

MICROFILMED
JAN 8 1965

8960
1659

73 01

NB 102

THIS BOOK INDEXED 2/8/62

PAGES

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DATE

1-9 BASELINE & COORD. DATA NELY AREA MISSION BAY 12-27-57

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31-78 SOUNDINGS SHOAL AREAS MISSION BAY 4-14-58

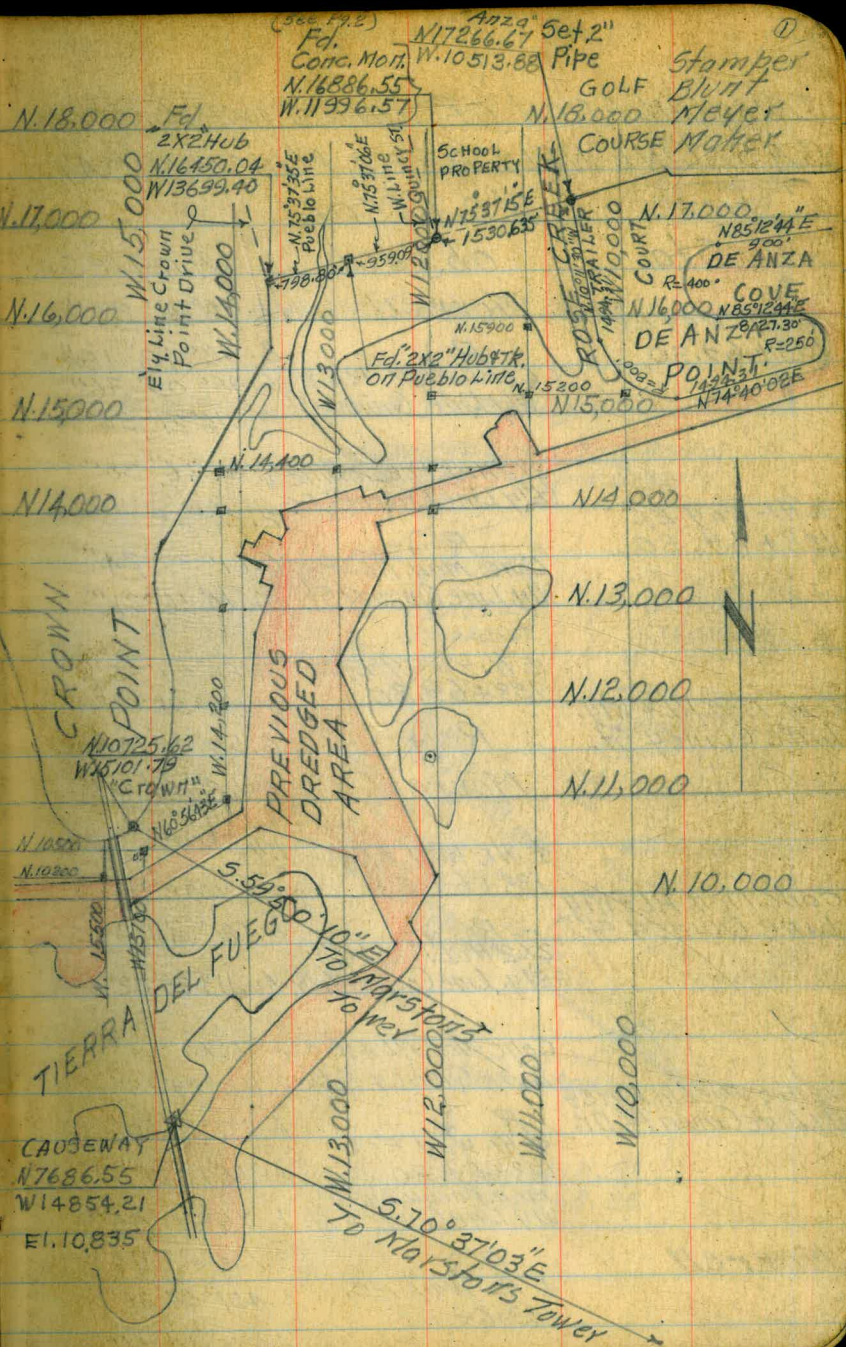
BASELINE LAYOUT FOR X-SEC. 5. &
SOUNDINGS OF N'ELY. AREA MISSION BAY
W.O. 64501

NOTE: For NWLY. Area Layout See
M.B.F.B. No 97

N.	W.	B/L Dist	Bearing
N. 11000.00	W. 142+00	114.396	N. 60° 56' 43"
N. 10944.44	W. 143+00	"	"
N. 10888.89	W. 144+00	"	"
N. 10833.33	W. 145+00	"	"
N. 10777.78	W. 146+00	"	"
N. 10722.22	W. 147+00	"	"
N. 10666.66	W. 148+00	"	"
N. 10611.11	W. 149+00	"	"
N. 10555.55	W. 150+00	"	"
N. 10500.00	W. 151+00	"	"
N. 10444.44	W. 152+00	"	"
N. 10388.89	W. 153+00	"	"
N. 10333.33	W. 154+00	114.396	N. 60° 56' 43"

89-59-60
60-56-43
29.03 17
82
119.03

38.576 U.S. C&G S
Balf. Pt.



