

Mission Bay

No. 19

W. C. C. C.

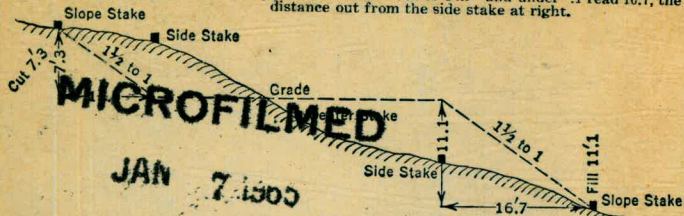
LEVEL

1875

DISTANCES FROM SIDE STAKES FOR CROSS - SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

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



Book No. 19

JAN 7 1900

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

The paper in this book No. 373A
is made of 50% high grade rag stock
with a WATER RESISTING surface sizing

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75 BENCH LEVELS ALONG CROWN PT. DR.
FOR TIDE GAUGE SET FOR APPROACH
CHANNEL PROJ # 3.1 12-15-47

ORIGINAL
SOUNDINGS OF SECTION "B"
EAST BAY CHANNEL

NOTE: SECTIONS UNLESS OTHERWISE INDICATED ARE AT 90° TO OFFSET LINE (B/A)
0+00 = -1+00 ON 100' OFFSET LINE

DIST SOUND - 1+00

"B" DIST SOUND

8-4-47
PARADE BY
SARGENT
STANLEY

(1)

DIST	SOUND	DIST	SOUND	DIST	SOUND
RX	- 1+00	SOUND EAST	50	5.1	-1.2
DIST	SOUND	DIST	SOUND		
0+00	2.0 +1.9	1+70	2.1 +1.8	(3.9)	4.3 -0.4
14:00	1.9 +2.0	(3.9)	2.8 +1.1		4.4 -0.5
(3.9)	1.9 +2.0		4.3 -0.4		4.5 -0.6
	1.9 +2.0	2+00	6.0 -2.1	4+00	4.5 -0.6
	1.9 +2.0		6.6 -2.7		4.5 -0.6
50	1.9 +2.0		7.2 -3.3	4:00	5.7 -1.2
	2.0 +1.9		8.2 -4.3		5.2 -1.3
	1.9 +2.0		8.9 -5.0		6.0 -2.1
	2.0 +1.9	50	9.3 -5.4	50	6.2 -2.3
	2.0 +1.9		9.5 -5.6		6.4 -2.5
1+00	2.0 +1.9	14:05	9.6 -5.7		8.0 -4.1
	2.0 +1.9		9.5 -5.6		9.0 -5.1
	2.0 +1.9		9.3 -5.4		9.7 -5.8
	2.0 +1.9	3+00	9.0 -5.1	5+00	10.2 -6.3
	2.0 +1.9		8.0 -4.1		
50	2.0 +1.9		6.8 -2.9		
1+60	2.0 +1.9	3+30	6.8 -2.9		

[Handwritten scribble]

Indexed

8-4-4

0+00

"B"

8-4-41

(2)

PX

STA- 0+00

DIST

SOUND

DIST

SOUND

PX

0+00=STA-0+00 ON 100' OFFSET LINE: SOUND FM 3+60 4.4 +0.6-

DIST SOUND DIST SOUND 14:23 3.8 0.0

0+00 2.6 +1.2 1+80 4.1 -0.3 5.2 +1.9-

14:17 2.4 +1.4 14:20 6.0 -2.2 (3.8) 5.8 +2.0-

(3.8) 2.3 +1.5 2+00 7.4 -3.6 4+00 5.5 +1.7-

2.4 +1.4 (3.8) 7.5 -3.7 7.0 +3.2-

2.5 +1.3 8.0 -4.2 9.0 +3.2-

50 2.3 +1.5 8.5 -4.7 4.0 +0.2-

2.1 +1.7 9.0 -5.2 3.5 +0.3

2.1 +1.7 50 9.1 -5.3 50 3.1 +0.7

2.0 +1.8 9.2 -5.4 3.1 +0.7

2.0 +1.8 9.0 -5.2 3.1 +0.7

1+00 1.8 +2.0 8.8 -5.0 4.0 +0.2-

1.7 +2.1 8.8 -5.0 4.1 +0.3-

1.8 +2.0 3+00 8.6 -4.8 5+00 3.8 0.0

2.0 +1.8 9.4 -3.6 14:25

2.3 +1.5 6.7 -2.9

50 2.4 +1.4 5.6 -1.9

2.5 +1.3 5.7 -1.9

1+70 3.0 +0.8 3+ 50 5.0 -1.2

8-4-48

PX

1+00 'B'

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

DIST SOUND DIST SOUND

0+00 3.3 +0.4 1+80 6.8 -3.1 (3.7) 5.8 -2.1

14:33 3.1 +0.6 7.7 -4.0 3.2 +0.5

(3.7) 3.4 +0.3 2+00 8.1 -4.4 4+00 3.2 +0.5

3.5 +0.2 (3.7) 8.5 -4.8 1.8 +1.9

3.6 +0.1 8.9 -5.2 1.9 +1.8

50 3.6 +0.1 9.1 -5.4 1.6 +2.1

3.0 +0.7 9.1 -5.4 14:40 1.3 +2.4

3.0 +0.7 50 9.0 -5.3 50 1.3 +2.4

3.6 +0.1 8.8 -5.1 1.3 +2.4

3.6 +0.1 8.7 -5.0 1.3 +2.4

1+00 2.6 +1.1 8.3 -4.6 1.2 +2.5

3.5 +0.2 8.1 -4.4 1.2 +2.5

14:35 4.2 -0.5 3+00 7.1 -3.4 5+00 1.2 +2.53.2 +0.5 14:38 6.2 -2.5

3.1 +0.6 6.0 -2.3

50 4.9 -1.2 5.5 -1.8

5.5 -1.8 6.0 -2.3

1+70 5.3 -1.6 3+50 5.4 -1.7

1+00 "B"

8-4-47

(3)

DIST SOUND

DIST SOUND

3+60 5.1 -1.4

6.0 -2.3

(3.7) 5.8 -2.1

3.2 +0.5

4+00 3.2 +0.5

1.8 +1.9

1.9 +1.8

1.6 +2.1

14:40 1.3 +2.4

50 1.3 +2.4

1.3 +2.4

1.3 +2.4

1.2 +2.5

1.2 +2.5

5+00 1.2 +2.5

6.2 -2.5

6.0 -2.3

5.5 -1.8

6.0 -2.3

3+50 5.4 -1.7

PX

8-5-47

8-5-47

(4)

PX 2+00 "B"			2+00 "B"					
0+00 STA-2+00 ON 100' OFFSET LINE:			SOUND	EAST	DIST	SOUND	DIST	SOUND
DIST	SOUND		DIST	SOUND		DIST	SOUND	
					3+60	4.0	+0.4	
0+00	0.7	+3.7	1+80	9.5	-5.1		-2.9	+1.3
<u>13:10</u>	0.7	+3.7		10.0	-5.6		2.4	+2.0
(4.4)	0.7	+3.7	2+00	10.5	-6.1	(4.4)	2.2	+2.2
	0.7	+3.7	(4.4)	11.0	-6.6	4+00	2.2	+2.2
	0.7	+3.7		10.8	-6.4		2.1	+2.3
50	0.8	+3.6		10.0	-5.6		2.0	+2.4
	0.6	+3.8		10.0	-5.6		2.0	+2.4
	0.7	+3.7	50	9.4	-5.0		2.0	+2.4
	0.8	+3.6		9.0	-4.6	50	2.0	+2.4
	0.9	+3.5		8.5	-4.1		2.0	+2.4
1+00	1.1	+3.3		8.7	-4.3		2.0	+2.4
	1.1	+3.3		8.0	-3.6		2.1	+2.3
	2.5	+1.9	3+00	6.9	-2.5		2.0	+2.4
	6.0	-1.6	<u>13:15</u>	7.0	-2.6	5+00	2.0	+2.4
	7.1	-2.7		7.2	-2.8	<u>13:19</u>		
50	8.1	-3.7		7.1	-2.7			
	8.8	-4.4		6.0	-1.6			
1+90	9.3	-4.9	3+50	4.5	+0.1			

8-5-47

3+00

"B"

8-5-47

⑤

PX

3+00 "B"

DIST

SOUND

DIST

SOUND

0+00 = STA-3+00 ON 100' OFFSET LINE: SOUND EAST

3+60

2.8

+1.8

DIST SOUND

DIST SOUND

2.7

+1.9

0+00

0.9

+3.7

1+80

9.4

-4.8

2.5

+2.1

12:45

0.9

+3.7

12:48

9.3

-4.7

2.4

+2.2

0.9

+3.7

2+00

9.4

-4.8

4+00

2.4

+2.2

④.6

1.0

+3.6

④.6

9.3

-4.7

④.6

2.4

+2.2

1.0

+3.6

9.2

-4.6

2.4

+2.2

50

1.1

+3.5

9.0

-4.4

2.7

+1.9

1.2

+3.4

9.0

-4.4

3.0

+1.6

1.2

+3.4

50

8.7

-4.1

50

3.0

+1.6

1.6

+3.0

8.5

-3.9

3.0

+1.6

3.5

+2.9

8.3

-3.7

3.0

+1.6

1+00

8.2

-3.6

8.0

-3.4

3.1

+1.5

9.0

-4.4

7.5

-2.9

3.1

+1.5

9.7

-5.1

3+00

7.3

-2.7

3+00

3.1

+1.5

10.0

-5.4

12:50

7.0

-2.4

12:55

10.1

-5.5

6.0

-1.4

50

10.1

-5.5

7.2

+0.4

10.1

-5.5

4.0

+0.6

1+70

9.8

-5.2

3+50

3.4

+1.2

~~PX~~ 4+00 "B" 8-5-47
 0+00=570-4+00 ON 100' OFFSET LINE: SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	+1.0	+2.0	1+90 6.4 -3.4
+10	+0.8	+2.2	2+00 6.2 -3.2
<u>09:23</u>	+0.8	+2.2	6.0 -3.0
0+38	0.0	3.0	(3.0) 6.0 -3.0
+50	2.0	+1.0	5.2 -2.2
(3.0)	5.7	-2.7	5.0 -2.0
	7.0	-4.0	50 4.7 -1.7
	8.5	-5.5	4.5 -1.5
	8.8	-5.8	5.2 -2.2
1+00	8.8	-5.8	4.7 -1.7
<u>09:25</u>	8.7	-5.7	3.2 -0.2
	8.4	-5.4	3+00 2.6 +0.4
	8.0	-5.0	<u>09:28</u> 2.5 +0.5
	7.6	-4.6	(3.1) 2.2 +0.9
50	7.2	-4.2	2.0 +1.1
	7.1	-4.1	2.0 +1.1
	6.7	-3.7	3+50 2.0 +1.1
1+80	6.5	-3.3	3+60 2.0 +1.1

4+00 "B" 8-5-47

DIST	SOUND	DIST	SOUND
3+70	2.2	+0.9	
(3.1)	2.6	+0.5	
	2.0	+1.1	
4+00	1.3	+1.8	
	1.2	+1.9	
	1.1	+2.0	
	1.4	+1.7	
	2.4	+0.7	
50	2.4	+0.7	
	2.4	+0.7	
<u>09:30</u>	2.4	+0.7	
	2.4	+0.7	
	2.4	+0.7	
5+00	2.0	+1.1	

~~PX~~

(6)

PX 5+00 "B"

8-4-47

0+00 STA. 5+00 ON 100' OFFSET LINE; SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	0.2 +3.1	1+80	5.2 -1.9
15:20	2.0 +1.3	(3.3) 5.2	-1.9
(3.3)	2.1 +1.2 -5.8	2+00	5.1 -1.8
	3.0 +0.3		4.8 -1.5
	8.5 -5.2		5.0 -1.7
50	9.1 -5.8		4.5 -1.2
	9.2 -5.9		4.1 -0.8
	9.3 -6.0	50	2.5 +0.8
	9.0 -5.7		1.5 +1.8
	8.7 -5.4		1.0 +2.3
1+00	8.2 -4.9		1.1 +2.2
	8.0 -4.7		2.0 +1.3
	7.6 -4.3	3+00	2.0 +1.3
	7.2 -3.9		2.0 +1.3
	6.8 -3.5		1.4 +2.9
50	6.7 -3.4	15:25	1.2 +2.1
	6.4 -3.1		1.2 +2.1
1+70	6.0 -2.7	3+50	1.5 +1.8

5+00 "B" DIST SOUND DIST SOUND

3+60	1.8 +1.5
	2.0 +1.3
(3.3)	2.2 +1.1
	2.5 +0.8
4+00	2.9 +0.4
	2.8 +0.5
	3.6 -0.3
	3.8 -0.5
	3.8 -0.5
50	3.5 -0.2
	3.2 +0.1
	3.1 +0.2
	3.2 +0.1
	3.0 +0.3
5+00	2.4 +0.9

PX

(2)

15:20

PX		6+00 "B"		8-5-47		6+00 "B"		8-5-47	
				DIST		SOUND		DIST SOUND	
0+00=STA-6+00 On 100' OFFSET LINE; SOUND EAST				3+60	3.9	-0.6			
DIST	SOUND	DIST	SOUND		4.4	-1.1			
0+00	7.1 -3.8	1+80	4.0 -0.7	(3.3)	4.5	-1.2			PX
09:43	8.7 -5.4		4.2 -0.9		4.2	-0.9			
(3.3)	9.0 -5.7	2+00	3.8 +0.5	4+00	4.2	-0.9			
	9.1 -5.8	(3.3)	1.8 +1.5		3.7	-0.4			
	9.1 -5.8		1.0 +2.3		3.0	+0.3			
50	9.0 -5.7		1.0 +2.3		2.8	+0.5			
	9.0 -5.7		0.9 +2.4		2.2	+1.1			
	8.4 -5.1	50	0.9 +2.4	50	1.7	+1.6			
	8.0 -4.7		1.0 +2.3		1.3	+2.0			
	7.5 -4.2		1.0 +2.3		1.0	+2.3			
1+00	7.0 -3.7		1.0 +2.3		1.0	+2.3			
	6.6 -3.3		1.1 +2.2		1.0	+2.3			
	6.0 -2.7	3+00	1.3 +2.0	5+00	1.0	+2.3			
	6.0 -2.7		1.7 +1.6	09:50					
09:15	5.5 -2.2		2.5 +0.8						
50	5.3 -2.0		2.6 +0.7						
	5.1 -1.9		3.0 +0.3						
1+70	4.9 -1.6	3+50	3.0 +0.3						

8-5-47

12+00 "B"

8-5-47

⑨

DIST

SOUND

DIST

SOUND

PX 12+00 "B"
0+00 = STA 12+00 ON 100' OFFSET LINE 'SOUND EAST

3+60 1.4 +2.1

DIST SOUND

DIST SOUND

10:10 1.4 +2.1

0+00 7.2 -3.7 1+80 2.5 +1.0

1.3 +2.2

10:06 10.0 -6.5 2.5 +1.0

(3.5) 1.3 +2.2

13.7 -10.2 2+00 2.5 +1.0

4+00 1.4 +2.1

(3.5) 15.0 -11.5 (3.5) 2.6 +0.9

1.2 +2.3

16.0 -12.5 2.9 +0.6

1.1 +2.4

50 16.4 -12.9 2.8 +0.7

1.1 +2.4

16.4 -12.9 2.8 +0.7

1.1 +2.4

16.0 -12.5 50 3.5 0.0

50 1.0 +2.5

14.7 -11.2 3.0 +0.5

1.0 +2.5

12.0 -8.5 2.8 +0.7

1.0 +2.5

1+00 9.5 -6.0 2.6 +0.9

1.0 +2.5

3.0 +0.5 2.6 +0.9

1.0 +2.5

3.0 +0.5 3+00 2.4 +1.1

5+00 1.1 +2.4

2.9 +0.6 2.0 +1.5

2.9 +0.6 1.8 +1.7

50 2.6 +0.9 1.7 +1.8

2.3 +1.2 1.5 +2.0

1+70 2.3 +1.2 3+50 1.4 +2.1

PX

13+00 "B"

