10.6	9.4
				10.7	9.5
				11.0	9.8
			50	11.1	9.9
				11.0	9.8
				10.9	9.7
				10.8	9.6
			2+00	11.0	9.8
				10.9	9.7
				11.0	9.8
				11.0	9.8
				10.9	9.7
				10.9	9.7



5TA. N/53+50 - WEST 4-21-60

	Dist	Sound	Elev	Dist	Sound	Elev
(72)	10.8	9.6		(12)	9.0	7.8
	10.9	9.7		40	2.7	1.5
5+00	10.6	9.4				
	10.3	9.1				
	10.2	9.0				
	10.1	8.9				
	10.0	8.8				
50	10.1	8.9				
	10.3	9.1				
	10.4	9.2				
	11.0	9.8				
	10.9	9.7				
6+00	10.5	9.3				
	10.0	8.8				
	9.7	8.5				
<u>1140</u>	9.3	8.1				
	9.5	8.3				
50	9.9	8.7				
	10.1	8.9				
	9.8	8.6				
	9.5	8.3				
	9.2	8.0				
7+00	9.2	8.0				
	9.2	8.0				
	9.7	8.5				

4-20-60

(26)

5TA. N. 154+00; 0400 = W. 10, 150; SOUND WEST

	Dist	Sound	Elev	Dist	Sound	Elev
0+00				(28)	12.6	9.8
(28)	0.4	+2.4		50	12.6	9.8
	1.2	+1.6			12.5	9.7
<u>2150</u>	2.2	+0.6			12.4	9.6
	3.1	0.3			12.3	9.5
50	4.3	1.5			12.1	9.3
	7.9	5.1		3+00	12.0	9.2
	10.1	7.3			12.1	9.3
	12.2	9.4			12.0	9.2
	12.5	9.7			12.0	9.2
1+00	12.4	9.6			12.0	9.2
	12.5	9.7		50	11.9	9.1
	13.0	10.2			11.6	8.8
	13.0	10.2			11.4	8.6
	12.8	10.0			11.9	9.1
50	12.1	9.3			12.7	9.9
	12.5	9.7		4+00	12.8	10.0
	12.2	9.4			12.9	10.1
	12.3	9.5			12.7	9.9
	12.2	9.4			12.3	9.5
2+00	12.2	9.4			12.2	9.4
	12.2	9.4		50	12.2	9.4
	12.3	9.5			12.1	9.3
	12.3	9.5			12.1	9.3



STA. N. 154+00-WEST

Dist	Sound	Elev
(29)	12.0	9.1
	11.9	9.0
5+00	11.8	8.9
	11.8	8.9
	11.8	8.9
	11.9	9.0
	12.0	9.1
50	12.2	9.3
	12.0	9.1
	11.9	9.0
	11.4	8.5
	11.0	8.1
6+00	10.9	8.0
	10.9	8.0
	11.0	8.1
255	11.0	8.1
	11.2	8.3
50	11.7	8.8
	12.0	9.1
	12.1	9.2
	12.1	9.2
	12.1	9.2
7+00	11.2	8.3
	8.0	5.1
	2.4	+0.5

4-20-60

(27)

STA. N. 154+50 to 100 = W. 10, 180 ; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(27)	11.1	8.4
(2.7)			50	11.4	8.7
	0.5	+2.2		11.3	8.6
	1.2	+1.5		11.5	8.8
240	2.2	+0.5		11.2	8.5
50	3.2	0.5		11.3	8.6
	3.9	1.2	3+00	11.4	8.7
	5.5	2.8		11.5	8.8
	10.1	7.4		11.4	8.7
	11.1	8.4		11.1	8.4
1+00	11.8	9.1		11.2	8.5
	12.1	9.4	50	11.3	8.6
	12.0	9.3		11.6	8.9
	12.0	9.3		11.7	9.0
	11.9	9.2		12.9	10.2
50	11.8	9.1		13.0	10.3
	12.0	9.3	4+00	13.0	10.3
	11.5	8.8		12.9	10.2
	11.2	8.5		12.3	9.6
	11.1	8.4		12.1	9.4
2+00	11.1	8.4		12.0	9.3
	11.0	8.3	50	12.0	9.3
	11.0	8.3		12.0	9.3
	11.1	8.4		11.8	9.1



STA. N. 154+50 - WEST

	DIST	SOUND	ELEV	DIST	SOUND	ELEV
(27)	11.8	9.1				
	11.8	9.1				
5+00	11.7	9.0				
	11.6	8.9				
	11.6	8.9				
245	11.6	8.9				
	11.7	9.0				
50	11.4	8.7				
	11.1	8.4				
	11.1	8.4				
	11.5	8.8				
	11.8	9.1				
6+00	11.9	9.2				
	11.8	9.1				
	11.9	9.2				
	11.9	9.2				
	11.8	9.1				
50	11.5	8.8				
	11.3	8.6				
	11.2	8.5				
	11.2	8.5				
	10.7	8.0				
7+00	3.9	1.2				
	1.5	1.2				

4-20-60

(28)

STA. N. 155+00; 0+00 = N. 10, 210; SOUND WEST

	DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00	(23)	11.6	9.1			
(24)	50	11.8	9.3			
	0.4	+2.0			11.7	9.2
2+27	1.5	+0.9			11.8	9.3
	3.0	0.6			11.9	9.4
50	3.6	1.2			11.9	9.4
	3.7	1.3		3+00	12.0	9.5
	4.7	2.3			12.1	9.6
	9.4	6.9			12.1	9.6
2+30	10.1	7.6			12.1	9.6
1+00	10.2	7.7			12.2	9.7
(25)	10.6	8.1		50	12.2	9.7
	10.8	8.3			12.2	9.7
	11.2	8.7			12.2	9.7
	11.2	8.7			12.3	9.8
50	11.2	8.7			13.2	10.7
	11.1	8.6		4+00	13.2	10.7
	11.1	8.6			13.2	10.7
	11.2	8.7			13.0	10.5
	11.2	8.7			13.0	10.5
2+00	11.2	8.7			12.9	10.4
	11.1	8.6		50	12.9	10.4
	11.1	8.6			12.6	10.1
	11.1	8.6			12.5	10.0



STA. N. 155+00 - WEST.

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(2.6)	12.5	9.9			
	12.9	10.3			
5+00	12.7	10.1	50		
	12.5	9.9			
	12.0	9.4			
	11.3	8.7			
	11.2	8.6			
50	11.1	8.5			
	11.0	8.4			
235	10.9	8.3			
	10.5	7.9			
	11.1	8.5			
6+00	11.2	8.6			
	11.2				
	11.2				
	11.2				
	11.0	8.4			
50	11.4	8.8			
	11.4	8.8			
	11.3	8.7			
	11.2	8.6			
	2.5	+0.1			

7+00

4-20-60

(29)

STA. N. 155+50; 0+100 = W. 10, 240; SOUND WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00			(23)	12.0	
(2.3)			50	12.0	
	0.9			12.0	
	2.2			12.0	
218	2.8			12.1	
50	3.2			12.0	
	2.2		3+00	11.6	
	3.8			11.7	
	11.1			11.8	
	11.3			11.9	
1+00	12.0			12.0	
	12.0		50	12.0	
	11.9			12.3	
	11.9			13.1	
	12.0		220	13.1	
50	12.0			13.1	
	11.9		4+00	13.0	
	11.9			12.7	
	11.9			12.7	
	11.9			12.6	
2+00	11.9			12.5	
	11.9		50	12.5	
	12.0			12.5	
	12.0			11.9	

O.K.

O.K.



STATION 155+50-WEST

Dist Sound Elev Dist Sound Elev

(23)	11.5
	11.2
5+00	11.1
	11.1
	11.1
	10.6
	10.1
50	10.3
	11.0
	11.0
	11.1
	11.0
6+00	11.0
	11.0
	11.0
	11.0
	11.3
50	11.6
	11.3
	8.9
	3.1

7+00

4-20-60

(30)

STATION 156+00.0-400=W. 10,270 SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00			(21)	11.9	9.8
(20)	0.6	+1.4	50	11.9	9.8
	2.2	0.2		11.8	9.7
<del>207</del>	3.1	1.1		11.9	9.8
	4.0	2.0		11.8	9.7
50	9.8	7.8		11.8	9.7
	11.1	9.1	3+00	11.9	9.8
	11.9	9.9		11.5	9.4
	11.8	9.8		11.4	9.3
	11.7	9.7		11.3	9.2
1+00	11.6	9.6		11.5	9.4
	11.7	9.7	50	11.9	9.8
	11.8	9.8		12.1	10.0
	11.7	9.7		12.4	10.3
	11.7	9.7		12.7	10.6
50	11.8	9.8		12.8	10.7
	11.9	9.9	4+00	12.4	10.3
	11.8	9.8		12.2	10.1
	11.9	9.9		12.1	10.0
	12.0	10.0		11.9	9.8
2+00	12.0	10.0		11.4	9.3
	12.0	10.0	50	11.4	9.3
	12.2	10.2		11.1	9.0
	12.0	10.0		11.1	9.0



