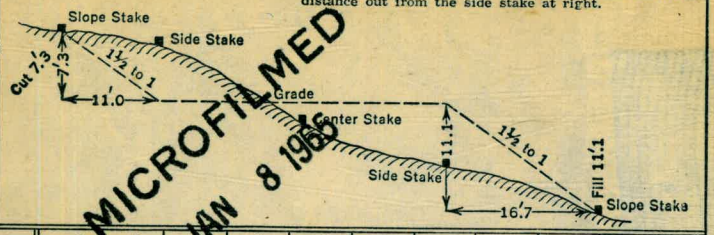
95

MISSION BAY

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.



MICROFILMED JAN 8 1960

Cut or Fill	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	Cut or Fill
	Distance out from Side or Shoulder Stake										
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	38.8	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.

MB No 95

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

N 63 W 11,570
N 64 W 11,790
N 65 W 12000
N 66 W 11910
N 67 W 11930
N 68 W 11950 6.41
N 69 W 11940 5.79
N 70 W 11930
N 71 W 11890
N 72 W 11880
N 73 W 11,920

N. 52 - W 10,240 — W 9,500
N. 54 - W 10310 — W 9,660
N. 56 - W 10,380 — W 9,680
N. 58 - W 10550 — W 9,580
N. 60 - W 9,450
N. 61 - W 9,390
N. 62 - W 9,410

PAGES	INDEX	DATE
1-75	X-SECS & SOUNDINGS ELY PORTION MISSION BAY	12-18-5

11-21-56

N.60+00; 0+00 = W11,070; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(6.5)	3.7	+2.8
(6.5)			2+00	3.4	+3.1
1018				3.3	+3.2
	1.0	+5.5	1020	3.4	+3.1
	15	+5.0		3.8	+2.7
50	1.7	+4.8		4.0	+2.5
	2.0	+4.5	50	4.5	+2.0
	2.2	+4.3		4.9	+1.6
	2.5	+4.0		5.0	+1.5
	2.9	+3.6		5.2	+1.3
1+00	3.1	+3.4		5.4	+1.1
	3.3	+3.2	3+00	5.5	+1.0
	3.4	+3.1		5.1	+1.4
	3.6	+2.9		4.6	+1.9
	4.0	+2.5		4.2	+2.3
50	4.2	+2.3		4.2	+2.3
	4.1	+2.4	50	4.2	+2.3
	4.0	+2.5		4.5	+2.0
	3.9	+2.6		4.2	+2.3

N.60+00; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
(6.5)	3.9	+2.6			
	3.4	+3.1			
4+00	3.0	+3.5	6+00		
	2.5	+4.0			
	1.9	+4.6			
Set Lath W10,640					
50					
5+00					
50					

11-21-56

N. 61+00; 0+00 = W 11,320; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(6.5)	4.3	+2.2
(6.5)			2+00	4.1	+2.4
10:30	2.4	+4.1		4.1	+2.4
	4.3	+2.2		4.3	+2.2
	4.2	+2.3		4.0	+2.5
50	3.8	+2.7		3.9	+2.6
	4.2	+2.3	50	3.9	+2.6
	4.8	+1.7		4.0	+2.5
	5.1	+1.4		3.9	+2.6
	5.8	+0.7		3.9	+2.6
1+00	6.0	+0.5		3.9	+2.6
	6.0	+0.5	3+00	4.0	+2.5
	5.9	+0.6		4.0	+2.5
	5.8	+0.7		3.9	+2.6
	5.5	+1.0		3.9	+2.6
50	5.3	+1.2		4.0	+2.5
	5.2	+1.3	50	3.9	+2.6
	4.8	+1.7		3.9	+2.6
	4.5	+2.0		3.9	+2.6

N. 61+00; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
	3.9	+2.6		3.8	+2.7
(6.5)	3.8	+2.7	(6.5)	3.9	+2.6
4+00	3.9	+2.6	6+00	3.9	+2.6
	3.9			3.9	+2.6
	3.9			4.0	+2.5
	3.9	+2.6		4.0	+2.5
	3.8	+2.7		4.0	+2.5
50	3.9	+2.6	50	4.2	+2.3
	3.9			4.3	+2.2
	3.9			4.8	+1.7
	3.9		10:35	4.9	+1.6
	3.9			4.9	+1.6
5+00	3.9		7+00	5.0	+1.5
10:33	3.9	+2.6		5.1	+1.4
	3.9	+2.6		5.0	+1.5
	4.0	+2.5		5.2	+1.3
	3.9	+2.6		5.8	+0.7
50	3.9	+2.6	50	5.9	+0.6
	3.8	+2.7		6.0	+0.5
	3.8	+2.7		6.1	+0.4

N. 61+00; SOUND EAST 11-21-56

Dist	Sound	Elev	Dist	Sound	Elev
(6.5)	6.0	+0.5			
1037	5.5	+1.0			
8+00	4.8	+1.7			
	3.5	+3.0			
	3.0	+3.5			
	2.6	+3.9			
	2.4	+4.1			
50	2.0	+4.5			
	1.9	+4.6			

(Set Lath)
W. 10,450 (Contd P945)

11320
870
10,450

N 62+00; 0+00 = W. 11,430; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(6.5)	4.1	+2.4
(6.5)	2.2	+4.3	2+00	4.2	+2.3
1048	2.5	+4.0		4.0	+2.5
	3.2	+3.3		4.0	↓
	4.9	+1.6		4.0	↓
50	5.7	+0.8		4.0	↓
	6.0	+0.5	50	4.0	+
	5.8	+0.7		4.0	+2.5
	5.7	+0.8		3.9	+2.6
	5.8	+0.7		3.9	+2.6
1+00	5.8	+0.7		3.9	+2.6
	5.6	+0.9	3+00	3.8	+2.7
	5.5	+1.0		3.7	+2.8
	5.2	+1.3		3.7	+2.8
	4.9	+1.6		3.8	+2.7
50	4.5	+2.0		3.6	+2.9
	4.5	+2.0	50	3.6	+2.9
	4.2	+2.3		3.7	+2.8
	4.0	+2.5		3.7	+2.8

N. 62+00; SOUND EAST 11-21-56

Dist	Sound	Elev	Dist	Sound	Elev
(6.5)	3.7	+2.8	(6.5)	3.4	+3.1
10:52	3.8	+2.7		3.3	+3.2
4+00	3.8		6+00	3.2	+3.3
	3.8			3.1	+3.4
	3.8			3.1	+3.4
	3.8		10:55	3.2	+3.3
	3.8			3.5	+3.0
50	3.8		50	4.0	+2.5
	3.8	+		4.1	+2.4
	3.8	+		4.2	+2.3
	3.8	+2.7		4.5	+2.0
	3.7	+2.8		4.4	+2.1
5+00	3.7	+2.8	7+00	4.9	+1.6
	3.6	+2.9		5.0	+1.5
	3.7	+2.8		4.8	+1.7
	3.7	+2.8		4.4	+2.1
	3.7	+2.8		4.2	+2.3
50	3.6	+2.9	50	4.2	+2.3
	3.6	+2.9		4.2	+2.3
	3.5	+3.0		4.1	+2.4

N. 62+00; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
(6.5)	3.9	+2.6	(6.5)	4.3	+2.2
	3.8	+2.9	10:58	4.2	+2.3
8+00	3.6	+2.9	10+00	4.2	+2.3
	3.5	+3.0		4.5	+2.0
	3.3	+3.2		4.6	+1.9
	3.3	+3.2		4.5	+2.0
	3.2	+3.3		4.8	+1.7
50	3.3	+3.2	50	4.8	+1.7
	3.4	+3.1		4.9	+1.6
	3.5	+3.0		5.0	+1.5
	3.8	+2.7		5.2	+1.3
	3.9	+2.6		5.5	+1.0
9+00	3.9	+2.6	11+00	5.8	+0.7
	3.9	+2.6		4.8	+1.7
	4.0	+2.5		4.1	+2.4
	4.2	+2.3		4.1	+2.4
	4.1	+2.4		4.0	+2.5
50	4.1	+2.4	50	3.8	+2.7
	4.1	+2.4		3.5	+3.0
	4.2	+2.3		3.2	+3.3

N. 62+00; SOUND EAST 11-21-56

Dist	Sound	Elev	Dist	Sound	Elev
(6.5)	3.0	+3.5			
11:00	2.8	+3.7			
12+00	2.2	+4.3			
	1.9	+4.6			
	1.8	+4.7			
	1.4	+5.1			
(set lath) W10,190					
10,190					

N. 63+00; 0+00 = W 11,570; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(6.4)	4.7	+1.7
(6.5)			2+00	4.0	+2.4
11:12	2.1	+4.4		3.8	+2.6
	3.0	+3.5		3.2	+3.2
	4.0	+2.5		2.9	+3.5
50	5.0	+1.5		2.8	+3.6
	6.1	+0.4	50	2.7	+3.7
	6.8	0.3		2.5	+3.9
	7.0	0.5	11:15	2.1	+4.3
	7.0	0.5		1.7	+4.7
1+00	6.8	0.3	(Set lath W11,270)	1.3	+5.1
	6.2	+0.3	3+00	1.2	+5.2
	6.6	0.1			
	6.5	0.0			
	6.2	+0.3			
50	6.0	+0.5			
	5.6	+0.9	50		
	5.1	+1.4			
	5.1	+1.4			

N 64+00; 0+00 = W 12,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	2.0	+4.3		1.8	+4.5
(6.3)	2.2	+4.1	2+00	2.0	+4.3
11:28	2.2	+4.1	(6.3)	1.9	+4.4
	2.1	+4.2		1.8	+4.5
	2.0	+4.3		2.0	+4.3
50	2.0	+4.3		2.0	+4.3
	2.0	+4.3	50	2.8	+3.5
	1.9	+4.4	11:32	3.1	+3.2
	1.9	}		3.2	+3.1
	1.9	}		3.8	+2.5
1+00	1.9	+4.4		4.0	+2.3
	1.8	+4.5	3+00	4.0	+2.3
	1.9	+4.4		4.1	+2.2
	1.9	+4.4		4.2	+2.1
	1.8	+4.5		4.8	+1.5
50	1.9	+4.4		4.9	+1.4
	1.9	+4.4	50	5.0	+1.3
	1.9	+4.4		5.1	+1.2
	1.5	+4.8		5.2	+1.1
	1.5	+4.8		5.2	+1.1

N 64+00; SOUND EAST

(6)

Dist	Sound	Elev	Dist	Sound	Elev
(62)	5.5	+0.7	6.2	1.9	+4.3
4+00	5.5	+0.7	6+00	1.6	+4.6
	5.8	+0.4	(Set 10th W11,400		
	5.9	+0.3	(Cont'd Pg 56)		
	5.9	+0.3			
	6.0	+0.2			
50	5.8	+0.4			
	5.5	+0.7			
	5.2	+1.0			
	5.1	+1.1			
	4.9	+1.3			
5+00	4.9	+1.3			
11:35	4.3	+1.9			
	3.9	+2.3			
	3.7	+2.5			
	3.4	+2.8			
50	3.2	+3.0			
	3.0	+3.2			
	2.8	+3.4			
	2.1	+4.1			

11-21-56

N.65+00; 0+00 = W12,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(6.1)	4.2	+1.9
(6.1)			2+00	4.5	+1.5
11.48	1.8	+4.3		4.9	+1.2
	3.4	+2.7		5.0	+1.1
	4.0	+2.1		5.0	+1.1
50	4.5	+1.6		5.0	+1.1
	5.0	+1.1	50	4.9	+1.2
	5.0	+1.1		5.1	+1.0
	4.9	+1.2		5.1	+
	4.9	+1.2		5.1	+
1+00	4.9	+1.2		5.1	+1.0
	4.2	+1.9	3+00	5.3	+0.8
	3.5	+2.6		5.7	+0.4
	3.9	+2.2		5.9	+0.2
	3.2	+2.9		5.5	+0.6
50	3.2	+2.9		5.2	+0.9
	3.2	+2.9	50	5.1	+1.0
	3.4	+2.7		5.0	+1.1
	4.0	+2.1		4.8	+1.3

N 65+00; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
	4.3	+1.7			
(6.0)	4.0	+2.0			
1+00	3.8	+2.2			
1.53	4.0	+2.0			
	3.7	+2.3			
	3.2	+2.8			
	3.0	+3.0			
50	2.5	+3.5			
	2.0	+4.0			
	1.8	+4.2			
	1.5	+4.5			
(Set Lath) W.11,500	1.2	+4.8			
5+00	1.3	+4.7			
(Cont'd Pg 57)					

11-21-56

N.66+00 : 0+00 = W.11,910 ; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(5.9)	4.0	+1.9
(5.9)			2+00	3.8	+2.1
12:00	2.5	+1.4		3.4	+2.5
	4.5	+1.4		3.1	+2.8
	5.2	+0.7		3.0	+2.9
50	5.0	+0.9		2.9	+3.0
	5.0	+0.9	50	2.4	+3.5
	5.0	+0.9		2.1	+3.8
	5.2	+0.7		1.7	+4.2
	5.2	+0.7		1.3	+4.6
1+00	5.8	+0.1		1.9	+4.0
	5.2	+0.7	3+00	1.8	+4.1
	5.0	+0.9	(Set Loth) W.11,600	1.7	+4.2
	4.7	+1.2	(contd P9.57)		
	4.7	+1.2			
50	4.6	+1.3			
	4.4	+1.5	50		
	4.3	+1.6			
	4.0	+1.9			