8-5-47

13+00 "B" 8-5-47

(10)

0+00 = STA - 13+00 ON 100' OFFSET LINE. SOUND EAST

DIST SOUND

DIST SOUND

PX

DIST SOUND

DIST SOUND

0+00 4.0 -0.1

1+80 3.5 +0.4

10:40 2.0 +1.9

2.0 +1.9

10:42 5.5 -1.6

10:45 3.4 +0.5

(3.9) 2.0 +1.9

7.0 -3.1

2+00 3.4 +0.5

4+00 2.1 +1.8

(3.9) 10.3 -6.4

(3.9) 3.4 +0.5

2.1 +1.8

12.5 +8.6

3.2 +0.7

2.3 +1.6

50 14.0 +10.1

3.3 +0.6

2.1 +1.8

15.2 -11.3

3.1 +0.8

1.8 +2.1

16.7 +12.4

50 3.0 +0.9

50 1.8 +2.1

16.6 +12.7

2.9 +1.0

1.8 +2.1

16.0 +12.1

2.7 +1.2

1.7 +2.2

1+00 15.0 +11.1

2.8 +1.1

1.7 +2.2

13.4 -9.5

2.7 +1.2

1.7 +2.2

9.8 -5.9

3+00 2.6 +1.3

5+00 1.6 +2.3

7.2 -3.3

2.5 +1.4

6.4 -2.5

2.5 +1.4

50 6.1 -2.2

2.5 +1.4

5.8 -1.9

2.3 +1.6

1+70 4.3 -0.4

3+50 2.2 +1.7

8-5-47

14+00 "B" DIST SOUND 14+00 "B" 8-5-47

①

PX
0+00 = STA-14+00 ON 100' OFFSET LINE; SOUND EAST

DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	
				3+50	4.5	-0.5		
				1100	4.0	0.0	PX	
0+00	3.0	+1.0	1+80	3.1	-5.1	4.0	0.0	
<u>10:55</u>	3.8	+0.2		8.8	-4.8	(4.0)	3.8	+0.2
(4.0)	5.4	-1.4	2+00	8.5	-4.5	4+00	3.2	+0.8
	7.3	-3.3	(4.0)	8.1	-4.1		3.0	+1.0
	7.7	-3.7		8.0	-4.0		3.0	+1.0
50	8.7	-4.7	<u>10:58</u>	7.8	-3.8		3.2	+0.8
	10.0	-6.0		7.7	-3.7		3.5	+0.5
	10.5	-6.5	50	7.4	-3.4	50	3.1	+0.9
	11.0	-7.0		7.2	-3.2		3.0	+1.0
	10.8	-6.8		7.2	-3.2		2.5	+1.5
1+00	11.0	-7.0		7.1	-3.1		2.0	+2.0
	11.3	-7.3		6.8	-2.8		2.0	+2.0
	11.1	-7.1	3+00	6.4	-2.4	5+00	2.0	+2.0
	11.0	-7.0		6.3	-2.3			
	11.0	-7.0		6.3	-2.3			
50	11.0	-7.0		6.1	-2.1			
	10.0	-6.0		6.0	-2.0			
1+70	9.6	-5.6	3+50	4.8	-0.8			

PX

15+00 "B"

8-5-47

15+00 "B" 8-5-47

(12)

0+00=STA-15+00 ON 100' OFFSET LINE:

SOUND EAST

DIST SOUND

DIST SOUND

DIST SOUND

DIST SOUND

0+00 2.4 +1.8

1+80 7.4 -3.2

2.7 -3.5

11:08 2.5 +1.7

11:10 7.0 -2.8

(4.2)

7.8 -3.6

2.6 +1.6

2+00 7.0 -2.8

4+00

7.9 -3.7

(4.2) 3.4 +0.8

(4.2) 7.3 -3.1

7.9 -3.7

4.0 +0.2

7.0 -2.8

8.0 -3.8

50 5.5 -1.3

7.2 -3.0

8.1 -3.9

6.6 -2.4

7.4 -3.2

8.0 -3.8

7.0 -2.8

50 7.5 -3.3

50 8.0 -3.8

7.5 -3.3

7.2 -3.0

8.0 -3.8

8.0 -3.8

7.1 -2.9

8.0 -3.8

1+00 8.0 -3.8

7.3 -3.1

8.0 -3.8

8.5 -4.3

7.3 -3.1

8.0 -3.8

8.0 -3.8

3+00 7.4 -3.2

5+00

8.0 -3.8

8.2 -4.0

7.5 -3.3

11:10

8.0 -3.8

7.5 -3.3

50 7.8 -3.6

7.5 -3.3

8.0 -3.8

7.4 -3.2

1+70 7.8 -3.6

3+50 7.5 -3.3

PT

16+00 "B"

8-5-47

DIST SOUND

16+00 "B" 8-5-47

DIST SOUND

(13)

0+00 = STA-16+00 ON 100' OFFSET LINE: SOUND EAST

3+60 6.2 -1.9

PX

DIST SOUND DIST SOUND

6.2 -1.9

0+00 2.7 +1.6 1+80 5.0 -0.7

6.2 -1.9

11:20 2.6 +1.7 11:25 5.2 -0.9

6.8 -2.5

2.6 +1.7 2+00 6.0 -1.9

4+00 7.4 -3.1

(4.3) 2.6 +1.7 (4.3) 6.0 -1.9

(4.3) 6.7 -2.4

2.6 +1.7 6.0 -1.9

6.5 -2.2

50 2.7 +1.6 6.2 -1.9

6.5 -2.2

3.5 +0.8 6.8 -2.5

6.5 -2.2

4.6 -0.3 50 6.4 -2.1

50 6.7 -2.4

5.2 -0.9 6.4 -2.1

2.0 -2.7

5.3 -1.0 6.4 -2.1

2.0 -2.7

1+00 6.4 -2.1 6.0 -1.7

6.8 -2.5

6.2 -1.9 5.8 -1.5

6.8 -2.5

6.3 -2.0 3+00 5.8 -1.5

5+00 7.1 -2.8

6.4 -2.1 11:25 5.8 -1.5

6.3 -2.0 5.8 -1.5

50 6.0 -1.7 6.0 -1.7

5.8 -1.5 6.1 -1.8

1+70 5.6 -1.3 3+50 6.4 -2.1

PX

23+00 "B"

8-5-17

DIST SOUND

PX 23+00 "B"

8-5-17

DIST SOUND

(12)

0+00 STA - 23+00 ON 100' OFFSET LINE: SOUND EN

3+60 1.7 +2.4

DIST SOUND

DIST SOUND

1.9 +2.2

0+00 6.5 -2.4

1+80 2.5 +1.6

1.9 +2.2

14:00 6.5 -2.4

2.5 +1.6

2.7 +1.9

(4.1) 6.0 -1.9

2+00 2.5 +1.6

4+00 2.1 +2.0

4.5 -0.4

(4.1) 2.6 +1.5

14:05 2.0 +2.1

4.1 0.0

14:05 2.1 +2.0

(4.1) 2.7 +1.9

50 3.2 +0.9

2.1 +2.0

2.0 +2.1

3.2 +0.9

2.3 +1.8

2.0 +2.1

3.3 +0.8

50 2.1 +2.0

50 2.1 +2.0

3.6 +0.5

1.9 +2.2

2.1 +2.0

3.7 +0.7

1.8 +2.3

2.1 +2.0

1+00 3.7 +0.7

1.8 +2.3

2.1 +2.0

3.7 +0.7

1.8 +2.3

2.1 +2.0

3.1 +1.0

3+00 1.9 +2.1

5+00 2.0 +2.4

3.0 +1.1

1.8 +2.3

2.9 +1.2

1.7 +2.4

50 2.9 +1.2

14:08 1.9 +2.2

3.0 +1.1

1.9 +2.2

1+70 2.7 +1.4

3+50 1.8 +2.3

PX

22+00 "B"

8-5-47

DIST SOUND

22+00 "B" 8-5-47

DIST SOUND

(15)

0+00 = STA-22+00 ON 100' OFFSET LINE: SOUND EAST

DIST	SOUND	DIST	SOUND	EAST
0+00	4.0	0.0	1+80	2.0 +2.0
<u>14:18</u>	4.0	0.0		2.4 +1.6
	5.1	-1.1	2+00	2.0 +2.0
(4.0)	6.0	-2.0	(4.0)	1.7 +2.3
	6.8	-2.8	<u>14:23</u>	1.8 +2.2
50	6.8	-2.8		1.8 +2.2
	6.4	-2.4		1.7 +2.3
	6.0	-2.0	50	1.5 +2.5
	5.1	-1.1		1.5 +2.5
	4.1	-0.1		1.4 +2.6
1+00	4.0	0.0	<u>14:25</u>	1.0 +3.0
	3.8	+0.2		1.0 +3.0
	3.2	+0.8	3+00	1.0 +3.0
	3.5	+0.5		1.0 +3.0
	2.0	+2.0		1.0 +3.0
50	2.1	+1.9		1.0 +3.0
	2.1	+1.9		1.0 +3.0
1+70	1.8	+2.2	3+50	1.0 +3.0

3+60 1.0 +3.0

14:28 1.0 +3.0

1.0 +3.0

1.0 +3.0

4+00 1.0 +3.0

(4.0) 1.0 +3.0

1.0 +3.0

1.0 +3.0

1.2 +2.8

50 1.2 +2.8

1.0 +3.0

1.1 +2.9

1.2 +2.8

1.2 +2.8

5+00 1.0 +3.0

PX

8-5-47

21+00 "B"

DIST SOUND

21+00 "B" 8-5-47

DIST SOUND

(16)

0+00 = STA 21+00 ON 100' OFFSET LINE: SOUND EAST

3+60

1.4 +3.1

DIST SOUND DIST SOUND

1.4 +3.1

0+00 3.0 +0.8 1+80 1.4 +2.4

(4.5)

1.5 +3.0

14:39 2.9 +0.9 1.5 +2.3

1.5 +3.0

2.8 +1.0 2+00 1.5 +2.3

4+00

1.4 +3.1

(3.8) 2.9 +0.9 (3.8) 1.4 +2.4

1.5 +3.0

3.5 +0.3 1.4 +2.4

1.5 +3.0

50 4.0 -0.2 1.4 +2.4

1.5 +3.0

5.4 -1.6 1.3 +2.5

1.5 +3.0

6.2 -2.4 50 1.0 +2.4

50

1.5 +3.0

7.1 -3.3 1.0 +2.5

1.6 +2.9

7.5 -3.7 14:43 0.8 +3.0

1.6 +2.9

8-5-47

1+00 7.2 -3.4 0.5 +3.3

1.5 +3.0

6.8 -3.0 (3.8) 0.4 +3.4

1.6 +2.9

6.2 -2.4 3+00 0.4 +3.4

5+00

1.6 +2.9

4.0 -0.2 12:50 1.4 +2.4

8-6-47

2.6 +1.2 (4.5) 1.4 +2.4

50 2.0 +1.8 1.3 +2.5

1.7 +2.1 1.4 +2.4

1+70 1.5 +2.3 3+50 1.4 +2.4

PX

30+00 "B"

8-6-47

PX

30+00 "B"

8-6-47

(12)

0+00=STA 30+00 ON 100' OFFSET LINE: SOUND FAFF

DIST SOUND

DIST SOUND

DIST SOUND

DIST SOUND

0+00 1.8 +1.8 1+80 2.2 +1.4

3+60 2.6 +1.0

10:45 +10 1.9 +1.7 10:48 2.2 +1.4

11:52 2.9 +0.9

2.1 +1.5 2+00 2.2 +1.4

2.9 +0.7

(3.6) 2.0 +1.6 (3.6) 2.2 +1.4

2.9 +0.7

2.0 +1.6 2.3 +1.3

2.9 +0.7

50 2.0 +1.6 2.4 +1.2

(3.6) 2.9 +0.7

2.0 +1.6 2.4 +1.2

2.9 +0.7

2.0 +1.6 50 2.4 +1.2

2.8 +0.8

2.0 +1.6 2.4 +1.2

2.8 +0.8

2.2 +1.4 2.4 +1.2

2.8 +0.8

1+00 2.1 +1.5 2.5 +1.1

50 2.9 +0.9

2.2 +1.4 2.5 +1.1

2.8 +0.8

2.2 +1.4 3+00 2.5 +1.1

3.0 +0.6

2.2 +1.4 2.6 +1.0

3.0 +0.6

2.1 +1.5 2.6 +1.0

3.0 +0.6

50 2.0 +1.6 2.6 +1.0

3+00 3.0 +0.6

2.4 +1.2 2.6 +1.0

1+70 2.4 +1.2 3+50 2.6 +1.0

8-6-47

PX

29+00 "B"

8-6-47

(18)

PX

29+00 "B"

DIST SOUND

DIST SOUND

0+00 = STA-29+00 ON 100' OFFSET LINE: SOUND

DIST SOUND DIST SOUND

0+00 2.0 +1.8 1+00 2.5 +1.3

11:00 2.2 +1.6 11:03 2.4 +1.4

2.0 +1.8 2+00 2.5 +1.3

(3.8) 2.0 +1.8 (3.8) 2.5 +1.3

2.2 +1.6 2.5 +1.3

50 2.2 +1.6 2.7 +1.1

2.1 +1.7 2.6 +1.2

2.1 +1.7 50 2.6 +1.2

2.2 +1.6 2.7 +1.1

2.3 +1.5 2.7 +1.1

1+00 2.3 +1.5 2.7 +1.1

2.4 +1.4 2.7 +1.1

2.4 +1.4 3+00 2.7 +1.1

2.4 +1.4 2.8 +1.0

2.4 +1.4 2.8 +1.0

50 2.4 +1.4 2.9 +1.0

2.5 +1.3 2.9 +1.0

1+70 2.5 +1.3 3+50 3.0 +1.0

3+60 3.0 +0.8

2.8 +1.0

2.8 +1.0

2.8 +1.0

2+00 2.8 +1.0

(3.8) 2.9 +0.9

2.9 +0.9

2.9 +0.9

2.9 +0.9

50 2.9 +0.9

2.9 +0.9

2.9 +0.9

3.0 +0.8

3.0 +0.8

5+00 3.0 +0.8

2.8 +1.0

2.8 +1.0

2.9 +1.0

2.9 +1.0

3.0 +1.0

PX

28+00 "B"

8-6-47

PX
DIST SOUND

28+00 "B"

8-6-47

(19)

DIST SOUND

0+00 = STA - 28+00 ON 100' OFFSET LINE: SOUND EAST

3+60 2.9 +1.1

DIST SOUND . DIST SOUND

11:20 2.9 +1.1

0+00 2.4 +1.6 1+80 2.5 +1.5

2.9 +1.1

11:15 2.4 +1.6 2.5 +1.5

2.9 +1.1

2.3 +1.7 2+00 2.5 +1.5

4+00 2.9 +1.1

(4.0) 2.4 +1.6 (4.0) 2.6 +1.4

(4.0) 2.9 +1.1

2.4 +1.6 11:18 2.6 +1.4

2.9 +1.1

50 2.4 +1.6 2.6 +1.4

2.9 +1.1

2.4 +1.6 2.7 +1.3

3.0 +1.0

2.4 +1.6 50 2.8 +1.2

50 3.0 +1.0

2.5 +1.5 2.8 +1.2

3.0 +1.0

2.5 +1.5 2.7 +1.3

3.0 +1.0

1+00 2.5 +1.5 2.7 +1.3

3.0 +1.0

2.5 +1.5 2.9 +1.1

3.0 +1.0

2.5 +1.5 3+00 2.9 +1.1

5+00 3.0 +1.0

2.5 +1.5 2.9 +1.1

11:13

2.5 +1.5 2.9 +1.1

50 2.5 +1.5 2.9 +1.1

2.5 +1.5 2.9 +1.1

1+70 2.5 +1.5 3+50 2.9 +1.1

PX

11+00 "B"