TRIANGULATION OF SHORELINE CONTROL
BASELINE NELY AREA, MISSION BAY

W.O. 64501

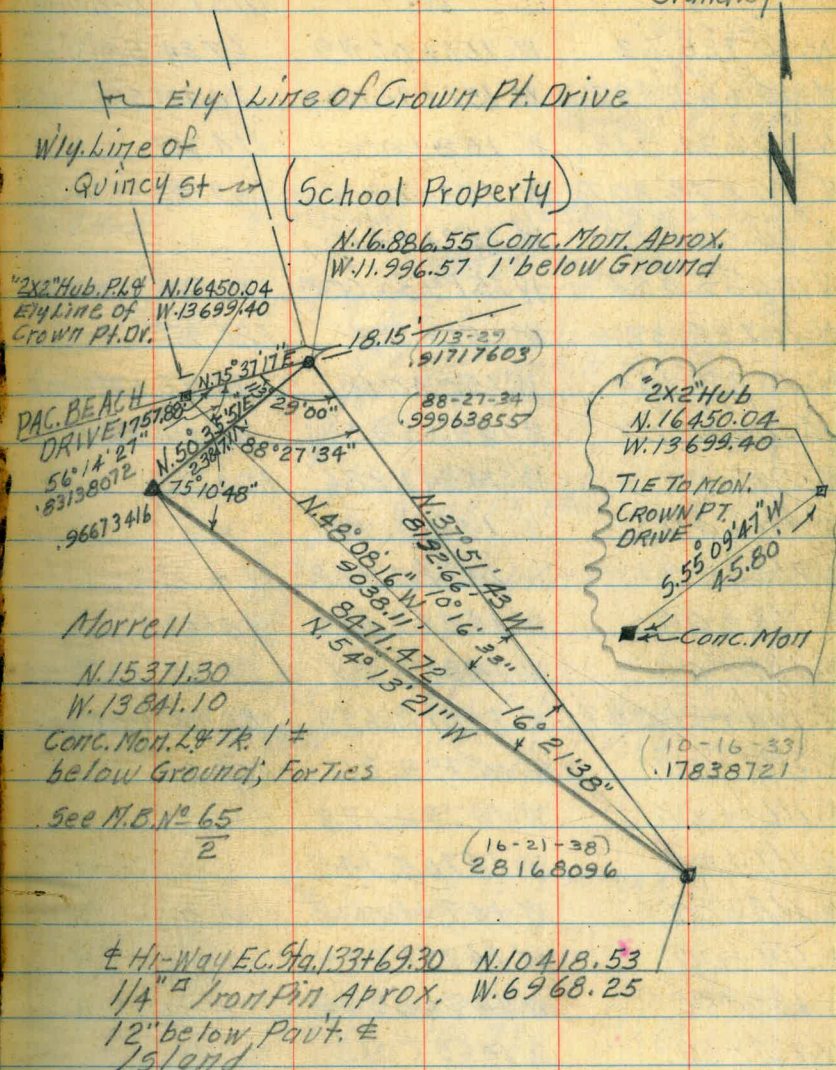
Sta	object	Angles
	Morrell	1. 16° 21' 20"
± HI-WAY E.C. 133+69.30	R ↓ CONC. MOT. P.L. & WLY LINE QUINCY ST.	2. 32° 43' 15" 6. 98° 09' 36" AV. 16° 21' 36"
	"2x2" Hub. Pueblo Line & Ely Line Crown Pt. Dr.	1. 10° 16' 30" 2. 20° 33' 05"
± HI-WAY E.C. 133+69.30	R ↓ CONC. MOT. P.L. & WLY LINE QUINCY ST.	6. 61° 39' 24" AV. 10° 16' 34"
± HI-WAY E.C. 133+69.30	Morrell	1. 88° 27' 35" 2. 176° 55' 00" 6. 53° 45' 12" AV. 88° 27' 32"
CONC. MOT. P.L. & WLY. LINE QUINCY ST.	R ↓	1. 113° 29' 2. 226° 58' 15" 6. 680° 54' 12" AV. 113° 29' 02"
"2x2" Hub. Pueblo Line & Ely Line Crown Pt. Dr.	R ↓	CONC. MOT. P.L. & WLY LINE QUINCY ST. 1. 56° 14' 50" 2. 112° 29' 15" 6. 337° 26' 50" AV. 56° 14' 28"
Morrell	R ↓	± HI-WAY E.C. 133+69.30 MOT. PUEBLO LINE & WLY LINE QUINCY ST. 1. 75° 11' 05" 2. 150° 21' 40" ± HI-WAY E.C. 133+69.30 6. 451° 04' 36" AV. 75° 10' 46"