N.67+00 : 0+00 = W.11,930 ; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(5.7)	3.1	+2.6
(5.8)	2.7	+3.1	2+00	2.1	+3.6
12:12	5.3	+0.5		1.8	+3.9
	5.3	+0.5	12:15	2.0	+3.7
	5.3	+0.5		2.0	+3.7
50	5.0	+0.8	(Set Loth W.11,680	1.6	+4.1
	4.9	+0.9	50	1.7	+4.0
	4.5	+1.3	(contd P9.58)		
	4.5	+1.3			
	4.3	+1.5			
1+00	4.5	+1.3			
	4.4	+1.4	3+00		
	4.4	+1.4			
	4.2	+1.6			
	3.8	+2.0			
50	3.5	+2.3			
	3.4	+2.4	50		
	3.4	+2.4			
	3.2	+2.6			

11-21-56

N.68+00: 0+00 = W 11,950; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	0.0	+5.6	(Set Loth W 11,750	1.0	+4.6
(5.6)	2.2	+3.4	2+00	1.0	+4.6
1220	4.9	+0.7	(contd Pg. 58)		
	5.3	+0.3			
	5.6	0.0			
50	5.3	+0.3			
	5.2	+0.4	50		
	4.8	+0.8			
	4.3	+1.3			
	4.1	+1.5			
1+00	4.0	+1.6			
	3.7	+1.9	3+00		
	3.3	+2.3			
	3.2	+2.4			
	3.1	+2.5			
50	3.0	+2.6			
	3.0	+2.6	50		
	2.0	+3.6			
	1.3	+4.3			

N.69+00: 0+00 = W. 11,940; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(5.5)	1.5	+4.0
(5.5)	2.5	+3.0	2+00	1.6	+3.9
1225	5.2	+0.3		1.7	+3.8
	6.0	0.5		1.7	+3.8
	6.0	0.5		1.3	+4.2
50	6.0	0.5	(Set Loth W 11700)	1.2	+4.3
	5.1	+0.4	50		
	4.5	+1.0	(contd Pg. 60)		
	4.1	+1.4			
	3.8	+1.7			
1+00	3.5	+2.0			
	3.2	+2.3	3+00		
	2.7	+2.8			
	2.3	+3.2			
	2.0	+3.5			
50	1.9	+3.6			
	1.7	+3.8	50		
	1.5	+4.0			
	1.2	+4.3			

11-21-56

N.70+00; 0+00 = W11,930; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(5A)	1.0	+4.4
(5A)	1.1	+4.3	2+00	1.0	+4.4
12:36	2.8	+2.6		1.2	+4.2
	5.0	+0.4		1.9	+3.5
	5.9	0.5	(Set Lath) W11,700	2.0	+3.4
50	6.0	0.6	(cont'd Pg. 60)		
	5.9	0.5	50		
	5.1	+0.3			
	4.9	+0.5			
	4.5	+0.9			
1+00	4.3	+1.1			
	3.6	+1.8	3+00		
	2.9	+2.5			
	2.2	+3.2			
	2.1	+3.3			
50	2.1	+3.3			
	2.0	+3.4			
	1.8	+3.6			
	1.2	+4.2			

N.71+00; 0+00 = W11,890; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(Set Lath) W11,690 2400	2.5	+2.8
(5.3)	1.5	+3.8		1.9	+3.4
1845	4.2	+1.1	(cont'd Pg. 61)		
	5.9	0.6			
	6.3	1.0			
50	6.2	0.9			
	6.0	0.7	50		
	5.3	0.0			
	4.2	+1.1			
	4.0	+1.3			
1+00	4.0	+1.3			
	3.6	+1.7	3+00		
	3.2	+2.1			
	3.1	+2.2			
	3.0	+2.3			
50	2.9	+2.4			
	2.8	+2.5	50		
	2.3	+3.0			
	2.1	+3.2			

11-2-56

N.72+00 ; 0+00 = W.11,880 ; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(5.2)	1.6	+3.6
(5.2)	1.5	+3.7	2+00	0.5	+4.7
12:50	3.6	+1.6	W11,670 (Set lath)		
	5.9	0.7			
	6.1	0.9	(Contd Pg 61)		
50	6.5	1.3			
	6.3	1.1	50		
	6.1	0.9			
	5.8	0.6			
	4.9	+0.3			
1+00	4.2	+1.0			
	4.0	+1.2	3+00		
	3.9	+1.3			
	3.7	+1.5			
	3.2	+2.0			
50	3.0	+2.2			
	3.2	+2.0			
	3.2	+2.0			
	2.3	+2.9			

N.73+00 ; 0+00 = W 11,920 ; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(Set lath W11,720 3+00)	1.0	+4.0
(5.0)	0.4	+4.6		0.0	+5.0
12:58	1.0	+4.0	(Contd Pg 63)		
	2.3	+2.7			
	3.2	+1.8			
50	4.2	+0.8			
	4.8	+0.2	50		
	5.2	0.2			
	5.8	0.8			
	5.9	0.9			
1+00	5.9	0.9			
	5.9	0.9	3+00		
	5.5	0.5			
	5.2	0.2			
	4.7	+0.3			
50	3.9	+1.1			
	3.9	+1.1			
	3.7	+1.3			
	2.5	+2.5			

11-23-56

N.58+00; 0+00 = W10,550; SOUND WEST

Dist	Sound	Elev
0+00	(Contd P944)	
(4.9)	0.5	+4.4
11:22	1.2	+3.7
	2.8	+2.1
	2.9	+2.0
50	3.2	+1.7
	4.0	+0.9
	3.7	+1.2
	3.8	+1.1
	3.5	+1.4
1+00	1.2	+3.7
(Set lath W10660)	(Contd Pg 22)	21

(Indexed)
(Plotted R-25)

N.56+00; 0+00 = W10,380; SOUND WEST

Dist	Sound	Elev
0+00	(Indexed)	
(5.0)	2.0	+3.0
11:30	2.8	+2.2
	3.8	+1.2
	4.1	+0.9
50	4.0	+1.0
	4.0	+1.0
	4.0	+1.0

(12)

Dist	Sound	Elev
(5.0)	4.0	+1.0
	3.2	+1.8
1+00	2.8	+2.2
	1.5	+3.5

(Set Lath W10500)

(Contd Pg 22)

(PLOTTED R-25)

N.54+00; 0+00 = W.10,310; Sound WEST

Dist	Sound	Elev
0+00	(Contd Pg 43)	
(5.1)		
11:37	1.7	+3.4
	2.5	+2.6
	3.4	+1.7
50	4.1	+1.0
	3.9	+1.2
	2.2	+2.9
	0.6	+4.5
(Set Lath W.10400)		

1+00 (indexed)

(PLOTTED R-25)

11-23-56

N.52+00; 0+00 = W.10,240; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(indexed)		
(5.1)	0.9	+4.2	(Plotted Roll 25)		
11:43	2.3	+2.8			
	3.0	+2.1			
	3.2	+1.9			
50	3.8	+1.3			
	3.9	+1.2			
	3.9	+1.2			
	4.0	+1.1			
	4.1	+1.0			
1+00	6.0				
	10.2				
	10.6		Hole dug with Clam for Pump @ Sanitary fill		
	10.4				
	8.6				
50	2.0	+3.1			
(Set Lath W10,400)	(Contd Pg 23)				

Approximately

(Contd from Pg 43)

N.50+00; 0+00 = W 9,200; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	2.1	+3.2			
(5.2)	2.9	+2.4	(indexed)		
12:42	3.1	+2.2	(Plotted Roll 25)		
	3.2	+2.1			
	3.0	+2.3			
50	1.3	+4.0	(Contd Pg 46)		

N.52+00; 0+00 = W 9500; SOUND EAST

(Contd Pg 43) (indexed)

0+00				2.9	+2.4
(5.3)	(Plotted Roll 25)		(5.3)	2.9	+
12:48	0.6	+4.7		2.9	+
	1.0	+4.3	50	2.9	+
	1.3	+4.0		2.9	+2.4
50	1.0	+4.3		2,5	+2,8
	1.1	+4.2		2.3	+3.0
	1.5	+3.8		2.7	+2.6
	1.8	+3.5	2+00	3.0	+2.3
	2.1	+3.2		3.1	+2.2
1+00	2,5	+2.8		1.8	+3.5
	2.9	+2.4		0.1	+5.2
				(Set Lath W9260	

11-23-56

N.54+00; 0+00 = W9660; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	(Indexed		(5.3)	1.0	+4.3
(5.3)	(PLOTTED R-25)		2+00	1.1	+4.2
1+00	2.2	+3.1		1.0	+4.3
	2.2	+3.1		0.3	+5.0 (Set Lath W9430)
	2.0	+3.3	(Contd P947)		
50	2.1	+3.2			
	2.9	+2.4			
	3.3	+2.0			
	3.3	+2.8			
	3.2	+2.1			
1+00	3.2	+2.1			
	3.0	+2.3			
	2.5	+2.8			
	1.8	+3.5			
	1.3	+4.0			
50	1.2	+4.1			
	1.0	+4.3			
	1.0	+4.3			
	0.9	+4.4			

(14)

N.56+00; 0+00 = W9680 SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00				0.0	+5.3 (Set Lath W9480)
(5.3)	0.2	+5.1	2+00		
1+10	1.8	+3.5	(Contd P947)		
	3.5	+1.8			
	3.7	+1.9	Indexed		
50	3.0	+2.3	(PLOTTED R-25)		
	2.8	+2.5			
	2.0	+3.3			
	1.7	+3.6			
	1.5	+3.8			
1+00	1.5	+3.8			
	1.4	+3.9			
	1.3	+4.0			
	1.0	+4.3			
	0.9	+4.4			
50	0.8	+4.5			
	1.0	+4.3			
	1.7	+3.6			
	1.7	+3.6			

11-23-56

N. 58+00; 0+00 = W 4580; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
(5.1)					
1:28	2.0	+3.1			
	3.3	+1.8			
	3.2	+1.9			
50	3.2	+1.9			
	3.1	+2.0			
	3.1	+2.0			
	3.1	+2.0			
	2.9	+2.2			
1+00	2.6	+2.5			
	1.8	+3.3			
	1.3	+3.8			
	1.0	+4.1			
	0.6	+4.5			
50	0.4	+4.7			
	0.0	+5.1			
	0.3	+4.8			

(Indexed)

(Plotted R-25)

(Set Lath W 9400) (Contd Pg 48)

N. 60+00; 0+00 = W 9450; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
(5.1)	0.8	+4.3			
1:35	3.8	+1.3			
	3.9	+1.2			
	3.5	+1.6			
50	3.1	+2.0			
	2.9	+2.2			
	2.9	+2.2			
	3.1	+2.0			
	3.1	+2.0			
1+00	2.9	+2.2			
	2.5	+2.6			
	1.8	+3.3			
	1.7	+3.4			
	2.0	+3.1			
50	1.0	+4.1			
	0.3	+4.8			

(W 9280 Set Lath) (Contd Pg. 48)

11-23-56

N. 61+00 : 0+00 = W 9390 ; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
(49)	1.1	+3.8			
1:45	3.1	+1.8			
	3.3	+1.6			
	3.5	+1.4			
50	3.8	+1.1			
	3.4	+1.5			
	3.0	+1.9			
	2.1	+2.8			
	2.2	+2.7			
1+00	2.5	+2.4			
	2.3	+2.6			
	1.3	+3.6			
	0.6	+4.3			
(set lath) W 9250					
50					

9410
+100
9240

9140
+100
-9070

N. 62+00 : 0+00 = W 9410 ; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00					
(49)	0.1	+4.8			
1:52	0.2	+4.7			
	0.8	+4.1			
	1.5	+3.4			
50	1.6	+3.3			
	1.8	+3.1			
	2.0	+2.9			
	2.5	+2.4			
	2.9	+2.0			
1+00	2.9	+2.0			
	3.2	+1.7			
	3.5	+1.4			
	3.7	+1.2			
	3.2	+1.7			
= 5.0	1.5	+3.4			
(set lath W 9240)					

(contd Pg. 49)

11-23-56

N. 63+00; 0+00 = W 10,000; SOUND EAST

Dist	Sound	Elev
0+00	1.8	+3.0
(4.8)	1.7	+3.1
2:04	1.1	+3.7
	0.1	+4.7
50	(Set Lath W 9950)	(Contd P. 46)
SOUND WEST		
0+00		
(4.7)	2.0	+2.8
2:08	1.8	+3.0
	1.4	+3.4
	1.0	+3.8
50	0.6	+4.2
	0.5	+4.3
	0.4	+4.4
	0.7	+4.1
	1.3	+3.5
1+00	1.8	+3.0
	2.1	+2.7

Dist	Sound	Elev
(4.7)	2.8	+1.9
2:12	2.5	+2.2
	2.8	+1.9
50	2.6	+2.1
	2.8	+1.9
	3.1	+1.6
	3.2	+1.5
	3.8	+0.9
2+00	3.8	+0.9
	3.8	+0.9
	3.6	+1.1
	3.8	+0.9
	3.6	+1.1
50	3.5	+1.2
	3.3	+1.4
	3.1	+1.6
	3.1	+1.6
	3.1	+1.6
3+00	3.0	+1.7

N 63+00; SOUND WEST

Dist	Sound	Elev
(4.7)	2.9	+1.8
	2.6	+2.1
2:15	2.2	+2.5
	2.0	+2.7
50	1.8	+2.9
	2.0	+2.7
	2.0	+2.7
	2.0	+2.7
	2.2	+2.5
4+00	1.9	+2.8
	1.5	+3.2
	1.1	+3.6
	1.0	+3.7
	0.8	+3.9
50	0.5	+4.2
	0.2	+4.5
	0.0	+4.7
(Set Lath W 10480)	(Contd Pg. 56)	

11-23-56

N. 64+00; 0+00 = W 10,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	1.3	+3.3	(4.5)	3.9	+0.5
(4.6)	1.3	+		4.2	+0.3
2:25	1.3	+	0	4.3	+0.2
	1.3	+3.3	1+00	4.7	0.2
	0.9	+3.7		4.0	+0.5
50	0.8	+3.8		2.0	+2.5
	0.8	+3.8		1.5	+3.0
	0.7	+3.9		0.5	+4.0
	0.6	+4.0	50	(Set Lath W10,150)	
(Set Lath W9900)	0.6	+4.0	(Cont'd P9 46)		
1+00	0.6	+4.0			