STA. N 156+00 - WEST

4-20-60

Dist Sound Elev Dist Sound Elev

STA. N. 156+50; 0+00 = W. 10,290; SOUND WEST

(21) 10.9 8.8

Dist Sound Elev Dist Sound Elev

10.7 8.6

0+00 (17) 11.1

5+00 10.5 8.4

50 11.1

10.5 8.4

1.0 +0.7 11.1

2:12 10.1 8.0

2.2 0.5 11.1

10.5 8.4

1:43 2.6 0.9 11.7

10.8 8.7

6.7 5.0 11.45 11.7

50 10.7 8.6

50 8.5 6.8 11.6

11.0 8.9

11.1 9.4 3+00 11.8

11.2 9.1

11.2 9.5 11.8

11.2 9.1

11.2 9.5 11.8

11.1 9.0

12.0 10.3 12.1

6+00 11.1 9.0

1+00 11.5 9.8 12.0

11.3 9.2

11.6 9.9 50 11.6

5.5 3.4

11.7 10.0 11.9

1.7 +0.4

11.7 10.0 11.9

50

11.8 10.1 11.3

50 11.6 11.1

11.5 10.8 4+00 10.8

11.7 10.8

11.7 10.5

11.8 10.2

2+00 11.5 10.1

11.9 10.1 50 10.1

11.4 9.9

11.2 10.3

7+00

OK

OK



STA. N. 156+50 - WEST

DIST	Sound	Elev
(18)	11.5	}
	10.9	
5+00	11.0	
	10.7	
	10.5	
<u>11.50</u>	11.0	}
<u>    </u>	8.1	
50	4.4	
	1.4	

6+00

50

7+00

4-20-60

STA. N. 157+00; 0+00 = W. 10,300			SOUND WEST		
DIST	Sound	Elev	DIST	Sound	Elev
0+00			(15)	11.2	
(15)			50	11.9	}
	0.4			11.7	
	1.8			11.7	
<u>11.33</u>	2.5			11.6	
50	5.1			11.8	
	10.2	}	3+00	11.8	}
	10.9				
	10.5				
	11.5				
1+00	11.5				
	11.6	}	50	10.4	
	11.3				
	11.3				
	11.4				
50	11.4				
	11.5	}	4+00	12.0	
<u>11.35</u>	11.4				
<u>    </u>	11.4				
	11.4				
2+00	11.2				
	11.2	}	50	11.2	
	11.2				
	11.2				
	11.3				
					9.9
				7.7	

OK

OK



STA. N. 157+00 - WEST

DIST SOUND ELEV DIST SOUND ELEV

(13) 2.2

5+00

50

6+00

50

7+00

4-20-60

STA. N. 157+50; 0+00 = W. 10,310; SOUND WEST

DIST SOUND ELEV DIST SOUND ELEV

0+00

(13)

1125

50

1+00

50

2+00

(1.3)

50

3+00

50

4+00

50

1.4

2.8

4.9

8.9

10.9

11.3

11.3

11.3

11.5

11.4

11.4

11.4

11.3

11.4

11.6

11.6

11.7

11.2

11.2

11.1

10.8

10.6

10.9

10.8

10.3

10.1

10.1

10.2

10.2

10.5

10.4

10.7

11.2

12.9

12.4

12.5

12.3

11.9

11.2

9.4

5.0

O.K.

K.  
D.







4-20-60

STA. N. 159+00; CHD = W. 10,340; SOUND WEST

STA. N. 159+50; CHD = W. 10,350; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(08)	11.0	10.2
(08)			50	11.0	10.2
				10.9	10.1
<u>10:30</u>	1.0	0.2		10.9	10.1
	9.9	9.1		10.5	9.7
50	11.4	10.6		10.0	9.2
	11.9	11.1	3+00	6.4	5.6
	11.8	11.0		1.5	0.7
	11.5	10.7			
	11.8	11.0			
1+00	11.5	10.7			
	11.2	10.4			
	11.2	10.4			
	11.2	10.4			
	11.0	10.2			
50	10.7	9.9			
	10.9	10.1			
	10.7	9.9			
	10.6	9.8			
	10.5	9.7			
2+00	10.7	9.9			
	10.8	10.0			
	10.8	10.0			
	10.9	10.1			

Dist	Sound	Elev	Dist	Sound	Elev
0+00			0+00		10.4
			50	10.2	
(08)				9.9	
				9.0	
			<u>10:37</u>	4.1	
				9.2	
			50	11.1	
				11.5	
				11.4	
				10.9	
				11.0	
			1+00	10.7	
				10.4	
				9.9	
				10.4	
				10.9	
			50	11.0	
				11.0	
				10.8	
				10.1	
				10.0	
			2+00	10.7	
				10.7	
				10.8	
				10.9	

OK

OK



4-20-60

STA N. 160+00; 0+00 = W. 10370; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00 (0.7) 8.0 7.3

(0.7) 50 4.0 3.3

1.2 0.5

10.43 9.0 ~~8.3~~ 10.45

10.1 9.4

50 10.1 9.4

9.7 9.0 3+00

9.8 9.1

10.0 9.3

10.1 9.4

1+00 10.2 9.5

10.0 9.3

10.1 9.4

10.5 9.8

10.4 9.7

50 10.1 9.4

10.0 9.3

10.3 9.6

10.7 10.0

10.7 10.0

2+00 9.6 8.9

10.3 9.6

10.2 9.5

10.3 9.6

36

STA N. 160+50; 0+00 = W. 10370; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00 (0.7) 5.6

(0.7) 50

2.7

10.48 8.0

9.3

50 10.1

10.3 3+00

10.2

10.0

10.3

1+00 10.3

10.7

11.0

10.8

10.6

50 10.5

10.4

10.5

10.6

11.0

2+00 10.9

10.4

10.5

9.0

O.K.



4-20-60

(37)

STA. N. 161+00; 0+00=W. 10,370; SOUND WEST

STA. N. 161+50; 0+00=W. 10380; SOUND WEST

Dist Sound Elev Dist Sound Elev

Dist Sound Elev Dist Sound Elev

0+00

(0.7)

50

0+00

(0.6)

50

10:53 5.2 4.5

8.1 7.4

50 9.4 8.7

9.7 9.0 3+00

9.9 9.2

9.8 9.1

9.5 8.8

1+00 9.2 8.5

9.4 8.7

9.5 8.8

9.1 8.4

9.3 8.6

50 9.3 8.6

9.4 8.7

9.8 9.1

9.8 9.1

9.8 9.1

2+00 10.0 9.3

9.8 9.1

6.7 6.0

2.3 1.6

0.5

10:57 5.2

8.1

50 8.9

8.9 3+00

8.3

8.2

8.6

1+00 9.0

8.9

9.0

9.0

9.0

50 9.1

9.2

9.5

11:00 9.7

9.8

2+00 9.4

7.8

3.0



4-20-60

STA. N. 162+00; 0+00 = W. 10,390; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(0.6)

50

1.0 0.4

11:02 7.1 6.5

8.3 7.7

50 9.0 8.4

9.0 8.4 3+00

9.0 8.4

8.9 8.3

9.0 8.4

1+00 9.0 8.4

9.3 8.7

9.3 8.7

9.3 8.7

9.3 8.7

50 9.2 8.6

9.0 8.4

9.0 8.4

11:05 9.0 8.4

9.0 8.4

2+00 9.0 8.4

7.3 6.7

2.6 2.0

(38)

STA. N. 162+50; 0+00 = W. 10,400; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(0.6)

50

3.8

11:07 7.8

8.9

50 9.0

8.9

3+00

8.8

9.0

9.0

1+00 9.0

8.9

8.9

9.0

8.9

50 9.0

9.2

9.1

9.0

9.0

2+00 9.0

7.6

2.3

OK



4-20-60

STA N 163+00; 0+00 = W. 10,400; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(06)

50

11.11

5.2

4.6

50

8.9

8.3

50

9.5

8.9

9.4

8.8

3+00

9.3

8.7

9.2

8.6

9.2

8.6

1+00

9.1

8.5

9.3

8.7

8.1

9.0

8.4

9.2

8.6

9.2

8.6

50

9.0

8.4

9.1

8.5

9.0

8.4

9.1

8.5

9.3

8.7

2+00

9.3

8.7

9.0

8.4

5.3

4.7

(39)

STA N 163+50; 0+00 = W. 10,410; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(06)

50

0.9

5.8

11.15

8.1

50

8.5

8.9

3+00

9.1

9.0

9.0

1+00

8.8

8.9

8.7

9.2

9.4

50

9.8

10.0

9.9

9.5

9.3

2+00

9.0

7.3



A-20-60

STA. N. 164+00; 0+00 = W. 10, 420; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(06)