8-6-47

0+00=STA-11+00 ON 100' OFFSET LINE; SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	12.5 -7.9	1+00	3.6 +1.0
<u>12:43</u> +10	14.2 -9.6		4.0 +0.6
	15.3 -10.7	2+00	4.3 +0.3
(4.6)	15.1 -10.5	(4.6)	4.8 -0.2
	14.2 -9.6		5.0 -0.4
50	14.2 -9.6		5.0 -0.4
	12.7 -8.1		5.0 -0.4
	11.0 -6.4	50	5.0 -0.4
	8.5 -3.9		4.5 +0.1
	5.0 -0.4		4.3 +0.3
1+00	4.4 +0.2		4.4 +0.2
	4.4 +0.2		3.7 +0.9
	4.1 +0.5	3+00	3.1 +1.5
	3.8 +0.8		2.9 +1.7
	3.0 +1.6		2.7 +1.9
50	2.7 +1.9		2.6 +2.0
<u>12:45</u>	2.7 +1.9	<u>12:48</u>	2.4 +2.2
1+70	3.1 +1.5	3+50	2.4 +2.2

DIST	SOUND
3+60	2.4 +2.2
	2.4 +2.2
	2.4 +2.2
	2.3 +2.3
4+00	2.3 +2.3
(4.6)	2.4 +2.2
	2.4 +2.2
	2.4 +2.2
	2.4 +2.2

DIST	SOUND
50	2.0 +2.6
	2.0 +2.6
	2.0 +2.6
	2.0 +2.6
	2.2 +2.4
5+00	2.0 +2.6

11+00 "B" 8-6-47

DIST SOUND

(20)

PX

PX

10+00 "B"

8-6-47

0+00 = STA-10+00 ON 100' OFFSET LINE: SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	12.0 -7.4	1+80	4.0 +0.6
<u>12:55</u> +10	12.3 -7.7		4.2 +0.4
	12.5 -7.9	2+00	4.5 +0.1
(4.9)	12.1 -7.5	(4.6)	5.2 -0.6
	12.0 -7.4		5.5 -0.9
50	11.7 -7.1		5.5 -0.9
	11.0 -6.4		5.5 -0.9
	8.8 -4.2	50	5.7 -1.1
	8.0 -3.4	<u>13:00</u>	5.7 -1.1
	6.7 -2.1		4.7 -0.1
1+00	4.5 +0.1		4.2 +0.4
	3.4 +1.2		3.5 +1.1
	2.6 +2.0	3+00	3.1 +1.5
	2.3 +2.3		2.8 +1.8
	2.4 +2.2		2.4 +2.2
50	2.4 +2.2		2.4 +2.2
<u>12:58</u>	2.8 +1.8		2.1 +2.5
1+70	3.3 +1.3	3+50	2.1 +2.5

DIST SOUND

10+00 "B" 8-6-47

DIST. SOUND

(2)

DIST	SOUND
3+60	2.1 +2.5
	2.1 +2.5
	2.0 +2.6
	2.0 +2.6
4+00	1.9 +2.7
(4.6)	1.9 +2.7
	1.8 +2.8
	1.8 +2.8
	2.0 +2.6
50	2.0 +2.6
	2.0 +2.6
	1.8 +2.8
	1.9 +2.7
	1.9 +2.7
5+00	2.0 +2.6
<u>13:05</u>	

PX

PX

17+00 "B"

8-6-47

17+00 "B"

8-6-47

(22)

6+00=STA-

ON 100' OFFSET LINE: SOUND EAST

DIST SOUND

DIST SOUND

PX

DIST	SOUND		DIST	SOUND	
0+00	3.0	+1.6	1780	5.5	-0.9
<u>13:14</u>	3.0	+1.6	<u>13:18</u>	5.1	-0.5
	3.0	+1.6	2700	4.5	+0.1
(4.6)	3.0	+1.6	(4.6)	4.4	+0.2
	3.0	+1.6		4.1	+0.5
50	3.0	+1.6		4.3	+0.3
	3.0	+1.6		4.0	+0.6
	3.0	+1.6	50	4.0	+0.6
	3.1	+1.5		4.0	+0.6
	4.0	+0.6		3.5	+1.1
1+00	4.7	-0.1	<u>13:20</u>	2.8	+1.8
	5.9	-1.3		2.8	+1.8
	6.4	-1.8	3+00	2.7	+1.9
	7.0	-2.4		2.7	+1.9
	6.7	-2.1		2.7	+1.9
50	6.9	-2.3		2.7	+1.9
	6.7	-2.1		2.7	+1.9
1+70	6.7	-2.1	3+50	2.7	+1.9

DIST	SOUND	
3+60	2.8	+1.8
	2.8	+1.8
	2.7	+1.9
	3.0	+1.6
4+00	3.4	+1.2
(4.6)	3.5	+1.1
<u>13:23</u>	4.4	+0.2
	5.0	-0.4
	5.5	-0.9
50	5.5	-0.9
	5.5	-0.9
	5.6	-1.0
	6.0	-1.4
	6.5	-1.9
5+00	6.7	-2.1

PX

18+00 "B"

8-6-47

6+00 = STA-18+00 ON 100' OFFSET LINE: SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	3.0 +1.5	1+80	6.7 -2.2
<u>13:30</u>	2.9 +1.6		6.0 -1.5
	2.9 +1.6	2+00	5.1 -0.6
	2.9 +1.6		4.5 0.0
(4.5)	2.9 +1.6	(4.5)	3.1 +1.4
50	2.9 +1.6		2.7 +1.8
	2.9 +1.6	<u>13:35</u>	3.4 +1.1
	3.0 +1.5	50	3.5 +1.0
	3.1 +1.4		3.4 +1.1
	3.0 +1.5		2.4 +2.1
1+00	4.1 +0.4		2.4 +2.1
	4.4 +0.1		2.8 +1.9
	5.8 -1.3	3+00	2.9 +1.6
	6.2 -1.7		3.1 +1.4
	6.8 -2.3		3.4 +1.1
50	7.0 -2.5		4.0 +0.5
	7.0 -2.5		4.3 +0.2
1+70	7.0 -2.5	3+50	4.3 +0.2

DIST SOUND

18+00 "B"

8-6-47

(23)

DIST SOUND

3+60 4.4 +0.1

5.1 -0.6

5.6 -1.1

5.2 -0.9

4+00 5.0 -0.5

13:38 4.3 +0.2

(4.5) 4.4 +0.1

4.2 +0.3

4.0 +0.5

50 3.7 +0.8

3.5 +1.0

3.3 +1.2

3.2 +1.3

3.0 +1.5

5+00 3.0 +1.5

13:40

3.1 +1.4

3.4 +1.1

4.0 +0.5

4.3 +0.2

PX

PX

19+00 "B"

8-6-47

0+00=STA- 19+00 ON 100' OFFSET LINE: SOUND EAST DIST SOUND DIST SOUND

DIST SOUND DIST SOUND

0+00 3.4 +1.1 1+80 5.1 -0.6

13:453.2 +1.3 13:48 4.1 +0.4

(4.5)

3.1 +1.4 2+00 3.4 +1.1 (4.5)

3.1 +1.4 (4.5) 2.7 +1.8 4+00 1.7 +2.8

3.1 +1.4 1.7 +2.8

50 3.1 +1.4 2.0 +2.5

3.1 +1.4 1.7 +2.8

3.1 +1.4 50 1.5 +3.0

3.1 +1.4 13:50 1.5 +3.0 50 1.7 +2.8

3.9 +0.6 1.7 +2.8

1+00 4.2 +0.3 1.7 +2.8

5.8 -1.3 1.5 +3.0

6.5 -2.0 3+00 1.8 +2.7

6.8 -2.3 1.7 +2.8 5+00 3.1 +1.4

7.6 -3.1 1.6 +2.9 14:00

50 7.7 -3.2 1.9 +2.6

7.2 -2.7 1.7 +2.8

1+70 6.5 -2.0 3+50 1.5 +3.0

19+00 "B"

8-6-47

(2X)

DIST SOUND DIST SOUND

3+60 1.5 +3.0

1.9 +2.6

1.5 +3.0

1.8 +2.7

4+00 1.7 +2.8

1.7 +2.8

1.6 +2.9

1.7 +2.8

1.7 +2.8

50 1.7 +2.8

2.2 +2.3

2.4 +2.1

2.5 +2.0

2.8 +1.7

5+00 3.1 +1.4

1.6 +2.9

1.9 +2.6

1.7 +2.8

1.5 +3.0

PX

PX

20+00 "B"

8-6-17

0+00=STA-20+00 ON 100' OFFSET LINE: SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	3.1 +1.3	1+80	2.4 +2.0
<u>14:00</u>	3.2 +1.2	<u>19:05</u>	2.1 +2.3
	3.1 +1.3	2+00	2.2 +2.2
(4.4)	3.0 +1.4	(4.4)	2.0 +2.4
	3.0 +1.4		2.0 +2.4
50	2.9 +1.5		2.0 +2.4
	2.8 +1.6		1.8 +2.6
	3.6 +0.8	50	1.8 +2.6
	4.9 -0.5		1.9 +2.5
	6.0 -1.4		1.9 +2.5
1+00	6.8 -2.4		1.9 +2.5
<u>19:03</u>	7.0 -2.6		1.9 +2.5
	7.4 -3.0	3+00	1.7 +2.7
	7.4 -3.0		1.5 +2.9
	7.0 -2.6		1.5 +2.9
50	6.0 -1.6		1.5 +2.9
	4.7 -0.3		1.4 +3.0
1+70	3.5 +0.9	3+50	1.5 +2.9

20+00 "B" 8-6-17

(25)

DIST SOUND

DIST SOUND

3+60 1.4 +3.0

1.4 +3.0

1.5 +2.9

1.4 +3.0

4+00 1.4 +3.0

(4.4) 1.5 +2.9

1.5 +2.9

1.5 +2.9

1.9 +2.5

50 1.5 +2.9

1.8 +2.6

1.6 +2.8

1.5 +2.9

1.8 +2.6

5+00 1.8 +2.6

PX

PX

24+00 "B"

8-6-47

0+00=STA-24+00 ON 100' OFFSET LINE: SOUND EAST

DIST	SOUND		DIST	SOUND	
0+00	5.0	-0.7	1+80	3.8	+0.5
<u>14:17</u>	4.8	-0.5		4.0	+0.3
	3.1	+1.2	2+00	3.8	+0.5
(4.3)	2.6	+1.7	(4.3)	3.8	+0.5
	2.2	+2.1		3.9	+0.4
50	2.2	+2.1		3.7	+0.6
	2.2	+2.1		3.6	+0.7
	2.2	+2.1	50	3.7	+0.6
	2.1	+2.2		3.7	+0.6
	2.0	+2.3	<u>14:23</u>	3.5	+0.8
1+00	2.1	+2.2		3.4	+0.9
	2.1	+2.2		3.4	+0.9
	2.0	+2.3	3+00	3.1	+1.2
<u>14:20</u>	2.0	+2.3		3.0	+1.3
	2.3	+2.0		2.8	+1.5
50	2.4	+1.9		3.0	+1.3
	3.3	+1.0		3.0	+1.3
1+70	3.5	+0.8	3+50	2.8	+1.5

PX 24+00 "B" 8-6-47

(26)

DIST SOUND DIST SOUND

3+60	2.9	+1.4		
<u>14:25</u>	2.9	+1.4		
	2.9	+1.4		
	2.9	+1.4		
5+00	2.9	+1.4		
(4.3)	2.9	+1.4		
	2.9	+1.4		
	2.9	+1.4		
	2.9	+1.4		
50	2.9	+1.4		
	2.9	+1.4		
	2.9	+1.4		
	3.0	+1.3		
	3.0	+1.3		
5+00	3.0	+1.3		

PX

25+00 "B"

8-6-47

0+00 = STA 25+00 ON 100' OFFSET LINE: SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	3.0 +1.2	1+80	1.8 +2.4
<u>14:35</u>	2.0 +2.2	<u>14:38</u>	1.9 +2.3
	1.7 +2.5	2+00	1.9 +2.3
(4.2)	1.6 +2.6	(4.2)	1.8 +2.4
	1.6 +2.6		1.6 +2.6
50	1.6 +2.6		1.7 +2.5
	1.6 +2.6		1.7 +2.5
	1.8 +2.4	50	2.0 +2.2
	1.8 +2.4		2.4 +1.8
	1.8 +2.4		2.4 +1.8
1+00	1.8 +2.4	<u>14:40</u>	2.4 +1.8
	1.8 +2.4		2.6 +1.6
	1.8 +2.4	3+00	2.2 +2.0
	1.7 +2.5		2.4 +1.6
	1.8 +2.4		2.4 +1.8
50	1.8 +2.4		2.5 +1.9
	1.8 +2.4		2.6 +1.6
1+70	1.8 +2.4	3+50	2.6 +1.6

PX
SOUND

25+00 "B"

8-6-47

(27)

DIST

DIST SOUND

DIST	SOUND	DIST	SOUND
3+60	2.5 +1.7		
	2.4 +1.8		
	2.5 +1.7		
	2.5 +1.7		
4+00	2.5 +1.7		
(4.2)	2.5 +1.7		
	2.5 +1.7		
	2.3 +1.9		
	2.4 +1.8		
50	2.5 +1.7		
	2.5 +1.9		
	2.5 +1.9		
	2.7 +1.5		
	2.7 +1.5		
5+00	2.7 +1.5		

14:45

PX

26+00 "B"

8-6-47

0+00 = STA-26+00 ON 100' OFFSET LINE: SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	2.0 +2.0	1+80	1.4 +2.6
<u>14:50</u>	1.8 +2.2	<u>14:55</u>	1.4 +2.6
	1.7 +2.3	2+00	1.5 +2.6
(4.0)	1.7 +2.3	(4.0)	1.7 +2.3
	1.6 +2.4		1.6 +2.4
50	1.6 +2.4		1.5 +2.5
	1.6 +2.4		1.9 +2.1
	1.4 +2.6	50	2.0 +2.0
	1.3 +2.7		2.0 +2.0
	1.2 +2.8		2.2 +1.8
1+00	1.2 +2.8		2.3 +1.7
	1.3 +2.7		2.4 +1.6
<u>14:53</u>	1.2 +2.8	3+00	2.5 +1.5
	1.2 +2.8		2.5 +1.5
	1.2 +2.8		2.5 +1.5
50	1.3 +2.7		2.6 +1.4
	1.4 +2.6		2.7 +1.3
1+70	2.0 +2.0	3+50	2.7 +1.3

PX

26+00 "B"

8-6-47

DIST SOUND

DIST SOUND

(20)

3+60 2.7 H.3

14:58 2.7 +1.3

2.7 +1.3

2.7 +1.3

4+00 2.8 +1.2

(4.0) 2.8 +1.2

2.8 +1.2

2.8 +1.2

2.9 +1.1

50 2.9 +1.1

2.9 +1.1

2.9 +1.1

2.9 +1.1

2.9 +1.1

5+00 2.9 +1.1

2.5 +1.5

2.5 +1.5

2.6 +1.4

2.7 +1.3

2.7 +1.3

8-7-47

PX

8+00 "B"

