

MISSION BAY

No. 20

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NO. 20

LEVEL DUMP

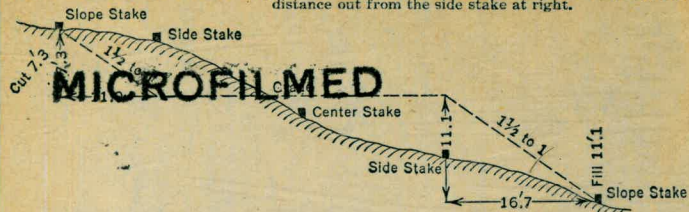
1878

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**DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING**  
 Roadway of any Width, Side Slopes 1 1/2 to 1.

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



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

KEUFFEL & ESSER CO., N. Y.

12.321-4. kh, c, yx. chss.

D-3-71+44

43+17  
 8+27

51+44

67+44

71+44

BOOK # 20

The paper in this book No. 373A

is made of 50% high grade rag stock

with a WATER RESISTING surface sizing.



INDEX

PAGES

DATE

DIST

SOUND

FINAL SOUNDINGS PROJ. # 8 STA - 10-30-47  
 -103+00 (CONT. FROM LAST PAGE THIS BS.)  
DIST SOUND

1-55 ORIGINAL SOUNDINGS OF PROPOSED

EAST BAY CHANNEL SECTION "D" 8-14-44

56-73 ORIGINAL SOUNDINGS OF PROPOSED

EAST BAY CHANNEL SECTION "E" 8-21-44

74-77 ORIGINAL SOUNDINGS OF PROPOSED

EAST BAY CHANNEL SECTION "F" 8-21-44

78, 79-1 PROJ NO. 8. FINAL SOUNDING STA 103+00 <sup>10-30-47</sup>

DIST	SOUND		DIST	SOUND	
11+60	13.2	-7.8	13+60	13.0	-7.7
	13.9	-8.0		13.0	—
(5.4)	13.9	—	(5.3)	13.1	-7.8
	13.1	-7.7		14.3	-9.0
	13.1	—	14+00	15.0	-9.7
	13.0	-7.6	11:50	15.1	-9.8
	13.0	—		15.3	-10.0
(5.4)	13.0	—		15.0	-9.7
11:48	13.2	-7.8		13.9	-8.9
50	13.2	-7.9	50	12.8	-7.5
(5.3)	13.2	—		12.7	-7.4
	13.0	-7.7		12.7	—
	13.0	—		12.8	-7.5
	13.1	-7.8		12.8	—
13+00	13.1	—	15+00	12.7	-7.4
	13.2	-7.9		12.6	-7.3
	13.9	-8.1		12.9	-7.6
	13.9	—		13.0	-7.7
	13.9	—		13.0	—
3+50	13.2	-7.9	15+50	13.0	—



10-36-97

DIST	SOUND	103+00	DIST	SOUND
15+60	13.0	-7.7	17+60	12.8
	12.9	-7.6		12.8
(5.3)	12.8	-7.5	(5.3)	12.0
	12.7	-7.4		11.0
16+00	12.5	-7.2	18+00	11.0
	12.4	-7.1	<u>11:55</u>	
	12.5	-7.2		
	13.3	-8.0		
	13.0	-7.7		
50	13.0	—		
	13.9	-8.6		
	13.6	-8.3		
	13.9	-8.6		
	13.4	-8.1		
17+00	13.3	-8.0		
	13.1	-7.8		
	13.3	-8.0		
	13.0	-7.7		
	13.0	—		
17+50	13.0	—		

ORIGINAL

SOUNDINGS OF PROPOSED EAST

BAY CHANNEL

SECTION "D"

NOTE - ALL SECTIONS UNLESS OTHERWISE INDICATED

ARE AT 90° TO OFFSET LINE (2/4).

*Indexed*



8-14-47

Py

43+16.83 "D"

0+00=STA. 43+16.83 ON 100' OFFSET LINE

DIST	SOUND	DIST	SOUND	SOUTH
		1+80	2.0	+0.3
0+00	1.9	1+30	2.1	+0.8
1+27	1.9	2+00	2.1	+0.8
(2.9)	1.9	(2.9)	2.1	+0.8
	1.9		2.1	+0.8
	2.0		2.2	+0.7
50	2.0		2.2	+0.7
	2.0	50	2.3	+0.6
	2.0		2.7	+0.2
	2.0		3.2	-0.1
	2.0		3.4	-0.5
1+00	2.0		3.5	-0.6
	2.0	3+00	3.8	-0.8
	2.0		4.0	-1.1
	2.0		4.0	-1.1
	2.2		4.1	-1.2
50	2.1		4.1	-1.2
	2.0	50	4.2	-1.2
1+70	2.0	3+60	4.1	-1.2

D

43+16.83 "D" 8-14-47

DIST SOUND

DIST SOUND

3+70 4.1 -1.2

1+33 4.1 -1.2

4+00 4.0 -1.1

4+00 4.2 -1.3

(2.9) 4.2 -1.3

4.1 -1.2

4.1 -1.2

4.0 -1.1

50 3.8 -0.9

3.6 -0.7

3.5 -0.6

3.1 -0.2

3.0 -0.1

5+00 2.6 +0.3

-1.1

-1.1

-1.2

-1.2

-1.2

-1.2

(2)



8-14-47

PX

44+00 "D"

0+00=STA-44+00 ON 100' OFFSET LINE: SOUND

DIST	SOUND	DIST	SOUND
0+00	1.5 +1.5	1+80	1.5 +1.5
<u>14:42</u>	1.6 +1.4		1.6 +1.4
	1.7 +1.3	2+00	1.6 +1.4
(3.0)	1.7 +1.3	(3.0)	1.6 +1.4
	1.7 +1.3		1.6 +1.4
50	1.6 +1.4		1.7 +1.3
	1.6 +1.4		1.8 +1.2
	1.6 +1.4	50	1.9 +1.1
	1.6 +1.4		2.1 +0.3
	1.6 +1.4		2.4 +0.0
1+00	1.6 +1.4	<u>14:48</u>	2.8 +0.0
	1.5 +1.5		3.0 0.0
	1.5 +1.5	3+00	3.2 -0.2
	1.5 +1.5		3.4 -0.1
	1.5 +1.5		3.6 -0.1
50	1.5 +1.5		4.0 -1.0
<u>14:45</u>	1.5 +1.5		3.8 -0.0
1+70	1.5 +1.5	3+50	3.8 -0.0

PX

44+00 "D"

8-14-47

(3)

DIST SOUND DIST SOUND

3+60	3.8	-0.8
<u>14:50</u>	4.0	-1.0
	4.0	-1.0
	4.2	-1.2
4+00	4.3	-1.3
(3.0)	4.0	-1.0
	4.0	-1.0
	4.0	-1.0
	4.0	-1.0
50	4.0	-1.0
	3.8	-0.8
	3.8	-0.8
	3.7	-0.7
	3.5	-0.5
4+00	3.2	-0.2
	3.4	-0.1
	3.6	-0.1
	4.0	-1.0
	3.8	-0.0
	3.8	-0.0



PX

45+00 "D"

8-14-47

DIST

SOUND

45+00 "D"

8-14-47

(4)

DIST

SOUND

2+00 = STA 95+00 ON 100' OFFSET LINE: SOUND SOUTH

3+60

3.5

-0.4

DIST SOUND

DIST SOUND

3.6

-0.5

0+00

1.5

+1.6

1+80

1.5

+1.6

3.6

-0.5

14:57

1.7

+1.4

15:00

1.5

+1.6

3.7

-0.6

1.7

+1.4

2+00

1.5

+1.6

4+00

3.8

-0.7

(3.1)

1.6

+1.5

(3.1)

1.6

+1.5

(3.1)

4.0

-0.9

1.5

+1.6

1.6

+1.5

4.0

-0.9

50

1.5

+1.6

1.6

+1.5

4.0

-0.9

1.5

+1.6

1.6

+1.5

4.4

-1.3

1.5

+1.6

50

1.8

+1.3

50

4.0

-0.9

1.5

+1.6

1.9

+1.2

15:05

4.2

-1.1

1.4

+1.7

2.0

+1.1

3.8

-0.7

1+00

1.4

+1.7

2.2

+0.9

3.8

-0.7

1.5

+1.6

2.4

+0.7

3.5

-0.4

1.5

+1.6

3+00

2.6

+0.5

5+00

3.4

-0.3

1.5

+1.6

2.9

+0.2

1.5

+1.6

3.0

+0.1

30

1.5

+1.6

3.2

-0.1

1.5

+1.6

3.3

-0.2

1+70

1.5

+1.6

3+50

3.5

-0.4



DX

46+00 "D"

8-15-47

DX

46+00 "D"

8-15-47

(5)

DIST SOUND

DIST SOUND

0+00 = STA-46+00 ON 100' OFFSET LINE: SOUND SOUTH

3+60 3.7 +0.3

3.4 +0.6

3.5 +0.5

3.7 +0.3

4+00 3.7 +0.3

(4.0) 3.8 +0.2

4.2 -0.2

4.5 -0.5

4.6 -0.6

50 4.4 -0.4

4.4 -0.4

4.4 -0.4

4.6 -0.6

5.3 -1.3

5+00 5.5 -1.5

3.2 +0.2

3.5 +0.5

3.7 +0.7

3.7 +0.7

3.6 +0.6

DIST SOUND

DIST SOUND

0+00 2.2 +1.8

1+80 2.4 +1.6

09:03 2.2 +1.8

2.4 +1.6

2.2 +1.8

2+00 2.4 +1.6

(4.0) 2.3 +1.7

(4.0) 2.4 +1.6

2.3 +1.7

2.4 +1.6

50 2.3 +1.7

2.4 +1.6

2.2 +1.8

2.5 +1.7

2.2 +1.8

50 2.5 +1.7

2.2 +1.8

2.5 +1.7

2.3 +1.7

2.6 +1.8

1+00 2.3 +1.7

2.8 +1.9

2.3 +1.7

2.8 +1.9

2.3 +1.7

3+00 2.9 +2.0

2.3 +1.7

3.2 +2.1

2.3 +1.7

3.5 +2.2

50 2.3 +1.7

3.7 +2.3

09:05 2.3 +1.7

3.7 +2.3

1+70 2.3 +1.7

3+50 3.6 +2.4



PX		47+00 "D"		8-15-47		PX		47+00 "D"		8-15-47		(6)
		0+00 = STA 47+00 ON 100' OFFSET LINE		SOUND SOUTH		DIST SOUND		DIST SOUND				
						3+60	3.1	+1.0				
							3.3	+0.8				
0+	DIST	SOUND		DIST	SOUND		3.2	+0.9				
	0+00	2.6	+1.5	1+80	2.5	+1.6						
	<u>09:15</u>	2.5	+1.6		2.5	+1.6		3.1	+1.0			
		2.3	+1.8	2+00	2.5	+1.6	4+00	3.1	+1.0			
	(4.1)	2.3	+1.8	(4.1)	2.5	+1.6	(4.1)	3.1	+1.0			
		2.3	+1.8		2.5	+1.6	<u>09:23</u>	3.3	+0.8			
	50	2.4	+1.7		2.5	+1.6		3.4	+0.7			
		2.3	+1.8	<u>09:20</u>	2.6	+1.5		3.4	+0.7			
		2.3	+1.8	50	2.6	+1.5	50	3.5	+0.6			
		2.4	+1.7		2.6	+1.5		3.5	+0.6			
		2.4	+1.7		2.7	+1.4		3.6	+0.5			
	1+00	2.4	+1.7		2.8	+1.3		3.8	+0.3			
		2.5	+1.6		2.8	+1.3		4.0	+0.1			
		2.5	+1.6	3+00	2.8	+1.3	5+00	4.3	-0.2			
		2.5	+1.6		2.9	+1.2	<u>09:25</u>					
		2.5	+1.6		3.1	+1.0						
	50	2.5	+1.6		3.1	+1.0						
	<u>09:18</u>	2.5	+1.6		3.0	+1.1						
	1+70	2.5	+1.6	3+50	3.0	+1.1						



PX 48+00 "D" 8-15-47

0+00=STA-48+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND	DIST	SOUND
0+00	2.4 +1.9	1+80	2.5 +1.8
<u>09:34</u>	2.4 +1.9		2.5 +1.8
	2.3 +2.0	2+00	2.7 +1.6
(4.3)	2.1 +2.2	(4.3)	2.7 +1.6
	2.3 +2.0		2.7 +1.6
50	2.4 +1.9	<u>09:40</u>	2.7 +1.6
	2.4 +1.9		2.7 +1.6
	2.4 +1.9	50	2.7 +1.6
	2.4 +1.9		2.7 +1.6
	2.4 +1.9		2.7 +1.6
1+00	2.4 +1.9		2.7 +1.6
	2.5 +1.8		2.8 +1.5
<u>09:38</u>	2.5 +1.8	3+00	2.8 +1.5
	2.5 +1.8		2.8 +1.5
	2.6 +1.7		2.9 +1.4
50	2.7 +1.6		3.0 +1.3
	2.6 +1.7		3.0 +1.3
1+70	2.5 +1.8	3+50	3.0 +1.3

PX 48+00 "D" 8-15-47 (7)

DIST SOUND DIST SOUND

DIST	SOUND	DIST	SOUND
3+60	3.2 +1.1		
	3.3 +1.0		
	3.4 +0.9		
<u>09:43</u>	3.6 +0.7		
4+00	3.8 +0.5		
(4.3)	3.9 +0.4		
	4.0 +0.3		
	4.1 +0.2		
	4.3 0.0		
50	4.3 0.0		
	4.4 -0.1		
	4.5 -0.2		
	4.6 -0.3		
	4.8 -0.5		
5+00	4.9 -0.6		

09:45



DX

49+00 "D"

8-15-47

DIST

SOUND

49+00 "D"

8-15-47

(8)

DIST

SOUND

0+00 = STA-49+00 ON 100' OFFSET LINE: SOUND SOUTH.