6.5 5.9

1120 9.0 8.4

9.2 8.6

50 9.5 8.9

9.0 8.4 3+00

9.0

9.0

9.0

1+00 9.0

9.0

9.0

9.0

8.9 8.3

50 9.1 8.5

9.5 8.9

9.8 9.2

9.8 9.2

9.4 8.8

2+00 9.0 8.4

3.8 3.2

50

4-25-60

(40)

STA. N. 164+50; 0+00 = W. 10, 420; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(28)

1.5

5.7

1110 10.5

11.1

50 11.2

11.2

11.3

11.2

11.0

1+00 11.0

10.7

10.6

10.8

11.0

50 11.1

11.1

11.0

11.0

11.0

2+00 10.9

7.6

1.9

50

3+00

OK



4-25-60

STA. N. 165+00; 0+00 = W. 10,420; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(28)

5.8 3.0

1.15 9.3 6.5

11.3 8.5

50 12.3 9.5

12.7 9.9

12.7 9.9

12.6 9.8

12.3 9.5

1+00 12.2 9.4

12.0 9.2

12.2 9.4

12.4 9.6

12.3 9.5

50 12.5 9.7

12.6 9.8

12.4 9.6

12.7 9.9

12.2 9.4

2+00 11.5 8.7

10.5 7.7

8.1 5.3

1.8 +1.0

(41)

STA. N. 165+50; 0+00 = W. 10,430; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(27)

0.5

5.3

10.0

1.20 11.1

50 11.3

11.4

11.0

10.8

10.7

1+00 10.6

11.0

11.1

11.7

11.4

50 11.5

11.5

10.4

10.5

10.3

2+00 10.2

8.0

2.7

OK



4-25-60

STA. N. 166+00; 0+00 = W. 10,440; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(2.6)	1.2	+1.4
	6.7	4.1

<u>1:25</u>	10.3	7.7
	11.0	8.4

50	11.1	8.5
	11.1	8.5

	11.0	8.4
--	------	-----

	10.9	8.3
--	------	-----

	10.7	8.1
--	------	-----

1+00	10.8	8.2
------	------	-----

	10.8	8.2
--	------	-----

	10.6	8.0
--	------	-----

	10.3	7.7
--	------	-----

	10.3	7.7
--	------	-----

50	10.7	8.1
----	------	-----

	10.9	8.3
--	------	-----

	10.4	7.8
--	------	-----

	11.1	8.5
--	------	-----

	11.1	8.5
--	------	-----

2+00	10.9	8.3
------	------	-----

	8.0	5.4
--	-----	-----

	3.2	0.6
--	-----	-----

(42)

STA. N. 166+50; 0+00 = W. 10,440; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(2.5)		
	2.9	

<u>1:30</u>	7.5	
	9.7	

50	10.5	
----	------	--

	10.7	
--	------	--

	10.7	
--	------	--

	10.8	
--	------	--

	10.5	
--	------	--

1+00	10.3	
------	------	--

	10.3	
--	------	--

	10.3	
--	------	--

	10.4	
--	------	--

	10.5	
--	------	--

50	10.7	
----	------	--

	10.9	
--	------	--

	11.1	
--	------	--

	11.3	
--	------	--

	11.2	
--	------	--

2+00	11.0	
------	------	--

	10.1	
--	------	--

	7.2	
--	-----	--

	2.9	
--	-----	--

OK.



4-25-60

STA. N. 167+00; 0+00 = W. 10,450; SOUND WEST

Dist	Sound	Elev
0+00		

(25)	4.4	1.9
<u>11.35</u>	8.2	5.7
	10.5	8.0
50	10.4	7.9
	10.6	8.1
	10.7	8.2
	10.4	7.9
	10.5	8.0

1+00	10.4	7.9
	10.8	8.3
	10.7	8.2
	11.3	8.8
	11.2	8.7
50	11.3	8.8
	11.8	9.3
	11.7	9.2
	11.3	8.8
	11.1	8.6

2+00	11.0	8.5
	10.9	8.4
	8.1	5.6
	4.1	1.6

(43)

STA. N. 167+50; 0+00 = W. 10,460; SOUND WEST

Dist	Sound	Elev
0+00		

(24)	4.7	
<u>11.40</u>	9.1	
	10.2	
50	10.4	
	10.3	
	9.9	
	10.1	
	10.2	

1+00	10.0	
	10.2	
	10.0	
	10.1	
	10.1	
50	10.3	
	10.0	
	10.5	
	10.5	
	10.6	
2+00	10.6	
	10.2	

9.0

3.7



4-25-60

STA. N. 168+00; 0+00 = W. 10,470; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(23)	1.1	+1.2
	5.9	3.6

<u>11.45</u>	9.1	6.8
	10.1	7.8

50	10.1	7.8
----	------	-----

	10.3	8.0
--	------	-----

	10.3	8.0
--	------	-----

	10.1	7.8
--	------	-----

	9.8	7.5
--	-----	-----

1+00	9.7	7.4
------	-----	-----

	9.7	7.4
--	-----	-----

	9.9	7.6
--	-----	-----

	10.1	7.8
--	------	-----

	10.1	7.8
--	------	-----

50	10.5	8.2
----	------	-----

	10.5	8.2
--	------	-----

	10.4	8.1
--	------	-----

	11.8	9.5
--	------	-----

	11.0	8.7
--	------	-----

2+00	10.0	7.7
------	------	-----

	9.9	7.6
--	-----	-----

	8.9	6.6
--	-----	-----

	1.9	+0.4
--	-----	------

(44)

STA. N. 168+50; 0+00 = W. 10,480; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(23)	1.0	
	4.9	

	8.3	
--	-----	--

<u>11.50</u>	9.0	
--------------	-----	--

50	9.5	
----	-----	--

	9.4	
--	-----	--

	9.6	} OK
--	-----	------

	9.3
--	-----

	9.3
--	-----

1+00	9.2	6.9
------	-----	-----

	9.3	7.0
--	-----	-----

	9.2	6.9
--	-----	-----

	9.5	7.2
--	-----	-----

	9.3	7.0
--	-----	-----

50	9.3	7.0
----	-----	-----

	9.3	7.0
--	-----	-----

	9.5	7.2
--	-----	-----

	10.0	
--	------	--

	10.1	} OK
--	------	------

2+00	10.3	
------	------	--

	9.8	
--	-----	--

	5.1	
--	-----	--



4-25-60

STA. N. 169400; 0+00 = W. 10,480; SOUND WEST  
 DIST SOUND ELEV DIST SOUND ELEV  
 0+00

(22)

	2.0	+0.2
11.55	7.1	4.9
	9.5	7.3
50	10.0	7.8
	10.3	8.1
	10.4	8.2
	10.3	8.1
	10.3	8.1
1+00	10.4	8.2
	10.2	8.0 OK
	10.3	8.1
	10.2	8.0
	10.3	8.1
50	10.0	7.8
	9.9	7.7
	10.0	7.8
	10.0	7.8
	9.7	7.5
2+00	10.0	7.8
	9.9	7.7
	9.8	7.6
	3.5	1.3

(45)

STA. N. 169450; 0+00 = W. 10490; SOUND WEST  
 DIST SOUND ELEV DIST SOUND ELEV

0+00

(21)

	3.1	
2:00	9.2	
	10.1	
50	10.1	
	10.1	
	10.0	
	10.2	
	10.1	
1+00	10.0	OK
	9.9	
	10.0	
	9.8	
	10.0	
50	10.0	
	9.8	
	9.5	
	9.4	
	9.0	6.9
2+00	9.0	6.9
	7.4	
	5.9	



4-25-60

STA. N. 170+00; 0+00 = W. 10,500; SOUND WEST

DIST SOUND ELEV DIST SOUND ELEV

0+00

(20)	0.3	+1.7
	4.5	2.5

<u>2:07</u>	8.2	6.2
	10.2	8.2

50	10.2	8.2
	10.1	8.1

	10.1	8.1
	10.2	8.2

	10.1	8.1
--	------	-----

1+00	9.9	7.9
------	-----	-----

	9.8	7.8
--	-----	-----

	9.5	7.5
--	-----	-----

	9.4	7.4
--	-----	-----

	9.8	7.8
--	-----	-----

50	9.8	7.8
----	-----	-----

	9.9	7.9
--	-----	-----

	9.9	7.9
--	-----	-----

	9.8	7.8
--	-----	-----

	9.8	7.8
--	-----	-----

2+00	9.9	7.9
------	-----	-----

	7.6	5.6
--	-----	-----

	5.3	3.3
--	-----	-----

(26)

STA. N. 170+50; 0+00 = W. 10,510; SOUND WEST

DIST SOUND ELEV DIST SOUND ELEV

0+00

(20)	0.5	+1.5
	6.1	

	8.0	
--	-----	--

<u>2:12</u>	9.9	
-------------	-----	--

<u>50</u>	10.3	
-----------	------	--

	10.1	
--	------	--

	10.2	
--	------	--

	10.3	
--	------	--

	10.3	
--	------	--

1+00	10.0	
------	------	--

	9.7	
--	-----	--

	9.8	
--	-----	--

	10.0	
--	------	--

	10.1	
--	------	--

50	10.0	
----	------	--

	9.9	
--	-----	--

	9.9	
--	-----	--

	9.8	
--	-----	--

	9.8	
--	-----	--

2+00	9.8	
------	-----	--

	8.9	6.9
--	-----	-----

	6.9	4.9
--	-----	-----

OK.