SOUND WEST

0+00					
(4.5)	1.3	+3.3			
2:30	1.6	+3.0			
	1.8	+2.8			
	2.0	+2.6			
50	2.5	+2.1			
	3.9	+0.7			

N. 65+00; 0+00 = W. 10,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(4.3)	2.8	+1.5
(4.4)			2+00	2.7	+1.6
2:40	0.2	+4.2		2.6	+1.7
	1.0	+3.4		2.6	+1.7
	2.0	+2.4		3.0	+1.3
50	4.0	+0.4		3.0	+1.3
	4.1	+0.3	50	3.0	+1.3
	4.0	+0.4		3.1	+1.2
	3.8	+0.6		3.1	+1.2
	3.5	+0.9	2:43	3.2	+1.1
1+00	3.5	+0.9		3.4	+0.9
	3.5	+0.9	3+00	3.3	+1.0
	3.3	+1.1		3.4	+0.9
	3.0	+1.4		3.5	+0.8
	2.8	+1.6		3.8	+0.5
50	2.8	+1.6		4.0	+0.3
	2.9	+1.5	50	4.1	+0.2
	2.9	+1.5		4.1	+0.2
	2.9	+1.5		4.1	+0.2

N. 65+00; SOUND EAST 11-23-56

Dist	Sound	Elev	Dist	Sound	Elev
	4.3	0.0			
(4.3)	4.4	0.1			
1+00	4.8	0.5			
2:47	4.4	0.1			
	4.2	+0.1			
	3.9	+0.4			
	3.1	+1.2			
50	1.8	+2.5			
	0.5	+3.8			
	0.0	+4.3			

(set lath)
W9510

Contd from MB94, P93 11-26-56

N.63+00; 0+00 = W. 12,000

Sta	+	H.I	-	Elev	
TBM	5.04	12.20		7.16	MB94, P94 N6000 W12000
0			6.7	5.5	
E 100			5.8	6.4	
E 200			5.6	6.6	
E 300			5.2	7.0	
E 400			4.9	7.3	
E 430			5.2	7.0	
E 438			5.6	6.6	
E 440			7.7	5.5	

11-26-56

N 62+00; 0+00 = W 11,430

Sta	+	H.I	−	Elev
0		12.20	5.4	6.8
E 6			5.6	6.6
E 8			7.8	4.4
W 100			4.6	7.6
W 200			4.9	7.3
W 300			5.6	6.6
W 400			6.4	5.8
W 500			6.5	5.7
W 570			6.9	5.3

N. 61+00; 0+00 = W 12,000

Sta	+	H.I	−	Elev
0		12.20	5.8	6.4
E 100			6.6	5.6
E 200			6.7	5.5
E 300			6.7	5.5
E 400			6.5	5.7
E 500			5.7	6.5
E 600			4.8	7.4
E 680			4.5	7.7
E 693			4.6	7.6
E 703			9.6	2.6

Contd from P9 — 11-26-56

N 60+00; 0+00 = W 11,070

Sta	+	H.I.	-	Elev
0		12.20	4.3	7.9
E 26			4.2	8.0
E 28			6.8	5.4
W 100			5.2	7.0
W 178			5.4	6.8
W 183			9.1	3.1
W 190			5.6	6.6
W 200			5.6	6.6
W 300			6.3	5.9
W 400			6.3	5.9
W 500			6.2	6.0
W 600			5.6	6.6
W 700			6.1	6.1
W 800			6.1	6.1
W 900			5.7	6.5
W 930			5.9	6.3

N. 58+00; 0+00 = W. 12,000

Sta	+	H.I.	-	Elev
0		12.20	5.9	6.3 ✓
E 100			6.0	6.2 ✓
E 200	Indicated		5.5	6.7 ✓
E 300	(Plotted R-25)		5.3	6.9 ✓
E 400			5.5	6.7 ✓
E 500			5.7	6.5 ✓
E 600			5.6	6.6 ✓
E 700			5.8	6.4 ✓
E 800			5.4	6.8 ✓
E 815			5.3	6.9 ✓
E 818			6.5	5.7
E 825			6.8	5.4 ✓
E 828			5.7	6.5 ✓
E 863			6.5	5.7 ✓
E 880			4.8	7.4 ✓
E 900			4.8	7.4 ✓
E 1000			4.9	7.3 ✓
E 1100			4.9	7.3 ✓
E 1200			4.6	7.6 ✓

N.58+00 CONTD EAST 11-26-56

Sta	+	H.I	-	Elev
E1300		12.20	5.1	7.1
E1340 (Contd from Pg 12)			6.0	6.2
E1347			5.7	6.5
E1350			7.8	4.4

N.56+00; 0+00 = W10,500

(Contd from Pg 12)

0			6.3	5.9
E3	(Indexed		7.8	4.4
W5	(PLOTTED R-15)		4.5	7.7
W100			4.9	7.3
W200			4.9	7.3
W300			5.9	6.3
W400			6.2	6.0
W500			5.5	6.7
W600			5.1	7.1
W700			5.4	6.8
W800			5.3	6.9
W900			5.2	7.0
W1000			5.0	7.2
W1100			5.5	6.7
W1200			5.8	6.4

N.56+00 CONTD WEST

Sta	+	H.I	-	Elev
W1300		12.20	5.7	6.5
W1400			6.7	5.5
W1500			7.1	5.1

N.54+00; 0+00 = W12,000

0			6.1	6.1
E100			6.2	5.9
E200			5.7	6.5
E300			5.8	6.4
E400			6.0	6.2
E500			5.6	6.6
E600			4.8	7.4
E700			4.9	7.3
E800			5.2	7.0
E900			5.0	7.2
E1000			4.4	7.8
E1100			4.1	8.1
E1200			4.8	7.4
E1300			5.4	6.8
E1400			5.0	7.2
E1500			4.4	7.8

N.54+00 CONTD EAST 11-26-56

Sta	+	H.I	−	Elev
E1600		12.20	4.9	7.3
E1609			5.5	6.7
E1610			8.0	4.2

N.52+00; 0+00 = W10,400 (Indexed)
(Contd from PG 13)

0			4.7	7.5
E2			4.8	7.4
E10			9.5	2.7
W100			5.2	7.0
W200			4.8	7.4
W300			4.3	7.9
W400			4.5	7.7
W500			4.5	7.7
W600			4.4	7.8
W700			4.8	7.4
W800			5.4	6.8
W900			5.0	7.2
W1000			5.3	6.9
W1100			6.5	5.7
W1200			5.8	6.4
W1300			5.4	6.8

N52+00 CONTD WEST

Sta	+	H.I	−	Elev
W1400		12.20	5.6	6.6
W1500			6.1	6.1
W1600			6.1	6.1

N.50+00, 0+00 = W.12,000

0	(Indexed)		5.9	6.3
E100			6.2	6.0
E138			5.9	6.3
E150			4.2	8.0
E155			5.9	6.3
E200			6.0	6.2
E300			5.7	6.5
E350			4.8	7.4
E360			3.6	8.6
E370			5.7	6.5
E400			6.2	6.0
E500			5.3	6.9
E587			3.7	8.5
E620			5.4	6.8
E700			6.0	6.2
E800			5.8	6.4

N.5040 CONTD ~~WEST~~ East 11-26-56

Stg	+	H.I.	−	Elev	
E 855		12.20	6.0	6.2	
E 865			3.7	8.8	
E 900			3.9	8.3	
E 1000			3.4	8.8	
E 1100			2.4	9.8	
E 1200			3.6	8.6	
E 1220			5.1	7.1	
E 1300			4.8	7.4	
E 1400			4.5	7.7	
E 1500			4.3	7.9	
E 1600			4.2	8.0	
E 1700			4.3	7.9	
E 1800			5.6	6.6	
E 1900			5.2	7.0	
E 2000			4.9	7.3	
T.P.			4.10	8.10	Left Stub
	4.10	12.20			N 5,000 W 12,000
T.B.M.			5.79	6.41	~ 6.45

W 13+00; 0+00 = N. 5,000 (Contd from FB 94, Pg. 58) (24)

Stg	+	H.I.	−	Elev	
T.B.M.	6.72	15.40		8.68	N. 5,000 W. 13,700 (Fb 94, P 914)
0			7.5	7.9	
5 100			7.3	8.1	
5 200			7.1	8.3	
5 300			6.4	9.0	
5 400			5.8	9.6	
5 500			6.6	8.8	
5 600			6.3	9.1	
5 630			6.3	9.1	
5 640			5.2	10.2	Accessed N. E.P. ↓
5 659			4.90	10.50	S E.P.
5 693			4.80	10.60	
5700			5.0	10.4	
5727			4.5	10.9	
5735			3.15	12.25	Top bank
5736			3.63	11.77	Gut Midway

W136+00; 0+00 = N. 5,000 11-26-56

Sta	+	H.I	−	Elev	
0		15.40	8.0	7.4	
5100			7.8	7.6	
5200			7.5	7.9	
5300			6.5	8.9	
5400			7.5	7.9	
5500			6.3	9.1	
5600			7.1	8.3	
5700			5.8	9.6	
5745			6.7	8.7	
5752			5.6	9.8	Access Rd N. E.P.
5773			5.50	9.90	
5809			5.45	9.95	S. E.P.
5845			5.1	10.3	
5850			3.65	11.75	Top berm
5851			4.28	11.12	Gut Midway

W. 135+00; 0+00 = N. 5,000

Sta	+	H.I	−	Elev	
0		15.40	8.1	7.3	
5100			8.0	7.4	
5200			7.6	7.8	
5300			5.2	10.2	
5370			7.3	8.1	
5400			6.8	8.6	
5500			6.4	9.0	
5600			6.4	9.0	
5700			6.7	8.7	
5800			7.2	8.2	
5855			6.7	8.7	
5860			6.3	9.1	Access Rd N. E.P.
5882			5.70	9.70	
5916			5.56	9.84	S. E.P.
5958			3.40	11.00	Top berm
5959			4.00	9.40	Gut Midway

W. 134+00; 0+00 = N 5,000 11-26-56

Sta.	+	H.I.	−	Elev.	
0		15.40	8.2	7.2	
S 100			7.8	7.6	
S 200			7.5	7.9	
S 300			7.2	8.2	
S 400			7.3	8.1	
S 500			7.0	8.4	
S 600			7.4	8.0	
S 700			6.8	8.6	
S 800			6.2	9.2	
S 900			7.2	8.2	
S 962			8.3	7.1	
S 972			5.7	9.7	Access N EP
S 995			5.13	10.27	
S 1018			4.77	10.63	S EP
S 1069			3.10	12.30	Top
S 1070			3.70	11.70	Gut Midway drive

W. 133+00; 0+00 = N. 5,000

(26)

Sta	+	H.I	−	Elev	
0		15.40	8.5	6.9	
S 100			8.4	7.0	
S 200			7.9	7.5	
S 300			7.7	7.7	
S 400			7.5	7.9	
S 500			7.4	8.0	
S 600			7.3	8.1	
S 700			6.8	8.6	
S 800			7.0	8.4	
S 900			7.9	7.5	
S 1000			6.9	8.5	
S 1075			7.4	8.0	
S 1080			4.1	11.3	Accessed N. E.P.
S 1106			3.85	11.55	
S 1135			3.60	11.80	S E.P.
S 1170			3.6	11.8	
S 1179			2.05	13.35	Top perm
S 1180			2.65	12.75	Gut Midway
TBM.	8.80	21.00	3.20	12.20	B.P. E. Culv. Hdwall; 1-St

(overflow channel → Culv. N. Midway Bridge

W.132+00; 0+00 = N. 5,000; 11-26-56

Sta	+	H.I.	-	Elev	
0		21.00	14.3	6.7	
5 100			14.2	6.8	
5 200			13.6	7.4	
5 300			13.6	7.4	
5 400			13.3	7.7	
5 500			13.0	8.0	
5 600			12.8	8.2	
5 700			12.3	8.7	
5 800			13.4	7.6	
5 900			13.3	7.7	
5 1000			13.0	8.0	
5 1100			13.0	8.0	
5 1165			12.9	8.1	
5 1176			10.4	10.6	Access Rd. N. E.P.
5 1195			10.23	10.77	5 E.P.
5 1223			9.84	11.16	
5 1288			6.95	14.05	Top berm
5 1289			7.50	13.50	Gut Midway

W.131+00; 0+00 = N. 5,000

Sta	+	H.I.	-	Elev	
0		21.00	14.6	6.4	
5 100			14.3	6.7	
5 200			13.9	7.1	
5 300			13.8	7.2	
5 400			13.5	7.5	
5 500			13.2	7.8	
5 600			12.8	8.2	
5 700			12.2	8.8	
5 800			13.1	7.9	
5 900			12.0	9.0	
5 1000			12.4	8.6	
5 1100			13.5	7.5	
5 1200			13.3	7.7	Access Rd. N. E.P.
5 1219			11.40	9.60	5 E.P.
5 1288			10.90	10.10	
5 1300			10.6	10.4	
5 1393			7.60	13.40	Top berm
5 1394			8.15	12.85	Gut Midway

W. 130+00; 0+00 = N. 5,000 11-26-56

Sta	+	H.I.	-	Elev	
0		21.00	14.4	6.6	
S 100			14.4	6.6	
S 200			14.5	6.5	
S 300			13.9	7.1	
S 400			13.6	7.4	
S 500			13.4	7.6	
S 600			13.0	8.0	
S 700			13.0	8.0	
S 800			12.8	8.2	
S 900			12.5	8.5	
S 1000			12.4	8.6	
S 1100			13.2	7.8	
S 1200			13.2	7.8	
S 1242			12.7	8.3	
S 1264			11.2	9.8	Access Rd. N. E.P.
S 1282			11.15	9.85	
S 1318			10.95	10.05	S E.P.
S 1333			11.9	9.1	
S 1345			13.6	7.4	
S 1400			14.2	6.8	

W. 130+00 CONTD SOUTH

Sta	+	H.I.	-	Elev	
S 1427		21.00	13.2	7.8	
S 1444			8.1	12.9	
S 1457			6.95	14.05	Top berm
S 1458			7.25	13.75	Gut Access Rd To San. fill

W. 129+00; 0+00 = N. 5,000

0			14.4	6.6	
S 100			14.4	6.6	
S 200			13.8	7.2	
S 300			13.8	7.2	
S 400			13.7	7.3	
S 500			13.5	7.5	
S 600			13.4	7.6	
S 700			13.3	7.7	
S 800			13.0	8.0	
S 900			13.0	8.0	
S 1000			12.5	8.5	
S 1100			13.4	7.6	
S 1200			12.6	8.4	Access Rd
S 1294			10.80	10.20	N.E.P.
S 1323			11.10	9.90	S.E.P.