3+60

3.1

+1.3

DIST

SOUND

DIST

SOUND

09:58

3.2

+1.2

0+00

2.4

+2.0

1+80

2.9

+1.5

3.2

+1.2

09:51

2.4

+2.0

2.9

+1.5

3.3

+1.1

2.5

+1.9

2+00

2.9

+1.5

4+00

3.3

+1.1

2.6

+1.8

09:55

2.9

+1.5

3.4

+1.0

(4.4)

2.7

+1.7

(4.4)

2.9

+1.5

(4.4)

3.4

+1.0

50

2.7

+1.7

2.9

+1.5

3.5

+0.9

2.5

+1.9

2.9

+1.5

3.5

+0.9

2.4

+2.0

50

2.9

+1.5

50

3.7

+0.7

2.3

+2.1

2.9

+1.5

3.8

+0.6

2.3

+2.1

2.9

+1.5

3.8

+0.6

1+00

2.3

+2.1

2.9

+1.5

09:30

4.0

+0.4

2.4

+2.0

2.9

+1.5

4.0

+0.4

2.4

+2.0

3+00

3.0

+1.4

5+00

4.4

0.0

2.5

+1.9

3.0

+1.4

2.6

+1.8

3.0

+1.4

50

2.6

+1.8

3.0

+1.4

2.7

+1.7

3.1

+1.3

1+70

2.8

+1.6

3+50

3.1

+1.2



PX

50+00 "D"

8-15-47

PX

50+00 "D"

8-15-47

(9)

0+00=STA-50+00 ON 100' OFFSET LINE: SOUND SOUTH

3+60

3.3

+1.1

DIST SOUND

DIST SOUND

3.3

+1.1

0+00

2.4

+2.0

1+80

2.9

+1.5

3.4

+1.0

43+17

10:08

2.4

+2.0

3.0

+1.4

3.3

+1.1

1000

173

5127

51144.1

2.4

+2.0

2+00

3.0

+1.4

4+00

3.3

+1.1

827

1000.2

1000.3

(4.4)

2.4

+2.0

(4.4)

3.1

+1.3

(4.4)

3.3

+1.1

7144

2.4

+2.0

10:12

3.0

+1.4

3.4

+1.0

50

2.4

+2.0

3.0

+1.4

3.4

+1.0

2.4

+2.0

3.1

+1.3

3.7

+0.7

2.4

+2.0

50

3.1

+1.3

50

3.5

+0.9

2.4

+2.0

3.1

+1.3

3.7

+0.7

2.4

+2.0

3.2

+1.2

3.9

+0.5

1+00

2.4

+2.0

3.2

+1.2

3.8

+0.6

2.4

+2.0

3.2

+1.2

3.7

+0.7

2.4

+2.0

3+00

3.2

+1.2

5+00

3.7

+0.7

2.4

+2.0

3.2

+1.2

3.2

+1.2

2.5

+1.9

3.2

+1.1

50

2.5

+1.9

3.2

+1.2

2.7

+1.7

3.2

+1.2

1+70

2.8

+1.6

3+50

3.2

+1.1



PX

51+00 "D"

8-15-47

PX  
DIST SOUND

51+00 "D"

8-15-47

(20)

DIST SOUND

0+00 = STA-51+00 ON 100' OFFSET LINE: SOUND

SOUND

3+60

3.3

+1.0

DIST

SOUND

DIST

SOUND

10:40

3.4

+0.9

0+00

2.0

+2.3

1+80

2.7

+1.6

3.5

+0.8

10:33

2.0

+2.3

2.9

+1.4

3.5

+0.8

2.0

+2.3

2+00

2.9

+1.6

4+00

3.5

+0.8

(4.3)

2.2

+2.1

(4.3)

3.0

+1.3

(4.3)

3.6

+0.7

2.1

+2.2

3.1

+1.2

3.6

+0.7

50

2.1

+2.2

3.2

+1.1

3.5

+0.8

2.1

+2.2

10:38

3.2

+1.1

3.4

+0.9

2.1

+2.2

50

3.2

+1.1

50

3.4

+0.9

2.3

+2.0

3.2

+1.1

3.4

+0.9

2.0

+2.3

3.1

+1.2

3.5

+0.8

1+00

2.0

+2.3

3.1

+1.2

3.8

+0.5

10:35

2.0

+2.3

3.2

+1.1

3.3

+0.4

2.1

+2.2

3+00

3.3

+1.0

5+00

4.0

+0.3

2.1

+2.2

3.2

+1.1

10:42

2.4

+1.9

3.3

+1.0

50

2.5

+1.8

3.3

+1.1

2.5

+1.8

3.3

+1.1

1+70

2.7

+1.6

3+50

3.3

+1.1



PX

52+00 "D"

8-15

PX

52+00 "D"

8-15-47

①

0+00 = STA-52+00 ON 100' OFFSET LINE: SOUND

DIST SOUND DIST SOUND

0+00 1.7 +2.5 1+80 2.8 +1.4

10:48 1.7 +2.5 2.9 +1.2

1.8 +2.4 2+00 3.0 +1.2

(4.2) 1.9 +2.3 (4.2) 3.0 +1.2

1.9 +2.3 3.1 -1.1

50 1.9 +2.3 3.2 +1.0

2.0 +2.2 10:50 3.2 +1.0

2.0 +2.2 50 3.3 +0.9

2.0 +2.2 3.2 +0.8

2.1 +2.1 3.2 +1.0

1+00 2.1 +2.1 3.3 +0.9

2.3 +1.9 3.3 +0.9

2.4 +1.8 3+00 3.3 +0.8

2.4 +1.8 3.4 +0.8

2.4 +1.8 3.4 +0.8

50 2.4 +1.8 3.4 +0.8

2.5 +1.7 3.4 +0.8

1+70 2.7 +1.5 3+50 3.4 +0.8

DIST SOUND

3+60 3.4 +0.8

3.4 +0.8

3.5 +0.7

3.7 +0.7

4+00 4.0 +0.2

(4.2) 4.0 +0.2

3.8 +0.4

4.4 -0.2

4.0 +0.2

50 4.0 +0.2

4.4 -0.2

4.5 -0.3

4.7 -0.5

5.0 -0.8

5+00 5.4 -1.2

3.4 +0.8

3.4 +0.8

3.4 +0.8

3.4 +0.8



PX.

53+00 "D"

8-15-47

PX.  
DIST SOUND

53+00 "D" 8-15-47

(12)

DIST SOUND

0400=STA-53700 ON 100' OFFSET LINE: SOUND SOUTH

3+60 4.3 -0.1

DIST SOUND DIST SOUND

4.5 -0.3

0700 2.0 +2.2 1+80 2.5 +1.7

4.6 -0.4

11:00

1.8 +2.4 2.5 +1.7

4.9 -0.5

1.8 +2.4 2+00 2.5 +1.7

4+00 5.0 -0.8

(4.2) 1.9 +2.3 (4.2) 2.9 +1.3

(4.2) 5.3 -1.1

1.9 +2.3 3.0 +1.2

5.6 -1.4

50 1.9 +2.3 3.0 +1.2

6.2 -2.0

1.9 +2.3 3.0 +1.2

6.7 -2.5

1.9 +2.3 50 3.1 +1.1

50 7.0 -2.8

1.9 +2.3 3.1 +1.1

7.1 -2.9

1.9 +2.3 3.2 +1.0

7.5 -3.3

1+00 2.0 +2.2 3.3 +0.9

8.0 -3.8

2.3 +1.9 3.4 +0.8

7.7 -3.5

2.3 +1.9 3+00 3.5 +0.7

5+00 7.2 -3.0

2.3 +1.9 3.6 +0.6

11:05

2.3 +1.9 3.9 +0.3

50 2.4 +1.8 4.1 +0.1

2.5 +1.7 4.1 +0.1

1+70 2.5 +1.7 3+50 4.1 +0.1



PX

54+00 "D"

8-15-47

DIST SOUND

54+00 "D"

8-15-47

(13)

0+00 = STA-54+00 ON 100' OFFSET LINE; SOUND SOUTH

DIST SOUND DIST SOUND

0+00 2.2 +1.9 1+80 2.9 +1.2

11:09

2.0 +2.1 3.1 +1.0

2.0 +2.1 2+00 3.2 +0.9

(4.1) 2.0 +2.1 (4.1) 3.4 +0.7

2.0 +2.1 3.5 +0.6

50 1.8 +2.3 3.7 +0.4

2.0 +2.1 3.9 +0.3

1.8 +2.3 50 4.1 0.0

1.9 +2.2 4.2 -0.1

2.2 +1.9 4.4 -0.3

1+00 2.2 +1.9 4.5 -0.4

2.2 +1.9 4.8 -0.7

2.5 +1.6 3+00 5.0 -0.9

2.4 +1.7 5.1 -1.0

2.4 +1.7 5.3 -1.2

50 2.4 +1.7 5.4 -1.3

2.4 +1.7 5.8 -1.7

1+70 2.5 +1.6 3+50 6.0 -1.9

3+60 6.2 -2.1

6.4 -2.3

6.4 -2.3

6.5 -2.4

4+00 6.6 -2.5

(4.1) 6.7 -2.6

6.8 -2.7

7.2 -3.1

7.4 -3.3

50 7.5 -3.4

7.4 -3.3

7.4 -3.3

7.4 -3.3

7.2 -3.1

5+00 7.2 -3.1

11:14



PX

55+00 'D'

8-15-47

PX  
DIST SOUND

55+00 'D'

8-15-47

(14)

DIST SOUND

0+00 = STA - 55+00 ON 100' OFFSET LINE: SOUND SOUTH

3+60 6.0 -2.8

DIST SOUND DIST SOUND

6.1 -2.9

0+00 1.5 +1.7 1+80 2.9 +0.2

6.2 -3.0

12:51 1.5 +1.7 3.1 +0.1

6.5 -3.3

1.5 +1.7 2+00 3.7 -0.5

4+60 6.7 -3.5

(3.2) 1.5 +1.7 (3.2) 4.0 -0.8

(3.2) 6.7 -3.5

1.5 +1.7 4.1 -0.9

6.5 -3.3

50 1.5 +1.7 4.3 -1.1

6.5 -3.3

1.5 +1.7 4.6 -1.4

6.3 -3.1

1.8 +1.4 50 4.8 -1.6

50 6.0 -2.8

1.8 +1.4 5.2 -2.0

5.9 -2.5

1.8 +1.4 5.2 -2.0

5.7 -2.5

1+00 1.9 +1.3 5.5 -2.3

5.9 -2.5

2.0 +1.2 5.9 -2.7

4.5 -1.3

2.1 +1.1 3+00 6.0 -2.8

5+00 4.0 -0.8

2.2 +1.0 6.0 -2.8

2.36

2.3 +0.9 6.1 -2.9

50 2.7 +0.5 6.1 -2.9

2.8 +0.4 6.0 -2.8

1+70 2.8 +0.4 3+50 6.0 -2.8



PX

56+00

"D"

8-15-47

10+00 = STA - 56+00 ON 100' OFFSET LINE. SOUND SOUTH

DIST	SOUND	DIST	SOUND		
0+00	2.8	+0.3	1+80	5.9	-2.8
<u>13:01</u>	2.8	+0.3		6.0	-2.9
	3.0	+0.1	2+00	6.0	-2.9
(3.1)	3.2	-0.1	(3.1)	6.1	-3.0
	3.2	-0.1		6.1	-3.0
50	3.2	-0.1		6.1	-3.0
	3.2	-0.1		6.1	-3.0
	3.2	-0.1	50	6.1	-3.0
	3.4	-0.3		6.2	-3.1
	3.8	-0.7		6.3	-3.2
1+00	3.8	-0.7		6.3	-3.2
	3.8	-0.7		6.3	-3.1
	3.8	-0.7	3+00	6.2	-3.1
	4.0	-0.9		5.9	-2.8
	4.3	-1.2		5.7	-2.6
50	4.8	-1.7		5.6	-2.5
	5.0	-1.9		5.6	-2.5
1+70	5.4	-2.3	3+50	5.5	-2.4