4-25-60

STA. N. 171+00; 0+00 = W. 10,510; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(19)

1.8 +0.1

2:17 8.0 6.1

11.0 9.1

50 11.2 9.3

11.2 9.3

11.1 9.2

11.1 9.2

11.1 9.2

1+00 11.2 9.3

11.2 9.3

11.0 9.1

11.0 9.1

11.0 9.1

50 11.0 9.1

10.7 8.8

10.4 8.5

10.2 8.3

10.0 8.1

2+00 9.9 8.0

9.9 8.0

9.1 7.2

3.5 1.6

(47)

STA. N. 171+50; 0+00 = W. 10,520; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(19)

1.2

2:22 7.2

10.0

50 10.1

10.2

10.2

10.0

11.1

1+00 10.5

10.2

10.5

10.4

10.3

50 10.0

10.0

10.0

9.9

9.8

2+00 9.8

9.7

9.0

4.0

O.K.



4-25-60

STA. N. 172+00; 0+00 = W. 10,530; SOUND WEST

0+00

(19)

3.1 1.2

2,27 7.3 5.4

9.0 7.1

50 8.6 6.7

10.0 8.1

10.2 8.3

10.1 8.2

10.3 8.4

1+00 10.8 8.9

10.4 8.5

10.3 8.4

10.2 8.3

10.1 8.2

50 10.1 8.2

10.1 8.2

10.1 8.2

10.1 8.2

10.1 8.2

2+00 10.1 8.2

10.1 8.2

7.6 5.7

2.0 0.1

(20)

STA. N. 172+50; 0+00 = W. 10,540; SOUND WEST

0+00

(18)

0.6

2,35 5.2

8.8

50 10.0

10.0

10.1

10.1

10.2

1+00 10.3

10.3

10.4

10.3

10.3

50 10.2

10.2

10.1

10.1

10.0

2+00 9.9

9.9

7.5

2.5

OK.



4-25-60

STA. N. 173+00; OAD= W. 10, 550; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(1.8)

0.9 10.9

2:40 5.1 3.3

6.9 5.1

50 8.0 6.2

9.1 7.3

9.9 8.1

10.1 8.3

10.1 8.3

1+00 10.2 8.4

10.2 8.4

10.3 8.5

10.2 8.4

10.3 OK, 8.5

50 10.2 8.4

10.1 8.3

10.0 8.2

9.8 8.0

9.8 8.0

2+00 9.8 8.0

9.9 8.1

9.5 7.7

5.2 3.4

4-26-60

STA. N. 173+50; OAD= W. 10, 560; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(1.4)

0.5

3.6

9:30 7.5

10.6

50 12.0

12.1

12.6

12.5

12.4

1+00 12.6

12.7

12.8

12.6

12.6

50 12.4

12.4

12.3

12.3

12.5

2+00 12.5

12.4

12.2

8.0

OK

(49)



4-26-60

STA. N. 174+00; 0+00 = W. 10.570; SOUND WEST

STA. N. 174+50; 0+00 = W. 10.580; SOUND WEST

Dist Sound Elev

Dist Sound Elev

Dist Sound Elev

Dist Sound Elev

0+00

2+40

5.0

0.6

0+00

2+40

8.0

(44)

(45)

5.3 0.9

4.7

9:35

9.3 4.9

8.9

9:40

10.9 6.5

10.4

50

11.2 6.8

50

11.2

11.7 7.3

11.8

11.8 7.4

11.9

11.8 7.4

12.0

11.8 7.4

11.9

1+00

11.9 7.5

1+00

12.0

12.1 7.7

12.1

12.2 7.8

12.2

12.5 8.1

12.5

12.1 7.7

12.4

50

12.2 7.8

50

12.8

12.2 7.8

12.4

12.2 7.8

12.5

12.2 7.8

12.3

12.1 7.7

12.2

2+00

12.2 7.8

2+00

12.2

12.0 7.6

12.1

11.6 7.2

12.1

9.9 5.5

10.9

OK

(50)



4-26-60

STA. N. 175+00; 0+00 = W. 10,600; SOUND WEST

STA. N. 175+50; 0+00 = W. 10,610; SOUND WEST

	Dist	Sound	Elev		Dist	Sound	Elev		Dist	Sound	Elev		Dist	Sound	Elev
0+00				2+40	5.1		0.6	0+00				2+40	3.2		
(4.5)	1.0		+3.5					(4.5)							
	6.0		1.5						2.5						
<u>9:45</u>	9.7		5.2						7.7						
	11.3		6.8					<u>9:50</u>	11.0						
50	11.9		7.4					50	12.2						
	12.0		7.5						12.1						
	12.0		7.5						12.1						
	12.1		7.6						12.2						
	12.2		7.7						12.3						
1+00	12.3		7.8					1+00	12.4						
	12.4		7.9						12.5						
	12.4		7.9						12.8						
	12.3	7.8	OK						12.8						
	12.3		7.8						13.0						
50	12.3		7.8					50	13.0						
	12.4		7.9						13.1						
	12.5		8.0						13.1						
	12.6		8.1						13.0						
	12.8		8.3						13.0						
2+00	12.9		8.4					2+00	12.9						
	13.0		8.5						12.9						
	13.0		8.5						12.3						
	12.2		7.7						10.2						

O.K.



4-26-60

STA. N. 176+00; 0+00 = W. 10,630; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(A6) 1.0 +3.6

4.9 0.3

9.55 9.3 4.7

10.7 6.1

50 12.0 7.4

12.4 7.8

12.6 8.0

12.4 7.8

12.6 8.0

1+00 12.8 8.2

12.9 8.3

13.0 8.4

13.0 8.4

13.1 8.5

50 13.1 8.5

13.0 8.4

12.6 8.0

12.4 7.8

12.3 7.7

2+00 12.3 7.7

12.2 7.6

10.5 5.9

6.4 1.8

52

STA. N. 176+50; 0+00 = W. 10,640; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(A6)

3.2

7.6

10.00 11.0

50 11.9

12.0

12.0

12.2

12.3

1+00 12.4

12.5

12.7

13.0

13.1

50 13.1

13.0

12.9

12.6

12.5

2+00 12.6

12.5

12.0

9.9

O.K.



4-26-60

STAN. 177+00; 0+00 = W. 10,650; SOUND WEST

DIST SOUND ELEV DIST SOUND ELEV

0+00 2+00 6.0 1.3

(4.7)

1.5 +3.2

10:07 5.7 1.0

9.3 4.6

50 11.0 6.3

11.1 6.4

12.0 7.3

12.1 7.4

12.1 7.4

1+00 12.2 7.5

12.2 7.5

12.3 7.6

12.8 8.1

12.7 8.0

50 13.2 8.5

12.7 8.0

12.6 7.9

12.7 8.0

12.4 7.7

2+00 12.2 7.5

12.0 7.3

11.7 7.0

10.9 6.2

53

STAN. 177+50; 0+00 = W. 10,670; SOUND WEST

DIST SOUND ELEV DIST SOUND ELEV

0+00

(4.7)

5.9

10:15 10.1

11.5

50 12.5

12.7

12.7

12.6

12.8

1+00 12.9

12.9

13.0

12.8

12.1

50 11.9

11.8

11.8

11.9

11.9

2+00 12.0

12.1

8.4

O.K.