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

DIST	SOUND	DIST	SOUND
0+00	8.5 -5.6	1+80	0.9 +2.0
<u>09:49</u>	8.5 -5.6		0.9 +2.0
(2.9)	8.5 -5.6	2+00	1.1 +1.8
	8.5 -5.6	<u>09:53</u>	1.5 +1.4
	8.2 -5.3	(2.9)	2.1 +0.8
50	7.5 -4.6		2.3 +0.6
	7.4 -4.5		2.9 0.0
	7.3 -4.6	50	7.2 -1.3
	7.3 -4.6		7.5 -1.6
	6.3 -3.6		7.8 -1.9
1+00	5.2 -2.3		7.9 -2.0
	7.4 -1.5		7.7 -1.8
	2.7 +0.2	3+00	7.2 -1.3
	1.3 +1.6		7.0 -1.1
	0.7 +2.2	<u>09:55</u>	2.9 0.0
50	0.7 +2.2		2.1 +0.8
	0.5 +2.4		1.2 +1.7
1+70	0.6 +2.3	3+50	1.0 +1.9

8+00 "B"

8-7-47

(29)

DIST	SOUND	DIST	SOUND
3+60	0.9 +2.0		
	0.5 +2.4		
	0.5 +2.4		
(2.9)	0.4 +2.5		
4+00	0.3 +2.6		
<u>10:45</u>	0.9 +2.5		
(3.4)	0.6 +2.8		
	0.5 +2.9		
	0.5 +2.9		
50	0.4 +3.0		
	0.5 +2.9		
	0.5 +2.9		
	0.5 +2.9		
	0.6 +2.8		
5+00	0.7 +2.7		

PX

8-7-47

7+00 "B"

PX

0+00=STA 7+00 ON 100' OFFSET LINE: SOUND EAST

	DIST	SOUND	DIST	SOUND
	0+00	9.0 -5.9	1+80	1.0 +2.1
	<u>10:06</u>	9.0 -5.9		0.7 +2.4
		9.0 -5.9	2+00	0.8 +2.3
	(3.1)	9.1 -6.0	(3.1)	0.9 +2.2
		9.1 -6.0		1.0 +2.1
50	8.7	-5.6		1.2 +1.9
	8.1	-5.0		1.4 +1.7
	7.6	-4.5	50	1.7 +1.4
	7.0	-3.9		2.5 +0.6
	6.3	-3.2		3.0 +0.1
1+00	5.9	-2.8		2.7 +0.7
	5.4	-2.3		3.0 +0.1
	4.9	-1.8	3+00	3.4 -0.1
	4.8	-1.7		4.0 -0.1
	3.7	-0.6		4.4 -1.1
50	3.5	-0.4	<u>10:13</u>	4.5 -1.1
<u>10:10</u>	2.5	+0.6		4.2 -1.1
1+70	1.4	+1.7	3+50	3.8 -0.1

7+00 "B" 8-7-47

(30)

DIST	SOUND	DIST	SOUND
3+60	3.0 +0.1		
	2.3 +0.8		
	1.3 +1.8		
	1.0 +2.1		
4+00	0.9 +2.2		
<u>10:15</u>	0.7 +2.4		
(3.1)	0.7 +2.4		
	0.6 +2.5		
	0.6 +2.5		
50	0.6 +2.5		
	0.6 +2.5		
	0.5 +2.6		
	0.2 +2.9		
	0.0 3.1		
4+00	0.2 +2.9		

PX

PX

9+00 "B"

8-7-47

0+00 = STA - 9+00 On 100' OFFSET LINE: SOUND EMB

DIST	SOUND	DIST	SOUND
0+00	9.8 -6.5	1+80	1.5 +1.8
<u>10:25</u>	9.8 -6.5		1.4 +1.9
	9.6 -6.3	2+00	2.8 +0.5
(3.3)	9.6 -6.3	(3.3)	3.4 -0.1
	9.6 -6.3	<u>10:30</u>	4.5 -1.2
50	9.0 -5.7		4.2 -0.9
	8.8 -5.5		4.1 -0.8
	8.3 -5.0	50	5.0 -1.9
	7.4 -4.1		5.3 -2.0
	7.1 -4.8		5.4 -2.1
1+00	4.7 -1.4		4.0 -0.7
<u>10:28</u>	2.7 +0.6		3.4 -0.1
	1.4 +1.9	3+00	2.9 +0.9
	1.0 +2.3		2.0 +1.3
	0.9 +2.4		1.0 +2.3
50	1.0 +2.3		0.9 +2.4
	1.0 +2.3		0.5 +2.8
1+70	1.1 +2.2	3+50	0.3 +3.0

DIST SOUND

9+00 "B"

8-7-47

DIST SOUND

(37)

DIST	SOUND
3+60	0.3 +3.0
	0.2 +3.1
	0.4 +2.9
	0.5 +2.8
4+00	0.5 +2.8
(3.7)	0.4 +2.9
<u>10:35</u>	0.5 +2.8
	0.5 +2.8
	0.5 +2.8
50	0.5 +2.8
	0.5 +2.8
	0.5 +2.8
	0.5 +2.8
	0.5 +2.8
	0.5 +2.8
	0.5 +2.8
5+00	0.5 +2.8

PX

Px

27+00 "B"

8-7-17

0+00 = STA. 27+00 ON 100' OFFSET LINE: SOUND EAST

DIST	SOUND	DIST	SOUND
0+00	1.9 +1.9	1+80	2.0 +1.8
<u>1:12</u>	1.9 +1.9		2.0 +1.8
	1.9 +1.9	2+00	2.1 +1.9
(3.8)	1.8 +2.0	(3.8)	2.0 +1.8
	1.9 +1.9		2.3 +1.5
50	1.9 +1.9		2.2 +1.6
	2.0 +1.8	<u>1:12</u>	2.2 +1.6
	2.0 +1.8	50	2.2 +1.6
	1.7 +2.1		2.3 +1.5
	1.9 +1.9		2.2 +1.6
1+00	1.8 +2.0		2.3 +1.5
	1.8 +2.0		2.4 +1.4
	1.7 +2.1	3+00	2.4 +1.4
	2.0 +1.8		2.4 +1.4
	2.0 +1.8		2.3 +1.5
50	2.0 +1.8		2.3 +1.5
	2.0 +1.8		2.3 +1.5
1+70	2.0 +1.8	3+50	2.3 +1.5

Px
DIST SOUND

27+00 "B"

8-7-17

(32)

DIST SOUND

DIST	SOUND
3+60	2.4 +1.4
	2.4 +1.4
	2.4 +1.4
	2.5 +1.3
4+00	2.5 +1.3
(3.8)	2.5 +1.3
	2.5 +1.3
	2.6 +1.2
	2.7 +1.1
50	2.7 +1.1
	2.7 +1.1
	2.7 +1.1
	2.7 +1.1
	2.7 +1.1
	2.7 +1.1
	2.8 +1.0
5+00	2.8 +1.0

PX

30+54.56 "B"

8-7-49

DIST

SOUND

3+40

3.6

+0.5

11:38

50

3.1

+1.0

0+00 = STA-30+54.56 ON 100' OFFSET LINE: SOUND EAST

DIST

SOUND

DIST

SOUND

0+00

2.4

+1.7

1+70

2.5

+1.6

11:33

2.3

+1.8

11:35

2.5

+1.6

(4.1)

2.3

+1.8

(4.1)

2.4

+1.9

(4.1)

2.3

+1.8

2+00

2.5

+1.6

4+00

3.2

+0.9

2.3

+1.8

2.5

+1.6

3.3

+0.8

50

2.3

+1.8

2.6

+1.5

3.4

+0.7

2.3

+1.8

2.7

+1.4

3.4

+0.7

2.4

+1.7

2.7

+1.4

3.4

+0.7

2.4

+1.7

50

2.7

+1.4

50

3.4

+0.7

2.4

+1.7

2.7

+1.4

3.3

+0.8

1+00

2.5

+1.6

2.8

+1.3

3.5

+0.6

2.5

+1.6

2.9

+1.2

3.4

+0.7

2.5

+1.6

2.9

+1.2

3.4

+0.7

2.5

+1.6

3+00

2.9

+1.2

5+00

3.4

+0.7

2.4

+1.7

3.0

+1.1

11:40

50

2.4

+1.7

3.3

+0.8

1+60

2.4

+1.7

3+30

3.9

+0.2

PX

"B"

30+54.56

8-7-49

DIST

SOUND

3+40

3.6

+0.5

11:38

50

3.1

+1.0

(33)

3.1

+1.0

3.1

+1.0

3.1

+1.0

3.1

+1.0

3.2

+0.9

3.3

+0.8

3.4

+0.7

3.4

+0.7

3.4

+0.7

3.4

+0.7

3.3

+0.8

3.5

+0.6

3.4

+0.7

3.4

+0.7

3.4

+0.7

PX STA-31+29.32 "B" 8-7-77 PX (33)

SECTION TAKEN FROM STA-32+53.91 ON 100' DIST SOUND DIST SOUND

DIST			SOUND			DIST			SOUND		
0+00			3.1 +1.5			3+40			3.9 +0.7		
13:00			3.1 +1.5			50			4.0 +0.6		
(4.6)			3.1 +1.5			13:05			4.0 +0.6		
3.1 +1.5			2+00			3.3 +1.3			4.0 +0.6		
3.1 +1.5			3.4 +1.2			4+00			(4.7) 4.2 +0.5		
50 3.1 +1.5			3.4 +1.2			5.0			4.1 +0.4		
3.2 +1.4			3.4 +1.2			6+00			4.2 +0.5		
3.1 +1.5			3.4 +1.2			4.0 +0.6			4.0 +0.7		
3.1 +1.5			50 3.4 +1.2			4.0 +0.6			4.0 +0.7		
3.1 +1.5			3.5 +1.1			(4.6) 4.0 +0.6			4.1 +0.6		
1+00 3.2 +1.4			3.5 +1.1			50 4.0 +0.7			50 4.2 +0.5		
3.2 +1.4			3.7 +0.9			(4.7) 4.1 +0.6					
3.2 +1.4			3.7 +0.9			4.1 +0.6					
3.2 +1.4			3.7 +0.9			4.0 +0.7					
3.3 +1.3			3+00 3.7 +0.9			5+00 4.1 +0.6					
50 3.3 +1.3			3.7 +0.9			4.0 +0.7					
1+60 3.3 +1.3			3.8 +0.8			4.0 +0.7					
			3+30 3.8 +0.8			5+30 4.0 +0.7					

0+00 = P.I. OF 100' OFFSET LINE OF SECTION "B" AND SECTION "C"

ORIGINAL
SOUNDINGS OF CHANNEL

8-8-47
BARRALL
SENEY
STANLEY

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8-8-47

(35)

SECTION "A"

SECTION TAKEN AT 84° 48' 16" TO SECT. "A" 3/4 AT STA-24+12.27
AND THROUGH STA-24+08.35 ON 3/4 = { END OF CUT
CHANNEL SECTION "A" }

NOTE - SECTIONS UNLESS OTHERWISE INDICATED ARE AT 90° TO OFFSET LINE +00 = 27100.71' EAST OF PR "B" ALONG SECT "A" OFFSET LINE; SOUND SOUTH

DIST	SOUND	DIST	SOUND
0+00	2.9	0.0	1+70 6.4 -3.5
08:44	3.3	-0.4	(2.9) 6.1 -3.2
(7.9)	4.0	-1.1	6.7 -3.8
	3.8	-0.9	2+00 7.0 -4.1
	3.5	-0.6	7.0 -4.1
50	4.2	-1.3	7.4 -4.5
	4.2	-1.3	7.8 -4.9
	4.8	-1.9	8.0 -5.1
	4.8	-1.9	50 8.3 -5.4
	4.6	-1.7	8.8 -5.9
1+00	4.8	-1.9	9.5 -6.6
	5.4	-2.5	10.2 -7.3
09:50	5.4	-2.5	09:55 10.5 -7.6
	5.3	-2.4	3+00 11.3 -8.4
	5.7	-2.8	12.0 -9.1
50	5.9	-3.0	12.3 -9.4
+60	6.0	-3.1	3+30 12.8 -9.9

END OF CUT SECTION "A" 8-8-47

DIST	SOUND		DIST	SOUND
3+40	12.7	-9.8	PX	
50	12.4	-9.5		
	14.8	-11.9		
(2.9)	13.4	-10.5		
(3.0)	13.2	-10.2		
	12.3	-9.3		
4+00	12.1	-9.1		
	10.0	-7.0		
10:00	10.3	-7.3		
	11.0	-8.0		
	7.2	-4.2		
50	5.8	-2.8		
	5.7	-2.7		
	4.8	-1.8		
	4.1	-1.1		
	3.3	-0.3		
5+00	2.7	+0.3		

PX

23+00 "A"

8-7-47

0+00 = STA - 23+00 ON 100' OFFSET LINE

DIST	SOUND	DIST	SOUND
0+00	3.0	1+80	3.0
<u>14:27</u>	3.0		2.9
	3.0	2+00	2.9
(4.6)	3.0	(4.6)	2.9
	3.0		2.9
50	3.0		2.9
	3.0		3.0
	2.9	50	3.0
	2.8		3.1
	2.8		3.5
1+00	2.8		4.3
<u>14:30</u>	2.9		4.1
	2.9	3+00	4.0
	2.9		4.3
	2.9		4.2
50	2.9	<u>14:35</u>	4.2
	2.9		4.2
1+70	2.9	3+50	4.3

DIST SOUND

23+00 "A"

8-7-47

3+60 4:3

4.3 +0.3

6.0 -1.4

6.0 -1.4

4+00 5.8 -1.2

(4.6) 6.4 -1.8

6.7 -1.9

7.1 -2.5

7.0 -2.4

50 8.5 -3.9

11.0 -6.4

13.0 -8.4

13.2 -8.6

14.1 -9.5

5+00 14.0 -9.4

14.7 -10.1

14.7 -10.1

14.7 -10.1

15.0 -10.4

5+50 15.1 -10.5

DIST SOUND

5+60 15.0

14.8 -10.2

14.4 -9.8

14.0 -9.4

6+00 14.0 -9.4

(4.6) 13.5 -8.9

13.5 -8.9

13.0 -9.4

12.7 -8.1

50 12.5 -7.9

12.0 -7.4

12.0 -7.4

11.1 -6.5

10.8 -6.2

7+00 11.0 -6.4

PX (32)

-10.4

-10.2

-9.8

-9.4

-9.4

-8.9

-8.9

-9.4

-8.1

-7.9

-7.4

-7.4

-6.5

-6.2

-6.4

19+00 "A"

8-7-17

17+00

"A"

8-7-17

DIST SOUND

DIST SOUND

0+00=STA-17+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST SOUND DIST SOUND

0+00 2.9 +1.5 1+80 6.8 -2.1

15:00 2.9 +1.5 7.2 -2.1

2.9 +1.5 2+00 8.0 -3.1

(4.4) 2.9 +1.5 (4.4) 8.4 -4.0

2.9 +1.5 8.4 -4.0

50 2.9 +1.5 8.2 -3.1

2.9 +1.5 8.5 -4.1

2.9 +1.5 50 9.0 -4.6

2.9 +1.5 9.0 -4.6

2.9 +1.5 9.0 -4.6

1+00 2.9 +1.5 8.8 -4.6

3.0 +1.4 15:05 8.8 -4.6

3.0 +1.4 3+00 9.3 -4.9

3.1 +1.5 9.0 -4.6

3.5 +0.9 8.8 -4.6

50 5.0 -0.6 8.8 -4.6

5.0 -0.6 8.8 -4.6

1+70 6.2 -0.8 50 8.8 -4.4

3+60 8.7 -4.3

8.0 -3.6

7.0 -2.6

6.7 -2.3

4+00 6.8 -2.4

(4.4) 6.5 -2.1

5.3 -0.9

4.2 -0.2

15:08 4.0 +0.4

50 4.0 +0.4

3.9 +0.5

3.7 +0.7

3.5 +0.9

3.3 +1.1

5+00 3.3 +1.1

DX

12+00 "A"