PX

56+00

"D"

8-15-47

(15)

DIST SOUND

DIST SOUND

DIST	SOUND	DIST	SOUND
3+00	5.5	-2.4	
	5.5	-2.4	
	5.0	-1.9	
(3.1)	4.6	-1.5	
4+00	4.0	-0.9	
<u>13:05</u>	3.6	-0.5	
	3.6	-0.5	
	3.6	-0.5	
50	3.6	-0.5	
	3.6	-0.5	
50	3.6	-0.5	
	3.6	-0.5	
	3.8	-0.7	
	3.8	-0.7	
	4.0	-0.9	
5+00	4.0	-0.9	



Pix

57+00

"D"

8-15-47

DIST SOUND

57+00 "D"

8-15-47

(16)

0+00=STA-57+00 ON 100' OFFSET LINE: SOUND SOUTH

3+60 3.2 -0.2

DIST SOUND

DIST SOUND

3.1 -0.1

0+00 5.0 -2.0 1+80 6.1 -3.1

3.0 0.0

13:12

5.0 -2.0 6.2 -3.2

3.0 0.0

5.0 -2.0 2+00 6.2 -3.2

4+00 3.0 0.0

(3.0)

4.7 -1.7 (3.0) 6.2 -3.2

(3.0) 3.4 -0.4

4.7 -1.7 6.0 -3.0

3.2 -0.2

50 5.0 -2.0 5.8 -2.8

3.3 -0.3

5.2 -2.2 6.0 -3.0

3.7 -0.7

5.4 -2.4 50 5.4 -2.4

50 4.0 -1.0

5.5 -2.5 5.1 -2.1

4.4 -1.4

5.8 -2.8 13:15 5.0 -2.0

4.5 -1.5

1+00 6.1 -3.1 4.2 -1.2

4.7 -1.7

6.0 -3.0 4.0 -1.0

4.5 -1.5

6.0 -3.0 3+00 4.0 -1.0

5+00 4.4 -1.4

5.8 -2.8 3.9 -0.9

13:18

5.7 -2.7 3.6 -0.6

50 5.7 -2.7 3.5 -0.5

5.7 -2.7 3.3 -0.3

1+70 5.8 -2.8 3+50 3.2 -0.2



PX

58+00 "D"

8-15-47

PX  
DIST SOUND

58+00 "D" 8-15-47

(17)

DIST SOUND

0+00=STA-58+00 ON 100' OFFSET LINE: SOUND SOUTH

3+60 2.7 +0.1

DIST SOUND DIST SOUND

2.7 +0.1

0+00 5.0 -2.2 1+80 3.8 -1.0

2.7 +0.1

13:24

5.0 -2.2 3.6 -0.8

2.7 +0.1

5.0 -2.2 2+00 3.5 -0.7

4+00 2.7 +0.1

(2.8) 5.1 -2.3 (2.8) 3.3 -0.5

(2.8) 2.9 -0.1

5.1 -2.3 3.0 -0.2

3.0 -0.2

50 5.2 -2.4 3.0 -0.2

3.4 -0.6

5.2 -2.4 3.0 -0.2

4.0 -1.2

5.3 -2.5 50 3.0 -0.2

50 4.8 -2.0

5.3 -2.5 3.0 -0.2

5.8 -3.0

5.1 -2.3 3.0 -0.2

5.6 -2.8

1+00 5.0 -2.2 3.0 -0.2

5.8 -3.0

4.8 -2.0 13:27 3.0 -0.2

4.5 -1.7

4.7 -1.9 3+00 2.9 -0.1

5+00 3.5 -0.7

4.6 -1.8 2.9 -0.1

2.30

4.4 -1.6 2.9 -0.1

50 4.2 -1.4 2.9 -0.1

4.0 -1.2 2.8 0.0

1+70 3.9 -1.1 3+50 2.7 +0.1



PX

59+00 "D"

8-15-47

P  
DIST

SOUND

59+00 "D"

8-15-47

DIST SOUND

(18)

0+00=STA-59+00 ON 100' OFFSET LINE. SOUND SOUTH

3+60

2.2

+0.5

DIST SOUND

DIST SOUND

2.3 +0.4

0+00 4.7 -2.0 1+80 2.8 -0.1

2.3 +0.4

13:35

4.6 -1.9 2.8 -0.1

2.3 +0.4

4.6 -1.9 2+00 2.7 0.0

4+00

2.3 +0.4

(2.7)

4.3 -1.6 (2.7) 2.7 0.0

(2.7)

2.3 +0.4

4.2 -1.5 2.7 0.0

2.5 +0.2

50 4.1 -1.4 2.5 +0.2

2.7 0.0

4.0 -1.3 2.5 +0.2

2.9 -0.2

3.8 -1.1 50 2.5 +0.2

50

3.1 -0.4

3.6 -0.9 2.4 +0.3

5.5 -2.8

3.5 -0.8 2.3 +0.4

7.2 -4.5

1+00 3.4 -0.7 2.4 +0.3

7.0 -4.3

3.1 -0.4 2.4 +0.3

7.1 -4.4

3.0 -0.3 3+00 2.3 +0.4

5+00

6.5 -3.8

3.0 -0.3 2.3 +0.4

13:40

2.9 -0.2 2.3 +0.4

50 2.8 -0.1 2.3 +0.4

2.8 -0.1 2.2 +0.5

1+70 2.9 -0.2 3+50 2.2 +0.5



PX

60+00 "D"

8-15-47

0+00 STA-60+00 ON 100' OFFSET LINE, SOUND SOUTH

DIST	SOUND	DIST	SOUND
0+00	3.0 -0.3	1+80	2.0 +0.7
<u>13:45</u>	2.9 -0.2	<u>13:48</u>	2.0 +0.7
	2.8 -0.1	2+00	2.0 +0.7
(2.7)	2.8 -0.1	(2.7)	2.0 +0.7
	2.7 0.0		2.0 +0.7
50	2.6 +0.1		2.0 +0.7
	2.5 +0.2		2.0 +0.7
	2.5 +0.2	50	1.9 +0.8
	2.4 +0.3		1.8 +0.3
	2.4 +0.3		1.8 +0.3
1+00	2.4 +0.3		1.9 +0.8
	2.4 +0.3		1.9 +0.8
	2.3 +0.4	3+00	1.9 +0.8
	2.1 +0.6		1.8 +0.9
	2.1 +0.6		1.8 +0.9
50	2.0 +0.7		1.8 +0.9
	2.1 +0.6		1.8 +0.9
1+70	2.0 +0.7	3+50	1.8 +0.3

PX

60+00 "D"

8-15-47

(19)

DIST SOUND

DIST SOUND

DIST	SOUND	DIST	SOUND
3+60	2.0 +0.7		
<u>13:52</u>	1.8 +0.9		
	1.8 +0.9		
	1.7 +1.0		
4+00	1.7 +1.0		
(2.7)	1.7 +1.0		
	1.7 +1.0		
	1.7 +1.0		
50	1.6 +1.1		
	1.7 +1.0		
	1.9 +0.8		
	2.3 +0.4		
	2.9 -0.2		
5+00	6.1 -3.4		

13:55



PX

61+00 "D"

8-15-47

PX

61+00 "D"

8-15-47

(20)

0+00 = STA-61+00 ON 100' OFFSET LINE: SOUND SOUND

3+60 1.5 +1.1

DIST SOUND DIST SOUND

1.5 +1.1

0+00 2.1 +0.5 1+80 1.7 +0.9

1.5 +1.1

14:02 2.1 +0.5 1.7 +0.9

1.4 +1.2

2.1 +0.5 2+00 1.7 +0.9

4+00 1.4 +1.2

(2.6) 2.0 +0.6 (2.6) 1.6 +1.0 (2.6) 1.4 +1.2

2.0 +0.6 1.7 +0.9

1.4 +1.2

50 1.9 +0.7 1.7 +0.9

1.4 +1.2

1.9 +0.7 1.7 +0.9

14:12 1.4 +1.2

1.8 +0.8 50 1.6 +1.0 50 1.4 +1.2

1.8 +0.8 14:08 1.6 +1.0 1.7 +0.9

1.8 +0.8 1.6 +1.0 1.4 +1.2

1+00 1.8 +0.8 1.6 +1.0 1.3 +1.3

1.8 +0.8 1.6 +1.0 1.3 +1.3

1.7 +0.9 3+00 1.5 +1.1 5+00 1.4 +1.2

1.7 +0.9 1.5 +1.1

14:05 1.7 +0.9 1.5 +1.1

50 1.7 +0.9 1.5 +1.1

1.8 +0.8 1.5 +1.1

1+70 1.7 +0.9 3+50 1.5 +1.1



PX

62+00 "D"

8-18-47

PX

62+00 "D"

8-18-47  
BARRACKS  
SHERMAN  
&  
STANLEYCLOUDY  
WINDY (2)

0+00 = STA-62+00 ON 100' OFFSET LINE. SOUND SOUND

3+60 2.0 +1.4

DIST SOUND

DIST SOUND

2.0 +1.4

0+00 2.4 +1.0 1+80 2.0 +1.4

(3.5) 2.0 +1.4

09:28 2.4 +1.0 2.2 +1.2

2.0 +1.4

(3.4) 2.4 +1.0 2+00 2.0 +1.4

4+00 2.0 +1.4

2.4 +1.0 2.0 +1.4

2.0 +1.4

2.4 +1.0 2.1 +1.3

2.0 +1.4

50 2.2 +1.2 2.0 +1.4

2.0 +1.4

2.2 +1.2 2.2 +1.2

09:27 2.0 +1.4

2.1 +1.3 50 2.2 +1.2

50 2.2 +1.2

2.2 +1.2 2.1 +1.3

2.1 +1.3

2.2 +1.2 2.1 +1.3

2.1 +1.3

1+00 2.1 +1.3 2.0 +1.4

2.1 +1.3

09:30 2.1 +1.3 (3.4) 2.0 +1.4

2.1 +1.3

2.1 +1.3 3+00 2.0 +1.4

5+00 2.1 +1.3

2.1 +1.3 (3.5) 2.0 +1.4

09:302.1 +1.3 09:35 2.0 +1.4

50 2.0 +1.4 2.0 +1.4

2.0 +1.4 2.0 +1.4

1+70 2.1 +1.3 3+50 2.0 +1.4



FX

63+00 "D"

8-18-47

DX

63+00 "D"

8-18-47

(22)

0+00=STA-63+00 ON 100' OFFSET LINE: SOUND SOUTH

3+60 2.4 +1.3

DIST SOUND

DIST SOUND

2.4 +1.3

0+00 2.7 +1.0 1+80 2.4 +1.3

2.4 +1.3

03:47 2.7 +1.0 2.4 +1.3

2.5 +1.2

2.7 +1.0 2+00 2.4 +1.3

4+00 2.4 +1.3

(3.7) 2.7 +1.0 (3.7) 2.4 +1.3

(3.7) 2.4 +1.3

2.7 +1.0 2.5 +1.2

2.4 +1.3

50 2.8 +0.9 2.7 +1.0

2.4 +1.3

2.7 +1.0 2.7 +1.0

2.3 +1.4

2.6 +1.1 50 2.5 +1.2

50 2.3 +1.4

2.6 +1.1 2.4 +1.3

2.4 +1.3

2.5 +1.2 2.5 +1.2

2.4 +1.3

1+00 2.5 +1.2 2.5 +1.2

2.5 +1.2

2.5 +1.2 2.4 +1.3

2.5 +1.2

2.5 +1.2 3+00 2.4 +1.3

5+00 2.5 +1.2

2.5 +1.2 2.4 +1.3

03:51

2.5 +1.2 2.4 +1.3

50 2.4 +1.3 2.4 +1.3

2.4 +1.3 2.4 +1.3

1+70 2.4 +1.3 3+50 2.4 +1.3



PX

64+00

"D"

8-18-47

PX

64+00 "D"

8-18-47

(23)

60+00 = STA-64+00 ON 100' OFFSET LINE: SOUND SOUTH

3+60

2.7

+1.2

DIST SOUND

DIST SOUND

2.7

+1.2

0+00

3.0

+0.9

1+80

2.9

+1.0

2.7

+1.2

09:56

3.0

+0.9

2.8

+1.1

2.7

+1.2

3.1

+0.8

2+00

2.8

+1.1

4+00

2.7

+1.2

(3.9)

3.0

+0.9

(3.9)

2.8

+1.1

(3.9)

2.8

+1.1

3.0

+0.9

2.8

+1.1

2.7

+1.2

50

3.0

+0.9

2.7

+1.2

2.8

+1.1

3.0

+0.9

2.7

+1.2

2.8

+1.1

3.0

+0.9

50

2.7

+1.2

50

2.8

+1.1

3.0

+0.9

2.6

+1.2

2.7

+1.2

2.9

+1.0

2.6

+1.3

2.8

+1.1

1+00

2.9

+1.0

10:00

2.7

+1.2

2.8

+1.1

2.9

+1.0

2.6

+1.3

2.8

+1.1

2.8

+1.1

3+00

2.9

+1.0

5+00

2.7

+1.2

2.8

+1.1

2.8

+1.1

2.7

+1.2

2.8

+1.1

50

2.7

+1.2

2.7

+1.2

2.8

+1.1

2.8

+1.1

1+70

2.8

+1.1

3+50

2.8

+1.1







PX

66+00 "D"