4-26-60

STA. N. 178+00; 0+00 = W. 10,710; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(47) 0.9 +3.8

4.8 0.1

10:20 9.6 4.9

11.1 6.4

50 12.4 7.7

13.0 8.3

13.0 8.3

13.1 8.4

13.1 8.4

1+00 13.0 8.3

13.0 8.3

12.4 7.7

12.2 7.5

12.3 7.6

50 12.3 7.6

12.4 7.7

12.5 7.8

12.5 7.8

12.8 8.1

2+00 9.8 5.1

1.9 +2.8

(54) 5

STA. N. 178+50; 0+00 = W. 10,730; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(47)

0.8 +3.9

10:25 4.1 +0.6

10.3 5.6

50 12.8 8.1

13.3 8.6

13.4 8.7

13.8 9.1

13.5 8.8

1+00 13.3 8.6

13.1

13.2 OK

14.1

14.0

50 14.0

14.0

14.2

14.0

13.3

2+00 9.0



4-26-60

STA. N. 179+00; 0+00 = W. 10,750; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(47)

2.0 +2.7

11:00 7.9 5.2

10.7 6.0

50 11.9 7.2

13.2 8.5

13.9 9.2

13.9 9.2

13.8 9.1

1+00 13.8 9.1

13.3 8.6

13.2 8.5

13.3 8.6 OK

14.0 9.3

50 14.0 9.3

14.0 9.3

14.0 9.3

13.9 9.2

10.2 5.5

2+00 4.9 0.2

(53)

STA. N. 179+50; 0+00 = W. 10,760; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(47)

11:05 4.0 +0.7

9.7 5.0

50 10.5 5.8

11.9 7.2

14.0 9.3

14.3 9.6

14.5 9.8

1+00 14.8 10.1

14.9

14.9

14.9 OK

14.8

50 14.7

14.5

14.1

14.0

11.8

2+00 8.2

2.5



4-26-60

STA. N. 180+00; 0+00 = W. 10,780; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(46)

2.8 +1.8

1110

8.9 4.3

11.1 6.5

50

12.8 8.2

13.2 8.6

13.6 9.0

13.4 8.8

~~13.3~~ 8.7

1+00

13.7 9.1

13.4 8.8

13.3 8.7

13.5 8.9

14.0 9.4

50

14.5 9.9

14.7 10.1

14.6 10.0

12.7 8.1

8.2 3.6

2+00

(56)

STA. N. 180+50; 0+00 = W. 10,790; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(46)

1115

4.0 +0.6

12.0 7.4

50

14.4 9.8

14.7 10.1

14.8 10.2

14.9 10.3

14.8 10.2

1+00

14.9 10.3

14.2 OK

13.8

13.5

13.3

50

13.0

13.4

13.5

13.5

8.0

2+00

1.5



4-26-60

STA. N. 181+00; D+00 = W. 10,810; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(4.6)

4.0 +0.6

11/17 10.1 5.5

12.1 7.5

50 12.9 8.3

13.5 8.9

14.0 9.4

14.0 9.4

14.2 9.6

1+00 14.3 9.7

14.1 OK  
9.5

14.0 9.4

14.0 9.4

14.0 9.4

50 14.0 9.4

14.0 9.4

13.3 8.7

9.1 4.5

3.5 + 1.1

2+00

(57)

STA. N. 181+50; D+00 = W. 10,820; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(4.6)

3.0 +1.6

11/20 9.0 4.4

10.1 5.5

50 11.9 7.3

12.8 8.2

13.5 8.9

13.7 9.1

13.9 9.3

1+00 14.0 9.4

14.0 OK

14.1

14.1

13.4

50 13.1

14.0

14.0

12.0

8.9

2+00



4-26-60

STA. N. 182+00; 0+00 = W. 10,830; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(2.6)

1.6 +3.0

11:25 3.9 +0.7

9.3 4.7

50 10.1 5.5

13.1 8.5

13.3 8.7

13.3 8.7

13.1 8.5

1+00 13.0 8.4

13.2 8.6

13.6 9.0

14.0 9.4

14.1 9.5

50 14.2 9.6

14.8 10.2

14.8 10.2

13.9 9.3

9.0 4.4

2+00 4.0 +0.6

(58)

STA. N. 182+50; 0+00 = W. 10,850; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00

(4.5)

5.3 +0.8

11:30 8.2 3.7

11.3 6.8

50 13.1 8.6

13.5 9.0

13.8 9.3

13.5 9.0

13.2 8.7

1+00 14.0 9.5

14.4 9.9

15.1 10.6

15.1 10.6

15.4 10.9

50 15.2 10.7

15.1 10.6

10.2

6.1

2+00



4-26-60

STA. N. 183+00: 0+00 = W. 10.860 : SOUND WEST  
 Dist Sound Elev Dist Sound Elev

0+00

(45)

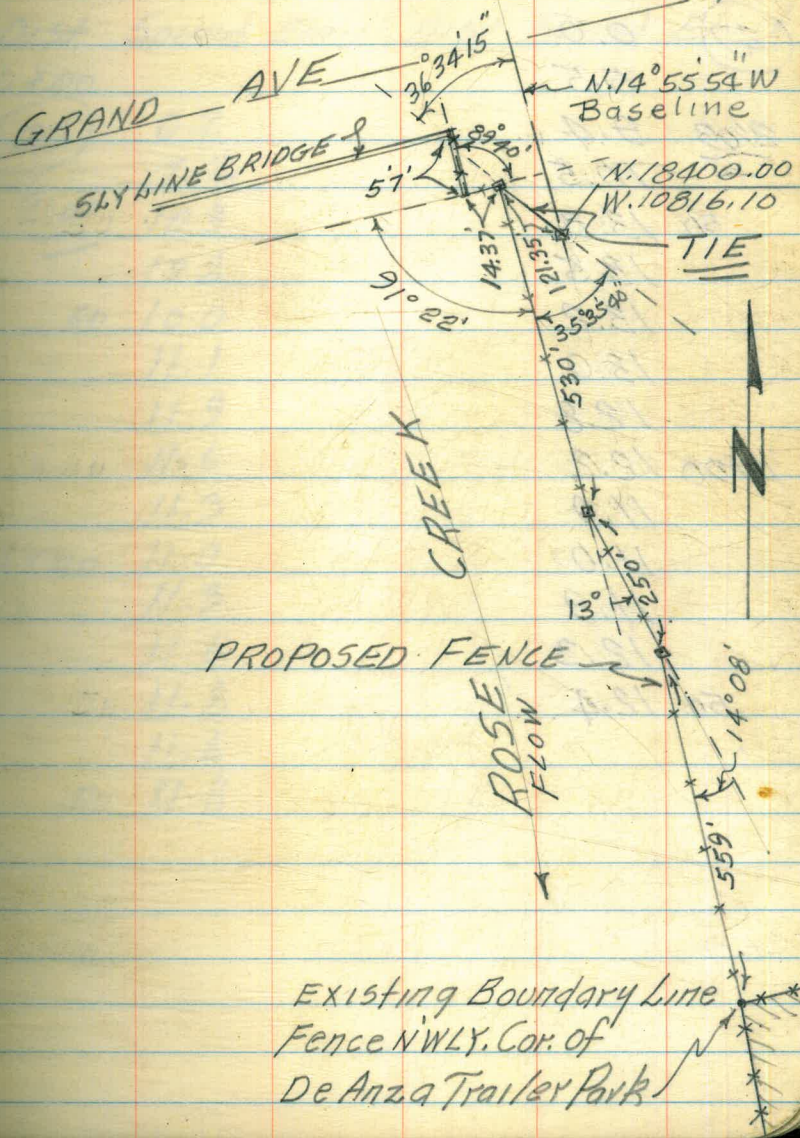
	2.0	+2.5
11:35	7.0	+2.5
	11.8	7.3
50	13.9	9.4
	14.3	9.8
	15.0	10.5
	15.0	10.5
	15.2	10.7
1+00	15.3	10.8
	14.8	10.3
	13.9	9.4
	11.9	7.4
	10.5	6.0
50	6.9	2.4
	0.5	+4.0

2+00

4-28-60

LOCATION OF FENCE ELY. SIDE OF ROSE  
 CREEK, SLY. OF GRAND AVE

T.A. Stamped





STA. W. 109+50; 0+00 = N. 18,350; SOUND SOUTH

Dist Sound Elev Dist Sound Elev

0+00

(27) 0.0

5.5

2103 8.4

10.5

50 13.3

13.5

13.2

13.0

12.8

1+00 12.2

11.9

11.0

11.9

12.3

50 12.4

4-26-60

(60)

END SECTIONS SLY FROM NLY END OF  
ROSE CREEK CHANNEL

STA. W. 109+00; 0+00 = N18340; SOUND SOUTH

Dist Sound Elev Dist Sound Elev

0+00

(27) 0.2

7.2

2100 10.3

10.2

50 10.0

11.1

11.9

11.6

11.3

1+00 11.0

11.3

11.6

11.8

11.6

50 11.8



4-26-60

STA. W. 110+00; 0+00 = N. 18,360; SOUND SOUTH

Dist Sound Elev Dist Sound Elev

0+00

(27)

2105

	1.5
50	5.6
	8.1
	11.9
	14.3
	14.0
1700	13.6
	13.9
	13.4
	13.3
	13.0
50	11.5

4-26-60

CROSS SECTIONS ROSECREEK WLY.

FROM B/L. (Ref. F.B. M.B. N° 106 = B/L)

STA. N. 152+00; 0+00 = W. 9772.21

Sta	+	H.I.	-	Elev
B.M.				12.39

Chisler  
NWLY Top  
Step Sewer  
Pump Sta.