8-7-47

0700 = 571-12+00. ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND	DIST	SOUND
0700	3.5 +0.7	1780	3.5 +0.7
<u>15:16</u>	3.5 +0.7		3.5 +0.7
	3.4 +0.8	2+00	3.4 +0.8
(4.2)	3.4 +0.8	(4.2)	3.4 +0.8
	3.4 +0.8		3.4 +0.8
50	3.5 +0.7		3.4 +0.8
	3.5 +0.7		3.3 +0.9
	3.6 +0.6	50	3.3 +0.9
	3.5 +0.7		3.3 +0.9
	3.5 +0.7		3.3 +0.9
1+00	3.6 +0.6		3.2 +1.0
	3.8 +0.4		3.2 +1.0
	3.8 +0.4	3+00	3.2 +1.0
	3.6 +0.6		3.2 +1.0
	3.5 +0.7		3.1 +1.1
50	3.5 +0.7	15:20	3.1 +1.1
15:18	3.6 +0.6		3.0 +1.2
1+72	3.6 +0.6	3+50	3.0 +1.2

12+00 "A"

8-7-47

(39)

DIST	SOUND	DIST	SOUND
3760	3.0 +1.2		
	3.0 +1.2		
	2.9 +1.3		
	2.9 +1.3		
4+00	2.9 +1.3		
(4.2)	2.9 +1.3		
	2.9 +1.3		
	2.9 +1.3		
50	2.9 +1.3		
	2.9 +1.3		
50	2.9 +1.3		
	2.9 +1.3		
	2.9 +1.3		
	3.0 +1.2		
	3.0 +1.2		
5+00	3.0 +1.2		
<u>13:23</u>			

DX

8-8-47

PX

22+00 "A"

0+00 = STA-22+00 ON 100' OFFSET LINE: SOUND DIST

DIST	SOUND	DIST	SOUND
0+00	1.8	+1.4	1+80
<u>10:16</u>	1.7	+1.5	2.2
	1.6	+1.6	2+00
<u>3.2</u>	1.5	+1.7	<u>3.2</u>
	1.5	+1.7	2.3
50	1.5	+1.7	2.1
	1.5	+1.7	2.0
	1.4	+1.8	50
	1.4	+1.8	1.0
	1.4	+1.8	<u>10:23</u>
1+00	1.4	+1.8	0.6
	1.5	+1.7	0.5
	1.5	+1.7	3+00
<u>10:20</u>	1.6	+1.6	<u>10:55</u>
	1.6	+1.6	<u>3.5</u>
50	1.4	+1.8	0.7
	1.6	+1.6	0.7
1+20	1.7	+1.5	3+50

22+00 "A" 8-8-47

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DIST	SOUND	DIST	SOUND
3+60	0.7	+2.8	
	0.6	+2.9	
<u>3.5</u>	0.6	+2.9	
	0.6	+2.9	
4+00	0.6	+2.9	
	0.6	+2.9	
	0.6	+2.9	
	0.6	+2.9	
	0.6	+2.9	
	0.6	+2.9	
	0.7	+2.8	
	0.7	+2.8	
	0.7	+2.8	
	0.7	+2.8	
5+00	0.7	+2.8	
<u>11:00</u>			

PX

PX

21+00 "A"

8-8-47

21+00 "A"

8-8-47

(2)

0+00 = STA - 21+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST SOUND

DIST SOUND

DIST SOUND DIST SOUND

0+00 2.0 +1.7 1+80 2.2 +1.5

11:06 2.0 +1.7 2.1 +1.6

(3.7) 1.9 +1.8 2+00 1.8 +1.9

1.9 +1.8 (3.7) 1.7 +2.0

1.9 +1.8 1.7 +2.0

50 2.3 +1.4 11:15 1.6 +2.111:10 2.2 +1.5 1.5 +2.2

2.1 +1.6 50 1.4 +2.2

2.2 +1.5 1.2 +2.5

2.0 +1.7 1.2 +2.5

1+00 2.1 +1.6 1.1 +2.6

2.2 +1.5 11:18 1.2 +2.5

2.4 +1.3 3+00 1.1 +2.6

2.4 +1.3 1.1 +2.6

11:13 2.4 +1.3 (3.7) 1.1 +2.6

50 2.4 +1.3 (3.8) 1.1 +2.7

2.4 +1.3 1.1 +2.7

1+90 2.3 +1.4 3+50 1.1 +2.7

3+60 1.0 +2.8

11:20 1.0 +2.8

1.0 +2.8

(3.8) 1.0 +2.8

4+00 1.0 +2.8

1.0 +2.8

1.0 +2.8

1.0 +2.8

1.0 +2.8

11:25 1.0 +2.8

50 1.0 +2.8

1.0 +2.8

1.0 +2.8

1.0 +2.8

1.0 +2.8

5-00 1.0 +2.8

11:35 1.0 +2.8

1.0 +2.8

1.0 +2.8

1.0 +2.8

1.0 +2.8

1.0 +2.8

1.0 +2.8

PX

(3)

PX

20+00 "A"

8-8-47

20+00 "A"

8-8-47

(42)

0+00 = STA-20+00 ON 100' OFFSET LINE: SOUND SOUND

DIST SOUND

DIST SOUND

PX

DIST SOUND DIST SOUND

0+00 2.4 +2.2 1+80 2.9 +1.7

12:35 2.2 +2.4 1+90 2.9 +1.7

(4.6) 2.3 +2.3 2+00 2.8 +1.8

2.3 +2.3 (4.6) 3.0 +1.6

2.4 +2.2 2.5 +2.1

50 2.4 +2.2 12:40 2.4 +2.212:38 2.3 +2.3 2.4 +2.2

2.3 +2.3 50 2.4 +2.2

2.3 +2.3 2.4 +2.2

2.3 +2.3 2.4 +2.2

1+00 2.3 +2.3 2.4 +2.2

2.3 +2.3 2.3 +2.3

2.3 +2.3 3+00 2.3 +2.3

2.4 +2.2 2.3 +2.3

2.3 +2.3 2.3 +2.3

50 2.8 +1.8 2.3 +2.3

2.8 +1.8 2.3 +2.3

1+70 3.0 +1.6 3+50 2.3 +2.3

3+00 2.1 +2.5

2.1 +2.5

(4.6) 2.2 +2.4

2.1 +2.5

4+00 2.1 +2.5

2.1 +2.5

2.0 +2.6

2.0 +2.6

2.0 +2.6

50 2.0 +2.6

2.0 +2.6

2.0 +2.6

2.0 +2.6

2.0 +2.6

5+00 2.0 +2.6

12:43

8-8-47

PX

19+00 "A"

0+00=STA-19+00 ON 100' OFF SETLINE: SOUND SOUND

DIST	SOUND	DIST	SOUND
0+00	4.2	+0.5	1+80 3.1 +1.6
<u>12:47</u>	4.2	+0.5	(4.7) 3.1 +1.6
(4.7)	4.1	+0.6	2+00 3.0 +1.7
	4.1	+0.6	<u>12:50</u> 3.0 +1.7
	4.0	+0.7	3.1 +1.6
50	3.9	+0.8	3.2 3.2 +1.5
	3.8	+0.9	3.3 +1.4
	3.8	+0.9	50 3.4 +1.3
	3.5	+1.2	3.4 +1.3
	3.5	+1.2	3.4 +1.3
1+00	3.2	+1.5	3.3 +1.4
	3.3	+1.4	3.2 +1.5
	3.2	+1.5	3+00 3.0 +1.7
	3.2	+1.5	3.1 +1.6
	3.0	+1.7	3.3 +1.4
50	3.0	+1.7	3.3 +1.4
	3.0	+1.7	3.4 +1.3
1+70	3.0	+1.7	3+50 3.4 +1.3

8-8-47

19+00 "A"

DIST SOUND

DIST SOUND

DIST	SOUND	DIST	SOUND
3+60	3.4	+1.3	PX
	3.3	+1.4	
(4.7)	3.3	+1.4	
	3.8	+0.9	
4+00	4.0	+0.7	
	4.0	+0.7	
	4.6	+0.1	
	5.2	-0.5	
	5.5	-0.8	
50	6.0	-1.3	
	5.6	-0.9	
	5.8	-1.1	
	5.5	-0.8	
	5.6	-0.9	
5+00	5.5	-0.8	
<u>12:52</u>			

(43)

PX 18+00 "A" 8-8-71

0+00 = STA-18+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND	DIST	SOUND
		1+80	3.1 +1.6
			3.1 +1.6
		2+00	3.2 +1.5
(4.7)	3.0 +1.7	(4.7)	3.3 +1.4
	3.0 +1.7		3.3 +1.4
50	3.0 +1.7		3.2 +1.5
	3.0 +1.7		3.2 +1.5
	3.0 +1.7	50	3.3 +1.4
	3.0 +1.7		3.4 +1.3
	3.1 +1.6		3.7 +1.0
	2.1		
1+00	3.2		4.4 +0.3
	2.2		4.4 +0.3
	3.2 +1.5		4.4 +0.3
	2.2		4.4 +0.3
	3.2 +1.5	3+00	4.8 -0.1
	3.2 +1.5	<u>13:03</u>	5.9 -1.2
	3.3 +1.4		5.9 -1.2
50	3.3 +1.4		5.7 -1.0
	3.3 +1.4		4.8 -0.1
1+70	3.1 +1.6	3+50	5.2 -0.5

18+00 "A" 8-8-71 (9A)

DIST SOUND

DIST	SOUND
	5.8 -1.1
	5.8 -1.1
	6.4 -1.7
	6.7 -2.0
4+00	7.0 -2.3
(4.7)	7.0 -2.3
	6.4 -1.7
	6.6 -1.9
	7.1 -2.4
50	7.5 -2.8
	7.8 -3.1
	8.0 -3.3
	8.0 -3.3
	8.0 -3.3
5+00	8.0 -3.3
	<u>13:06</u>

PX

8-8-47

PX

16+0.0 "A"

0+00 = STA-16+00 ON 100' OFFSET LINE: SOUND

DIST	SOUND	DIST	SOUND
0+00	8.8 -4.0	1+80	7.5 -2.7
<u>13:12</u>	9.0 -4.2		7.3 -2.5
	9.0 -4.2	2+00	7.0 -2.2
(4.8)	9.0 -4.2	(4.8)	6.6 -1.8
	9.0 -4.2		6.1 -1.5
50	9.0 -4.2		5.4 -0.6
	9.0 -4.2		5.8 -1.0
	9.0 -4.2	50	5.6 -0.8
	8.9 -4.1		5.4 -0.6
	8.8 -4.0		5.1 -0.5
1+00	8.7 -3.9		5.0 -0.2
	8.7 -3.9		5.0 -0.2
	8.7 -3.9	3+00	4.8 0.0
	8.6 -3.8		4.5 +0.3
	8.2 -3.4		4.1 +0.7
50	8.1 -3.3		3.8 +1.0
	8.0 -3.2		3.7 +1.1
1+70	7.8 -3.0	3+50	3.7 +1.1

16+00 "A"

8-8-47

DIST SOUND

DIST SOUND

3+60	3.6 +1.2
	3.6 +1.2
	3.8 +1.0
	3.7 +1.1
4+00	3.8 +1.0
(4.8)	3.7 +1.1
	3.7 +1.1
	3.6 +1.2
	3.7 +1.1
50	3.8 +1.0
	3.7 +1.1
	3.6 +1.2
	3.5 +1.3
5+00	3.7 +1.1

PX

(95)

8-8-47

PX

15+00 "A"

0+00 = STA-15+00 ON 100' OFFSET LINE: SOUND SOUND

DIST	SOUND		DIST	SOUND	
0+00	5.8	-0.9	1+80	3.7	+1.2
<u>13:23</u>	5.5	-0.6		4.0	+0.9
	5.4	-0.5	2+00	4.0	+0.9
(4.9)	5.3	-0.4	(4.9)	3.9	+1.0
	5.3	-0.4		3.8	+1.1
50	5.3	-0.4		3.7	+1.2
	5.1	-0.2		3.8	+1.1
	5.4	-0.5	50	3.8	+1.1
	5.6	-0.7		3.8	+1.1
	5.1	-0.2		3.9	+1.0
1+00	5.0	-0.9		3.9	+1.0
<u>13:25</u>	4.9	0.0		3.8	+1.2
	4.5	+0.4	3+00	3.8	+1.1
	4.0	+0.9		3.8	+1.1
	4.0	+0.9	<u>13:28</u>	3.8	+1.1
50	4.0	+0.9		3.8	+1.1
	3.9	+1.0		3.8	+1.1
1+70	3.8	+1.1	3+50	3.8	+1.1

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(46)

15+00 "A"

PX

DIST SOUND

DIST	SOUND		DIST	SOUND	
			3+00	3.8	+1.1
				3.8	+1.1
				3.8	+1.1
				3.8	+1.1
			4+00	3.7	+1.2
			(4.9)	3.7	+1.2
				3.7	+1.2
				3.7	+1.2
				3.7	+1.2
			50	3.7	+1.2
				3.7	+1.2
				3.8	+1.1
			5+00	3.8	+1.1
			<u>13:30</u>		

PX

14+00 "A"

8-8-47

0+00-57A-14+00 ON 100' OFFSET LINE: SOUND SOUND

DIST	SOUND		DIST	SOUND	
0+00	4.0	+1.0	1+80	3.7	+1.3
<u>13:35</u>	4.0	+1.0		3.7	+1.3
	4.0	+1.0	2+00	3.8	+1.2
(5.0)	4.0	+1.0	(5.0)	3.7	+1.3
	4.0	+1.0		3.7	+1.3
50	4.0	+1.0		3.7	+1.3
	4.0	+1.0		3.6	+1.4
	4.0	+1.0	50	3.6	+1.4
	4.0	+1.0		3.7	+1.3
	3.9	+1.1		3.7	+1.3
1+00	3.9	+1.1		3.7	+1.3
	3.9	+1.1	<u>13:38</u>	3.7	+1.3
	3.9	+1.1	3+00	3.7	+1.3
	3.9	+1.1		3.8	+1.2
	3.8	+1.2		3.7	+1.3
50	3.7	+1.3		3.7	+1.3
	3.7	+1.3		3.8	+1.2
1+20	3.7	+1.3	3+50	3.8	+1.2

14+00 "A" 8-8-47

(47)

DIST SOUND

DIST SOUND

3+00	3.8	+1.2
	3.8	+1.2
	3.8	+1.2
4+00	3.8	+1.2
(5.0)	3.9	+1.1
	3.9	+1.1
	3.9	+1.1
	3.9	+1.1
50	4.0	+1.0
	4.0	+1.0
	4.0	+1.0
	4.0	+1.0
	4.0	+1.0
5+00	4.0	+1.0
<u>13:40</u>		

PX

PX

13+00 "A"

8-8-47

13+00 "A" 8-8-47

(48)