8-18-47

PX  
DIST SOUND

66+00 "D"

8-18-47

(25)

0+00 = STA-66+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	3.9	+0.3	1+80	3.4	+0.8
<u>10:20</u>	3.8	+0.4		3.3	+0.9
	3.8	+0.4	2+00	3.2	+1.0
	3.5	+0.7		3.2	+1.0
(4.2)	3.5	+0.7	(4.2)	3.3	+0.9
50	3.5	+0.7	<u>10:25</u>	3.4	+0.8
	3.5	+0.7		3.4	+0.8
	3.5	+0.7	50	3.4	+0.8
	3.5	+0.7		3.4	+0.8
	3.4	+0.8		3.4	+0.8
1+00	3.4	+0.8		3.4	+0.8
	3.4	+0.8		3.4	+0.8
	3.4	+0.8	3+00	3.4	+0.8
	3.4	+0.8		3.4	+0.8
	3.4	+0.8		3.4	+0.8
50	3.4	+0.8		3.5	+0.7
	3.5	+0.7		3.5	+0.7
H 70	3.4	+0.8	3+50	3.4	+0.8

PX  
DIST SOUND

66+00 "D"

8-18-47

(25)

3+60 3.4 +0.8

4.0 +0.2

3.5 +0.7

3.6 +0.6

4+00 3.4 +0.8

10:28 3.4 +0.8

(4.2) 3.4 +0.8

3.5 +0.7

3.4 +0.8

50 3.4 +0.8

3.6 +0.6

3.8 +0.4

3.4 +0.8

3.4 +0.8

5+00 3.7 +0.5

10:30



PX

67+00

"D"

8-18-47

PX

67+00

"D"

8-18-47

(20)

0+00=STA-67+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST SOUND

3+60

3.7

+0.6

DIST SOUND

DIST SOUND

3.7

+0.6

0+00

3.8

+0.5

1+80

3.8

+0.5

(4.4)

3.6

+0.7

10:35

3.9

+0.4

(4.3)

3.8

+0.5

3.6

+0.7

(4.3)

4.0

+0.3

2+00

3.7

+0.6

4+00

3.7

+0.6

3.9

+0.4

3.7

+0.6

3.8

+0.5

3.9

+0.4

3.7

+0.6

3.8

+0.5

50

3.8

+0.5

3.9

+0.4

3.7

+0.6

3.9

+0.4

(4.3)

3.8

+0.5

3.8

+0.5

3.9

+0.4

50

3.8

+0.5

50

3.9

+0.4

3.8

+0.5

10:40

3.7

+0.6

3.9

+0.4

3.8

+0.5

(4.4)

3.7

+0.6

3.8

+0.5

1+00

3.8

+0.5

3.7

+0.6

3.9

+0.4

3.8

+0.5

3.6

+0.7

10:45

3.9

+0.4

3.7

+0.6

3+00

3.7

+0.6

5+00

3.9

+0.4

3.9

+0.4

3.8

+0.5

3.8

+0.5

3.8

+0.5

50

3.8

+0.5

3.8

+0.5

10:38

3.8

+0.5

3.7

+0.6

1+70

3.8

+0.5

3+50

3.7

+0.6



PX

68+00 "D"

8-18-47

PX

68+00 "D"

8-18-47

(27)

0+00=STA-68+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND	DIST	SOUND
0+00	4.0 +0.5	1+80	4.0 +0.5
<u>10:52</u>	4.0 +0.5		4.0 +0.5
	4.0 +0.5	2+00	4.0 +0.5
(4.5)	4.0 +0.5	(4.5)	4.0 +0.5
	4.0 +0.5		4.0 +0.5
50	4.1 +0.4		4.0 +0.5
	4.1 +0.4		4.0 +0.5
	4.1 +0.4	50	4.0 +0.5
	4.2 +0.3		4.0 +0.5
	4.2 +0.3		4.0 +0.5
1+00	4.0 +0.5		4.0 +0.5
	4.1 +0.4	<u>10:55</u>	4.0 +0.5
	4.1 +0.4	3+00	4.0 +0.5
	4.0 +0.5		4.1 +0.5
	4.0 +0.5		4.0 +0.5
50	4.0 +0.5		4.0 +0.5
	3.9 +0.6		4.0 +0.5
1+70	4.0 +0.5	3+50	4.0 +0.5

SOUND

3+60 4.0 +0.5

4.0 +0.5

4.0 +0.5

4.0 +0.5

4+00 4.0 +0.5

(4.5) 4.0 +0.5

4.1 +0.4

4.0 +0.5

4.2 +0.3

50 4.2 +0.3

4.2 +0.3

4.0 +0.5

4.1 +0.4

4.1 +0.4

5+00 4.1 +0.4

10:58



PX

69+00

"D"

8-18-47

ROUGH

WINDY

DIST

SOUND

69+00 "D"

8-18-47

DIST

SOUND

(28)

0+00=STA-69+00 ON 100' OFFSET LINE: SOUND SOUTH

3+60

4.5

+0.4

DIST SOUND

DIST SOUND

4.6 +0.3

0+00 4.3 +0.6

1+80 4.7 +0.2

4.6 +0.3

12:27 4.3 +0.6

4.8 +0.1

4.7 +0.2

4.3 +0.6

2+00 4.7 +0.2

4+00 4.7 +0.2

(4.9) 4.4 +0.5

(4.9) 4.7 +0.2

(4.9) 4.6 +0.3

4.4 +0.5

12:30 4.6 +0.3

4.6 +0.3

50 4.4 +0.5

4.6 +0.3

4.6 +0.3

4.4 +0.5

4.6 +0.3

4.6 +0.3

4.4 +0.5

50 4.6 +0.3

50 4.6 +0.3

4.5 +0.4

4.6 +0.3

4.7 +0.2

4.5 +0.4

4.5 +0.4

4.8 +0.1

1+00 4.5 +0.4

4.5 +0.4

4.7 +0.2

4.5 +0.4

4.5 +0.4

4.8 +0.1

4.7 +0.2

3+00 4.5 +0.4

5+00 4.7 +0.2

4.6 +0.3

4.6 +0.3

12:33

4.6 +0.3

4.5 +0.4

50 4.5 +0.4

4.5 +0.4

4.5 +0.4

4.5 +0.4

H 70 4.8 +0.1

3+50 4.5 +0.4







PX

70+00

8-19-47

PX

70+00

8-19-47

(30)

0+00=STA-70+00 ON 100' OFFSET LINE: SOUND SOUTH.

DIST SOUND

DIST SOUND

DIST	SOUND		DIST	SOUND	
0+00	2.0	+1.3	1+80	2.3	+1.0
<u>09:35</u>	2.0	—		2.4	+0.9
	2.0	—	2+00	2.5	+0.8
(3.3)	2.0	—	(3.3)	2.5	—
	2.0	—		2.4	+0.9
50	2.0	—		2.5	+0.8
	2.0	—		2.5	—
	2.0	—	50	2.7	+0.6
	2.0	—		2.5	+0.8
	2.1	+1.2		2.5	—
1+00	2.2	+1.1		2.4	+0.9
	2.2	—		2.5	+0.8
	2.1	+1.2	3+00	2.5	—
	2.1	—		2.5	—
	2.2	+1.1		2.5	—
50	2.2	—		2.6	+0.7
	2.2	—		2.6	—
1+70	2.3	+1.0	3+50	2.7	+0.6

09:40

DIST SOUND

4+00

(3.3)

DIST SOUND

50

5+00

09:42

DIST SOUND



PX

71+00 "D"

8-19-47

DIST SOUND

71+00 "D"

8-19-47

DIST SOUND

(3)

10+00=STA-71+00 ON 100' OFFSET LINE. SOUND SOUTH.

DIST	SOUND		DIST	SOUND	
0+00	2.0	+1.5	1+80	2.5	+1.0
<u>09:50</u>	2.0	—		2.6	+0.9
	2.0	—	2+00	2.8	+0.7
(3.5)	2.0	—		2.7	+0.8
	2.0	—		2.8	+0.7
50	2.1	+1.4	(3.5)	2.7	+0.8
	2.3	+1.2	<u>09:55</u>	2.7	+0.8
	2.2	+1.3	50	2.7	+0.9
	2.2	—	(3.6)	2.7	—
	2.2	—		2.8	+0.8
1+00	2.2	—		2.8	—
	2.4	+1.1		2.7	+0.9
	2.5	+1.0	3+00	2.8	+0.8
	2.5	—		2.9	+0.7
	2.6	+0.9		2.9	—
50	2.5	+1.0		3.0	+0.6
	2.5	—		2.9	+0.7
1+70	2.5	—	3+50	2.9	—

3+60 2.9 +0.7

3.0 +0.6

09:58 3.0 —

(3.6) 3.0 —

4+00 3.0 —

3.2 +0.4

3.3 +0.3

3.2 +0.4

3.2 —

50 3.2 —

3.2 —

3.2 —

3.2 —

10:00 3.4 +0.2

5+00 3.4 —



PX

72+00

8-19-47

PX

72+00

8-19-47

(3.2)

0+00 = STA-72+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST SOUND

DIST SOUND

3+60

3.3

+0.4

0+00

2.1

+1.6

1+80

2.7

+1.0

3.4

+0.3

10:06

2.1

-

2.8

+0.9

3.4

+0.3

2.1

-

2+00

3.0

+0.7

4+00

3.5

+0.2

2.1

-

10:10

3.0

+0.7

3.5

+0.2

(3.7)

2.2

+1.5

(3.7)

3.0

+0.7

(3.7)

3.8

-0.1

50

2.2

-

3.0

10:15

3.7

0.0

2.2

-

3.0

3.8

-0.1

2.2

-

50

3.0

50

3.7

0.0

2.2

-

3.0

4.0

-0.3

2.4

+1.3

3.0

+0.7

3.7

0.0

1+00

2.5

+1.2

3.3

+0.7

3.7

0.0

2.5

-

3.2

+0.7

3.8

-0.1

2.7

+1.0

3+00

3.1

+0.8

5+00

4.0

-0.3

2.7

-

3.3

+0.8

2.8

+0.9

3.2

+0.8

50

2.8

-

3.3

+0.8

2.7

+1.0

3.3

+0.8

1+70

2.7

-

3+50

3.3

+0.8



DX

73+00

8-19-47

DX

73+00

8-19-47

(33)

0+00 = STA-73+00 ON 100' OFFSET LINE: SOUND SOUTH.

DIST SOUND DIST SOUND

0+00 2.0 +2.0 1+80 3.2 +0.8

10:22 2.0 +2.0 3.2 +0.8

2.0 } 2+00 3.3 +0.7

(4.0) 2.0 } (4.0) 3.4 +0.6

2.0 } 3.4 +0.6

50 2.0 +2.0 3.4 +0.6

2.1 +1.9 3.4 +0.6

2.1 +1.9 50 3.5 +0.4

2.2 +1.8 3.5 +0.4

2.2 +1.8 3.4 +0.4

1+00 2.4 +1.6 3.5 +0.4

2.8 +1.2 3.5 +0.4

2.8 +1.2 3+00 3.5 +0.4

3.0 +1.0 3.6 +0.4

10:25 3.0 } (4.0) 3.6 +0.4

50 3.0 } (4.1) 3.6 +0.4

3.0 +1.0 3.7 +0.4

1+70 3.1 +0.9 3+50 3.7 +0.4

DIST SOUND

3+60 3.7 +0.4

(4.1) 3.9 +0.2

3.9 +0.2

4.0 +0.1

4+00 4.0

4.0

4.0

4.0

4.0

50 4.0 +0.1

4.3 -0.2

4.4 -0.3

4.2 -0.1

4.3 -0.2

4+00 4.4 -0.3

4.4 -0.3

4.4 -0.3

4.4 -0.3

4.4 -0.3

4.4 -0.3

4.4 -0.3



PX

74+00

8-19-47

0+00=STA-74+00 ON 100' OFFSET LINE: SOUND SOUTH.