W 129+00; CONTD SOUTH 11-26-56

Sta	+	H.I	−	Elev	
S 1366		21.00	13.7	7.3	
S 1400			13.5	7.5	
S 1500			11.3	9.7	
S 1520			11.2	9.8	
S 1541			2.5	18.5	
S 1553			1.63	19.37	Top berm
S 1554			1.87	19.13	Gut
T.B.M.			8.80	12.20	(Pg. 26) ~ 12.20
	5.69	17.89			
T.P.			3.78	14.11	
	2.53	16.64			
B.M.			4.03	12.61	"Sle" ~ 12.61

W. 128+00; 0+00 = N. 5,000

T.B.M.	2.30	14.50		12.20	
0			7.9	6.6	
S 100			7.7	6.8	
S 200			7.7	6.8	
S 300			7.6	6.9	
S 400			7.6	6.9	
S 500			7.2	7.3	

W. 128+00 CONTD SOUTH 11-27-56

Sta	+	H.I.	−	Elev.	
S 600		14.50	7.2	7.3	
S 700			7.0	7.5	
S 800			6.7	7.8	
S 900			6.2	8.3	
S 1000			5.3	9.2	
S 1100			6.9	7.6	
S 1200			6.6	7.9	
S 1300			4.6	9.9	Accessed N. E.P.
S 1303			4.37	10.13	S E.P.
S 1336			4.70	9.80	
S 1400			5.8	8.7	
S 1423			5.3	9.2	
S 1432			2.8	11.7	
S 1448			6.4	8.1	
S 1500			6.5	8.0	
S 1600			5.9	8.6	
S 1627			{-8.4}	22.9	Top Shoulder Midway

W. 127+00; 0+00 = N. 5,000 11-27-56

Sta	+	H.I.	−	Elev	
0		14.50	9.3	5.2	
S 27			8.1	6.4	
S 100			7.9	6.6	
S 200			8.0	6.5	
S 300			7.5	7.0	
S 400			7.4	7.1	
S 500			7.2	7.3	
S 600			7.3	7.2	
S 700			7.1	7.4	
S 800			6.8	7.7	
S 900			6.2	8.3	
S 1000			5.9	8.6	
S 1100			5.9	8.6	
S 1200			6.9	7.6	
S 1300			5.5	9.0	ACCESS RD. N
S 1317			3.80	10.70	E.P.
S 1342			4.85	9.65	S EP
S 1400			5.3	9.2	
S 1500			5.0	9.5	
S 1600			5.5	9.0	

W. 127+00 CONTD SOUTH

Sta	+	H.I.	−	Elev	
S 1682		14.50	4.5	10.0	
S 1717			-12.9	27.4	Top Shldr Midway

W. 126+00; 0+00 = N. 5,000

0			8.5	6.0	
S 27			8.3	6.2	
S 38			9.3	5.2	
S 45			8.3	6.2	
S 100			8.5	6.0	
S 200			8.1	6.4	
S 300			7.8	6.7	
S 400			7.6	6.9	
S 500			7.5	7.0	
S 600			7.5	7.0	
S 700			7.0	7.5	
S 800			7.1	7.4	
S 900			6.3	8.2	
S 1000			5.9	8.6	
S 1100			5.5	9.0	
S 1200			5.2	9.3	
S 1300			5.1	9.4	

W. 126+00 CONTD SOUTH 11-27-56

Sta	+	H.I.	-	Elev	
S 1320		14.50	5.0	9.5	Access Rd N EP
S 1332			3.25	10.25	
S 1361			5.25	9.25	S EP
S 1400			5.6	8.9	
S 1500			4.6	9.9	
S 1600			5.3	9.0	
S 1683			4.9	9.6	
S 1708			-2.6	17.1	Top Levee
S 1730			-3.2	17.7	Inner Crest
S W. 125+00; 0+00 = N. 5,000					
S 0			8.0	6.5	
S 66			8.2	6.3	
S 77			9.1	5.4	
S 86			8.3	6.2	
S 100			8.5	6.0	
S 200			8.5	6.0	
S 300			7.9	6.6	
S 400			7.6	6.9	
S 500			7.5	7.0	
S 600			7.5	7.0	

W. 125+00 CONTD SOUTH

Sta	+	H.I.	-	Elev	
S 700		14.50	7.4	7.1	
S 800			7.2	7.3	
S 900			7.0	7.5	
S 1000			6.3	8.2	
S 1100			6.0	8.5	
S 1200			5.1	9.4	
S 1300			5.2	9.3	
S 1342			5.5	9.0	Access Rd N EP
S 1359			3.50	11.00	
S 1387			5.50	9.00	S EP
S 1400			5.7	8.8	
S 1500			4.8	9.7	
S 1600			5.4	9.1	
S 1670			4.7	9.8	
S 1694			-33	17.8	Top Levee

W.124+00; 0+00 = N.5,000 11-27-56

Sta	+	H.I.	−	Elev
0		14.50	7.1	7.4
S 100			7.8	6.7
S 113			7.9	6.6
S 117			9.2	5.3
S 124			7.9	6.6
S 200			8.3	6.2
S 300			8.2	6.3
S 400			7.4	7.1
S 500			7.4	7.1
S 600			7.7	6.8
S 700			7.5	7.0
S 730			7.2	7.3
S 752			5.5	9.0
S 780			5.6	8.9
S 788			6.9	7.6
S 800			7.3	7.2
S 900			7.0	7.5
S 1000			6.2	8.3
S 1100			5.7	8.8
S 1200			5.0	9.5

W.124+00 CONTD SOUTH. (32)

Sta	+	H.I	−	Elev	
S 1300		14.50	5.3	9.2	
S 1386			5.5	9.0	Access Rd
S 1400			3.52	10.98	N EP
S 1431			5.40	9.10	S EP
S 1500			4.8	9.7	
S 1600			4.9	9.6	
S 1648			4.3	10.2	
S 1673			-3.3	17.8	Top Levee

W 123+00; 0+00 = N. 5,000

0			7.1	7.4	
S 100			7.8	6.7	
S 200			8.5	6.0	
S 300			8.0	6.5	
S 400			7.1	7.4	
S 500			7.9	6.6	
S 596			7.3	7.2	
S 610			5.6	8.9	
S 619			7.4	7.1	
S 700			8.1	6.4	
S 800			8.0	6.5	

W.123+00 CONTD SOUTH 11-27-56

Sta	+	H.I.	-	Elev	
5851		14.50	7.8	6.7	
5860			5.1	9.4	
5867			7.0	7.5	
5900			6.8	7.7	
51000			6.4	8.1	
51100			6.1	8.4	
51200			5.8	8.6	
51300			5.2	9.3	
51400			5.0	9.5	Access Rd
51477			3.88	10.62	N E.P.
51506			4.60	9.90	S E.P.
51600			4.8	9.7	
51631			3.2	11.3	
51659			-3.0	17.5	Top Levee

W.122+00; 0+00 = N. 5,000

0			7.2	7.3	
5100			7.6	6.9	
5200			8.3	6.2	
5300			7.9	6.6	
5400			8.2	6.3	

W.122+00 CONTD SOUTH

Sta	+	H.I.	-	Elev	
5465		14.50	7.7	6.8	
5482			5.3	9.2	
5490			7.6	6.9	
5500			7.7	6.8	
5600			7.8	6.7	
5700			7.7	6.8	
5800			7.8	6.7	
5900			7.6	6.9	
5922			7.6	6.9	
5936			4.6	9.9	
5948			6.9	7.6	
51000			6.6	7.9	
51100			6.3	8.2	
51200			6.0	8.5	
51300			5.4	9.1	
51400			4.6	9.9	
51500			5.6	8.9	
51547			4.20	10.30	N. E.P.
51577			2.95	11.55	S E.P.
51593			4.0	10.5	
51600			4.0	10.5	

W.122+00 CONTD SOUTH 11-27-56

Sta	+	H.I.	−	Elev	
S1616		14.50	33	11.2	
S1643			-2.6	17.1	Top Levee

W.121+00; 0+00 = N.5,000

0			7.7	6.8	
S 100			7.1	7.4	
S 200			8.4	6.1	
S 300			8.1	6.4	
S 320			8.0	6.5	
S 338			5.7	8.8	
S 341			7.3	7.2	
S 400			8.1	6.4	
S 500			7.7	6.8	
S 600			7.7	6.8	
S 700			7.8	6.7	
S 800			7.7	6.8	
S 900			7.5	7.0	
S1000			7.6	6.9	
S1005			5.2	9.3	
S1010			6.7	7.8	
S1100			6.5	8.0	

W.121+00 CONTD SOUTH (34)

Sta	+	H.I.	−	Elev	
S1200		14.50	6.2	8.3	
S1300			5.9	8.6	
S1400			5.5	9.0	
S1490			3.2	11.3	
S1500			-0.5	15.0	
S1507			-0.33	15.83	N E.P.
S1520			(Levee Line Prod)		
S1529			-2.80	17.70	S E.P. Access Rd

W.120+00; 0+00 = N.5,000

0			8.2	6.3	
S100			8.2	6.3	
S188			7.8	6.7	
S196			5.6	8.9	
S 207			7.8	6.7	
S 300			8.2	6.3	
S 400			8.0	6.5	
S 500			7.6	6.9	
S 600			7.5	7.0	
S 700			7.4	7.1	

W120+00 CONTD. SOUTH 11-27-56

Sta	+	H.I.	-	Elev	
S800		14.50	7.6	6.9	
S900			7.5	7.0	
S1000			7.5	7.0	
S1075			7.3	7.2	
S1085			5.1	9.4	
S1091			6.7	7.8	
S1100			6.8	7.7	
S1200			6.6	7.9	
S1300			6.3	8.2	
S1400			5.4	9.1	
S1500			6.0	8.5	
S1582			4.7	9.8	
S1607			-2.0	16.50	Accept. N. E.P.
S1613			-2.4	16.90	E.P.
S1636			-3.35	17.85	E.P.
					(P9.23)
TBM.			2.30	12.20 ~ 1220	

BENCH LEVELS 11-28-56 (25)

Sta	+	H.I.	-	Elev	
TBM				8.10	(P9.24)
	5.34	13.44			(S. Shot)
			3.40	10.04	N. 5,000 W11,000
TBM			4.69	8.75	N5,100 W10,000
	6.28	15.03			(S. Shot)
			7.17	7.86	N. 5,000 W. 10,000
TBM.			6.73	8.30	N. 6,000 W. 10,000
	5.95	14.25			
TBM.			3.50	10.75	N. 5,000 W. 9,000
	5.63	16.38			
TBM.			4.42	11.96	N. 5,000 W 8,000
	3.51	15.47			
TBM			5.48	9.99	N. 6,000 W. 8,000
	3.95	13.94			
TBM.			4.65	9.29	N. 7,000 W. 8,000
	5.70	14.99			N. 8,000 W 8,000
TBM.			6.83	8.16 ~ 8.17	(M.B. 90)

W.118+00; 0+00 = N.5,000 11-28-56

Sta	+	H.I.	−	Elev	
					N.5,000
T.B.M.	9.26	19.30		10.04	W11,000
0			13.2	6.1	
S 100			13.0	6.3	
S 200			12.8	6.5	
S 300			13.0	6.3	
S 400			12.7	6.6	
S 500			12.5	6.8	
S 600			12.6	6.7	
S 700			12.4	6.9	
S 800			12.5	6.8	
S 900			12.2	7.1	
S 1000			12.3	7.0	
S 1100			12.1	7.2	
S 1200			12.1	7.2	
S 1235			11.9	7.4	
S 1237			10.1	9.2	
S 1241			11.8	7.5	
S 1300			12.2	7.1	
S 1400			11.6	7.7	
S 1500			11.5	7.8	

W.118+00 CONTD SOUTH

Sta	+	H.I.	−	Elev	
S 1540		19.30	10.9	8.4	
S 1583			2.5	16.8	Top Levee
S 1587			2.10	17.20	N.E.P.