0+00 = STA-13+00 ON 100' OFFSET LINE: SOUND SOUND

DIST SOUND

DIST SOUND

PX

DIST SOUND DIST SOUND

0+00 4.0 +1.0 1+80 4.0 +1.0

13:45 4.0 +1.0 13:48 4.0 +1.0

4.0 +1.0 2+00 4.0 +1.0

(5.0) 4.1 +0.9 (5.0) 4.0 +1.0

4.4 +0.6 4.0 +1.0

50 4.4 +0.6 4.0 +1.0

4.4 +0.6 3.8 +1.2

4.4 +0.6 50 3.8 +1.2

4.4 +0.6 3.8 +1.2

4.4 +0.6 3.8 +1.2

1+00 4.4 +0.6 3.9 +1.1

4.4 +0.6 3.9 +1.1

4.3 +0.7 3+00 3.8 +1.2

4.3 +0.7 3.8 +1.2

4.2 +0.8 3.8 +1.2

50 4.2 +0.8 3.7 +1.3

4.1 +0.9 3.7 +1.3

1+70 4.0 +1.0 3+50 3.7 +1.3

3+60

3.7 +1.3

3.8 +1.2

3.8 +1.2

3.8 +1.2

4+00

3.8 +1.2

(5.0)

3.9 +1.1

3.9 +1.1

3.9 +1.1

4+50

4.0 +1.0

50

4.0 +1.0

4.2 +1.0

4.0 +1.0

4.1 +0.9

4.2 +0.8

5+00

4.3 +0.7

8-8-47

PX

11+00 "A"

0+00 = STA-11+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST SOUND DIST SOUND

0+00 4.3 +0.7 1+80 4.4 +0.6

14:45 4.4 +0.6 4.3 +0.7

4.4 +0.6 2+00 4.4 +0.6

4.4 +0.6 14:48 4.3 +0.7

(5.0) 4.3 +0.7 (5.0) 4.3 +0.7

50 4.4 +0.6 4.3 +0.7

4.3 +0.7 4.3 +0.7

4.3 +0.7 50 4.2 +0.8

4.2 +0.8 4.2 +0.8

4.1 +0.9 4.2 +0.8

1+00 4.1 +0.9 4.1 +0.7

4.1 +0.9 4.0 +1.0

4.1 +0.9 3+00 4.0 +1.0

4.3 +0.7 4.0 +1.0

4.3 +0.7 4.0 +1.0

50 4.3 +0.7 4.0 +1.0

4.3 +0.7 3.9 +1.1

1+70 4.3 +0.7 3+50 3.8 +1.2

11+00 "A"

8-8-47

(49)

DIST SOUND

DIST SOUND

3+60 3.8 +1.2

14:50 3.7 +1.3

3.7 +1.3

3.7 +1.3

2+00 3.6 +1.4

3.5 +1.5

(5.0) 3.4 +1.6

3.5 +1.5

3.4 +1.6

50 3.4 +1.6

3.3 +1.7

3.2 +1.8

3.2 +1.8

3.2 +1.8

3+00 3.2 +1.8

4.0 +1.0

4.0 +1.0

4.0 +1.0

3.9 +1.1

3.8 +1.2

PX

8-8-47

PX

10+00 'A'

0+00=STA-10+00 ON 100' OFFSET LINE: SOUND SOUND

DIST	SOUND		DIST	SOUND	
0+00	4.8	+0.1	1+80	4.4	+0.5
<u>14:58</u>	4.8	+0.1		4.2	+0.7
	4.8	+0.1	2+00	4.2	+0.7
(4.9)	4.8	+0.1	(4.9)	4.2	+0.7
	4.9	0.0		4.2	+0.7
50	4.9	0.0		4.1	+0.7
	4.8	+0.1		4.0	+0.7
	4.7	+0.2	50	4.0	+0.7
	4.7	+0.2		4.0	+0.7
	4.6	+0.3		4.0	+0.7
1+00	4.5	+0.4		4.0	+0.7
	4.5	+0.4		4.0	+0.7
	4.4	+0.5	3+00	4.0	+0.7
<u>15:00</u>	4.4	+0.5		4.0	+0.7
	4.4	+0.5		4.0	+0.7
50	4.2	+0.7		3.9	+0.7
	4.2	+0.7		3.9	+0.7
1+20	4.5	+0.4	3+50	3.9	+0.7

10+00 "A" 8-8-47

DIST	SOUND		DIST	SOUND	
2+60	3.8	+1.1			
	3.8	+1.1			
	3.7	+1.2			
<u>15:05</u>	3.5	+1.4			
4+00	3.5	+1.4			
(4.9)	3.4	+1.5			
	3.4	+1.5			
	3.4	+1.5			
	3.6	+1.3			
50	3.4	+1.5			
	3.4	+1.5			
	3.0	+1.9			
	3.1	+1.8			
	3.1	+1.8			
5+00	3.0	+1.9			

PX

(50)

PX

9+00 "A"

8-8

9+00

"A"

8-8-97

(51)

0+00=STA. 9+00 ON 100' OFFSET LINE: SOUND SOUND

DIST SOUND DIST SOUND

0+00 4.6 +0.3 1+80 4.8 +0.1

15.12 4.7 +0.2 4.6 +0.3

4.8 +0.1 2+00 4.5 +0.0

(4.9) 5.0 -0.1 (4.9) 4.4 +0.5

5.1 -0.2 4.4 +0.5

50 5.2 -0.3 4.0 +0.9

5.3 -0.4 4.0 +0.9

5.3 -0.4 50 4.0 +0.9

5.3 -0.4 15.15 3.9 +1.0

5.3 -0.4 3.8 +1.1

1+00 5.3 -0.4 3.8 +1.1

5.0 -0.1 3.8 +1.1

5.0 -0.1 3+00 3.8 +1.1

5.0 -0.1 3.8 +1.1

5.0 -0.1 3.8 +1.1

50 5.0 -0.1 3.9 +1.1

5.0 -0.1 3.8 +1.1

1+70 4.9 00 3+50 3.8 +1.1

DIST SOUND

3+60 3.6 +1.3

3.6 +1.3

3.6 +1.3

3.5 +1.4

3+00 3.5 +1.4

(4.9) 3.5 +1.4

3.4 +1.5

3.4 +1.5

3.4 +1.5

50 3.3 +1.6

3.1 +1.8

3.1 +1.8

3.0 +1.9

3.1 +1.8

3+00 3.1 +1.8

3.1 +1.8

3.1 +1.8

3.1 +1.8

3.1 +1.8

3.1 +1.8

3.1 +1.8

PX

8-11-47

8+00 "A"

PX

07:00 = STA-8+00 ON 100' OFFSET LINE: SOUND SOUTH

	DIST	SOUND		DIST	SOUND
	0+00	2.6	+0.6	1+80	3.6 -0.4
	<u>09:58</u>	2.6	+0.6		3.4 -0.2
		2.7	+0.5	2+00	3.3 -0.1
	(3.2)	2.7	+0.5	(3.2)	3.1 +0.1
		2.8	+0.4		2.9 +0.3
	50	3.0	+0.2		2.8 +0.4
		3.0	+0.2		2.4 +0.8
		3.0	+0.2	50	2.1 +1.1
		3.3	+0.1		2.0 +1.2
		3.2	-0.5		1.9 +1.3
	1+00	3.8	-0.6		1.6 +1.6
		4.0	-0.8		1.6 +1.6
		3.8	-0.6	3+00	1.8 +1.4
		3.9	-0.7		1.8 +1.4
	<u>10:00</u>	3.7	-0.5		1.7 +1.5
	50	3.7	-0.5		1.6 +1.6
		3.7	-0.5		1.6 +1.6
	1+70	3.7	-0.5	3+50	1.6 +1.6

8-11-47

8+00 "A"

8-11-47

(52)

DIST SOUND

DIST SOUND

3+60 1.6 +1.6

1.6 +1.6

1.6 +1.6

2.0 +1.2

4+00 2.0 +1.2

(3.2) 1.7 +1.5

1.6 +1.6

10:05 1.6 +1.6

1.6 +1.6

50 1.6 +1.6

2.4 +0.8

2.4 +0.8

2.4 +0.8

2.4 +0.8

5+00 2.4 +0.8

PX

8-11-47

PX 7+00 "A"

0+00=STA-7+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND	DIST	SOUND
0+00	1.8 +1.4	1+80	3.9 -0.7
<u>10:11</u>	1.9 +1.3		4.0 -0.8
	2.0 +1.2	2+00	4.0 -0.8
(3.2)	2.1 +1.1	(3.2)	4.3 -1.1
	2.0 +1.2		4.0 -0.8
50	2.1 +1.1		3.8 -0.6
	2.1 +1.1		3.4 -0.2
	2.2 +1.0	50	2.9 +0.3
	2.2 +1.0		2.6 +0.6
	2.1 +1.1		2.2 +1.0
1+00	2.5 +0.7		2.0 +1.2
<u>10:13</u>	3.8 -0.6	<u>10:12'</u>	1.9 +1.3
	4.1 -0.9	3+00	1.8 +1.4
	4.0 -0.8		1.8 +1.4
	4.0 -0.8		1.7 +1.5
1+50	4.1 -0.9		1.8 +1.4
	4.0 -0.8		1.6 +1.6
1+70	4.0 -0.8	3+50	1.7 +1.5

8-11-47

7+00 "A" DIST SOUND

(53)

DIST	SOUND
3+60	1.9 +1.3
	2.0 +1.2
	2.2 +1.0
	2.3 +0.9
4+00	2.4 +0.8
(3.2)	2.4 +0.8
	2.8 +0.4
	3.0 +0.2
	3.1 +0.1
50	3.2 0
	3.4 -0.1
	3.6 -0.4
	4.5 -1.3
<u>10:21</u>	5.5 -2.3
5+00	5.5 -2.3

DIST SOUND

PX

8-11-47

PX

6+00 "A"

DIST SOUND

6+00 "A"

8-11-47

(57)

DIST SOUND

PX

0+00=STA-6+00 ON 100' OFFSET LINE: SOUND SOUTH

3760 3.8 -0.6

DIST SOUND DIST SOUND

4.0 -0.8

0+00 1.3 +1.9 1+80 3.9 -0.5

4.2 -1.0

10:27 1.7 +1.5 4.0 -0.8

4.7 -1.5

2.0 +1.2 2+00 4.0 -0.8

4+00 5.5 -2.3

(3.2) 2.0 +1.2 (3.2) 4.0 -0.8

(3.2) 6.5 -3.3

2.1 +1.1 3.9 -0.7

6.8 -3.6

50 2.5 +0.7 3.7 -0.5

7.2 -4.0

2.4 +0.8 3.6 -0.4

7.5 -4.3

2.4 +0.8 50 3.4 -0.2

50 7.5 -4.3

2.6 +0.6 3.2 0

7.4 -4.2

3.0 +0.2 3.1 +0.1

10:25 7.0 -3.8

1+00 3.1 +0.1 3.0 +0.2

6.6 -3.4

3.2 0 3.0 +0.2

6.0 -2.8

3.4 -0.2 3+00 2.9 +0.3

5+00 5.0 -1.8

3.4 -0.2 10:33 3.0 +0.2

3.3 -0.1 3.2 0.0

50 3.5 -0.3 3.8 -0.6

10:30 3.4 -0.2 3.9 -0.7

1+70 3.4 -0.2 3+50 3.7 -0.5

PX

5+00 "A"

8-11-47

0+00 = STA-5+00 ON 100' OFFSET LINE: SOUND SOUTH:

DIST	SOUND		DIST	SOUND	
0+00	2.0	+1.2	1+80	4.4	-1.2
<u>10:42</u>	2.5	+0.7		4.3	-1.1
	3.0	+0.2	2+00	4.3	-1.1
(3.2)	3.1	+0.1	(3.2)	4.3	-1.1
	3.0	+0.2		4.1	-1.9
50	2.8	+0.4		4.0	-0.8
	2.7	+0.5		3.7	-0.5
	2.6	+0.6	50	3.4	-0.2
	2.4	+0.8		3.0	+0.2
	2.4	+0.8		2.8	+0.4
1+00	2.4	+0.8		3.0	+0.2
	2.5	+0.7		3.3	-0.1
	3.0	+0.2	3+00	3.7	-0.5
	3.1	+0.1		4.1	-0.9
<u>10:45</u>	3.1	+0.1		4.6	-1.4
50	3.4	-0.2	<u>10:48</u>	5.0	-1.8
	3.8	-0.6		5.7	-2.5
1+70	4.5	-1.3	3+50	6.0	-2.8

DIST SOUND

5+00 "A"

8-11-47

(55)

DIST SOUND

DIST	SOUND	
3+60	6.1	-2.9
	6.5	-3.3
	6.7	-3.5
	6.0	-2.8
4+00	5.0	-1.8
(3.2)	3.5	-0.3
	3.1	-0.1
	2.9	+0.3
	2.9	+0.3
50	2.8	+0.4
	2.8	+0.4
	2.5	+0.7
	2.5	+0.7
<u>10:50</u>	2.6	+0.6
5+00	2.5	+0.7

PX

PX

4+00

8-11-47

DIST SOUND

4+00 0 'A'

8-11-47

DIST SOUND

(56)

0+00 = STA. 4+00 ON 100' OFFSET LINE: SOUND SOUTH

3+00

2.7

+0.5

DIST

SOUND

DIST

SOUND

2.0

+1.2

PX

0+00

2.8

+0.4

1+00

3.7

-0.5

2.1

+1.1

10:57

2.8

+0.4

3.3

-0.1

2.1

+1.1

2.8

+0.4

2+00

3.5

-0.3

4+00

2.3

+0.9

(3.2)

2.7

+0.5

(3.2)

3.5

-0.3

(3.2)

2.4

+0.8

2.6

+0.6

3.6

-0.4

2.4

+0.8

50

2.5

+0.7

3.5

-0.3

2.4

+0.8

2.5

+0.7

4.0

-0.8

2.3

+0.5

2.5

+0.7

50

3.8

-0.6

50

2.3

+0.5

2.5

+0.7

3.8

-0.6

2.2

+1.0

3.0

+0.2

11:03

3.8

-0.6

2.1

+1.1

1+00

4.4

-1.2

4.1

-0.9

2.1

+1.1

4.5

-1.3

4.2

-1.0

11:05

2.1

+1.1

4.7

-1.5

3+00

4.5

-1.3

5+00

2.1

+1.1

4.4

-1.2

5.1

-1.9

11:06

4.2

-1.0

5.5

-2.3

50

4.1

-0.9

5.8

-2.6

4.1

-0.9

4.7

-1.5

1+70

4.0

-0.8

3+50

3.2

0

PX

3+00 "A"

8-11-47

3+00 "A"

8-11-47

(57)

0+00=STA-3+00 ON 100' OFFSET LINE. SOUND SOUTH

DIST SOUND

DIST SOUND

PX

DIST SOUND

DIST SOUND

0+00 4.0 -0.4 1+80 4.0 -0.4

2.0 +1.6

12:24

4.1 -0.5 4.0 -0.4

12:25

2.0 +1.6

✓ 4.2 -0.6 2+00 4.4 -0.8

4+00 2.0 +1.6

4.6 -1.0 12:30 4.8 -1.2

2.0 +1.6

(3.6) 4.7 -1.1 (3.6) 5.7 -2.1

(3.6)

2.7 +1.5

50 4.8 -1.2 5.2 -1.6

2.2 +1.4

4.8 -1.2 5.5 -1.9

2.0 +1.6

4.6 -1.0 50 5.6 -2.0

50 2.2 +1.4

4.0 -0.4 5.4 -1.8

2.1 +1.5

3.4 +0.2 5.0 -1.4

2.1 +1.5

1+00 3.4 +0.2 4.0 -0.4

2.1 +1.5

3.4 +0.2 3.5 +0.1

2.7 +0.9

3.5 +0.1 3+00 2.7 +0.9

5+00

2.2 +1.4

3.6 0 2.0 +1.6

12:35

3.8 -0.2 2.0 +1.6

50 3.8 -0.2 2.0 +1.6

3.8 -0.2 1.9 +1.7

1+90 3.7 -0.1 3+50 1.9 +1.7

PX

2+00 "A"

8-11-47

DIST SOUND

2+00

"A"

8-11-47

(58)