T.B.M.	3.69	12.90		9.21	2x2" Hub
0			3.1	9.8	
W/5			3.8	9.1	
W/50			5.2	7.7	
W/100			8.3	4.6	
W/110			9.1	3.8	

STA. N. 152+50; 0+00 = W. 9871.26

0			3.5	9.4
W/50			6.2	6.7
W/100			9.1	3.8
W/130			10.8	2.1

STA. N. 153+00; 0+00 = W. 9945.48

0			3.7	9.2
W/50			5.8	7.1
W/100			9.2	3.7
W/140			11.9	1.0



4-26-60

STA. N. 153+50; 0+00 = W. 10005.15

Sta	+ H. I.	-	Elev
0	12.90	3.5	9.4
W. 20		3.3	9.6
W. 50		5.8	7.1
W. 100		9.6	3.3
W. 120		11.2	1.7

STA. N. 154+00; 0+00 = W. 10054.67

0	3.2	9.7
W 20	4.3	8.6
W 50	5.8	7.1
W 100	10.4	2.5

STA. N. 154+50; 0+00 = W. 10096.44

0	3.3	9.6
W 15	3.8	9.1
W 50	5.7	7.2
W 100	10.9	2.0

STA. N. 155+00; 0+00 = W. 10131.90

0	3.3	9.6
W 15	4.0	8.9
W 50	5.6	7.3
W 100	11.5	1.4

STA. N. 155+50; 0+00 = W. 10162.01

0	3.4	9.5
W 20	4.1	8.8
W 50	6.0	6.9
W 90	11.0	1.9

62

STA. N. 156+00; 0+00 = W. 10187.45

Sta	+ H. I.	-	Elev
0	12.90	3.2	9.7
W. 30		4.1	8.8
W. 50		6.9	6.0
W. 90		11.5	1.4

STA. N. 156+50; 0+00 = W. 10208.67

0	1.2	11.7
W 10	1.5	11.4
W 15	3.3	9.6
W 44	6.0	6.9
W 54	7.2	5.7
W 90	11.7	1.2

STA. N. 157+00; 0+00 = W. 10226.05

0	1.2	11.7
W 8	2.0	10.9
W 50	6.7	6.2
W 90	11.5	1.4
T.B.M.	0.95	11.95
	1.95	13.90

STA. N. 157+50; 0+00 = W. 10239.83

0	3.2	10.7
W 15	4.3	9.6
W 52	7.4	6.5
W 85	11.6	2.3

(Over-nite Nail in Lite pole swly End Trailed Park Improv)



4-28-60

STA. N. 158+00; 0+00 = W. 10,250.20

Sta.	+	H.I.	-	Elev
0		13.90	2.6	11.3
W. 10			3.2	10.7
W. 50			7.1	6.8
W. 80			11.4	2.5

STA. N. 158+50; 0+00 = W. 10,259.19

0			2.7	11.2
W 11			3.6	10.3
W 55			7.2	6.7
W 81			11.2	2.7

STA. N. 159+00; 0+00 = W. 10,268.18

0			3.0	10.9
W 15			3.8	10.1
W 66			7.9	6.0
W 90			11.5	2.4
W				

STA. N. 159+50; 0+00 = W. 10,277.17

0			3.5	10.4
W 30			5.4	8.5
W 50			7.3	6.6
W 75			8.5	5.4
W 90			11.4	2.5

STA. N. 160+00; 0+00 = W. 10,286.15 (63)

Sta.	+	H.I.	-	Elev
0		13.90	3.9	10.0
W. 38			5.5	8.4
W. 52			8.8	5.1
W. 87			9.6	4.3
W. 90			11.4	2.5

STA. N. 160+50; 0+00 = W. 10,295.15

0			3.5	10.4
W 43			5.7	8.2
W 53			8.6	5.3
W 79			8.8	5.1
W 85			11.4	2.5

STA. N. 161+00; 0+00 = W. 10,304.13

0			3.3	10.6
W 18			5.3	8.6
W 27			7.8	6.1
W 73			9.2	4.7
W 80			11.6	2.3

STA. N. 161+50; 0+00 = W. 10,313.12

0			3.2	10.7
W 27			7.7	6.2
W 77			9.7	4.2
W 80			11.6	2.3



4-28-60

STA. N. 162 +00; 0+00 = W 10,322.11 (?)

Sta	+	H.I.	-	Elev
0		13.90	3.0	10.9
W.30			7.7	6.2
W.50			9.0	4.9
W.77			9.7	4.2
W.82			11.6	2.3

STA. N. 162+50; 0+00 = W 10,331.10

0		2.9	11.0
W 7		3.6	10.3
W 23		6.3	7.6
W 50		8.5	5.9
W 73		9.5	4.4
W 76		11.4	2.5

STA. N. 163+00; 0+00 = W 10,340.08

0		3.0	10.9
W 4		3.2	10.7
W 16		5.8	8.1
W 34		8.0	5.9
W 67		9.0	4.9
W 73		11.5	2.4

STA. N. 163+50; 0+00 = W 10,349.08

0		2.9	11.0
W 20		6.3	7.6
W 34		8.5	5.4
W 64		8.3	5.6
W 72		11.5	2.4

STA. N. 164 +00; 0+00 = W 10,358.06 (60)

Sta	+	H.I.	-	Elev
0		13.90	2.9	11.0
W.19			6.8	7.1
W.38			8.0	5.9
W.62			8.7	5.2
W.66			11.4	2.5

STA. N. 164+50; 0+00 = W 10,367.06

0		3.1	10.8
W 15		6.2	7.7
W 31		7.6	6.3
W 55		8.7	5.2
W 57		10.7	3.2

STA. N. 165+00; 0+00 = W 10,376.04

0		3.0	10.9
W 15		5.9	8.0
W 33		7.7	6.2
W 50		8.2	5.7
W 52		10.5	3.4
TP.		2.99	10.91

N 165+50  
on stub

STA. N. 165+50; 0+00 = W 10,385.04

0	+2.99	13.90	3.0	10.9
W 15			6.2	7.7
W 23			7.8	6.1
W 46			7.9	6.0
W 50			10.4	3.5



4-28-60

STA. N. 166 + 00; 0+00 = W. 10,349.02

Sta	H.I.	-	Elev
0	13.90	3.2	10.7
W. 13		6.8	7.1
W. 47		8.0	5.9
W. 49		10.5	3.4

STA. N. 166+50; 0+00 = W. 10,403.01

0	3.3	10.6
W 15	6.5	7.4
W 30	7.3	6.6
W 43	7.7	6.2
W 45	10.1	3.8

STA. N. 167+00; 0+00 = W. 10,412.00

0	3.0	10.9
W 15	6.4	7.5
W 43	8.1	5.8
W 46	10.5	3.4

STA. N. 167+50; 0+00 = W. 10,421.00

0	3.4	10.5
W 12	5.7	8.2
W 32	7.7	6.2
W 43	8.0	5.9
W 47	10.7	3.2

STA. N. 168 + 00; 0+00 = W. 10,429.97

Sta	H.I.	-	Elev
0	13.90	3.1	10.8
W 15		6.0	7.9
W 31		7.9	6.0
W 43		8.0	5.9
W 45		11.3	2.6

STA. N. 168+50; 0+00 = W. 10,438.97

0	3.4	10.5
W 16	6.7	7.2
W 41	7.5	6.4
W 44	10.5	3.4

STA. N. 169+00; 0+00 = W. 10,447.95

0	3.4	10.5
W 20	6.5	7.4
W 41	7.1	6.8
W 44	10.8	3.1

STA. N. 169+50; 0+00 = W. 10,456.95

0	3.5	10.4
W 26	6.6	7.3
W 40	7.1	6.8
W 41	10.5	3.4

(65)



4-28-60

STA. N. 170+00; 0+00 = W. 10, 465.93

Sta	+	H.I.	-	Elev
0		13.90	3.4	10.5
W. 20			6.5	7.4
W. 35			7.2	6.7
W. 37			11.3	2.6

STA. N. 170+50; 0+00 = W. 10, 474.93

0			3.3	10.6
W 20			6.4	7.5
W 33			7.3	6.6
W 37			10.1	3.8

STA. N. 171+00; 0+00 = W. 10, 483.91

0			3.4	10.5
W 22			6.4	7.5
W 34			7.2	6.7
W 37			10.6	3.3

STA. N. 171+50; 0+00 = W. 10, 492.90

0			3.4	10.5
W 22			6.1	7.8
W 32			6.7	7.2
W 38			10.7	3.2

STA. N. 172+00; 0+00 = W. 10, 501.88

Sta	+	H.I.	-	Elev
0		13.90	4.2	9.7
W. 23			6.3	7.6
W 26			6.4	7.5
W. 27			10.0	3.9