W.116+00; 0+00 = N.5,000

0			13.3	6.0	
S 18			12.7	6.6	
S 25			10.4	8.9	
S 30			12.3	7.0	
S 100			12.5	6.8	
S 200			12.8	6.5	
S 300			12.6	6.7	
S 400			12.6	6.7	
S 500			12.7	6.6	
S 600			12.6	6.7	
S 700			12.5	6.8	
S 800			12.4	6.9	
S 900			12.0	7.3	
S 1000			12.2	7.1	
S 1100			12.4	6.9	
S 1200			12.1	7.2	

W.116+00 CONTD SOUTH 11-28-56

Sta	+	H.I.	−	Elev	
51300		19.30	12.2	7.1	
51365			12.1	7.2	
51375			8.8	10.5	
51390			12.0	7.3	
51400			12.2	7.1	
51500			10.2	9.1	
51550			1.8	17.5	Toplevee
51555			1.80	17.50	N.E.P.
W.114+00; 0+00 = N.5,000					
0			12.7	6.6	
5 100			12.8	6.5	
5 200			12.5	6.8	
5 300			12.7	6.6	
5 400			12.5	6.8	
5 500			12.5	6.8	
5 600			12.7	6.6	
5 700			12.6	6.7	
5 800			12.2	7.1	
5 900			12.1	7.2	
5 1000			12.3	7.0	

W.114+00 CONTD SOUTH (97)

Sta	+	H.I.	−	Elev.	
51100		19.30	12.1	7.2	
51200			12.2	7.1	
51300			12.1	7.2	
51400			12.2	7.1	
51463			12.4	6.9	
51500			8.3	11.0	
51532			1.8	17.5	Toplevee
51537			1.40	17.90	N.E.P.
W.112+00; 0+00 = N.5,000					
0			13.0	6.3	
5 100			12.8	6.5	
5 200			12.6	6.7	
5 300			12.7	6.6	
5 400			12.3	7.0	
5 500			12.5	6.8	
5 600			12.6	6.7	
5 700			12.5	6.8	
5 800			12.4	6.9	
5 900			12.2	7.1	
5 1000			12.0	7.3	

W. 112+00 CONTD. SOUTH 12-28-56

Sta	+	H.I.	-	Elev	
S1100		19.30	12.0	7.3	
S1200			11.9	7.4	
S1300			12.2	7.1	
S1400			12.6	6.7	
S1442			12.0	7.3	
S1444			11.1	18.2	
S1492			1.9	17.4	Top Lever
S1498			1.40	17.90	N.E.P.

W111+00; 0+00 = N. 5,000

0			10.7	8.6	
S 100			12.9	6.4	
S 200			12.3	7.0	
S 300			12.8	6.5	
S 400			12.3	7.0	
S 500			12.5	6.8	
S 600			12.5	6.8	
S 700			13.0	6.3	Top Cut To Sat. Fill

W110+00; 0+00 = N. 5,000

Sta	+	H.I.	-	Elev.	
0		19.30	11.7	7.6	
S 100			13.0	6.3	
S 200			12.7	6.6	
S 300			12.6	6.7	
S 400			12.6	6.7	
S 500			12.6	6.7	
S 600			12.4	6.9	
S 675			12.5	6.8	Top Cut Sat. Fill

W108+00; 0+00 = N. 5,000

0			12.0	7.3	
S 100			12.0	7.3	
S 200			12.2	7.1	
S 300			12.4	6.9	
S 400			11.9	7.4	
S 500			12.2	7.1	
S 600			12.2	7.1	Top Cut Sat Fill
S 647			12.2	7.1	

W106+00; 0+00 = N. 5,000 11-28-56

Sta	+	H.I.	−	Elev	
0		19.30	11.6	7.7	
S 100			11.1	8.2	
S 200			11.4	7.9	
S 300			11.9	7.4	
S 400			11.5	7.8	
S 500			11.4	7.9	
S 600			11.5	7.8	
S 678			13.5	5.8	Toe fill (P9 35)
TP			11.20	8.10	8.10
	6.20	14.30			

W104+00; 0+00 = N. 5,000

0			6.2	8.1	
S 100			6.0	8.3	
S 200			6.3	8.0	
S 300			6.5	7.8	
S 400			6.0	8.3	
S 500			5.9	8.6	
S 600			6.4	7.9	

W102+00; 0+00 = N. 5,000 (39)

Sta	+	H.I.	−	Elev
0		14.30	7.5	6.8
S 100			6.1	8.2
S 200			5.9	8.4
S 300			6.0	8.3
S 400			5.5	8.8
S 500			5.9	8.4
S 600			6.1	8.2

W. 100+00; 0+00 = N. 5,000

0			7.1	7.2
S 100			6.2	8.1
S 200			5.4	8.9
S 300			6.0	8.3
S 400			5.4	8.9
S 500			5.5	8.8
S 600			5.0	9.3
S 700			4.8	9.5

W98+00; 0+00 = N.5,000 11-28-56

Sta	+	H.I.	-	Elev	
0		14.30	7.2	7.1	
S 100			7.4	6.9	
S 200			6.8	7.5	
S 300			5.3	9.0	
S 400			4.9	9.6	
S 500			4.6	9.7	
S600			4.6	9.7	
S700			2.6	11.7	

W.96+00; 0+00 = N.5,000

0			5.2	9.1	
S 50			5.3	9.0	
S100			8.2	6.1	
S 200			6.8	7.5	
S 300			5.8	8.5	
S 400			5.1	9.2	
S 500			4.7	9.6	
S 580			5.4	8.9	top of bank

W.94+00; 0+00 = N.5,000

Sta	+	H.I.	-	Elev	
0		14.30	6.1	8.2	
S 100			5.4	8.9	
S 165			7.4	6.9	
S 200			7.4	6.9	
S 300			6.5	7.8	
S 400			7.3	7.0	
S 500			5.5	8.8	
S 588			7.0	7.3	Toe fill
TP.	6.10	15.63	4.77	9.53	N.5000 W9,400

W.93+00; 0+00 = N.5,000

0			10.2	5.4	
S 57			11.3	4.3	
S 75			8.5	7.1	
S 100			9.3	6.3	
S 200			8.8	6.8	
S 300			8.4	7.2	
S 390			9.1	6.5	
S 396			6.3	9.3	
S400			6.5	9.1	
S460			7.1	8.5	

W 92+00; 0+00 = N 5000 11-28-56

Sta	+	H.I.	−	Elev	
0		15.63	12.6	3.0	
S 100			11.2	4.4	
S 200			11.0	4.6	
S 205			9.0	6.6	
S 300			9.8	5.8	
S 370			9.7	5.9	
S 380			7.1	8.5	
S 400			7.5	8.1	Toe fill

W. 91+00; 0+00 = N. 5,000

0			6.2	9.4	
S 65			6.5	9.1	
S 75			11.0	4.6	
S 100			12.1	3.5	
S 200			12.1	3.5	
S 300			11.7	3.9	
S 353			12.7	2.9	
S 363			7.2	8.4	
S 390			6.7	8.9	Toe fill
S 400			3.6	12.0	Top fill

W. 90+00; 0+00 = N. 5,000 (41)

Sta	+	H.I.	−	Elev	
0		15.63	6.2	9.4	
S 100			6.2	9.4	
S 200			6.0	9.6	
S 300			5.8	9.8	
S 398			6.4	9.2	Toe fill
S 410			1.9	13.7	Top fill

W. 88+00; 0+00 = N. 5,000

0			5.4	10.2	
S 100			5.2	10.4	
S 200			6.3	9.3	
S 300			5.6	10.0	
S 400			5.5	10.1	
S 425			5.6	10.0	Toe fill
S 442			1.7	13.9	Top fill
					N 5,000 W 9,000
TBM.			4.87	10.76 ~ 10.75	
	11.25	22.00			

W. 86+00; 0+00 = N. 5,000 11-29-56

Sta	+	H.I.	−	Elev	
0		22.00	12.1	9.9	
S 100			11.7	10.3	
S 200			11.4	10.6	
S 300			11.5	10.5	
S 400			11.8	10.2	
S 440			12.2	9.8	Toe fill
S 460			7.6	14.4	Top fill

W. 84+00; 0+00 = N. 5,000

0			11.2	10.8	
S 100			10.9	11.1	
S 200			10.5	11.5	
S 300			12.4	9.6	
S 400			10.9	11.1	
S 454			10.2	11.8	Toe fill
S 460			7.1	14.9	Top fill

W. 82+00; 0+00 = N. 5,000

Sta.	+	H.I.	−	Elev.	
0		22.00	10.7	11.3	
S 100			10.4	11.6	
S 200			10.2	11.8	
S 300			11.0	11.0	
S 400			10.7	11.3	
S 432			10.6	11.4	Toe fill
S 443			6.9	15.1	Top fill

W. 80+00; 0+00 = N. 5,000

0			10.7	11.3	
S 100			10.7	11.3	
S 200			10.3	11.7	
S 300			10.2	11.8	
S 370			10.4	11.6	Toe fill
S 402			5.8	16.2	Top fill
					N. 5,000 W. 8,000
TBM.			10.03	11.97	11.96 (Pg. 35)

N. 50+00; 0+00 = W 9600 11-29-56

Sta	+	H.I	−	Elev	
TBM.	6.25	15.00		8.75	(Pg. 35)
0	(Indexed)		6.0	9.0	
E100			5.2	9.8	
E200	(Plotted Roll 25)		6.9	8.1	
E213			6.5	8.5	
E267			10.4	4.6	
E300			9.6	5.4	
E380	(Contd Pg 13)		10.8	4.2	

N. 52+00; 0+00 = W 9,500 (Contd from Pg 13)

0	(Indexed)		7.9	7.1	
E8	(Plotted Roll 25)		8.1	6.9	
E10			10.4	4.6	
W15			8.3	6.7	
W30			6.1	8.9	
W100			4.9	10.1	
W200			5.5	9.5	
W300			5.9	9.1	
W400			5.9	9.1	
W500			6.7	8.3	
W590			8.2	6.8	

N. 52+00 CONTD WEST

Sta	+	H.I	−	Elev	
W608		15.00	10.5	4.5	
W615			8.3	6.7	
W700			8.1	6.9	
W740			8.0	7.0	
W746			8.4	6.6	
W747			10.7	4.3	

N. 54+00; 0+00 = W 10,310 (Contd from Pg 12)

0			8.2	6.8	(Indexed)
W20	(Plotted R-25)		11.6	3.4	
E100			6.1	8.9	
E200			5.6	9.4	
E300			6.1	8.9	
E400			5.7	9.3	
E500			5.4	9.6	
E600			5.7	9.3	
E638			5.9	9.1	
E650			8.3	6.7	
E662			8.6	6.4	
E663			10.7	4.3	

N. 56+00; 0+00 = W 9,680 11-29-56

Sta	+	H.I	−	Elev	
0 (Indexed)		15.00	8.0	7.0	✓
E9 (Contd from Pg. 14)			8.1	6.9	✓
E10 (Plotted R-25)			10.4	4.6	✓
W 8			6.7	8.3	✓
W 100			6.7	8.3	✓
W 200			6.4	8.6	✓
W 300			6.2	8.8	✓
W 400			6.8	8.2	✓
W 500			6.6	8.4	✓
W 600			7.3	7.7	✓
W 700			8.7	6.3	✓
W 703 Contd Pg.			8.5	6.5	✓
W 705			11.5	3.5	✓

N. 58+00; 0+00 = W 10,550 (Contd from Pg 12)

0 (Indexed)			2.4	5.6	✓
W 5 (Plotted R-25)			9.4	5.6	✓
W 10			11.2	3.8	✓
E 100			7.6	7.4	✓
E 200			7.7	7.3	✓
E 300			7.9	7.1	✓

N. 58+00 CONTD EAST

Sta	+	H.I	−	Elev	
E 400		15.00	7.8	7.2	✓
E 500			6.5	8.5	✓
E 600			7.6	7.4	✓
E 700			7.3	7.7	✓
E 800			6.6	8.4	✓
E 900			6.8	8.2	✓
E 970			5.8	9.2	✓
E 975			6.3	8.7	✓
E 981			10.2	4.8	✓

N. 60+00; 0+00 = W 9,450 (Contd from Pg 15)

0			6.1	8.9	
E 5			6.5	8.5	
E 8			11.0	4.0	
W 100			6.5	8.5	
W 200			6.0	9.0	
W 300			6.6	8.4	
W 400			6.9	8.1	
W 500			7.0	8.0	
W 600			6.8	8.2	
W 700			6.5	8.5	

N60+00 CONTD WEST 11-29-56

Sta	+	H.I	−	Elev
W 750		15.00	6.1	8.9
W 755			7.8	7.2
W 800			7.5	7.5
W 900			7.3	7.7
W 1000			7.1	7.9
W 1100			7.6	7.4
W 1190			7.4	7.6
W 1198			7.6	7.4
W 1200	Contd Pg.		10.5	4.5
N.61+00; 0+00 = W 10,450				
0 (Contd from Pg 3)			8.2	6.8
W 6			8.3	6.7
W 8			10.3	4.7
E 100			7.7	7.3
E 200			8.2	6.8
E 300			7.8	7.2
E 400			7.3	7.7
E 500			6.5	8.5
E 600			6.7	8.3
E 700			6.5	8.5

N.61+00 CONTD EAST

Sta	+	H.I	−	Elev
E 800		15.00	6.0	9.0
E 900			6.6	8.4
E 1000			6.6	8.4
E 1060			7.0	8.0
E 1080			13.0	2.0
N.62+00; 0+00 = W 9,410 (Contd from Pg 16)				
0			9.9	5.1
E 24			10.5	4.5
W 4			8.0	7.0
W 100			6.6	8.4
W 200			6.0	9.0
W 300			6.3	8.7
W 400			6.6	8.4
W 500			7.3	7.7
W 600			7.3	7.7
W 700			7.0	8.0
W 780			8.2	6.8
W 788			7.8	7.2
W 790			9.9	5.1

N. 63+00; 0+00 = W. 9950 11-29-56

Sta	+	H.I.	−	Elev	
0	(contd from P9.17)	15.00	9.3	5.7	
E 100			8.6	6.4	
E 200			8.3	6.7	
E 300			8.2	6.8	
E 400			8.2	6.8	
E 438			10.0	5.0	
E 500			10.6	4.4	
E 530			10.6	4.4	Sta W 9920

N. 64+00; 0+00 = W 9,900 (contd from P9.18)

0			11.1	3.9	
E 100			9.7	5.3	
E 200			10.6	4.4	
E 250			10.7	4.3	Sta W 9650
	(contd P9.50)				
					N. 6000 W. 10,000
TBM.			6.70	8.30	8.30 (P9.35)