DIST	SOUND		DIST	SOUND	
0+00	2.3	+1.9	1+80	3.4	+0.8
<u>10:38</u>	2.3	+1.9		3.5	+0.7
	2.4	+1.8	2+00	3.5	+0.7
(4.2)	2.6	+1.6	(4.2)	3.8	+0.4
	2.6	+1.6	<u>10:43</u>	3.7	+0.5
50	2.7	+1.5		3.7	+0.5
	2.7	+1.5		3.9	+0.3
	2.8	+1.4	50	3.9	
	2.8	+1.4		3.9	
	2.9	+1.3		3.9	+0.3
1+00	3.1	+1.1		3.8	+0.8
	3.0	+1.2		4.0	+0.2
	3.0	+1.2	3+00	4.0	
	3.0	+1.2	<u>10:45</u>	4.0	
	3.1	+1.1		4.0	
50	3.2	+1.0	(4.2)	4.0	+0.2
	3.4	+0.8	(4.3)	4.0	+0.3
1+70	3.4	+0.8	3+50	4.0	+0.3

PX

74+00

8-19-47

(34)

DIST SOUND DIST SOUND

DIST	SOUND		DIST	SOUND	
3+60	4.3	0.0			
(4.3)	4.3				
	4.3				
	4.3	0.0			
4+00	4.5	-0.2			
	4.6	-0.3			
	4.7	-0.4			
	4.7				
	4.7				
	4.7	-0.4	50	4.7	-0.4
	4.9	-0.6			
	5.0	-0.7			
	5.1	-0.8			
	5.0	-0.7			
5+00	5.0	-0.7			

10:50



PX

75+00

8-19-47

PX

75+00

8-19-47

(25)

0+00 = STA. 75+00 ON 100' OFFSET LINE. SOUND SOUTH

DIST

SOUND

DIST

SOUND

DIST	SOUND	DIST	SOUND
0+00	2.5 +1.9	1+80	3.7 +0.7
<u>10:53</u>	2.6 +1.8		3.8 +0.6
	2.6 +1.8	2+00	3.9 +0.5
(4.4)	2.7 +1.7	(4.4)	3.9 +0.5
	2.8 +1.6		4.0 +0.4
50	2.9 +1.5		4.0
	3.0 +1.4		4.0
	3.0 +1.4	50	4.0
	3.1 +1.3	<u>10:58</u>	4.0
<u>10:55</u>	3.2 +1.2		4.0
1+00	3.2 +1.2		4.0
	3.3 +1.1		4.0 +0.4
	3.4 +1.0	3+00	4.1 +0.3
	3.4 +1.0		4.4 0.0
	3.5 +0.9		4.8 -0.4
50	3.5 +0.9		5.0 -0.6
	3.6 +0.8		4.7 -0.3
1+70	3.7 +0.7	3+50	4.5 -0.1

DIST

SOUND

DIST

SOUND

11:00

SOUND

3+60

4.6

-0.2

4.8

-0.4

4.8

4.8

4+00

4.8

(4.4)

4.8

-0.4

5.0

-0.6

5.1

-0.7

5.1

-0.7

50

5.2

-0.8

5.3

-0.9

5.4

-1.0

5.4

-1.0

5.4

-1.0

5+00

5.5

-1.1

11:02



PX

76+00

8-19-47

PX

76+00

8-19-47

(36)

0+00 = STA-76+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST SOUND 7+60 5.0 -0.4

DIST SOUND

DIST SOUND

(4.6) 5.1 -0.5

0+00 2.7 +1.9 1+80 4.0 +0.6

(4.7) 5.2 -0.5

11:08 2.7 +1.9 4.0 +0.6

5.2 -0.5

(4.6) 2.8 +1.8 2+00 4.0 +0.6

4+00 5.3 -0.6

2.9 +1.7 (4.6) 4.0 +0.6

5.4 -0.7

3.0 +1.6 4.1 +0.5

5.3 -0.6

50 3.1 +1.5 4.1 +0.5

5.5 -0.8

3.3 +1.3 4.2 +0.4

5.6 -0.9

3.4 +1.2 50 4.3 +0.3

50 5.5 -0.8

3.4 +1.2 4.4 +0.2

5.6 -0.9

3.5 +1.1 4.6 0.0

5.6 -0.9

1+00 3.8 +0.8 4.6 0.0

5.5 -0.8

11:10 3.8 +0.8 4.6 0.0

5.8 -1.1

3.8 +0.8 3+00 4.7 -0.1

5+00 5.9 -1.2

3.9 +0.7 4.8 -0.2

11:18

4.0 +0.6 4.9 -0.3

50 4.0 +0.6 5.0 -0.4

4.1 +0.5 11:15 5.0 -0.4

1+70 4.0 +0.6 3+50 5.0 -0.4



PX

77+00

8-19-47

0+00 = STA-77+00 ON 100' OFFSET LINE. SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	3.8	+1.3	1+80	4.9	+0.2
<u>12:53</u>	3.8	}		4.9	}
	3.8		2+00	4.9	
(5.1)	3.8	+1.3	(5.1)	4.9	+0.2
	3.9	+1.2		5.0	+0.1
50	4.0	+1.1		5.0	}
	4.0	+1.1		5.0	
	4.2	+0.9	50	5.0	+0.1
	4.5	+0.6		5.3	-0.2
	4.4	+0.7	<u>12:58</u>	5.4	-0.3
1+00	4.4	+0.7		5.4	}
<u>12:55</u>	4.5	+0.6		5.4	
	4.7	+0.4	3+00	5.4	-0.3
	4.6	+0.5		5.5	-0.4
	4.6	+0.5		5.5	-0.4
50	4.6	+0.5		5.7	-0.6
	4.7	+0.4		5.8	-0.7
1+70	4.8	+0.3	3+50	5.8	-0.7

PX

77+00

8-19-47

(32)

DIST	SOUND		DIST	SOUND	
	5.8	-0.7		5.8	-0.7
	5.8	-0.7		5.8	-0.7
	5.9	-0.8	(5.1)	5.9	-0.8
	5.9	-0.8		5.9	-0.8
	5.9	-0.8	4+00	5.9	-0.8
	6.0	-0.9	<u>13:00</u>	6.0	-0.9
	6.0	-0.9		6.0	-0.9
	6.0	-0.9		6.0	-0.9
	6.1	-1.0		6.1	-1.0
50	6.1	-1.0	50	6.1	-1.0
	6.2	-1.1		6.2	-1.1
	6.2	-1.1		6.2	-1.1
	6.3	-1.2		6.3	-1.2
	6.4	-1.3		6.4	-1.3
	6.3	-1.2	5+00	6.3	-1.2



PX

78+00

8-19-47

DIST

SOUND

78+00

DIST

8-19-47

SOUND

(38)

0+00 = STA-78+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST SOUND

DIST SOUND

13:03

3.6

+1.4

1+80

5.1

-0.1

(5.0)

6.0

-1.0

3.7

+1.3

13:05

5.1

-0.1

6.1

-1.1

(5.0)

3.9

+1.1

2+00

5.2

-0.2

4+00

6.1

-1.1

4.0

+1.0

(5.0)

5.2

-0.2

6.2

-1.2

4.1

+0.9

5.3

-0.3

6.3

-1.3

50

4.2

+0.8

5.5

-0.5

6.3

4.4

+0.6

5.4

-0.4

6.3

4.5

+0.5

50

5.4

50

6.3

4.6

+0.4

5.4

6.3

4.7

+0.3

5.4

6.3

-1.3

1+00

4.7

+0.3

5.4

6.4

-1.4

4.8

+0.2

5.4

-0.2

6.3

-1.3

4.8

+0.2

3+00

5.5

-0.5

5+00

6.3

-1.3

4.8

+0.2

5.7

-0.7

13:14

4.9

+0.1

5.7

-0.7

50

4.9

+0.1

5.9

-0.9

5.0

0.0

5.9

-0.9

1+70

5.1

-0.1

3+50

5.9

-0.9



PX 79+00

8-19-47  
WINDY

PX 79+00  
DIST SOUND

8-19-47

(39)

0+00 = STA - 79+00 ON 100' OFFSET LINE; SOUND SGT

DIST SOUND DIST SOUND

0+00 3.7 +1.2 1+80 5.2 -0.2

13:19 3.6 +1.3 5.0 -0.1

3.5 +1.4 2+00 5.0 -0.1

(4.9) 3.5 +1.4 (4.9) 5.0 -0.1

3.5 +1.4 5.1 -0.2

50 3.8 +1.1 5.1 -0.2

3.5 +1.4 5.2 -0.3

3.5 +1.4 50 5.1 -0.2

4.0 +0.9 5.1 -0.2

4.4 +0.5 5.2 -0.3

1+00 4.4 +0.5 5.4 -0.5

4.5 +0.4 5.4 -0.5

4.9 0.0 3+00 5.5 -0.6

5.1 -0.2 5.5 -0.6

4.7 +0.2 5.7 -0.8

50 4.8 +0.1 5.6 -0.7

5.3 -0.4 5.8 -0.9

1+70 5.3 -0.4 3+50 5.9 -1.0

3+60 5.8 -0.9

5.8 -0.9

5.8 -0.9

5.8 -0.9

4+00 5.9 -1.0

(4.9) 5.9

5.9

5.9

5.9

50 5.9

5.9

5.9 -1.0

6.0 -1.1

6.0 -1.1

5+00 5.8 -0.9

5.8 -0.9



PX

80+00

8-19-47  
WINDYPX  
DIST SOUND

80+00

8-19-47

(40)

DIST SOUND

0+00=STA-80+00 ON 100' OFFSET LINE: SOUND SOUTH

3+60 5.7 -0.9

DIST SOUND DIST SOUND

5.7 -0.9

0+00 3.1 +1.7 1+80 4.8 0.0

5.7 -0.9

13:30 3.2 +1.6 5.3 -0.5

5.8 -1.0

3.3 +1.5 2+00 5.2 -0.4

4+00 5.8 -1.0

(4.8) 3.3 +1.5 (4.8) 5.1 -0.3

(4.8) 5.8 -1.0

3.4 +1.4 5.1 -0.3

5.9 -1.1

50 3.4 +1.4 5.2 -0.5

5.9 -1.1

3.8 +1.0 5.4 -0.6

5.7 -0.9

3.7 +1.1 50 5.4 -0.6

50 5.9 -1.1

3.8 +1.0 5.4 -0.6

6.0 -1.2

3.9 +0.9 5.5 -0.7

5.8 -1.0

1+00 3.9 +0.9 13:33 5.4 -0.6

5.8 -1.0

3.9 +0.9 5.4 -0.6

5.7 -0.9

4.0 +0.8 3+00 5.4 -0.6

5+00 5.6 -0.8

4.1 +0.7 5.5 -0.7

13:35

4.4 +0.4 5.6 -0.8

50 4.5 +0.3 5.6 -0.8

4.7 +0.1 5.6 -0.8

1+70 4.7 +0.1 3+50 5.6 -0.8



PX

81+00

8-19-47  
ROUGH

0+00 = STA-81+00 ON 100' OFFSET LINE: SOUND LOG

DIST SOUND DIST SOUND

0+00 3.2 +1.5 1+00 4.7 0.0

13:40 3.3 +1.4 4.8 -0.1

3.4 +1.3 2+00 4.9 -0.2

(4.7) 3.7 +1.0 (4.7) 5.0 -0.3

3.8 +0.9 5.2 -0.5

50 3.9 +0.8 5.2 -0.5

4.2 +0.5 5.1 -0.4

4.4 +0.3 50 5.1 -0.4

4.5 +0.2 5.2 -0.6

4.5 +0.2 5.2 -0.6

1+00 4.6 +0.1 5.1 -0.4

4.9 -0.2 5.2 -0.5

5.0 -0.3 3+00 5.2 -0.5

5.0 -0.3 5.2 -0.5

5.0 -0.3 5.4 -0.7

50 4.9 -0.2 5.4 -0.7

4.9 -0.2 5.5 -0.8

1+70 4.8 -0.1 3+50 5.5 -0.8

PX

81+00

8-19-47

DIST SOUND

DIST SOUND

(41)

3+60 5.5 -0.8

5.4 -0.7

0.0 (4.7) 5.4 -0.7

5.5 -0.8

4+00 5.5 -0.8

5.5 -0.8

5.4 -0.7

5.8 -1.1

5.6 -0.9

50 5.5 -0.8

5.4 -0.7

5.3 -0.6

5.3 -0.6

5.2 -0.5

5+00 5.2 -0.5

5.2 -0.5

5.4 -0.7

5.4 -0.7

5.5 -0.8

5.5 -0.8



PX

82+0.0

8-19-17  
1700

DIST SOUND

82+0.0

8-19-17

(42)