STA. N. 172+50; 0+00 = W. 10, 510.88

0			5.2	8.7
W 32			6.4	7.5
W 38			9.7	4.2
W				

STA. N. 173+00; 0+00 = W. 10, 522.77

0			5.4	8.5
W 16			6.5	7.4
W 31			7.0	6.9
W 37			10.7	3.2

STA. N. 173+50; 0+00 = W. 10, 536.10

0			5.1	8.8
W 29			7.0	6.9
W 32			9.9	4.0
W TP.			4.54	9.36

5.54 1490



4-28-60

STA. N. 174+00; 0+00 = W. 10, 549.43

Sta + H.I - Elev

0 14.90 5.5 9.4

W 21 6.9 8.0

W 28 11.2 3.7

W

STA. N. 174+50; 0+00 = W. 10, 562.77

0 5.1 9.8

W 19 6.6 8.3

W 26 11.1 3.8

W

STA. N. 175+00; 0+00 = W. 10, 576.10

0 5.0 9.9

W 24 6.2 8.7

W 32 12.1 2.8

W

STA. N. 175+50; 0+00 = W. 10, 589.44

0 5.0 9.9

W 25 6.0 8.9

W 34 10.8 4.1

W 35 12.7 2.2

STA. N. 176+00; 0+00 = W. 10, 602.77 <sup>(67)</sup>

Sta + H.I - Elev

0 14.90 4.7 10.2

W 28 5.0 9.9

W 34 7.6 7.3

W 37 12.0 2.9

STA. N. 176+50; 0+00 = W. 10, 616.10

0 4.8 10.1

W 31 5.4 9.5

W 34 7.5 7.4

W 36 12.2 2.7

STA. N. 177+00; 0+00 = W. 10, 629.43

0 4.4 10.5

W 27 4.8 10.1

W 30 10.2 4.7

W

STA. N. 177+50; 0+00 = W. 10, 642.77

0 4.1 10.8

W 45 4.5 10.4

W 48 10.2 4.7

W



4-28-60  
STA. N. 178+00; 0+00 = W. 10, 656.10

Sta	+	H.I	-	Elev
0		14.90	3.6	11.3
W 25		<sup>3</sup> 11.00	3.6	11.3
W 55			4.4	10.5
W 61			11.2	3.7

STA. N. 178+50; 0+00 = W. 10, 669.44

0			2.2	12.7
W 30			3.1	11.8
W 66			3.5	11.4
W 75			7.3	7.6
W 77			10.9	4.0

STA. N. 179+00; 0+00 = W. 10, 682.77

0			1.9	13.0
W 32			2.2	12.7
W 67			3.4	11.5
W 77			5.9	9.0
W 80			10.5	4.4

STA. N. 179+50; 0+00 = W. 10, 696.10

0			1.7	13.2
W 72			2.7	12.2
W 82			7.5	7.4
W 84			11.3	3.6

STA. N. 180+00; 0+00 = W. 10, 709.43

Sta	+	H.I	-	Elev
0		14.90	1.4	13.5
W 74			2.7	12.2
W 81			7.3	7.6
W 82			11.3	3.6

STA. N. 180+50; 0+00 = W. 10, 722.77

0			1.3	13.6
W 78			3.0	11.9
W 83			5.7	9.2
W 84			10.3	4.6

STA. N. 181+00; 0+00 = W. 10, 736.10

0			1.4	13.5
W 79			2.5	12.4
W 86			12.0	2.9
W				

STA. N. 181+50; 0+00 = W. 10, 749.44

0			1.6	13.3
W 79			2.7	12.2
W 85			7.7	7.2
W 86			11.4	3.5



4-28-60  
 STA. N. 182+00; 0+00 = W. 10, 762.77

Sta	+	H.1	-	Elev
0		14.90	1.7	13.2
W 77			2.9	12.0
W 82			7.8	7.1
W 83			10.9	4.0
W				

STA. N. 182+50; 0+00 = W. 10, 776.10

0			2.1	12.8
W 79			3.0	11.9
W 83			6.7	8.2
W 84			11.6	3.3

STA. N. 183+00; 0+00 = W. 10, 789.44

0			2.0	12.9
W 79			4.1	10.8
W 80			10.5	4.4

TP

4.40 15.90

N 184+00  
 W 10900

STA. N. 183+50; 0+00 = W. 10, 802.77

Sta	+	H.1	-	Elev
0		15.90	3.2	12.7
W 80			5.4	10.5
W 87			10.2	5.7
W 100			9.8	6.1
W 150			10.2	5.7
W 200			11.6	4.3
W 229			10.5	5.4
W 248			9.2	6.7
W 256			4.1	11.8
W 265			2.0	13.9
W 300			2.5	13.4

STA. N. 184+00; 0+00 = W. 10, 816.10

0			3.2	12.7
W 36			4.9	11.0
W 94			5.3	10.6
W 100			6.3	9.6
W 116			10.2	5.7
W 150			9.5	6.4
W 200			10.6	5.3
W 237			9.2	6.7
W 250			2.4	13.5



END SEC'S 52 Y.  
4-28-60

STA. W. 109+00; 0+00 = N. 18,400

Sta	+	H.I	-	ELRV
0		15.90	5.3	10.6
5.22			5.6	10.3
5.48			9.3	6.6
5.62			12.2	3.7

STA. W. 109+50; 0+00 = N. 18,400

0			9.6	6.3
S 50			10.2	5.7
S 55			12.2	3.7

STA. W. 110+00; 0+00 = N. 18,400

0			11.1	4.8
S 48			11.4	4.5
S 53			12.7	3.2

TP

3.23 16.90

2.23

13.67

Hub  
N18400  
W1102.30

X-SEC'S WLY SIDE OF ROSE CREEK (70)

4-29-60

STA. N. 183+00; 0+00 = W. 11,076.44

Sta	+	H.I	-	ELRV
0		16.90	5.5	11.4
W 14			3.1	13.8
E 20			10.0	6.9
E 54			13.1	3.8
E 56			15.3	1.6

STA. N. 182+50; 0+00 = W. 11,063.51

0			5.1	11.8
W 10			2.7	14.2
E 24			12.7	4.2
E 26			15.3	1.6

STA. N. 182+00; 0+00 = W. 11,050.58

0			4.6	12.3
W 8			2.6	14.3
E 14			8.4	8.5
E 16			15.3	1.6

STA. N. 181+50; 0+00 = W. 11,037.65

0			4.5	12.4
W 9			2.5	14.4
E 14			8.4	8.5
E 16			11.8	5.1
E 18			13.5	3.4



4-29-60

STA. N. 181+00; 0+00 = W. 11,024.71

Sta	+	H.I.	-	Elev
0		16.90	4.6	12.3
W 10			2.3	14.6
E 15			8.7	8.2
E 18			11.7	5.2

STA. N. 180+50; 0+00 = W. 11,011.78

0		4.6	12.3
W 9		2.8	14.1
E 17		9.9	7.0
E 21		13.1	3.8

STA. N. 180+00; 0+00 = W. 10,998.85

0		5.2	11.7
W 9		3.2	13.7
E 18		10.3	6.6
E 20		13.4	3.5

STA. N. 179+50; 0+00 = W. 10,985.92

0		6.2	10.7
W 14		3.0	13.9
E 11		8.7	8.2
E 12		11.8	5.1

STA. N. 179+00; 0+00 = W. 10,973.00

Sta	+	H.I.	-	Elev
0		16.90	6.3	10.6
W 13			4.0	12.9
E 16			9.8	7.1
E 17			12.9	4.0

STA. N. 178+50; 0+00 = W. 10,960.06

0		6.0	10.9	
W 13		4.4	12.5	
E 15		9.0	7.9	
E 19		11.2	5.7	
E 20		13.0	3.9	
TP.	4.90	13.90	7.90	9.00

STA. N. 178+00; 0+00 = W. 10,947.13

0		4.1	9.8
W 13		1.3	12.6
E 10		5.1	8.8
E 24		10.0	3.9

STA. N. 177+50; 0+00 = W. 10,934.20

0		3.8	10.1
W 15		0.9	13.0
E 17		6.9	7.0
E 21		8.6	5.3
E 22		10.6	3.3



4-29-60

STA. N. 177+00; 0+00 = W. 10,921.27

Sta	+	H.I.	-	Elev
0		13.90	4.1	9.8
W 14			1.0	12.9
E 14			6.5	7.4
E 22			8.5	5.4
E 27			10.2	3.7

STA. N. 176+50; 0+00 = W. 10,908.34

0		3.7	10.2
W 12		1.7	12.2
E 19		7.1	6.8
E 25		9.1	4.8

STA. N. 176+00; 0+00 = W. 10,895.41

0		3.5	10.4
W 10		2.3	11.7
E 22		7.4	6.5
E 25		9.1	4.8
E 28		10.3	3.6

STA. N. 175+50; 0+00 = W. 10,882.48

0		3.9	10.0
W 12		2.3	11.6
E 18		6.2	7.7
E 28		9.6	4.3
E 29		11.1	2.8

(2)

STA. N. 175+00; 0+00 = W. 10,869.54

Sta	+	H.I.	-	Elev
0		13.90	3.9	10.0
W. 9			2.6	11.3
E 11			5.9	8.0
E 19			7.0	6.9
E 21			10.1	3.8