N. 50+00; 0+00 = W. 9,100 (contd from P9.13) (16)

Sta	+	H.I.	−	Elev	(P9.35) N 5,000 W. 9,000
TBM.	4.25	15.00		10.75	
0	(Indexed		5.6	9.4	
W 35			5.0	10.0	
W 38	(Plotted Roll 25)		10.0	5.0	

N. 52+00; 0+00 = W 9,260 (contd from P9.13)

0	(Indexed)		4.7	10.3	
W 3	(Plotted Roll 25)		4.9	10.1	
W 9			10.3	4.7	
E 100			5.8	9.2	
E 200			5.6	9.4	
E 300			4.9	10.1	
E 400			4.6	10.4	
E 500			5.5	9.5	
E 600			4.8	10.2	
E 700			4.8	10.2	
E 800			3.9	11.1	
E 900			3.7	11.3	
E 1000			4.2	10.8	
E 1100			4.3	10.7	
E 1200			4.1	10.9	
E 1260			3.7	11.3	

N. 54+00; 0+00 = W. 8,000 11-29-56

Sta	+	H.I	−	Elev
0		15.00	4.7	10.3
W 100	(Indeped		4.5	10.5
W 200	(PLOTTED R-25)		5.0	10.0
W 300			4.7	10.3
W 400			4.6	10.4
W 500			4.8	10.2
W 600			5.0	10.0
W 700			5.1	9.9
W 800			6.1	8.9
W 900			5.2	9.8
W 1000			5.5	9.5
W 1100			6.0	9.0
W 1200			6.2	8.8
W 1300			4.8	10.2
W 1400			5.1	9.9
W 1430			5.8	9.2
W 1435			9.3	5.7
W	(Cont'd Pg 14)			

N. 56+00; 0+00 = W. 9480 (Cont'd from Pg 14) (41)

Sta	+	H.I	−	Elev
0		15.00	5.2	9.8
W 5	(Indeped		8.8	6.2
E 100	(PLOTTED R-25)		5.0	10.0
E 200			5.9	9.1
E 300			5.4	9.6
E 400			6.1	8.9
E 500			6.0	9.0
E 600			6.1	8.9
E 700			5.8	9.2
E 800			5.3	9.7
E 900			5.5	9.5
E 1000			5.5	9.5
E 1100			5.7	9.3
E 1200			5.4	9.6
E 1300			5.9	9.1
E 1400			5.7	9.3
E 1480			6.1	8.9

N. 58+00; 0+00 = W. 8,000 11-29-56

Sta	+	H.I.	−	Elev
0		15.00	5.5	9.5
W100	(Indexed		5.6	9.4
W200	= Plotted R-25)		5.9	9.1
W300			5.7	9.3
W400			6.0	9.0
W500			5.7	9.3
W600			6.0	9.0
W700			5.8	9.2
W800			5.5	9.5
W900			6.6	8.4
W1000			6.9	8.1
W1100			5.9	9.1
W1200			6.0	9.0
W1300			6.4	8.6
W1393			6.6	8.4
W1400			8.8	6.2
W1410			10.2	4.8

(Contd. from P9.15)

N. 60+00; 0+00 = W. 9280 (Contd. from P9.15)

Sta	+	H.I.	−	Elev
0		15.00	8.6	6.4
W2			11.7	3.3
E5			6.9	8.1
E100			6.7	8.3
E200			8.0	7.0
E300			7.0	8.0
E400			5.4	9.6
E500			5.5	9.5
E600			5.8	9.2
E700			6.0	9.0
E800			6.0	9.0
E900			6.0	9.0
E1600			6.0	9.0
E1100			5.9	9.1
E1200			6.1	8.9
E1280			5.6	9.4

N. 62+00; 0+00 = W. 8,000 11-29-56

Sta	+	H.I.	-	Elev
0		15.00	7.4	7.6
W 100			6.5	8.5
W 200			6.6	8.4
W 300			6.0	9.0
W 400			6.5	8.5
W 500			6.4	8.6
W 600			6.5	8.5
W 700			6.1	8.9
W 800			6.0	9.0
W 900			5.7	9.3
W 1000			5.4	9.6
W 1100			7.0	8.0
W 1200			6.8	8.2
W 1240			6.6	8.4
W 1248			6.3	8.7
W 1250			10.2	4.8

(contd from Pg. 16)

N. 61+00; 0+00 = W. 9,250

Sta	+	H.I.	-	Elev
0		15.00	7.3	7.7
N 4			7.4	7.6
W 6			10.1	4.9
E 100			7.4	7.6
E 200			6.8	8.2
E 250			5.5	9.5

N. 63+00; 0+00 = W 9,420 O.K.

0			10.6	4.4
E 84			11.8	3.2
E 100			13.3	1.7
E 110			14.3	0.7
E 127			14.1	0.9
E 165			9.1	5.9
E 175			6.7	8.3
E 200			6.4	8.6
E 300			6.1	8.9
E 400			6.4	8.6
E 420			6.1	8.9

N. 64+00; 0+00 = W 9650 11-29-56

Sta	+	H.I.	−	Elev
0 (contd from Pg. 46)		15.00	10.7	4.3
E100			11.4	3.6
E200			12.2	2.8
E230			12.2	2.8
E265			14.5	0.5
E290			14.5	0.5
E300			12.5	2.5
E320			10.0	5.0
E325			7.4	7.6
E400			6.2	8.8
E500			6.5	8.5
E600			5.9	9.1
E700			6.0	9.0
E800			6.1	8.9
E900			6.2	8.8
E1000			6.3	8.7
E1100			6.3	8.7
E1200			6.4	8.6
E1300			6.4	8.6
E1400			7.2	7.8

N. 64+00 CONTD EAST

Sta	+	H.I	−	Elev
E1500		15.00	8.3	6.7
E1600			7.6	7.4
E1650			7.6	7.4
N 66+00; 0+00 = W. 8,000				
0			5.0	10.0
W100			7.6	7.4
W200			7.3	7.7
W300			5.9	9.1
W400			7.0	8.0
W500			6.3	8.7
W600			6.2	8.8
W700			6.8	8.2
W800			6.2	8.8
W900			6.3	8.7
W1000			6.3	8.7
W1100			6.3	8.7
W1200			6.7	8.3
W1300			6.5	8.5
W1400			6.9	8.1
W1500			7.2	7.8

N.66+00 CONTD WEST 11-29-56

Sta	+	H.I.	−	Elev
W1600		15.00	7.5	7.5
W1700			7.1	7.9
W1800			7.8	7.2
W1900			6.9	8.1
W2000			7.8	7.2
N.65+00; 0+00 = W9510				
0			7.1	7.9
W1			10.3	4.7
E100			6.7	8.3
E200			6.9	8.1
E300			6.7	8.3
E400			6.4	8.6
E500			6.2	8.8
E510			6.2	8.8
TP	4.62	13.80	5.82	9.18
N.68+00; 0+00 = W10,000				
0			7.2	6.6
E80			7.4	6.4
E100			9.8	4.0

N.68+00 CONTD EAST

Sta	+	H.I.	−	Elev
E108		13.80	7.6	6.2
E140			8.2	5.6
E150			10.9	2.9
E157			9.1	4.7
E160			7.1	6.7
E200			7.2	6.6
E300			7.1	6.7
E400			7.0	6.8
E500			6.5	7.3
E600			6.0	7.8
E700			5.8	8.0
E800			5.8	8.0
E900			5.2	8.6
E1000			5.1	8.7
E1100			5.5	8.3
E1200			5.3	8.5
E1300			5.6	8.2
E1400			5.6	8.2
E1500			6.8	7.0
E1600			6.6	7.2

N 68+00 CONTD EAST 11-29-56

Sta	+	H.I.	−	Elev	
E1700		13.80	6.4	7.4	
E1800			6.6	7.2	
E1845			6.5	7.3	
E1900			4.8	9.0	
E2000			4.4	9.4	(9.35 N.7000
TBM.			4.50	9.30	W.8000 9.29)
	3.50	12.79			

N.69+00; 0+00 = W.8,000

0			4.2	8.6	
W 100			4.2	8.6	
W 200			5.2	7.6	
W 300			5.5	7.3	
W 400			5.8	7.0	
W 500			6.0	6.8	
W 600			5.3	7.5	
W 700			5.0	7.8	
W 800			4.5	8.3	
W 900			4.4	8.4	
W 1000			5.1	7.7	
W1100			4.5	8.3	

N.69+00 CONTD WEST 12-10-56 (52)

Sta	+	H.I.	−	Elev
W1200		12.79	4.5	8.3
W 1300			4.4	8.4
W 1400			5.5	7.3
W 1500			5.3	7.5
W 1600			5.8	7.0
W 1610			6.1	6.7
W 1613			9.2	3.6
W 1635			7.9	4.9
W 1660			6.3	6.5
W 1700			5.6	7.2
W 1800			5.9	6.9
W 1900			7.1	5.7
W 1917			8.7	4.1
W 2000			7.9	4.9

N. 70+00 : 0+00 = W 10,000 12-10-56

Sta	+	H.I.	−	Elev
	(cont'd W. P9. 68)			
		1279		
0			6.5	6.3
E100			5.8	7.0
E200			6.0	6.8
E300			5.6	7.2
E400			5.4	7.4
E452			5.1	7.7
E462			8.8	4.0
E508			8.8	4.0
E521			5.3	7.5
E600			4.5	8.3
E700			4.8	8.0
E800			5.0	7.8
E900			5.2	7.6
E1000			3.9	8.9
E1100			4.5	8.3
E1200			5.1	7.7
E1300			4.7	8.1
E1400			5.7	7.1
E1500			5.9	6.9
E1600			5.6	7.2

N 70+00 CONTD EAST

Sta	+	H.I.	−	Elev
E1700		12.79	5.5	7.3
E1800			5.1	7.7
E1900			4.5	8.3
E2000			4.3	8.5
N 72+00 : 0+00 = W. 8,000				
0			3.7	9.1
W100			4.0	8.8
W200			4.1	8.7
W300			4.7	8.1
W400			6.0	6.8
W500			5.7	7.1
W600			5.7	7.1
W700			5.6	7.2
W800			5.7	7.1
W900			4.8	8.0
W1000			5.3	7.5
W1100			5.2	7.6
W1200			5.4	7.4
N1300			5.4	7.4
N1400			5.6	7.2

N.72+00 CONTD WEST 12-10-56

Sta	+	H.I.	−	Elev
W1500		12.79	6.4	6.4
W1600			5.7	7.1
W1700			6.6	6.2
W1800			6.6	6.2
W1900			5.9	6.9
W2000			7.4	5.4
N.74+00; 0+00=W10,000				
0 (contd P9.68)			8.5	4.3
E100			7.9	4.9
E200			5.8	7.0
E300			6.0	6.8
E400			5.7	7.1
E500			5.9	6.9
E600			5.9	6.9
E700			6.1	6.7
E800			6.0	6.8
E900			5.8	7.0
E1000			6.2	6.6
E1100			6.1	6.7
E1200			6.5	6.3

N.74+00 CONTD EAST

Sta	+	H.I.	−	Elev
E1300		12.79	6.0	6.8
E1400			6.0	6.8
E1500			5.9	6.9
E1600			6.0	6.8
E1700			4.1	8.7
E1774			4.0	8.8
E1784			9.6	3.2
E1805			9.0	3.8
E1810			4.6	8.2
E1900			4.3	8.5
E2000			4.5	8.3
N.76+00; 0+00=W.8,000				
0			4.3	8.5
W100			4.5	8.3
W200			4.5	8.3
W300			4.4	8.4
W400			4.2	8.6
W424			4.7	8.1
W436			8.7	4.1
W460			8.4	4.4

N. 76+00 CONTD WEST 12-10-56

Sta	+	H.I.	−	Elev
W 472		12.79	5.5	7.3
W 500			5.0	7.8
W 600			5.1	7.7
W 634			5.1	7.7
W 640			9.0	3.8
W 660			8.0	4.8
W 667			6.2	6.6
W 700			5.4	7.4
W 800			5.2	7.6
W 900			5.7	7.1
W 1000			6.4	6.4
W 1100			5.6	7.2
W 1200			5.0	7.8
W 1300			5.8	7.0
W 1400			5.9	6.9
W 1500			5.9	6.9
W 1600			6.6	6.2
W 1700			6.7	6.1
W 1800			6.7	6.1
W 1900			6.3	6.5
W 2000	(contd W. P969)		6.4	6.4

N. 78+00; 0+00 = N. 10,000

Sta	+	H.I.	−	Elev
(contd W. P969)				
0		12.79	6.8	6.0
E 100			7.2	5.6
E 200			5.7	7.1
E 300			6.0	6.8
E 400			5.9	6.9
E 500			5.6	7.2
E 600			5.5	7.3
E 700			5.8	7.0
E 800			5.3	7.5
E 900			5.2	7.6
E 1000			4.9	7.9
E 1100			5.3	7.5
E 1200			6.1	6.7
E 1300			6.2	6.6
E 1400			4.2	8.6
E 1465			4.9	7.9
E 1480			9.0	3.8
E 1500			8.8	4.0
E 1532			8.8	4.0
E 1535			4.6	8.2

N.78+00 CONTD EAST 12-10-56

Sta	+	H.I.	-	Elev	
E1600		12.79	5.2	7.6	
E1700			4.9	7.9	
E1800			4.6	8.2	
E1900			4.5	8.3	
E2000			4.6	8.2	N.8,000 W.8,000
TBM.			4.62	8.17	~8.17

N.63+00; 0+00 = W.10,480 (Contd from Pg 11)

TBM.	5.10	11.82		6.72	N.8,000 W.11,000 (M.B. 50 Pg)
0			4.3	7.5	
E11			4.6	7.2	
E17			7.4	4.4	
W100			4.3	7.5	
W200			4.0	7.8	
W300			4.1	7.7	
W400			4.9	6.9	
W500			5.0	6.8	
W600			5.2	6.6	
W700			6.9	4.9	
W790			7.0	4.8	