DIST SOUND

0+00=STA-82+00 ON 100' OFFSET LINE: SOUND

DIST SOUND

DIST SOUND

0+00 4.1 +0.5 1+80 4.8 -0.2

13:49 4.4 +0.2 13:52 4.9 -0.3

4.8 -0.2 2+00 4.9

(4.6) 5.0 -0.4 (4.6) 4.9

4.7 -0.1 4.9 -0.3

50 5.1 -0.5 5.0 -0.4

5.1 -0.5 5.0

4.9 -0.3 50 5.0

4.9 -0.3 5.0

4.7 -0.1 5.0 -0.4

1+00 4.8 -0.2 5.1 -0.4

4.6 0.0 5.1

4.6 0.0 3+00 5.1

4.6 0.0 5.1

4.8 -0.2 5.1 -0.4

50 4.9 -0.3 5.2 -0.4

4.7 -0.1 5.1 -0.4

1+70 4.8 -0.2 3+50 5.0 -0.4

7+60 5.1 -0.5

5.1 -0.5

5.0 -0.4

13:55 5.3 -0.7

1+00 5.3 -0.7

(4.6) 5.1 -0.5

5.1 -0.5

5.1 -0.5

5.4 -0.8

50 5.3 -0.7

5.4 -0.8

5.2 -0.6

5.1 -0.5

5.2 -0.6

2+00 5.1 -0.5

5.1



PX

83+00

8-19-47

0+00=87A-83+00 ON 100' OFFSET LINE SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	4.5	-0.1	1+80	5.0	-0.6
<u>14:02</u>	4.5	}		4.8	-0.4
	4.5		2+00	4.7	-0.3
(4.4)	4.5		(4.4)	4.8	-0.4
	4.5			4.8	
50	4.5			4.8	
	4.5			4.8	
	4.5		50	4.8	
	4.5			4.8	-0.4
	4.5			4.7	-0.3
1+00	4.5			4.9	-0.3
	4.5	-0.1		4.9	-0.5
	4.7	-0.3	3+00	4.9	-0.5
	4.7	}	<u>14:07</u>	5.1	-0.7
	4.7			5.1	-0.7
50	4.7			5.0	-0.6
	4.7			5.0	-0.6
1+70	4.7	-0.3	3+50	5.0	-0.6

PX

83+00

8-19-47

(43)

DIST SOUND DIST SOUND

DIST	SOUND		DIST	SOUND	
3+60	5.1	-0.7			
	5.0	-0.6			
	4.9	-0.5			
	5.0	-0.6			
4+00	5.0	}			
(4.4)	5.0				
	5.0		-0.6		
	5.1		-0.7		
	5.0	-0.6			
50	5.0	}			
	5.0				
	5.0				
	5.0				
	5.0	-0.6			
5+00	4.9	-0.5			

14:10



PX

84+00

8-19-47

0+00 = STA-84+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	4.4	-0.1	1+80	4.5	-0.2
<u>15:16</u>	4.4	-0.1		4.6	-0.3
	4.4	-0.1	2+00	4.6	
(4.3)	4.5	-0.2	(4.3)	4.6	
	4.5			4.6	
50	4.5			4.6	
	4.5			4.6	-0.3
	4.5		50	4.7	-0.4
	4.5			4.8	-0.5
	4.5			4.8	
1+00	4.5			4.8	
	4.5			4.8	
	4.5	-0.2	3+00	4.8	
	4.6	-0.3		4.8	-0.5
	4.6			4.9	-0.6
50	4.6	-0.3		4.9	
	4.5	-0.2		4.9	
1+20	4.5	-0.2	3+50	4.9	-0.6

PX

84+00

8-19-47

(42)

DIST	SOUND		DIST	SOUND	
3+60	4.9	-0.6			
	4.9				
	4.9	-0.6			
	5.0	-0.7			
4+00	5.0				
(4.3)	5.0	-0.7			
	4.9	-0.6			
	4.8	-0.5			
	4.8				
50	4.8				
	4.8	-0.5			
	4.9	-0.6			
	4.9	-0.6			
5+00	4.8	-0.5			

15:20







PX

86+00

8-19-47

0+00 = STA 86+00 ON 100' OFFSET LINE! SOUND SOUND

DIST	SOUND		DIST	SOUND
0+00	4.2 -0.2	}	1+80	4.3 -0.3
<u>14:38</u>	4.2			4.4 -0.4
	4.2			2+00 4.3 -0.3
(4.0)	4.2		(4.0)	4.4 -0.4
	4.2			4.4 -0.4
50	4.2			4.5 -0.5
	4.2 -0.2			4.5
	4.3 -0.3		50	4.5
	4.3			4.5
	4.3 -0.3			4.5
1+00	4.4 -0.4		4.5	
	4.4		4.5	
	4.4	3+00	4.5	
	4.4		4.5	
	4.4		4.5 -0.5	
50	4.4	<u>14:43</u>	4.6 -0.6	
<u>14:40</u>	4.4 -0.4		4.5 -0.5	
1+70	4.3 -0.3	3+50	4.5 -0.5	

PX

86+00

8-19-47

(46)

DIST	SOUND
3+60	4.5 -0.5
	4.5 -0.5
	4.4 -0.4
	4.5 -0.5
4+00	4.5 -0.5
(4.0)	4.5 -0.5
	4.4 -0.4
	4.5 -0.5
	4.5 -0.5
50	4.5 -0.5
	5.0 -1.0
	4.8 -0.8
	4.6 -0.6
	4.6 -0.6
5+00	4.5 -0.5
<u>14:45</u>	



PX

87+00

BARRAGAN  
SHERRY  
STANLEY8-20-47  
CLOUDY &  
CALM

0+00 = STA-87+00

ON 100'

OFFSET LINE: SOUND

DIST SOUND

DIST SOUND

0+00 2.2 +0.5 1+80 2.5 +0.2

09:19 2.3 +0.4 (2.7) 2.5

(2.7) 2.3 2+00 2.5

2.3 2.5

2.3 2.5

50 2.3 2.5 +0.2

2.3 2.6 +0.1

2.3 50 2.5 +0.2

2.3 +0.4 X 0.25 2.5

2.4 +0.3 (2.7) 2.5 +0.2

1+00 2.4 (2.8) 2.7 +0.1

2.4 2.6 +0.2

2.4 3+00 2.6

2.4 2.6 +0.2

2.4 +0.3 2.5 +0.3

50 2.5 +0.2 2.5

2.5 2.5

1+70 2.5 +0.2 3+50 2.5 +0.3

PX

87+00

8-20-47

(47)

DIST SOUND

DIST SOUND

3+60 2.6 +0.2

(2.8) 2.6 +0.2

2.6 +0.2

2.8 0.0

4+00 2.9 -0.1

2.9 -0.1

2.8 0.0

2.7 +0.1

2.7

50 2.7

2.7

2.7

2.7

2.7

5+00 2.7 +0.1

09:30



PX

88+00

8-20-47

10+00 = STA-88+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST SOUND DIST SOUND

0+00 2.7 +0.3 1+80 2.7 +0.3

09:37 2.6 +0.4 (3.0) 2.6 +0.6

(3.0) 2.6 2+00 2.7 +0.3

2.6 2.7

2.6 2.7 +0.3

50 2.6 09:43 2.8 +0.2

2.6 2.9 +0.1

2.6 50 2.9

2.6 +0.4 2.9

2.7 +0.3 2.9

1+00 2.7 +0.3 2.9 +0.1

2.7 +0.3 3.0 0.0

2.6 +0.4 3+00 2.9 +0.1

09:40 2.7 +0.3 2.9 +0.1

2.7 +0.3 09:45 2.9 +0.1

50 2.7 +0.3 (3.0) 2.8 +0.2

2.6 +0.4 (3.1) 2.9 +0.2

1+70 2.7 +0.3 3+50 2.9 +0.2

PX

88+00

8-20-47

(48)

DIST SOUND

DIST SOUND

3+60 2.9 +0.2

(3.1) 2.9

2.9

2.9

4+00 2.9

2.9

2.9 +0.2

3.0 +0.1

2.9 +0.2

50 2.9

2.9

2.9

2.9 +0.2

3.0 +0.1

5+00 3.0 +0.1

09:50

2.9 +0.1

2.9 +0.1



P.X.

89+00

8-20-97

P.X.  
DIST SOUND

89+00

8-20-97

DIST SOUND

(29)

0+00=STA-89+00 ON 100' OFFSET LINE: SOUND

SOUND

3+60 3.0 +0.3

DIST SOUND DIST SOUND

0+00 2.8 +0.5 1+80 3.0 +0.3

09:56

2.8 3.0

2.8 2+00 3.0

(3.3) 2.8 (3.3) 3.0

2.8 3.0

50 2.8 3.0

2.8 3.0

2.8 +0.5 50 3.0

2.9 +0.4 3.0

2.9 3.0

1+00 2.9 3.0

2.9 3.0

2.9 3+00 3.0

2.9 10:00 3.0

2.9 3.0

50 2.9 +0.4 3.0

3.0 +0.3 3.0

1+70 3.0 +0.3 3+50 3.0 +0.3

(3.3) 3.0

3.0

4+00 3.0

3.0

3.0 +0.3

3.1 +0.2

3.2 +0.1

50 3.2 +0.1

3.1 +0.2

3.1 +0.2

3.2 +0.1

3.2 +0.1

5+00 3.2 +0.1

8:32



PX

90+00

8-20-47

PX

90+00

8-20-47

(50)

0+00 = STA-90+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST. SOUND

DIST. SOUND

0+00 3.0

+0.4

1+00

3.1

+0.3

10:10 3.0

}

3.2

+0.2

(3.4)

3.0

}

2+00

3.2

+0.2

3.0

+0.4

(3.4)

3.2

+0.2

3.1

+0.3

3.3

+0.1

50

3.0

+0.4

3.3

3.0

}

3.3

3.0

}

50

3.3

3.0

}

3.3

3.0

}

3.3

1+00

3.0

}

3.3

3.0

}

3.3

+0.1

3.0

}

3+00

3.4

0.0

3.0

}

3.4

3.0

+0.4

3.4

50

3.1

+0.3

3.4

3.1

+0.3

3.4

1+70

3.1

+0.3

3+50

3.4

0.0

DIST. SOUND

DIST. SOUND

3+60

3.5

-0.1

3.4

0.0

3.7

-0.3

3.6

-0.2

4+00

3.5

-0.1

(3.4)

3.5

}

3.5

}

3.5

-0.1

3.6

-0.2

50

3.5

-0.1

3.5

}

3.5

}

3.5

}

3.5

}

5+00

3.5

-0.1

6+00

0.0



PX

91+00

8-19-47

PX

91+00

8-19-47

(51)

0+00=STA-91+00 ON 100' OFFSET LINE: SOUND SOUND

DIST SOUND DIST SOUND

0+00 3.2 +0.4 1+80 3.4 +0.2

10:22 3.3 +0.3 3.4

3.3 +0.3 2+00 3.4

(3.6) 3.2 +0.4 (3.6) 3.4

3.2 +0.4 3.4

50 3.3 +0.3 3.4

3.4 +0.2 3.5

3.4 } 50 3.4

3.4 } 3.4

3.4 } 3.4

1+00 3.4 } 3.4

3.4 } 3.4

3.4 } 3+00 3.4 +0.2

3.4 } 3.5 +0.2

3.4 } 3.5

50 3.4 } 10:28 3.5

3.4 } 3.5

1+20 3.4 +0.2 3+50 3.5 +0.2

SOUND

3.5 +0.1

3.5 +0.1

3.6 0.0

3.5 +0.1

3+00 3.5 +0.1

(3.6) 3.6 0.0

3.7 -0.1

3.7 }

3.7 }

50 3.7 -0.1

3.6 0.0

3.6 }

3.6 }

3.6 }

3+00 3.6 0.0

3.5 +0.2

3.5 }

3.5 }

3.5 }







PX

93+00

8-20-47

~~P~~ Y  
DIST SOUND

93+00

8-20-47

(53)

DIST SOUND

0+00=STA-93+00 ON 100' OFFSET LINE 1 SOUND SOUND

DIST	SOUND		DIST	SOUND	
0+00	3.4	+0.4	1+80	3.8	0.0
<u>10:45</u>	3.5	+0.3		3.8	
	3.6	+0.2	2+00	3.8	
(3.8)	3.6		(3.8)	3.8	0.0
	3.6	+0.2		3.9	-0.1
50	3.8	0.0		3.9	
	3.8	0.0		3.9	
	3.7	+0.1	50	3.9	
	3.7			3.9	
	3.7			3.9	
1+00	3.7	+0.1		3.9	
	3.8	0.0		3.9	
	3.8		3+00	3.9	
	3.8			3.9	
	3.8			3.9	
50	3.8			3.9	
	3.8			3.9	
1+70	3.8	0.0	3+50	3.9	-0.1

DIST	SOUND	
3+60	3.9	-0.1
	3.9	
	3.9	
	3.9	
4+00	3.9	
(3.8)	3.9	-0.1
	4.0	-0.2
	4.0	
	4.0	
50	4.0	-0.2
	4.0	-0.2
	3.8	0.0
	4.0	-0.2
	4.0	-0.2
5+00	4.0	-0.2
11:51		



PX

94+00

8-20-47

0+00 = STA-94+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	3.7	+0.3	1+80	4.0	0.0
<u>10:57</u>	3.8	+0.2		4.0	
	3.8	+0.2	2+00	4.0	0.0
(4.0)	3.9	+0.1	(4.0)	3.9	+0.1
	3.9	§		3.9	
50	3.9	§		3.9	
	3.9	+0.1		3.9	
	4.0	0.0	50	3.9	+0.1
	4.0	§		4.0	0.0
	4.0	§		4.0	
1+00	4.0	§		4.0	
	4.0	§		4.0	0.0
	4.0	§	3+00	4.9	-0.9
	4.0	§		4.8	-0.8
	4.0	0.0		4.4	-0.4
50	3.9	+0.1		4.4	-0.4
	3.9	§		4.2	-0.2
1+70	3.9	+0.1	3+50	4.0	0.0