DIST SOUND

0+00 = STA. 2+00 ON 100' OFFSET LINE; SOUND

3+60 2.0 +1.7

DIST SOUND DIST SOUND

2.1 +1.6

PX

0+00 3.4 +0.3 1+80 6.4 -2.7

2.3 +1.4

12:40 3.3 +0.4 6.2 -2.5

2.2 +1.5

3.3 +0.4 2+00 6.0 -2.3

4+00 2.2 +1.5

(3.7) 3.2 +0.5 (3.7) 6.0 -2.3

(3.7) 2.0 +1.7

3.2 +0.5 5.6 -1.9

2.2 +1.5

50 3.1 +0.6 6.0 -2.3

2.2 +1.5

3.0 +0.9 5.1 -1.4

2.0 +1.7

3.0 +0.9 50 4.4 -0.9

50 2.0 +1.7

3.2 +0.5 12:45 2.5 +1.2

2.0 +1.7

3.4 +0.3 2.1 +1.6

2.0 +1.7

1+00 3.4 +0.3 2.0 +1.7

2.1 +1.6

3.5 +0.2 1.8 +1.9

2.1 +1.6

3.2 +0.5 3+00 1.8 +1.9

5+00 2.1 +1.6

4.0 -0.3 1.8 +1.9

12:50

5.4 -1.7 1.8 +1.9

50 5.9 -2.2 2.0 +1.7

12:43 6.2 -2.5 2.0 +1.7

1+70 6.4 -2.7 3+50 2.0 +1.7

PX

1+00 "A"

8-11-97

DIST SOUND

1+00

"A"
DIST SOUND

8-11-97

(59)

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

3+60 2.0 +1.9

PX

DIST SOUND DIST SOUND

2.1 +1.8

0+00 7.0 -3.1 1+80 6.0 -2.1

2.2 +1.7

12:57 5.5 -1.5 5.5 -1.5

2.0 +1.9

6.8 -2.9 2+00 3.8 +0.1

4+00 2.0 +1.9

(3.9) 5.0 -2.1 (3.9) 3.2 +0.9

11:05 2.2 +1.7

5.0 -1.1 3.2 +0.9

(3.9) 2.0 +1.9

50 6.5 -2.6 3.7 +0.2

2.0 +1.9

8.5 -4.6 2.2 +1.7

2.0 +1.9

5.0 -2.1 50 2.4 +1.5

50 2.0 +1.9

5.8 -1.9 2.1 +1.8

2.2 +1.7

8.2 -4.3 2.0 +1.9

2.1 +1.8

1+00 8.5 -4.6 2.0 +1.9

2.2 +1.7

8.7 -4.8 13:05 2.0 +1.9

2.0 +1.9

8.2 -4.3 3+00 2.2 +1.7

5+00 2.4 +1.5

7.0 -3.1 2.1 +1.8

13:00 7.3 -3.4 2.0 +1.9

50 7.6 -3.7 2.4 +1.5

7.0 -3.1 2.4 +1.5

1+70 5.1 -1.2 3+50 2.3 +1.6

(SECT. "A")

8-14-47

END SECTION OF NORTH SIDE OF CHANNEL

0+00 = STA-2700 ON NORTH SIDE OF CHANNEL: SOUND WEST

DIST	SOUND	
1+00	6.0	-1.8
<u>03:32</u>	7.8	-3.6
(4.2)	8.0	-3.8
	8.4	-4.2
	8.2	-4.0
50	8.0	-3.8
	7.5	-3.3
	11.1	-6.9
	14.5	-10.3
	15.5	-11.3
2+00	15.3	-11.1

PX

(SECT. "A")

8-14-47

END SECTION OF C/A OF CHANNEL (PROFILE)

2700 = STA-2700 C/A OF CHANNEL:

SOUND WEST

DIST	SOUND	
1+00	2.5	+1.7
<u>03:42</u>	2.8	+1.4
	2.8	+1.4
(4.2)	2.9	+1.3
	3.2	+1.0
50	4.0	+0.2
	3.6	+0.6
	4.1	+0.1
	4.8	-0.6
	5.1	-0.9
2+00	5.0	-0.8
	11.0	-6.8
	13.5	-9.3
	16.5	-12.3
	15.6	-11.4
50	13.8	-9.6

PX

Indexed

60

8-14-47

8-14-47

(5)

END SECTION OF SOUTH SIDE OF CHANNEL (SECT. "A")

END SECTION ALONG 100' OFFSET LINE (SECT. "A")

PX

0+00=STA-2+00 ON SOUTH SIDE OF CHANNEL: SOUND WEST

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

DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND
1+00	2.4 +1.8			0+00	7.1 -3.0	1+70	3.2 +0.9
<u>09:55</u>	2.4 +1.8			<u>10:08</u>	6.8 -2.7		3.8 +0.3
(4.2)	2.5 +1.7			(4.1)	5.5 -1.4	(4.1)	4.4 -0.3
	2.5 +1.7				3.4 +0.7	2+00	6.7 -2.6
	2.5 +1.7				3.0 +1.1		9.3 -5.2
50	2.5 +1.7			50	2.8 +1.3		10.7 -6.6
	2.3 +1.9				2.8 +1.3		11.9 -7.2
	2.5 +1.9				2.7 +1.4		13.3 -9.2
	2.5 +1.7				2.8 +1.3	50	14.1 -10.0
	2.5 +1.7				2.8 +1.3		13.8 -9.7
2+00	2.3 +1.9			1+00	2.8 +1.3	<u>10:13</u>	13.5 -9.4
	4.3 -0.1				2.8 +1.3		
	4.1 +0.1			<u>10:10</u>	3.1 +1.0		
	3.0 +1.2				3.5 +0.6	3+00	
35	0.0 +4.2				2.8 +1.3		
				50	2.8 +1.3		
				1+00	3.1 +1.0		

Indexed

PX

"C" 8-11-47
32+04.08 9/4

0+00 = 32+04.08 ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND	DIST	SOUND
0+00	3.4 +1.3	1+70	3.7 +1.0
<u>14:21</u>	3.5 +1.2		3.7 +1.0
(4.7)	3.6 +1.1	(4.7)	3.6 +1.1
	3.6 +1.1	2+00	3.8 +0.9
	3.6 +1.1	<u>14:25</u>	3.8 +0.9
50	3.5 +1.2		3.8 +0.9
	3.5 +1.2		3.9 +0.8
	3.6 +1.1		3.9 +0.8
	3.6 +1.1	50	3.9 +0.8
	3.6 +1.1		3.9 +0.8
1+00	3.7 +1.0		3.9 +0.8
	3.6 +1.1		3.9 +0.8
	3.6 +1.1		3.9 +0.8
	3.8 +0.9	3+00	3.9 +0.8
40	3.7 +1.0		3.9 +0.8
50	3.7 +1.0		4.1 +0.6
1+60	3.7 +1.0	3+30	4.0 +0.7

PX

32+04.08 "C" 8-11-47

DIST	SOUND	DIST	SOUND
3+40	4.0 +0.7		
50	4.0 +0.7		
<u>14:27</u>	4.0 +0.7		
	4.0 +0.7		
	4.0 +0.7		
(4.7)	4.0 +0.7		
4+00	4.0 +0.7		
	3.9 +0.8		
	3.9 +0.8		
	4.0 +0.7		
	3.9 +0.8		
50	3.9 +0.8		
	3.8 +0.9		
	3.9 +0.8		
	4.0 +0.7		
	4.0 +0.7		
5+00	4.0 +0.7		

32+04.08
9 83
41+87.08

94+54
42+25
52 39

(63)

PX

33+00 "c"

8-11-47

PX
DIST SOUND

33+00 "c"

8-11-47

(62)

0+00 = STA-33+00 ON 100' OFFSET LINE: SOUND SOUTH

DIST	SOUND	DIST	SOUND
0+00	3.7 +1.2	1+80	3.6 +1.3
<u>1+37</u>	3.8 +1.1	<u>1+90</u>	3.8 +1.1
	3.7 +1.2	2+00	3.8 +1.1
(4.9)	3.7 +1.2	(4.9)	3.9 +1.0
	3.7 +1.2		4.0 +0.9
50	3.6 +1.3		4.0 +0.9
	3.6 +1.3		4.0 +0.9
	3.6 +1.3	50	4.0 +0.9
	3.6 +1.3		4.1 +0.8
	3.7 +1.2		4.2 +0.7
1+00	3.7 +1.2		4.2 +0.7
	3.6 +1.3		4.3 +0.6
	3.6 +1.3	3+00	4.3 +0.6
	3.6 +1.3		4.4 +0.5
	3.7 +1.2		4.4 +0.5
50	3.6 +1.3		4.5 +0.4
	3.6 +1.3		4.4 +0.5
1+70	3.6 +1.3	3+50	4.5 +0.4

DIST SOUND

33+00 "c"

8-11-47

(62)

3+60 4.5 +0.4

4.7 +0.2

4.8 +0.1

4.6 +0.3

4+00 4.5 +0.4

(4.9) 4.5 +0.4

4.5 +0.4

4.4 +0.5

4.3 +0.6

50 4.3 +0.6

4.4 +0.5

4.4 +0.5

4.3 +0.6

4.3 +0.6

5+00 4.3 +0.6

5+35 4.3 +0.6

4.4 +0.5

4.4 +0.5

4.4 +0.5

4.4 +0.5

4.4 +0.5

PX

34+00 "c"

8-11-47

0+00=STA-34+00

ON 100' OFFSET LINE; SOUND SOUTH

DIST	SOUND	DIST	SOUND
0+00	4.5 +0.5	1+80	3.9 +1.1
<u>14:49</u>	4.4 +0.6		3.8 +1.2
	4.3 +0.7	2+00	3.9 +1.1
(5.0)	4.1 +0.9	(5.0)	3.9 +1.1
	4.0 +1.0		3.9 +1.1
50	4.0 +1.0		4.1 +0.9
	4.0 +1.0		4.0 +1.0
	4.0 +1.0	50	4.0 +1.0
	3.9 +1.1		4.0 +1.0
	3.8 +1.2		4.0 +1.0
1+00	3.8 +1.2	<u>14:53</u>	4.0 +1.0
	3.8 +1.2		4.0 +1.0
	3.8 +1.2	3+00	4.0 +1.0
	3.8 +1.2		4.0 +1.0
	3.9 +1.1		4.0 +1.0
50	3.8 +1.2		4.0 +1.0
	3.9 +1.1		4.0 +1.0
1+70	3.9 +1.1	3+50	4.1 +0.9

34+00 "c"

8-11-47

(65)

DIST SOUND

DIST SOUND

3+60 4.2 +0.8

4.3 +0.7

4.2 +0.8

14:55 4.3 +0.7

4+00 4.4 +0.6

(5.0) 4.5 +0.5

4.6 +0.4

4.6 +0.4

4.7 +0.3

50 4.7 +0.3

4.8 +0.2

4.9 +0.1

5.0 0.0

5.0 0.0

5+00 5.0 0.0

5.0 0.0

5.0 0.0

5.0 0.0

5.0 0.0

5.0 0.0

8-11-47

35+00 "c"

PX

0+00 = STA-35+00

ON 100' OFFSET LINE: SOUND $\frac{1}{2}$ "

DIST SOUND

35+00 "c" 8-11-47

DIST SOUND

(56)

DIST	SOUND	DIST	SOUND
0+00	4.4 +0.7	1+00	4.4 +0.7
<u>15:03</u>	4.4 +0.7	<u>15:05</u>	4.3 +0.8
	4.4 +0.7	2+00	4.4 +0.7
(5.1)	4.4 +0.7	(5.1)	4.4 +0.7
	4.6 +0.5		4.3 +0.8
50	4.8 +0.3		4.3 +0.8
	4.8 +0.3		4.4 +0.7
	4.7 +0.4	50	4.3 +0.8
	4.6 +0.5		4.3 +0.8
	4.5 +0.6		4.3 +0.8
1+00	4.6 +0.5		4.3 +0.8
	4.5 +0.6		4.4 +0.7
	4.5 +0.6	3+00	4.4 +0.7
	4.4 +0.7		4.3 +0.8
	4.4 +0.7		4.3 +0.8
50	4.4 +0.7		4.2 +0.9
	4.4 +0.7		4.2 +0.9
1+70	4.4 +0.7	3+50	4.3 +0.8

3+60 4.3 +0.8

15:08 4.4 +0.7

4.4 +0.7

4.3 +0.8

4+00 4.3 +0.8

(5.1) 4.3 +0.3

4.8 +0.3

4.5 +0.6

4.4 +0.7

50 4.6 +0.5

4.5 +0.6

4.5 +0.6

4.5 +0.6

4.5 +0.6

5+00 4.5 +0.6

15:10

PX

36700 "c"

8-13-47

0700=STA-36700 ON 100' OFFSET LINE: SOUND S/E.

DIST	SOUND	DIST	SOUND
0400	2.7 +0.5	1780	2.9 +0.3
<u>13:48</u>	2.6 +0.6		2.9 +0.3
	2.6 +0.6	2700	3.0 +0.2
(3.2)	2.7 +0.5	(3.2)	2.9 +0.1
	2.8 +0.4		3.1 +0.1
50	2.7 +0.5	<u>13:52</u>	3.1 +0.1
	2.7 +0.5		3.2 0.0
	2.9 +0.3	50	3.1 +0.1
	2.8 +0.4		3.1 +0.1
	2.8 +0.4		3.2 0.0
1+00	2.8 +0.4		3.4 -0.2
	2.8 +0.4		3.3 -0.1
	2.8 +0.4	3+00	3.3 -0.1
	2.9 +0.3		3.3 -0.1
	2.9 +0.3		3.3 -0.1
50	2.9 +0.3		3.1 +0.1
	2.9 +0.3		3.1 +0.1
1+20	3.0 +0.2	3+50	3.0 +0.2

DIST SOUND

36700 "c" 8-13-47

(62)

DIST SOUND

3+60	3.1 +0.1
	3.1 +0.1
	3.1 +0.1
	3.0 +0.2
4+00	3.0 +0.2
(3.2)	3.0 +0.2

PX

	3.0 +0.2
	3.0 +0.2
	3.0 +0.2
50	3.0 +0.2
	2.8 +0.4
	2.7 +0.5
	2.7 +0.5
5+00	2.8 +0.4

13:55

8-13-47

37+00 "c" 8-13-47

(68)

PX

37+00 "c"

DIST SOUND

DIST SOUND

0+00 = STA-37+00 ON 100' OFFSET LINE; SOUND S

37+60 3.9 -0.6

DIST SOUND

DIST SOUND

4.2 -0.9

PX

0+00 3.0 +0.3 1+80 3.1 +0.2

3.9 -0.6

14:002.9 +0.4 14:03 3.1 +0.2

4.4 -1.1

2.9 +0.4 2+00 3.1 +0.2

4+00 4.4 -1.1

(3.3)

2.9 +0.4 (3.3) 3.2 +0.1

(3.3) 4.0 -0.7

2.9 +0.4 3.2 +0.1

4.1 -0.8

50 2.9 +0.4 3.5 -0.2

4.4 -1.1

2.9 +0.4 3.3 0.0

4.1 -0.8

2.9 +0.4 50 3.2 +0.1

50 4.0 -0.7

2.9 +0.4 3.3 0.0

4.0 -0.7

2.9 +0.4 3.4 -0.1

4.2 -0.9

1+00 2.9 +0.4 3.4 -0.1

4.1 -0.8

3.2 +0.1 3.5 -0.2

4.0 -0.7

3.5 -0.2 3+00 3.6 -0.3 5+00 4.0 -0.7

3.5 -0.2 14:05 3.7 -0.4 14:08

3.1 +0.2 3.7 -0.4

50 3.0 +0.3 3.6 -0.3

3.0 +0.3 3.7 -0.4

1+70 3.0 +0.3 3+50 3.8 -0.5

PX

38+00 "C"