N.64+00; 0+00 = W 11,400 (Contd from Pg 6) (56)

Sta	+	H.I.	-	Elev
0		11.82	7.3	4.5
E100			7.2	4.6
E200			5.9	5.9
E300			5.3	6.5
E400			4.9	6.9
E500			4.5	7.3
E600			4.8	7.0
E700			4.4	7.4
E730			4.7	7.1
E736			6.0	5.8
E800			5.8	6.0
E872			6.9	4.9
E891			5.0	6.8
E900			4.8	7.0
E1000			5.1	6.7
E1100			5.0	6.8
E1200			4.7	7.1
E1250			4.9	6.9
E1280			8.0	3.8

N. 65+00 ; 0+00 = W 10,000 12-10-56

Sta	+	H.I	−	Elev
0		11.82	4.8	7.0
E 20			7.5	4.3
W 100			4.9	6.9
W 200			4.6	7.2
W 300			5.7	6.1
W 400			5.2	6.6
W 500			4.7	7.1
W 600			4.9	6.9
W 700			5.0	6.8
W 800			6.3	5.5
W 832			6.5	5.3
W 842			5.2	6.6
W 900			5.3	6.5
W 1000			4.2	7.6
W 1100			5.0	6.8
W 1200			5.9	5.9
W 1300			6.3	5.5
W 1400			6.5	5.3
W 1500			7.3	4.5

(Contd from Pg 7)

N. 66+00 ; 0+00 = W 11,600 (Contd from Pg 8) (57)

Sta	+	H.I	−	Elev
0		11.82	7.8	4.0
E 100			6.5	5.3
E 200			6.5	5.3
E 300			4.8	7.0
E 400			5.1	6.7
E 500			4.8	7.0
E 600			4.6	7.2
E 700			5.2	6.6
E 706			6.7	5.1
E 709			6.8	5.0
E 727			6.7	5.1
E 732			4.8	7.0
E 800			4.8	7.0
E 900			5.9	5.9
E 1000			5.6	6.2
E 1100			5.0	6.8
E 1200			6.3	5.5
E 1300			5.0	6.8
E 1400			5.1	6.7
E 1500			4.9	6.9

N 66+00 CONTD EAST 12-10-56

Sta	+	H.I.	−	Elev	
E 1600		11.82	4.6	7.2	
TP	3.60	12.22	3.20	8.62	N 6,600 W 10,000
N 67+00; 0+00 = W. 10,000 (Contd from pg. 8)					
0			5.9	6.3	
W 100			5.5	6.7	
W 200			5.8	6.4	
W 300			6.5	5.7	
W 395			5.0	7.2	
W 407			7.3	4.9	
W 423			7.5	4.7	
W 428			5.4	6.8	
W 500			5.6	6.6	
W 600			5.0	7.2	
W 700			5.2	7.0	
W 760			6.5	5.7	
W 800			6.4	5.8	
W 900			5.4	6.8	
W 906			6.7	5.5	
W 936			7.5	4.7	
W 947			5.4	6.8	

N 67+00 CONTD WEST 12-11-56 (58)

Sta	+	H.I.	−	Elev
W 1000		12.22	5.1	7.1
W 1100			5.3	6.9
W 1200			5.2	7.0
W 1300			5.6	6.6
W 1400			5.8	6.4
W 1500			6.7	5.5
W 1600			7.1	5.1
W 1680			8.0	4.2
N 68+00; 0+00 = W 11,750 (Contd from pg. 9)				
0			7.8	4.4
E 100			7.8	4.4
E 200			6.3	5.9
E 272			7.7	4.5
E 288			6.2	6.0
E 300			6.3	5.9
E 400			6.0	6.2
E 500			6.2	6.0
E 600			5.6	6.6
E 700			5.8	6.4
E 744			5.4	6.8

N 68+00 CONTD EAST 12-11-56

Sta	+	H.I	-	Elev
E 752		12.22	7.3	4.9
E 758			7.4	4.8
E 765			6.1	6.1
E 800			5.4	6.8
E 900			6.5	5.7
E 1000			5.6	6.6
E 1100			6.2	6.0
E 1200			5.0	7.2
E 1296			4.9	7.3
E 1309			6.2	6.0
E 1316			8.8	3.4
E 1331			8.7	3.5
E 1360			5.4	6.8
E 1400			5.4	6.8
E 1500			6.4	5.8
E 1521			6.4	58
E 1532			7.6	4.6
E 1537			6.1	6.1
E 1600			5.4	6.8
E 1700			5.2	7.0
E 1750			5.6	6.6

N 69+00 ; 0+00 = W 10,110

Sta	+	H.I.	-	Elev
0		12.22	7.2	5.0
W 30			5.7	6.5
W 100			5.8	6.4
W 200			5.9	6.3
W 220			8.9	3.3
W 252			9.0	3.2
W 260			5.5	6.7
W 304			5.7	6.5
W 310			8.2	4.0
W 370			6.1	6.1
W 376			7.8	4.4
W 397			8.0	4.2
W 407			5.3	6.9
W 500			5.2	7.0
W 600			5.8	6.4
W 700			5.6	6.6
W 800			6.4	5.8
W 900			5.6	6.6
W 930			56	6.6
W 943			7.4	4.8

N69+00 CONTD WEST 12-11-56

Sta	+	H.I.	-	Elev
W 957		12.22	7.6	4.6
W 963			5.5	6.7
W 1000			6.0	6.2
W 1100			5.8	6.4
W 1200			5.3	6.9
W 1300			5.8	6.4
W 1400			5.8	6.4
W 1424			6.5	5.7
W 1431			8.2	4.0
W 1500			7.8	4.4
W 1590	(Contd from P99)		8.2	4.0

N.70+00; 0+00 = W 11,700 (Contd from P99)

0			9.0	3.2
E 100			8.2	4.0
E 107			8.3	3.9
E 116			6.2	6.0
E 200			5.7	6.5
E 300			5.4	6.8
E 400			6.1	6.1
E 500			5.9	6.3

N.70+00 CONTD EAST

Sta	+	H.I.	-	Elev	
E 557		12.22	6.2	6.0	
E 562			7.4	4.8	
E 570			7.6	4.6	
E 575			6.2	6.0	
E 600			6.5	5.7	
E 700			6.2	6.0	
E 800			6.5	5.7	
E 900			6.3	5.9	
E 1000			5.4	6.8	
E 1100			5.8	6.4	
E 1192			5.6	6.6	
E 1200			6.0	6.2	
E 1252			9.2	3.0	
E 1300			9.1	3.1	
E 1319			7.0	5.2	
E 1400			5.7	6.5	
E 1500			5.9	6.3	
E 1590			6.2	6.0	W 10,110

N. 71+00; 0+00 = W 10,080 12-11-56

Sta	+	H.I	-	Elev
0		12.22	6.6	5.6
E 7			7.2	5.0
E 12			9.8	2.4
W 100			6.0	6.2
W 200			6.0	6.2
W 300			6.5	5.7
W 318			6.7	5.5
W 327			9.3	2.9
W 344			9.5	2.7
W 362			6.6	5.6
W 400			7.0	5.2
W 500			5.6	6.6
W 600			5.4	6.8
W 700			5.4	6.8
W 800			6.4	5.8
W 813			6.8	5.4
W 839			7.6	4.6
W 847			5.5	6.7
W 900			6.0	6.2
W 1000			6.2	6.0

N. 71+00 CONTD WEST

Sta	+	H.I.	-	Elev
W 1100		12.22	6.4	5.8
W 1127			5.6	6.6
W 1133			7.5	4.7
W 1142			7.5	4.7
W 1152			5.9	6.3
W 1200			6.5	5.7
W 1300			6.6	5.6
W 1400			5.9	6.3
W 1500			5.8	6.4
W 1560			6.1	6.1
W 1580			9.4	2.8
W 1600			7.9	4.3
W 1610 (contd from Pg 10)			8.8	3.4
N. 72+00; 0+00 = W			11,670	(contd from Pg. 11)
0			5.4	6.8
W 8			6.0	6.2
W 10			7.5	4.7
E 100			6.0	6.2
E 170			7.6	4.6
E 200			7.3	4.9

N 72+00 CONTD EAST 12-11-56

Sta	+	H.I.	-	Elev
E 300		1222	6.8	5.4
E 366			6.1	6.1
E 373			7.9	4.3
E 380			7.8	4.4
E 388			6.1	6.1
E 400			6.7	5.5
E 500			6.6	5.6
E 600			6.2	6.0
E 700			6.5	5.7
E 763			5.5	6.7
E 771			7.5	4.7
E 776			7.6	4.6
E 780			6.4	5.8
E 800			7.0	5.2
E 900			5.8	6.4
E 1000			5.7	6.5
E 1100			6.6	5.6
E 1154			6.2	6.0
E 1159			7.7	4.5
E 1164			7.7	4.5

N 72+00 CONTD EAST

Sta	+	H.I	-	Elev	
E 1168		12.22	6.8	5.4	
E 1200			7.3	4.9	
E 1235			7.0	5.2	
E 1251			9.8	2.4	
E 1268			9.6	2.6	
E 1288			7.0	5.2	
E 1300			6.5	5.7	
E 1400			7.0	5.2	
E 1500			6.4	5.8	
E 1540			6.8	5.4	
E 1548			6.8	5.4	
E 1560			9.6	2.6	W 10,110
N 73+00; 0+00 = W 10,180					
0			7.0	5.2	
E 10			9.0	3.2	
W 100			7.1	5.1	
W 195			7.6	4.6	
W 204			9.4	2.8	
W 230			9.7	2.5	
W 243			7.2	5.0	

N.73+00 CONTD WEST 12-11-56

Sta	+	H.I.	−	Elev
W 300		12.22	6.2	6.0
W 343			6.1	6.1
W 361			7.5	4.7
W 371			6.5	5.7
W 400			6.6	5.6
W 500			6.1	6.1
W 600			6.0	6.2
W 671			5.6	6.6
W 681			7.3	4.9
W 703			7.7	4.5
W 715			6.1	6.1
W 800			6.2	6.0
W 900			6.3	5.9
W 1000			6.1	6.1
W 1100			6.7	5.5
W 1198			8.0	4.2
W 1199			9.2	3.0
W 1200			8.0	4.2
W 1300			7.1	5.1
W 1340			7.9	4.3

N.73+00 CONTD WEST

Sta	+	H.I.	−	Elev
W 1400		12.22	7.0	5.2
W 1500			5.6	6.6
W 1538			6.2	6.2
W 1540	(contd from Pg 11)		7.6	4.6
N.74+00 ; 0+00 = W 11,750				(contd from MB94 Pg 13)
0			5.8	6.4
W 19			6.2	6.0
W 20			8.1	4.1
E 100			6.1	6.1
E 200			8.1	4.1
E 300			7.1	5.1
E 312			7.8	4.4
E 314			9.7	2.5
E 318			7.9	4.3
E 400			6.8	5.4
E 500			6.5	5.7
E 600			6.4	5.8
E 700			6.1	6.1
E 800			6.3	5.9
E 880			7.4	4.8

N74+00 CONTD EAST 12-11-56

Sta	+	H.I.	−	Elev
E883		12.22	8.8	3.4
E887			8.6	3.6
E890			7.6	4.6
E905			5.7	6.5
E1000			6.1	6.1
E1100			6.7	5,5
E1170			7.8	4.4
E1200			6.5	5.7
E1300			6.3	5.9
E1342			6.0	6.2
E1366			9.6	2.6
E1380			10.4	1.8
E1406			9.7	2.5
E1420			7.6	4.6
E1500			7.4	4.8
E1520			9.6	2.6

N.75+00; 0+00=W 10,350

Sta	+	H.I.	−	Elev.
0		12.22	6.5	5,7
E3			8.1	4.1
E10			8.7	3.5
W100			6.5	5.7
W200			6.1	6.1
W270			7.7	4.5
W300			7.2	5.0
W400			6.9	5,3
W473			5.4	6.8
W490			8.0	4.2
W497			8.0	4.2
W515			6.7	5.5
W600			5.9	6.3
W700			5,7	6.5
W800			5.8	6.4
W900			6.8	5.4
W1000			6.5	5.7
W1100			7.2	5.0
W1190			8.4	3,8
W1192			9.8	2.4

N.75+00 CONTD WEST 12-11-56

Sta	+	H.I.	−	Elev
W1197		12.22	10.0	2.2
W1200			8.1	4.1
W1231			7.6	4.6
W1240			9.6	2.6
W1248			8.0	4.2
W1300			7.4	4.8
W1400			6.0	6.2
W1450			6.1	6.1
W1469			5.9	6.3
W1472 (Cont'd from MB94, PG13)			8.1	4.1
N.76+00; 0+00 = W11,870 (Cont'd MB94 PG12)				
0			6.1	6.1
W4			6.1	6.1
W6			8.4	3.8
E100			6.2	6.0
E204			8.4	3.8
E206			10.0	2.2
E210			10.1	2.1
E220			7.3	4.9
E300			7.0	5.2

N.76+00 CONTD EAST

Sta	+	H.I.	−	Elev
E400		12.22	6.6	5.6
E500			7.0	5.2
E600			6.2	6.0
E700			5.7	6.5
E800			6.2	6.0
E900			6.3	5.9
E1000			6.1	6.1
E1030			6.4	5.8
E1053			8.4	3.8
E1074			9.0	3.2
E1080			7.4	4.8
E1100			7.3	4.9
E1210			7.3	4.9
E1300			6.6	5.6
E1400			6.4	5.8
E1500			6.5	5.7
E1520			7.0	5.2
E1550			9.[illegible]	3.2