STA. N. 174+50; 0+00 = W. 10,856.61

0		3.9	10.0
W 12		2.4	11.5
E 22		7.4	6.5
E 24		10.3	3.6
E			

STA. N. 174+00; 0+00 = W. 10,843.68

0		4.1	9.8
W 12		1.8	12.1
E 19		6.6	7.3
E 29		10.0	3.9

STA. N. 173+50; 0+00 = W. 10,830.75

0		4.1	9.8
W 11		2.0	11.9
E 8		5.5	8.4
E 20		6.3	7.6
E 29		9.9	4.0



4-29-60

STA. N. 173+00; 0+00 = W. 10, 817.82

Sta	+	H.I.	-	Elev	Bearing
0		13.90	4.3	9.6	N. 14° 30' W
W 11			2.0	11.9	B/L Dist.
E 6			5.9	8.0	51.645
E 21			6.7	7.2	
E 30			10.2	3.7	

STA. N. 172+50; 0+00 = W. 10, 804.89

0			4.2	9.7	
W 7			2.4	11.5	
E 19			6.0	7.9	
E 29			8.9	5.0	
E 31			10.1	3.8	
TR	8.60	15.90	6.60	7.30	

STA. N. 172+00; 0+00 = W. 10, 791.96

0			2.0	13.0	
E 3			2.5	13.4	
E 18			7.7	8.4	
E 25			9.3	6.6	
E 27			12.4	3.5	

STA. N. 171+50; 0+00 = W. 10, 779.03 = P.I. N. 14° 30' W

0			2.8	13.1	
E 3			3.1	12.8	
E 11			5.5	10.4	
E 13			10.5	5.4	

N. 8° 50' W

STA. N. 171+00; 0+00 = W. 10, 771.28

Sta	+	H.I.	-	Elev	Bearing
0		15.90	3.1	12.8	N. 8° 50' W
E 5			3.6	12.3	B/L Dist.
E 15			7.1	8.8	50.47'
E 16			11.6	4.3	

STA. N. 170+50; 0+00 = W. 10, 763.53

0			2.9	13.0	
E 11			5.5	10.4	
E 25			10.7	5.2	
E 26			12.8	3.1	

STA. N. 170+00; 0+00 = W. 10, 755.78

0			2.8	13.1	
E 8			4.6	11.3	
E 26			11.0	4.9	
E 28			12.7	3.2	

STA. N. 169+50; 0+00 = W. 10, 748.03

0			2.5	13.4	
E 9			5.4	10.5	
E 29			12.5	3.4	



4-29-60

STA. N. 169+00; 0+00 = W. 10, 740.28

Sta	+	H. I	-	Elev
0		15.90	3.2	12.7
E 10			5.6	10.3
E 29			11.9	4.0
E 31			15.6	0.3

STA. N. 168+50; 0+00 = W. 10, 732.53

0		2.9	13.0
E 18		8.5	7.4
E 30		12.5	3.4
E 32		15.5	0.4

STA. N. 168+00; 0+00 = W. 10, 724.78

0		3.5	12.4
E 23		10.0	5.9
E 27		14.4	1.5
E			

STA. N. 167+50; 0+00 = W. 10, 717.03

0		3.1	12.8
E 7		4.9	11.0
E 20		8.4	7.5
E 23		12.6	3.3

STA. N. 167+00; 0+00 = W. 10, 709.28

Sta	+	H. I	-	Elev
0		15.90	2.6	13.3
E 21			8.9	7.0
E 27			12.3	3.6

STA. N. 166+50; 0+00 = W. 10, 701.53

0		2.8	13.1
E 15		7.0	8.9
E 21		9.1	6.8
E 25		12.1	3.8

TP. 4.57 13.90 6.57 9.33

STA. N. 166+00; 0+00 = W. 10, 693.78

0		1.2	12.7
E 10		3.7	10.2
E 22		7.7	6.2
E 28		10.3	3.6

STA. N. 165+50; 0+00 = W. 10, 686.03

0		1.7	12.2
E 10		4.1	9.8
E 30		10.2	3.7
E			



4-29-60

STA. N. 165+00; 0+00 = W. 10, 678.28

Sta	+	H.I.	-	Elev
0		13.90	1.9	12.0
E13			4.8	9.1
E26			8.6	5.3
E28			10.1	3.8

STA. N. 164+50; 0+00 = W. 10, 670.53

0			2.7	11.2
E11			4.3	9.6
E23			8.2	5.7
E26			10.3	3.6

STA. N. 164+00; 0+00 = W. 10, 662.78

0	Fill from Bear Pond	5.6	8.3	
E12		7.2	6.7	
E20		8.7	5.2	
E24		10.5	3.4	

STA. N. 163+50; 0+00 = W. 10, 655.03

0		8.5	5.4	
E15		8.6	5.4	
E18		10.3	3.6	

15

STA. N. 163+00; 0+00 = W. 10, 647.28

Sta	+	H.I.	-	Elev	N 8° 50' W
0		13.90	9.0	4.9	
E14			9.3	4.6	
E16			11.8	2.1	

STA. N. 162+50; 0+00 = W. 10, 639.53

0			8.6	5.3
E11			9.0	4.9
E15			11.0	2.9

STA. N. 162+00; 0+00 = W. 10, 631.78

0			8.9	5.0
E12			9.0	4.9
E15			11.7	2.2

STA. N. 161+50; 0+00 = W. 10, <sup>PT.</sup>624.03 N 8° 50' W

0			9.0	4.9
E14			9.4	4.5
E16			11.8	2.1



4-29-60

STA. N. 161+00; 0+00 = W. 10, 634.66

Sta	+	H.I.	-	Elev
0		13.90	9.0	4.9
E23			9.2	4.7
E25			10.9	3.0
E				

STA. N. 160+50; 0+00 = W. 10, 645.29

Sta	+	H.I.	-	Elev	Angle
0		8.9	5.0		N 12° E
E17			9.0	4.9	51.117'
E21			10.5	3.4	

STA. N. 160+00; 0+00 = W. 10, 655.91

Sta	+	H.I.	-	Elev
0		8.8	5.1	
E19			8.8	5.1
E22			10.8	3.1

STA. N. 159+50; 0+00 = W. 10, 666.54

Sta	+	H.I.	-	Elev
0		9.0	4.9	
E20			8.9	5.0
E21			10.6	3.3

STA. N. 159+00; 0+00 = W. 10, 677.17

Sta	+	H.I.	-	Elev	Angle
0		13.90	9.1	4.8	N 12° E
E16			9.2	4.7	
E19			10.9	3.0	

STA. N. 158+50; 0+00 = W. 10, 687.80

Sta	+	H.I.	-	Elev	Angle
0		9.1	4.8		64.338
E6			9.4	4.5	
E7			10.7	3.2	

STA. N. 158+00; 0+00 = W. 10, 728.29 N. 39° E

Sta	+	H.I.	-	Elev
0		9.6	4.3	
E7			9.8	4.1
E9			11.5	2.4

STA. N. 157+50; 0+00 = W. 10, 768.78

Sta	+	H.I.	-	Elev
0		9.8	4.1	
E17			9.8	4.1
E19			11.4	2.5



STA. N. 157+00; 0+00 = W. 10, 809.265

Sta	+	H. I.	-	Elev
0		13.90	9.7	4.2
E 15			9.9	4.0
E 20			12.3	1.6

T.B.M. 6.91 6.99 7.02

STA. N. 156+50; 0+00 = W. 10, 546.53

STA. N. 156+00; 0+00 = W. 10, 538.15

STA. N. 155+50; 0+00 = W. 10, 531.03

STA. N. 155+00; 0+00 = W. 10, 523.93

Sta	+	H. I.	-	Elev
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Top C.I. Cover outlet pipe to Rose Creek  
SE. Cor. Bean Pond

STA. N. 154+50; 0+00 = W. 10, 515.53

STA. N. 154+00; 0+00 = W. 10, 507.29

STA. N. 153+50; 0+00 = W. 10, 500.83



STA. N. 153+00; 0+00 = W. 10' 17.28

Sta + H. 1 - Elev

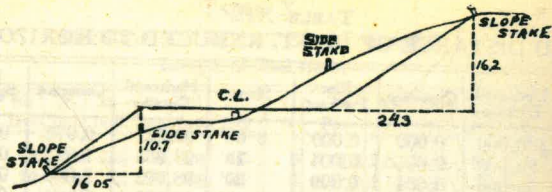
STA. N. 152+50; 0+00 = W. 10' 15.53

STA. N. 152+00; 0+00 = W. 10' 14.28

20

IMPROVED TABLE  
INFORMATION





DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1 1/4 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.

4) 150 / 37.5  
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1875  
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78.75  
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 108.75  
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W140-5780

Van Sant.

\$ 300<sup>00</sup> = 2-sets

Navme Electronics Byron St.

Mikes = Comb. Mike + Speaker

8-Min Penn. Lite

"  
MOOSE" NS200.08  
W13699.44