8-12-47

38+00 "C" 8-13-47

(3)

0+00 = STA-38+00 ON 100' OFFSET LINE: SOUND S/E

DIST SOUND 3+60 3.7 -0.2

DIST SOUND

DIST SOUND DIST SOUND

0+00 2.7 +0.8 1+80 3.0 +0.5

3.8 -0.3

PX

14:12

2.7 +0.8 3.0 +0.5

3.9 -0.4

2.7 +0.8 2+00 3.0 +0.5

4+00 3.9 -0.4

(3.5) 2.8 +0.7 (3.5) 3.0 +0.5

(3.5) 4.0 -0.5

2.9 +0.6 3.1 +0.4

3.8 -0.3

50 2.7 +0.8 3.2 +0.3

4.1 -0.6

2.7 +0.8 3.2 +0.3

4.1 -0.6

2.7 +0.8 50 3.2 +0.3

50 4.1 -0.6

2.8 +0.7 3.3 +0.2

4.2 -0.7

2.7 +0.8 3.4 +0.1

4.3 -0.8

1+00 2.7 +0.8 3.5 0.0

4.1 -0.6

2.8 +0.7 3.5 0.0

4:32 4.1 -0.6

2.8 +0.7 3+00 3.4 +0.1

5+00 4.0 -0.5

2.8 +0.7 3.4 +0.1

2.8 +0.7 3.6 -0.1

50 2.7 +0.8 3.6 -0.1

14:15 2.8 +0.7 14:18 3.6 -0.1

1+70 2.9 +0.6 3+50 3.6 -0.1

8-13-47

PX

39+00 "c"

DIST SOUND

39+00 "c" 8-13-47

DIST SOUND

(20)

0+00 = STA-39+00 ON 100' OFFSET LINE: SOUND S/E

2+60 2.9 +0.7

PX

DIST SOUND DIST SOUND

2.9 +0.7

0+00 2.7 +0.9 1+80 3.2 +0.4

2.9 +0.7

14:25 2.7 +0.9 3.3 +0.3

2.8 +0.8

2.6 +1.0 2+00 3.6 0.0

4+00 2.8 +0.8

(3.6) 2.6 +1.0 (3.6) 3.7 -0.1 (3.6) 2.9 +0.7

(3.6) 2.9 +0.7

2.6 +1.0 3.8 -0.2

2.9 +0.7

50 2.6 +1.0 3.4 +0.2

2.9 +0.7

2.6 +1.0 14:30 3.2 +0.4

3.0 +0.6

2.6 +1.0 50 3.0 +0.6

50 3.0 +0.6

2.6 +1.0 3.0 +0.6

3.1 +0.5

2.6 +1.0 3.0 +0.6

3.3 +0.3

1+00 2.6 +1.0 3.0 +0.6

3.3 +0.3

2.7 +0.9 3.0 +0.6

3.4 +0.2

2.8 +0.8 3+00 2.8 +0.8

5+00 3.5 +0.1

14:28 2.8 +0.8 2.8 +0.814:35

2.8 +0.8 2.8 +0.8

1+50 2.9 +0.7 2.7 +0.9

2.9 +0.7 2.7 +0.9

1+70 3.0 +0.6 3+50 2.8 +0.8

PX

40+00 "c"

8-13-97

40+00 "c" 873-47

②

0+00=STA 40+00 ON 100' OFFSET LINE; SOUND S/E

DIST SOUND

DIST SOUND

DIST	SOUND		DIST	SOUND	
0+00	4.4	+0.7-	1+80	3.8	-0.1
<u>14:40.</u>	4.4	+0.7-		3.8	-0.1
	4.8	+1.1-	2+00	3.7	0.0
(3.7)	4.4	+0.7-	(3.7)	3.7	0.0
	4.3	+0.6-		3.4	+0.7
50	4.3	+0.6-	<u>14:45</u>	3.2	+0.5
	4.3	+0.6-		3.0	+0.7
	4.5	+0.8-	50	3.0	+0.7
	4.5	+0.8-		3.0	+0.7
	4.4	+0.7-		3.0	+0.7
1+00	4.4	+0.7-		2.9	+0.8
	4.3	+0.6-		2.9	+0.8
	4.3	+0.6-	3+00	2.8	+0.9
	4.2	+0.5-		2.8	+0.9
<u>14:43</u>	4.0	+0.3-		2.8	+0.9
50	4.1	+0.4-		2.8	+0.9
	4.1	+0.4-		2.8	+0.9
1+70	4.0	+0.3-	3+50	2.8	+0.9

DIST SOUND

3+60 2.8 +0.9

2.8 +0.9

3.0 +0.7

14:48 2.8 +0.9

4+00 2.8 +0.9

(3.7) 2.9 +0.8

3.0 +0.7

3.0 +0.7

3.0 +0.7

50 3.0 +0.7

3.2 +0.5

3.2 +0.5

3.2 +0.5

3.2 +0.5

5+00 3.2 +0.5

14:50

PX

8-13-47

PX

41+87.11 "c"

6+00-574-41+87.11 ON 100' OFFSET LINE: SOUND 5/2

DIST	SOUND	DIST	SOUND
0+00	3.2 +0.7	1+00	4.9 -1.0
<u>14:55</u>	3.2 +0.7		5.2 -1.3
	3.2 +0.7	2+00	5.2 -1.3
(3.9)	3.2 +0.7	(3.9)	5.3 -0.4
	3.3 +0.6		5.3 -0.4
50	3.3 +0.6		5.3 -0.4
	3.8 +0.1	<u>15:00</u>	5.4 -0.5
	3.9 0.0	50	5.5 -0.6
	3.9 0.0		6.0 -2.1
	4.1 -0.2		5.7 -1.8
1+00	4.6 -0.7		5.4 -1.5
	4.6 -0.7		5.4 -1.5
	4.2 -0.3	3+00	5.4 -1.5
	4.2 -0.3		5.5 -1.6
	4.6 -0.7		5.3 -1.4
1+50	4.9 -1.0		5.3 -1.4
	4.9 -1.0		5.3 -1.4
1+70	4.9 -1.0	3+50	5.2 -1.3

41+87.11 "c" 8-13-47

(73)

DIST SOUND DIST SOUND

DIST	SOUND	DIST	SOUND
3+60	5.2 -1.3		
	5.1 -1.2		
	5.2 -1.3		
	5.2 -1.3		
4+00	5.2 -1.3		
(3.9)	5.2 -1.3		
	5.2 -1.3		
	5.2 -1.3		
	5.2 -1.3		
50	5.0 -1.1		
	5.0 -1.1		
	5.0 -1.1		
	4.7 -0.8		
	4.9 -1.0		
5+00	4.7 -0.8		

15:05

PX

42+51.97

8-14-47

42+51.97

8-14-47

PX (28)

SECTION TAKEN AT AN ANGLE OF 66°36'54" TO SECT. C

DIST SOUND

DIST SOUND

3/4, THROUGH STA- 42+51.97 - 9/16 = P.I. 1/4 SECT. C AND 9/16 SECT. D

3+40

5.1

-1.5

5+40

3.7

-0.2

0+00 = P.I. OF 100' OFFSET LINE SECT. C AND SECT. D

50

5.2

-1.6

50

3.2

+0.3

DIST SOUND

DIST SOUND

5.1

-1.5

3.0

+0.5

0+00

2.7

+0.9

1+70

2.5

+1.1

5.1

-1.5

(3.5)

3.0

+0.5

11:16

2.6

+1.0

2.6

+1.0

5.1

-1.5

2.8

+0.7

(3.6)

2.4

+1.2

(3.6)

2.8

+0.8

5.4

-1.8

2.8

+0.7

PX

2.4

+1.2

2+00

3.0

+0.6

4+00

5.2

-1.6

6+00

3.8

+0.7

2.4

+1.2

3.0

+0.6

5.1

-1.5

2.8

+0.7

50

2.3

+1.3

3.1

+0.5

5.0

-1.4

2.8

+0.7

2.2

+1.4

3.2

+0.4

5.0

-1.4

2.8

+0.7

2.2

+1.4

3.4

+0.2

5.2

-1.6

2.8

+0.7

2.3

+1.3

50

3.0

0.0

50

5.0

-1.4

50

2.8

+0.7

2.2

+1.4

11:20

3.8

-0.2

4.9

-1.3

2.8

+0.7

1+00

2.1

+1.5

4.0

-0.4

(3.6)

4.7

-1.1

2.9

+0.6

2.2

+1.4

4.0

-0.4

(3.5)

4.8

-1.3

3.0

+0.5

2.3

+1.3

4.0

-0.4

4.5

-1.0

3.0

+0.5

2.3

+1.3

3+00

4.1

-0.5

5+00

4.5

-1.0

7+00

3.1

+0.4

2.4

+1.2

4.7

-1.1

4.4

-0.9

3.1

+0.4

50

2.4

+1.2

5.0

-1.4

11:25

4.2

-0.9

11:30

3.2

+0.3

1+00

2.5

+1.1

3+30

5.0

-1.4

5+30

4.2

-0.7

BENCH LEVELS ALONG
CROWN PT. DRIVE FOR
TIDE GAUGE SET FOR
APPROACH CHANNEL PROJ. #3.1

STA	+	H.I.	-	ELEV
B.M.	2.77	41.35		38.58
T.P.	2.44	31.99	12.30	29.05
T.P.	1.59	20.32	12.76	18.73
T.P.	3.80	12.75	11.37	8.95
T.P.	4.61	11.14	6.22	6.53
T.P.	4.92	11.03	9.53	6.61
T.P.	3.16	10.83	3.36	7.67
T.P.	3.79	10.07	4.55	6.28
T.P.	4.81	10.59	4.29	5.78
T.P.	4.20	9.82	4.97	5.62
T.P.	3.74	9.79	3.77	6.05
B.M.	1.39	10.41	0.77	9.02
TIDE STAFF			2.91	
B.M.	0.75	9.77		9.02
T.P.	3.95	9.78	3.94	5.83
T.P.	10.01	16.11	3.68	6.10

EDGE CURB
15 #/FOOT
TAKEN AT

S/W COR. BEAM
PUMP, CURB,
SLIP
8' MARK ON
TIDE STAFF

BARRAGAN
SHEPARD

(25)

12-15-47

STA	+	H.I.	-	ELEV
T.P.	12.37	28.17	0.01	16.10
T.P.	8.65	35.25	1.87	26.60
T.P.	3.71	32.02 31.02	6.94	28.31

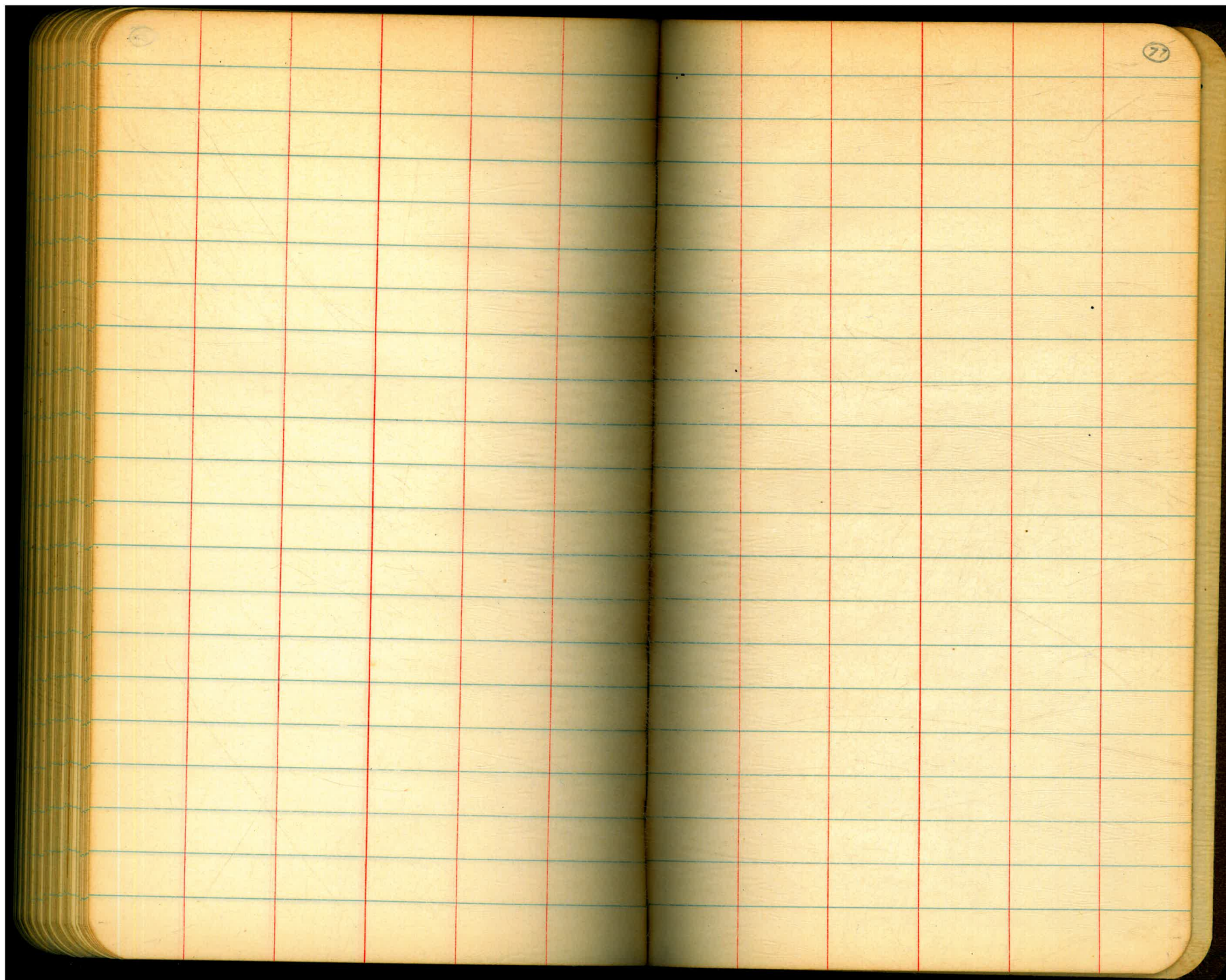
U.S.C. & G.S. BAY PT.

T.P.	4.26	29.91 28.41	6.87	25.15 24.15
T.P.	8.85	32.79 31.79	5.47	23.94 22.94
T.P.	9.14	40.69 39.69	1.24	31.55 30.55
T.P.	4.04	42.62 41.62	2.11	38.58 37.58
			4.06	38.56 27.56

U.S.C. & G.S.
BAY POINT
EL. 38.58

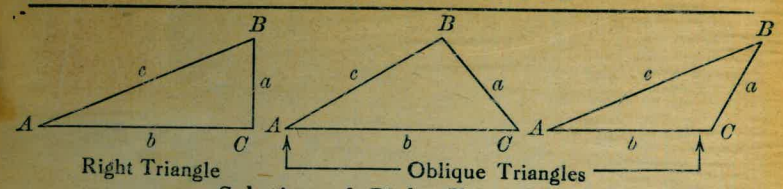
Indexed

Keypoint



9.02
 1.39
 10.41
 8.00
 2.41
 63
 4.1

TRIGONOMETRIC FORMULÆ



Solution of Right Triangles

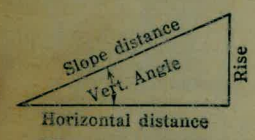
For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\operatorname{cosec} = \frac{c}{a}$

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

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 = $5^\circ 10'$. 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. $\cos 5^\circ 10' = .9959$. $1 - .9959 = .0041$. $319.4 \times .0041 = 1.31$. $319.4 - 1.31 = 318.09$ 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.