N.77+00; 0+00 = W 10,370 12-11-56

Sta	+	H.I.	−	Elev
0		12.22	7.0	5.2
E30			9.6	2.6
W100			7.2	5.0
W200			6.3	5.9
W300			6.5	5.7
W400			7.4	4.8
W422			9.0	3.2
W440			9.0	3.2
W453			7.6	4.6
W500			6.2	6.0
W600			6.1	6.1
T.B.M.	4.98	11.70	5.52	6.70 ~ 6.72
W700			5.7	6.0
W800			5.6	6.1
W900			5.5	6.2
W1000			5.6	6.1
W1100			6.3	5.4
W1200			6.4	5.3
W1300			6.4	5.3
W1383			7.6	4.1

N.77+00 CONTD WEST

Sta	+	H.I.	−	Elev
W1387		11.70	9.7	2.0
W1392			9.8	1.9
W1394			8.1	3.6
W1400			8.0	3.7
W1500			6.2	5.5
W1590			5.6	6.1
W1593			7.5	4.2
W1630	(Contd from MB94, Pg12)		11.1	0.6

N.78+00; 0+00 = W.12,000

0			5.7	6.0
E100			5.7	6.0
E188			7.3	4.4
E190			10.0	1.7
E200			9.3	2.4
E210			7.5	4.2
E300			6.9	4.8
E400			6.6	5.1
E500			6.0	5.7
E600			6.1	5.6
E700			5.7	6.0

N.78+00 CONTD EAST 12-11-56

Sta	+	H.I.	-	Elev
E800		11.70	5.9	5.8
E900			5.7	6.0
E1000			6.0	5.7
E1100			5.8	5.9
E1200			7.6	4.1
E1265			7.0	4.7
E1300			6.3	5.4
E1400			5.7	6.0
E1446			6.6	5.1
E1500			6.8	4.9
E1600			6.2	5.5
E1602			6.3	5.4
E1610			8.3	3.4
N.79+00; 0+00 = W 10,450				
0			7.0	4.7
E10			9.5	2.2
W100			6.9	4.8
W200			6.7	5.0
W300			7.0	4.7
W390			7.5	4.2

N.79+00 CONTD WEST

Sta	+	H.I.	-	Elev	
W396		11.70	8.8	2.9	
W400			9.3	2.4	
W402			7.3	4.4	
W500			6.0	5.7	
W600			5.7	6.0	
W700			5.7	6.0	
W800			5.6	6.1	
W900			5.7	6.0	
W1000			6.3	5.4	
W1100			6.0	5.7	
W1200			6.5	5.2	
W1300			7.2	4.5	
W1377			7.2	4.5	
W1385			9.1	2.6	
W1402			9.3	2.4	
W1410			7.3	4.4	
W1500			5.8	5.9	
W1550			5.7	6.0	N.8,000 W.12,000
TBM.			4.70	7.00 ~ 7.00	

N. 70+00; 0+00 = W. 10,000 12-12-56

Sta	+	H.I.	−	Elev	
					(P958) N. 6,600
TBM.	3.08	11.70		8.62	W. 10,000
0			5.4	6.3	
W 40			6.2	5.5	stk W10,040
W 50			8.2	3.5	
N. 71+00; 0+00 = W. 10,000					
0			6.4	5.3	
W. 6			6.2	5.5	
W. 20			9.6	2.1	
N. 72+00; 0+00 = W. 10,000					
0			6.3	5.4	
W. 32			7.6	4.1	
W 50			10.1	1.6	
N. 73+00; 0+00 = W. 10,000					
0			6.6	5.1	
W 26			7.2	4.5	
W 34			9.7	2.0	
W 60			7.5	4.2	
W 76			7.7	4.0	
W 90			9.1	2.6	stk. W 10,090

N. 74+00; 0+00 = W. 10,000

Sta	+	H.I.	−	Elev	
0		11.70	7.4	4.3	
W 50			8.4	3.3	
W 80			6.2	5.5	
W 100			6.7	5.0	stk W10,100
W 130			8.9	2.8	
N. 75+00; 0+00 = W. 10,000					
0			6.8	4.9	
W 16			7.2	4.5	
W 20			9.2	2.5	
W 25			9.2	2.5	
W 38			6.9	4.8	
W 100			6.8	4.9	
W 145			7.2	4.5	
W 150			8.6	3.1	stk W10,150

N. 76+00; 0+00 = W. 10,000 12-12-56

Sta	+	H.I.	-	Elev	
0		11.70	5.3	6.4	
W 65			6.2	5.5	
W 78			9.5	2.2	
W 114			9.5	2.2	
W 160			7.4	4.3	
W 200			7.3	4.4	
W 247			7.1	4.6	
W 250			7.9	3.8	stk W10250

N. 77+00; 0+00 = W. 10,000

0			5.4	6.3	
W 100			5.1	6.6	
W 156			6.4	5.3	
W 170			9.0	2.7	stk. W10170

N. 78+00; 0+00 = W. 10,000 (69)

Sta	+	H.I.	-	Elev	
0		11.70	5.7	6.0	
W 100			5.6	6.1	
W 200			6.6	5.1	
W 230			6.6	5.1	
W 250			8.8	2.9	stk. W10,250

N. 79+00; 0+00 = W. 10,000

0			5.7	6.0	
W 100			5.6	6.1	
W 140			7.4	4.3	
W 200			6.0	5.7	
W 300			6.8	4.9	
W 317			7.0	4.7	
W 330			8.8	2.9	stk. W10330
					~~N. 8,000~~ W. 10,000
TBM.			5.45	6.25 ~ 6.28	

12-18-56

N. 69+00; 0+00 = W10,110; SOUND EAST

Dist	Sound	Elev
0+00	2.2	+5.0
(7.2)	3.1	+4.1
9:25	4.5	+2.7
	5.2	+2.0
	5.4	+1.8
50	5.3	+1.9
	5.2	+2.0
	5.0	+2.2
	4.8	+2.4
9:30	4.8	+2.4
1+00	4.8	+2.4
	4.4	+2.8

N. 70+00; 0+00 = W10110 SOUND EAST

Dist	Sound	Elev
0+00	1.1	+6.0
(7.1)	4.5	+2.6
9:35	5.1	+2.0
	5.2	+1.9
	5.3	+1.8
50	5.0	+2.1
	3.4	+3.7
	3.6	+3.5
1+00		

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N. 71+00; 0+00 = W 10080; SOUND EAST

Dist	Sound	Elev
0+00	1.5	+5.6
(7.1)	4.0	+3.1
9:37	5.1	+2.0
	5.5	+1.6
	5.5	+1.6
50	5.3	+1.8
	4.9	+2.2
	2.7	+4.4
	1.8	+5.3
1+00		

N. 72+00; 0+00 = W 10,130 SOUND EAST

Dist	Sound	Elev
0+00	1.7	+5.4
(7.1)	2.0	+5.1
9:40	4.2	+2.9
	5.1	+2.0
	5.2	+1.9
50	5.5	+1.6
	5.6	+1.5
	5.5	+1.6
	5.3	+1.8
	4.9	+2.2
1+00	2.9	+4.2
	2.3	+4.8
	2.0	+5.1
	1.7	+5.4

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N. 73+00; 0+00 = W 10,180; SOUNDEAST

Dist	Sound	Elev
0+00	1.9	+5.2
(7.1)	3.5	+3.6
9:46	4.5	+2.6
	5.0	+2.1
	5.8	+1.3
50	5.5	+1.6
	5.0	+2.1
	5.1	+2.0
	5.0	+2.0
	4.5	+2.6
1+00		

N. 74+00; 0+00 = W. 10,250; SOUNDEAST

Dist	Sound	Elev
0+00	2.2	+4.8
(7.0)	2.5	+4.5
9:52	3.5	+3.5
	4.3	+2.7
	4.9	+2.1
50	4.9	+2.1
	5.1	+1.9
	5.3	+1.7
	5.3	+1.7
	5.2	+1.8
1+00	4.7	+2.3
	4.1	+2.9
	4.0	+3.0
	3.8	+3.2
	3.0	+4.0
50	2.0	+5.0

12-18-56

N.75+00; 0+00 = W.10,350; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	1.1	+5.7		4.0	+2.8
(6.8)	3.3	+3.5	2+00	3.0	+3.8
9:58	4.0	+2.8			
	4.5	+2.3			
	4.9	+1.9			
50	4.1	+2.7			
	4.0	+2.8			
	4.1	+2.7			
	4.3	+2.5			
	4.8	+2.0			
1+00	5.0	+1.8			
	5.1	+1.7			
	5.3	+1.5			
	5.3	+1.5			
	5.1	+1.7			
50	4.9	+1.9			
	4.8	+2.0			
	4.2	+2.6			
	4.1	+2.7			

N.76+00; 0+00 = W10,350; SOUND EAST

Dist	Sound	Elev
0+00	1.4	+5.4
(6.8)	2.2	+4.6
10:03	2.8	+4.0
	4.0	+2.8
	4.9	+1.9
50	5.1	+1.8
	5.4	+1.4
	5.5	+1.3
	5.4	+1.4
	5.1	+1.7
1+00	3.0	+3.8

12-18-56

N. 77+00; 0+00 = W 10,370; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	1.5	+5.2		4.2	+2.5
(6.7)	2.2	+4.5	2+00	4.0	+2.7
10:08	3.3	+3.4			
	3.9	+2.8			
	4.4	+2.3			
50	4.8	+1.9			
	5.2	+1.5			
	5.7	+1.0			
	5.4	+1.3			
	5.0	+1.7			
1+00	4.3	+2.4			
	2.5	+4.2			
	1.8	+4.9			
	2.6	+4.1			
	3.9	+2.8			
50	4.2	+2.5			
	4.6	+2.1			
	4.8	+1.9			
	4.6	+2.1			

N. 78+00; 0+00 = W 10,400; SOUND EAST

Dist	Sound	Elev
0+00	1.1	+5.5
(6.6)	3.0	+3.6
10:16	4.0	+2.6
	4.9	+1.7
	5.2	+1.4
50	5.5	+1.1
	5.5	+1.1
	5.2	+1.4
	5.1	+1.5
	4.7	+1.9
1+00	4.9	+1.7
	4.9	+1.7
	5.0	+1.6
	5.0	+1.6
	4.2	+2.4
50	3.7	+2.9

12-18-56

N. 79+00; 0+00 = W10,450; SOUNDEAST

Dist	Sound	Elev
0+00	1.8	+4.7
(6.5)	2.5	+4.0
10,20	4.1	+2.4
	4.8	+1.7
	5.4	+1.1
50	5.0	+1.5
	4.9	+1.6
	4.8	+1.7
	4.9	+1.6
	5.0	+1.5
1+00	4.6	+1.9
	4.3	+2.2
	3.6	+2.9

N 8000 W 8000 El. 8.17
N 9000 W 10,000 El. 5.58
N 9000 W 9000 El. 5.97
N 9600 W 9000 El. 5.53
N 9000 W 8000 El. 6.23
N 8000 W 10000 El. 6.28
N 8500 W 10000 El. 6.86
N 9700 W 10000 El. 5.88

-10.75

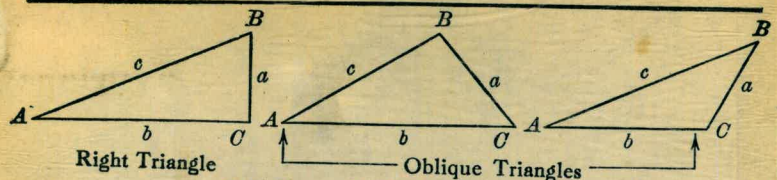
15.63
TP 4.87
10.76~

N 8, W 10, 6.28
N 8 W 11 6.72
N 8 W 12 7.00

N 67, W11680 P-8
N. 68 - W11,750 P.9

- N. 69 - W 10,110 - 1590 - N 69 - W 11,700 P.9
- N 70 - W 10,110 - 1590 - N 70 - W 11,700 P10
N 71 - W 10,080 - 1 610 - N 71 - W 11,690 P-10
N 72 - W 10,130 - 1540 - N 72 - W 11,670 P-11
N 73 - W 10,180 - 1540 - N 73 - W 11,720 P-11
N 74 - W 10,250 - 1500 - N 74 - W 11,750 P-13 (94)
N 75 - W 10,350 - 1450 - N 75 - W 11,800 P-13 (94)
N 76 - W 10,350 - 1520 - N 76 - W 11,870 P-12 (94)
N 77 - W 10,370 - 1630 - N 77 - W 12000 P-12 (94)
N 78 - W 10,400 - 1 ~~670~~ 550 - N 78 - W 12,000 (P-11 (94)
N 79 - W 10,450 - ~~1720~~ - N 79 - W 12000 (P-11 (94)

TRIGONOMETRIC FORMULÆ



Solution of Right Triangles

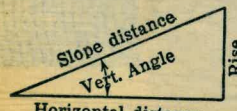
For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\operatorname{cosec} = \frac{c}{a}$

Given	Required	
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	$B = 90° - A, b = a \cot A, c = \frac{a}{\sin A}$
A, b	B, a, c	$B = 90° - A, a = b \tan A, c = \frac{b}{\cos A}$
A, c	B, a, b	$B = 90° - A, a = c \sin A, b = c \cos A,$

Solution of Oblique Triangles

Given	Required	
A, B, a	b, c, C	$b = \frac{a \sin B}{\sin A}, C = 180° - (A + B), c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a}, C = 180° - (A + B), c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180° - C, \tan \frac{1}{2}(A - B) = \frac{(a-b)\tan \frac{1}{2}(A+B)}{a+b}, c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a+b+c}{2}, \sin \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{bc}}, \sin \frac{1}{2}B = \sqrt{\frac{(s-a)(s-c)}{ac}}, C = 180° - (A+B)$
a, b, c	Area	$s = \frac{a+b+c}{2}$, area $= \sqrt{s(s-a)(s-b)(s-c)}$
A, b, c	Area	area $= \frac{bc \sin A}{2}$
A, B, C, a	Area	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° 10′ = .9959. Horizontal distance = 319.4 × .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. Cosine 5° 10′ = .9959. 1 — .9959 = .0041. 319.4 × .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.

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