PX

94+00

8-20-47

(54)

DIST	SOUND		DIST	SOUND	
3+60	4.0	0.0			
	4.0				
	4.0				
	4.0				
4+00	4.0				
(4.0)	4.0				
	4.0				
	4.0				
	4.0				
50	4.0				
	4.0				
	4.0	0.0			
	4.1	-0.1			
	4.1	§			
5+00	4.1	-0.1			
<u>11:02</u>					



PX

94+25.35 (END SECT. "D")

8-20-47

PX  
DIST SOUND

94+25.35

8-20-47

(55)

DIST SOUND

0+00 = PT "D" ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	3.8	+0.4	1+00	4.1	+0.1
<u>11:09</u>	3.8	+0.4		4.1	+0.1
	3.9	+0.3	2+00	4.2	0.0
(4.2)	4.0	+0.2	(4.2)	4.2	
	4.0			4.2	
50	4.0			4.2	
	4.0			4.2	
	4.0	+0.2	50	4.2	0.0
	4.1	+0.1		4.3	-0.1
	4.1	+0.1		4.2	0.0
1+00	4.0	+0.2		4.2	0.0
	4.0	+0.2		4.2	0.0
	4.1	+0.1	3+00	4.3	-0.1
	4.1	+0.1		4.3	
	4.1	+0.1	<u>11:12</u>	4.3	
50	4.0	+0.2		4.3	
	4.0	+0.2		4.3	
1+70	4.1	+0.1	3+50	4.3	-0.1

3+60 4.3 -0.1

4.3

4.3

4.3

4+00 4.3

(4.2) 4.3

4.3

4.3

4.3 -0.1

50 4.4 -0.2

4.3 -0.1

4.3

4.3 -0.1

4.4 -0.2

5+00 4.4 -0.2



ORIGINAL SOUNDINGS OF PROPOSED

PX EAST BAY CHANNEL

SECTION "E"

95+29.50

0+00 = Pt (E') ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	2.2	+0.3	1+50	2.4	+0.1
<u>09:12</u>	2.2			2.4	
(2.5)	2.2		(2.5)	2.4	
	2.2			2.4	
	2.2			2.4	
50	2.2	+0.3	2+00	2.4	
	2.3	+0.2		2.4	
	2.3			2.4	
	2.3			2.4	
	2.3	+0.2		2.4	
1+00	2.4	+0.1	50	2.4	
	2.4			2.4	
	2.4			2.4	+0.1
<u>09:15</u>	2.4			2.5	0.0
1+40	2.4	+0.1	2+90	2.5	0.0

95+29.50

DIST	SOUND		DIST	SOUND	
3+00	2.5	0.0	5+00	2.5	0.0
	2.5			2.5	
<u>09:20</u>	2.5			2.5	
	2.5			2.5	
(2.5)	2.5			2.5	
50	2.5			2.5	
	2.5			2.5	
	2.5			2.5	
	2.5			2.5	
4+00	2.5			2.5	
	2.5			2.5	
	2.5			2.5	
	2.5			2.5	
50	2.5			2.5	
	2.5			2.5	
	2.5			2.5	
50	2.5			2.5	
	2.5			2.5	
	2.5			2.5	
4+90	2.5	0.0		2.5	

BALTIMORE  
SHERRY  
STANLEY

8-21-47  
CALM  
DRIGHT

(56)

DIST SOUND

DIST SOUND

09:23

PX

Indexed



DX

(E<sup>2</sup>)  
96+33.66

8-20-47

0+00 = Pt. (E<sup>2</sup>) ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	5.0	+0.1	1+80	5.1	0.0
<u>13:40</u>	5.0	+0.1		5.1	
	5.2	-0.1	2+00	5.1	0.0
(5.1)	5.1	0.0	(5.1)	5.2	-0.1
	5.1			5.5	-0.4
50	5.1			6.2	-1.1
	5.1			5.4	-0.3
	5.1		50	5.4	-0.3
	5.1			5.3	-0.2
	5.1			5.2	-0.1
1+00	5.1			5.2	
	5.1	0.0		5.2	
	5.2	-0.1	3+00	5.2	-0.1
	5.2			5.3	-0.2
	5.2			5.3	-0.2
50	5.2			5.4	-0.3
	5.2	-0.1		5.3	-0.2
1+70	5.1	0.0	3+50	5.2	-0.1

DIST SOUND

96+33.66

8-20-47

(52)

DIST SOUND

DIST	SOUND	
3+60	5.2	-0.1
	5.1	0.0
	5.2	-0.1
	5.3	-0.2
4+00	5.3	-0.2
(5.1)	5.4	-0.3
	5.3	-0.2
	5.3	-0.2
	5.4	-0.3
50	5.3	-0.2
	5.3	
	5.3	
	5.3	
	5.3	
5+00	5.3	-0.2

DX

13:45







PX

(E 71)  
98 + 41.96

8-20-47

98 + 41.96

8-20-47

(59)

0+00 = Pt "E" ON 100' OFFSET LINE: SOUND SOUTH

DIST SOUND  
3+60 4.9 0.0

DIST SOUND

PX

DIST	SOUND		DIST	SOUND	
0+00	4.7	+0.2	1+80	4.9	0.0
<u>13:58</u>	4.8	+0.1		4.9	
	4.8		2+00	4.9	
(4.9)	4.8		(4.9)	4.9	
	4.8			4.9	
50	4.8			4.9	
	4.8			4.9	
	4.8		50	4.9	
	4.8			4.9	
	4.8			4.9	
1+00	4.8			4.9	
	4.8		<u>14:04</u>	4.9	
	4.8		3+00	4.9	
	4.8			4.9	
	4.8			4.9	
50	4.8			4.9	
	4.8			4.9	
1+70	4.8	+0.1	3+50	4.9	0.0

DIST	SOUND	
	4.9	
	4.9	
	4.9	
4+00	4.9	0.0
(4.9)	4.8	+0.1
	4.8	
	4.8	
	4.8	+0.1
50	4.9	0.0
	4.8	+0.1
<u>14:07</u>	4.8	
	4.8	
5+00	4.8	+0.1



(E5)

8-20-47

99+46.11

8-20-47

(60)

PX

99+46.11

DIST SOUND

DIST SOUND

0+00=P<sub>7</sub> "E5" ON 100' OFFSET LINE. SOUND S/E.

3+60 4.6 +0.2

DIST SOUND

DIST SOUND

4.6

0+00 4.7 +0.1 1+80 4.6 +0.2

4.6

14:13 4.7 4.8 0.0

4.6

4.7 2+00 4.8

4+00 4.6

(4.8) 4.7 (4.8) 4.8

(4.8) 4.6

4.7 4.8 0.0

4.6

50 4.7 4.7 +0.1

4.6

4.7 4.7 +0.1

4.6

4.7 50 4.7 +0.1 50 4.6

4.6

4.7 4.6 +0.2

4.6

14:15 4.7 4.6 +0.2

4.6 +0.2

1+00 4.7 4.7 +0.1

4.5 +0.3

4.7 4.8 0.0

4.5 +0.3

4.7 +0.1 3+00 4.7 +0.1 5+00 4.5 +0.3

5+00 4.5 +0.3

4.6 +0.2 4.8 0.0

14:20

4.6 4.8 0.0

50 4.6 14:20 4.7 +0.1

4.6 4.7 +0.1

1+70 4.6 3+50 4.7 +0.1

3+50 4.7 +0.1







PX

(E<sup>1</sup>)  
101+54.42

8-20-17

0+00 = Pt. (E<sup>2</sup>) ON 100' OFFSET LINE: SOUND S/E.

DIST	SOUND		DIST	SOUND		
0+00	4.3	+0.2	1+80	4.3	+0.2	
<u>14:43</u>	4.3	}		4.3	}	
	4.3			2+00		4.3
(4.5)	4.3		(4.5)	4.3		
	4.3		+0.2	4.3		
50	4.4		+0.1	4.3		+0.2
	4.4		+0.1	4.2		+0.3
	4.3		+0.2	50		4.2
	4.3		}	4.2		}
	4.3			4.2		
1+00	4.3			4.2		
<u>14:45</u>	4.3	4.3		+0.2		
	4.3	3+00		4.2	+0.3	
	4.3	4.2		}		
	4.3	4.2				
50	4.3	4.2			+0.3	
	4.3			4.3	+0.2	
1+70	4.3	+0.2		3+50	4.3	

101+54.42 101+54 8-20-17

(E<sup>2</sup>)

DIST SOUND DIST SOUND

DIST	SOUND		DIST	SOUND		
3+60	4.3	+0.2				
	4.3	+0.2				
	4.2	+0.3				
	4.2	}			}	
4+00	4.2			4+00		4.2
(4.5)	4.2		(4.5)	4.2		
	4.2			4.2		
	4.2			4.2		
	4.2			4.2		
	4.2			50		4.2
	4.2			4.2		
	4.2		+0.3	4.2		+0.3
	4.1		+0.4	4.1		+0.4
	4.1	+0.4				
	4.1	+0.4	5+00	4.1	+0.4	

14:55



PX

(E8)  
102+58.57

8-21-47

DIST SOUND

102+58.57

8-21-47 (63)

DIST SOUND

0700z Pt. (E8) ON 100' OFFSET LINE: SOUND S/E

3+60 2.1 +0.6

DIST SOUND DIST SOUND

2.2 +0.5

0+00 2.2 +0.5 1+80 2.1 +0.6

2.1 +0.6

09:32

2.1 +0.6

2.1

2.1

2.2 +0.5 2+00 2.1

4+00 2.1

(2.7)

2.2

(2.7)

2.1

(2.7)

2.1

2.2

2.1

2.1

50 2.2

2.1

2.1

2.2

2.1

09:40

2.2

2.2

50 2.1

50 2.1

2.2

2.1

2.1

2.2

2.1

2.1

1+00 2.2 +0.5 2.1

2.1

2.1 +0.6

2.1

2.1

2.1

3+00 2.1

5+00 2.1 +0.6

2.1

2.1

2.0

09:38 2.1

50 2.1

2.1

09:35

2.1

2.1

1+70 2.1 +0.6 3+50 2.1 +0.6







(E<sup>10</sup>)

8-21-47

104+66.88

104+66.88

8-21-47

(65)

PX

DIST SOUND

DIST SOUND

0+00 = Pt. (E<sup>10</sup>) ON 100' OFFSET LINE: SOUND

3+60 2.4 +0.7

PX

DIST SOUND DIST SOUND

10:05 2.4

0+00 2.2 +0.9 1+80 2.4 +0.7

2.4

09:59 2.3 +0.8 2.4

2.4

2.3 2+00 2.4

4+00 2.4

(3.1) 2.3 (3.1) 2.4

(3.1) 2.4

2.3 +0.8 2.4

2.4

50 2.4 +0.7 2.4

2.4

2.4 2.4

2.4

2.4 50 2.4

50 2.4

2.4 2.4

2.4

2.4 2.4

2.4

1+00 2.4 2.4

2.4

2.4 2.4

2.4

2.4 3+00 2.4

5+00 2.4 +0.7

2.4 2.4

10:07

2.4 2.4

2.4

50 2.4 2.4

2.4

2.4 2.4

2.4

1+70 2.4 +0.7 3+50 2.4 +0.7

+0.7



105+71.03<sup>(E")</sup>

8-21-47

105+71.03

8-21-47

(66)

PX

0+00 = Pt. (E") ON 100' OFFSET LINE: SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	2.5 +0.8	1+80	2.5 +0.8
<u>10:13</u>	2.4 +0.9		2.5
	2.4	2+00	2.5
(3.3)	2.4	(3.3)	2.5
	2.4		2.5
50	2.4		2.5
	2.4		2.5
	2.4	50	2.5
	2.4		2.5
	2.4 +0.9		2.5
1+00	2.5 +0.8		2.5
	2.5		2.5
	2.5	3+00	2.5
	2.5		2.5
	2.5		2.5 +0.8
50	2.5		2.4 +0.9
	2.5		2.5 +0.8
1+70	2.5 +0.8	3+50	2.5 +0.8

DIST	SOUND	DIST	SOUND
0+60	2.5 +0.8		
	2.5		
	2.5		
	2.5		
4+00	2.5		
(3.3)	2.5		
	2.5		
	2.5		
	2.5		
50	2.5		
	2.5		
	2.5		
	2.5		
	2.5		
5+00	2.5 +0.8		
<u>10:21</u>			

PX







PX

(E<sup>13</sup>)  
107+79.33

8-21-47

0+00 = Pt. (E<sup>13</sup>) ON 100' OFFSET LINE: SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	2.7 +0.9	1+80	2.7 +0.9
<u>10:39</u>	2.7		2.7
	2.7	2+00	2.7
(3.6)	2.7	(3.6)	2.7
	2.7		2.7
50	2.7		2.7
	2.7		2.7
	2.7	50	2.7
	2.7		2.7
	2.7		2.7
1+00	2.7		2.7
	2.7		2.7
	2.7	3+00	2.7
	2.7		2.7
<u>10:42</u>	2.7		2.7
50	2.7		2.7
	2.7		2.7
1+70	2.7 +0.9	3+50	2.7 +0.9

107+79.33

8-21-47

(C8)

DIST SOUND

DIST SOUND

DIST	SOUND
3+60	2.7 +0.9
<u>10:45</u>	2.7
	2.7
	2.7
4+00	2.7
(3.6)	2.7
	2.7
	2.7
	2.7
	2.7
50	2.7
	2.7
	2.7
	2.7
5+00	2.7 +0.9
<u>10:48</u>	

PX











PX

(E16)  
110+91.79

8-21-47

0+00 = Pt (E16) ON 100' OFFSET LINE; SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	3.2	+0.9	1+80
11:18	3.1	+1.0	3.2
	3.2	+0.9	2+00
(4.1)	3.2	(4.1)	3.2
	3.2		3.2
50	3.2		3.2
	3.2		3.2
	3.2	50	3.2
	3.2		3.2
	3.2		3.2
1+00	3.2		3.2
	3.2		3.2
11:20	3.2	3+00	3.2
	3.2		3.2
	3.2		3.2
50	3.2		3.2
	3.2		3.2
1+70	3.2	+0.9	3+50
			3.2
			+0.9

DIST SOUND

110+91.79

8-21-47

(7)

DIST SOUND

DIST	SOUND	DIST	SOUND
3+60	3.2	+0.9	
	3.2		
	3.2		
(4.1)	3.2		
4+00	3.2		
4+25	3.2		
	3.2		
	3.2		
50	3.2		
	3.2		
	3.2		
	3.2		
	3.2		
	3.2		
	3.2		
	3.2		
	3.2		
5+00	3.2	+0.9	

PX







PX

(E<sup>18</sup>)  
113+00.10

8-21-47

6+00=PT. (E<sup>18</sup>) ON 100' OFFSET LINE: SOUND N/E

DIST	SOUND		DIST	SOUND	
0+00	4.4	+0.7	1+80	4.3	+0.8
<u>13:05</u>	4.4			4.4	+0.7
	4.4		2+00	4.4	
(5.1)	4.4		(5.1)	4.4	
	4.4			4.4	
50	4.4		<u>13:10</u>	4.4	
	4.4			4.4	
	4.4		50	4.4	
	4.4			4.4	
	4.4			4.4	
1+00	4.4			4.4	
	4.4			4.4	
	4.4		3+00	4.4	
	4.4			4.4	
	4.4			4.4	
50	4.4			4.4	
	4.4			4.4	
1770	4.4	+0.7	3+50	4.4	+0.7

113+00.10  
DIST SOUND DIST SOUND

8-21-47

(23)

0+60 4.4 +0.7

4.4

(5.1) 4.4

4.4

4+00 4.4

13:13 4.4

4.4

4.4

4.4

50 4.4

4.4 +0.7

4.2 +0.9

4.2 +0.9

4.4 +0.7

5+00 4.4 +0.7

13:15



PK

114+07.61

0+00 = Pt (F) ON 100' OFFSET LINE: SOUND N/E

DIST	SOUND	DIST	SOUND
0+00	4.4 +0.7	1+60	4.5 +0.6
<u>13:20</u>	4.4 +0.7		4.4 +0.7
(5.1)	4.5 +0.6	(5.1)	4.4
	4.5		4.4
	4.5	2+00	4.4
50	4.5	<u>13:25</u>	4.4
	4.5		4.4
	4.5		4.4
	4.5		4.4
	4.5	50	4.4
1+00	4.5		4.4
	4.5		4.4
	4.5		4.4
	4.5		4.4
<u>13:23</u>	4.5	3+00	4.4
1+50	4.5 +0.6	3+10	4.4 +0.7

(5.1)

DIST	SOUND	DIST	SOUND
114+0	7.61		
3+20	4.4 +0.7		
	4.4		
	4.4		
50	4.4		
<u>13:28</u>	4.4		
	4.4		
(5.1)	4.4		
	4.4 +0.7		
4+00	4.3 +0.8		
	4.3 +0.8		
	4.2 +0.9		
	4.2 +0.9		
	4.0 +1.1		
50	4.0		
<u>13:34</u>	4.0		
	4.0		
	4.0		
	4.0		
5+00	4.0 +1.1		

PK  
Indexed



PX

(F<sup>2</sup>)

115+12.67

8-21-47

115+12.67

8-21-47

(55)

0+00 = Pt. (F<sup>2</sup>) On 100' OFFSET LINE: SOUND N/A

DIST	SOUND		DIST	SOUND	
0+00	4.6	+0.6	1+80	4.5	+0.7
<u>13:35</u>	4.6			4.5	
	4.6		2+00	4.5	
(5.2)	4.6		(5.2)	4.5	
	4.6			4.5	
50	4.6		<u>13:40</u>	4.5	
	4.6			4.5	
	4.6	+0.6	50	4.5	
	4.5	+0.7		4.5	
	4.5			4.5	
1+00	4.5			4.5	
	4.5			4.5	+0.7
	4.5		3+00	4.4	+0.8
<u>13:38</u>	4.5			4.4	
	4.5			4.4	
50	4.5			4.4	
	4.5			4.4	+0.8
1+70	4.5	+0.7	3+50	4.3	+0.9

DIST SOUND

3+60 4.3 +0.9

4.3 +0.9

4.2 +1.0

4.2

4+00 4.2

(5.2) 4.2

4.2

4.2

4.2

50 4.2

4.2

4.2 +1.0

4.1 +1.1

3.9 +1.3

5+00 3.9 +1.3

13:43

PX



PX

(F3)  
116+17.33

8-21-47

0+00=PT (F3) ON 100' OFFSET LINE: SOUND 1/2

DIST	SOUND		DIST	SOUND	
0+00	4.5	+0.7	1+80	4.3	+0.9
<u>13:48</u>	4.5			4.3	
	4.5		2+00	4.3	
(5.2)	4.5		(5.2)	4.3	
	4.5			4.3	
50	4.5			4.3	
	4.5			4.3	
	4.5		50	4.3	
	4.5			4.3	
	4.5			4.3	
1+00	4.5			4.3	
	4.5	+0.7		4.3	+0.9
	4.4	+0.8	3+00	4.2	+1.0
<u>13:50</u>	4.4			4.2	
	4.4			4.2	
50	4.4			4.2	
	4.4	+0.8		4.2	
1+70	4.3	+0.9	3+50	4.2	+1.0

DIST SOUND

116+17.33

8-21-47

(5)

DIST SOUND

DIST	SOUND		DIST	SOUND	
3+60	4.2	+1.0			
	4.2	+1.0			
	4.2	+1.0			
<u>13:53</u>	4.1	+1.1			
4+00	4.0	+1.2			
(5.2)	4.0				
	4.0				
	4.0				
	4.0				
50	4.0				
	4.0				
	4.0				
	4.0				
	4.0				
	4.0				
	4.0				
5+00	4.0	+1.2			

PX



PT

(F+) 117+21.14

8-21-47

DIST SOUND

117+21.14

8-21-47

(72)

DIST SOUND

0400 = Pt. (F+) ON 100' OFFSET LINE: SOUND N/E

2+60 4.0 +1.2

PT

DIST SOUND

DIST SOUND

4.0

0400 4.5 +0.7 1+80 4.4 +0.8

1+10 4.0

13:58

4.5

4.4

4.0

4.5

2+00 4.4

4+00 4.0

(5.2)

4.5

(5.2)

4.4

(5.2)

4.0

4.5

4.4 +0.8

4.0 +1.2

50 4.5

4.3 +0.9

3.9 +1.3

4.5

4.3 +0.9

3.9

4.5

50 4.3 +0.9

50 3.9

14:00

4.5

4.2 +1.0

3.9

4.5

4.2 +1.0

3.9 +1.3

1+00

4.5

4.1 +1.1

3.7 +1.5

4.5

4.0 +1.2

3.7 +1.5

4.5

3+00 4.0

5+00 3.7 +1.5

4.5

14:08 4.0

4.5

4.0

50 4.5 +0.7

4.0

14:03

4.4 +0.8

4.0

1+70

4.4 +0.8 3+50 4.0 +1.2



PX (R-100+00) 0+00 = (STA-103+00)			STA-103+00			Indy DIST SOUND		DIST SOUND			
DIST	SOUND		DIST	SOUND				DIST	SOUND		
				WEST AT 90° TO R/L.		3+60	13.0	-7.4	5+60	12.8	-7.3
						(5.6)	13.0	—		13.1	-7.6
							13.0	—	(5.5)	13.4	-7.9
0+00	10.0	-7.4	1+80	14.0	-8.4						
11:27	10.5	-4.9	(5.6)	13.6	-8.0	11:33	13.2	-7.6		13.3	-7.8
(5.6)	10.8	-4.2	2+00	13.3	-7.7	4+00	13.2	—	6+00	13.4	-7.9
	11.0	-5.4		13.3	—		12.8	-7.2		13.5	-8.0
	11.5	-5.9		13.2	-7.6		12.8	—		13.3	-7.8
50	12.0	-6.4		13.0	-7.4		12.8	—		13.3	—
	12.5	-6.9		13.0	—		12.7	-7.1		13.8	-8.3
	12.5	—	50	12.9	-7.3	50	12.6	-7.0	50	13.8	—
	13.0	-7.4		12.9	—		12.8	-7.2		14.0	-8.5
	13.2	-7.6		12.9	—		12.8	—		14.0	—
1+00	13.5	-7.9		12.8	-7.2		12.7	-7.1	11:38	13.7	-8.2
	13.8	-7.2		12.8	—		12.6	-7.0		13.4	-7.9
	14.0	-8.4	3+00	12.6	-7.0	5+00	12.5	-6.9	7+00	13.5	-8.0
	14.3	-8.7		12.5	-6.9		12.5	—		13.7	-8.2
	14.3	—		12.5	—	(5.6)	12.7	-7.1		13.7	—
50	14.3	—		12.4	-6.8	11:35	12.7	—		13.2	-7.7
11:30	14.2	-8.6		12.2	-6.6	(5.5)	12.7	-7.2		13.0	-7.5
1+70	14.1	-8.5	3+50	12.3	-6.7	5+50	13.0	-7.5	7+50	13.0	—



193+00			10-30-77		
DIST	SOUND		DIST	SOUND	
<del>7+60</del>	13.0	-7.5	9+60	13.5	-8.0
	13.0	—	<del>11:48</del> <sup>93</sup>	13.3	-7.8
(5.5)	13.0	—		13.2	-7.7
<u>11:40</u>	12.8	-7.3	(5.5)	13.2	—
8+00	13.1	-7.6	10+00	13.2	—
	13.0	-7.5		13.2	—
	12.8	-7.3		13.3	-7.8
	12.7	-7.2		13.3	—
	12.5	-7.0		13.4	-7.9
50	12.6	-7.1	50	13.5	-8.0
	12.6	—		13.8	-8.3
	12.4	-6.9		13.8	—
	12.3	-6.8	(5.5)	13.5	-8.0
	12.2	-6.7	(5.4)	13.0	-7.6
9+00	12.8	-7.3	11+00	12.8	-6.4
	13.0	-7.5	<u>11:45</u>	13.0	-7.6
	13.2	-7.7		13.3	-7.9
	14.0	-8.5		13.7	-8.0
	14.0	—		13.5	-8.1
9+50	14.0	—		13.4	-8.0
			11+50	13.4	← -8.0

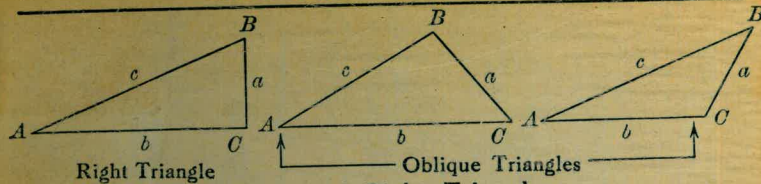
CONT. ON FIRST PAGE (INDEX) THIS BOOK.



91+25  
71+94  
22+81

3°52'30

TRIGONOMETRIC FORMULÆ



Solution of Right Triangles

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

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

Solution of Oblique Triangles

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

REDUCTION TO HORIZONTAL



Horizontal distance = Slope distance multiplied by the cosine of the vertical angle. Thus: slope distance = 319.4 ft. Vert. angle = 5° 10'. From Table, Page IX.  $\cos 5^\circ 10' = .9959$ . Horizontal distance =  $319.4 \times .9959 = 318.09$  ft. Horizontal distance also = Slope distance minus slope distance times (1 - cosine of vertical angle). With the same figures as in the preceding example, the following result is obtained.  $\text{Cosine } 5^\circ 10' = .9959$ .  $1 - .9959 = .0041$ .  $319.4 \times .0041 = 1.31$ .  $319.4 - 1.31 = 318.09$  ft. When the rise is known, the horizontal distance is approximately: - the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft., slope distance = 302.6 ft. Horizontal distance =  $302.6 - \frac{14 \times 14}{2 \times 302.6} = 302.6 - 0.32 = 302.28$  ft.