Ref. F.B. No. 1723; M.B. No. 90 11-25-57
38

Map. Miss. Bay No. 2-1-82.6

F.B. No. M.B. 77
26

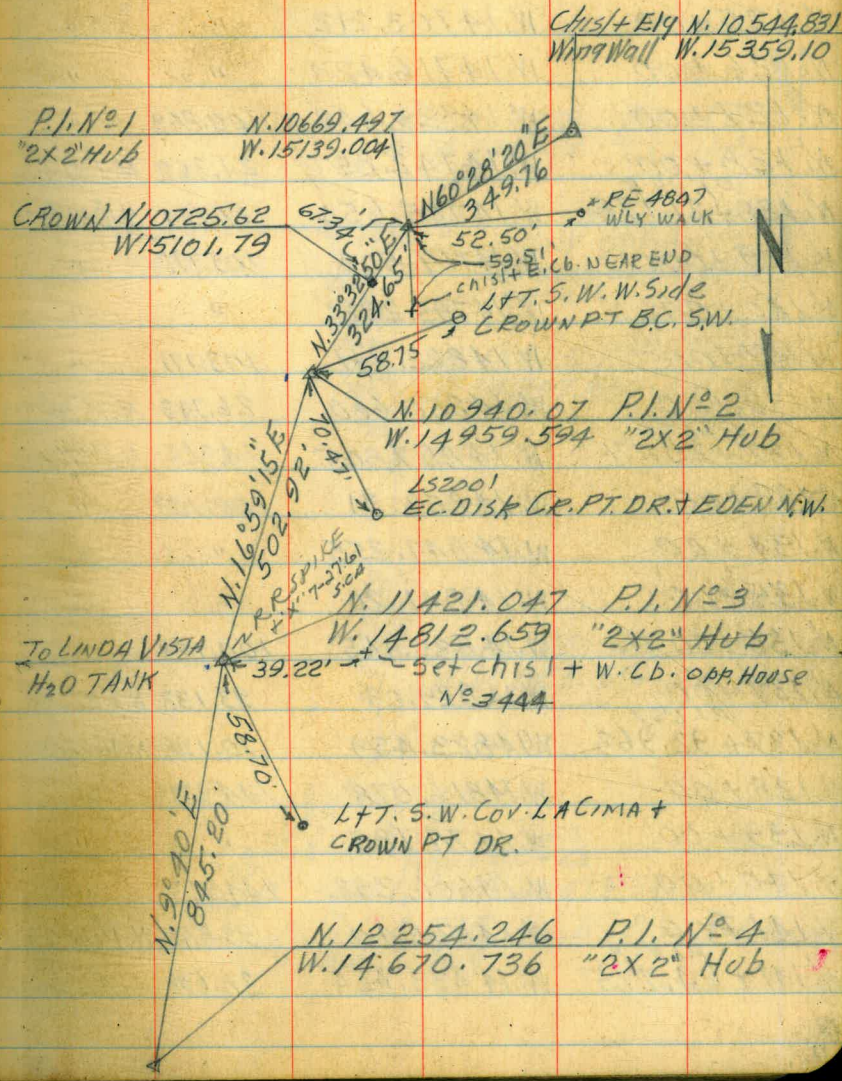
Stamper
Blunt
Elmore
Standley



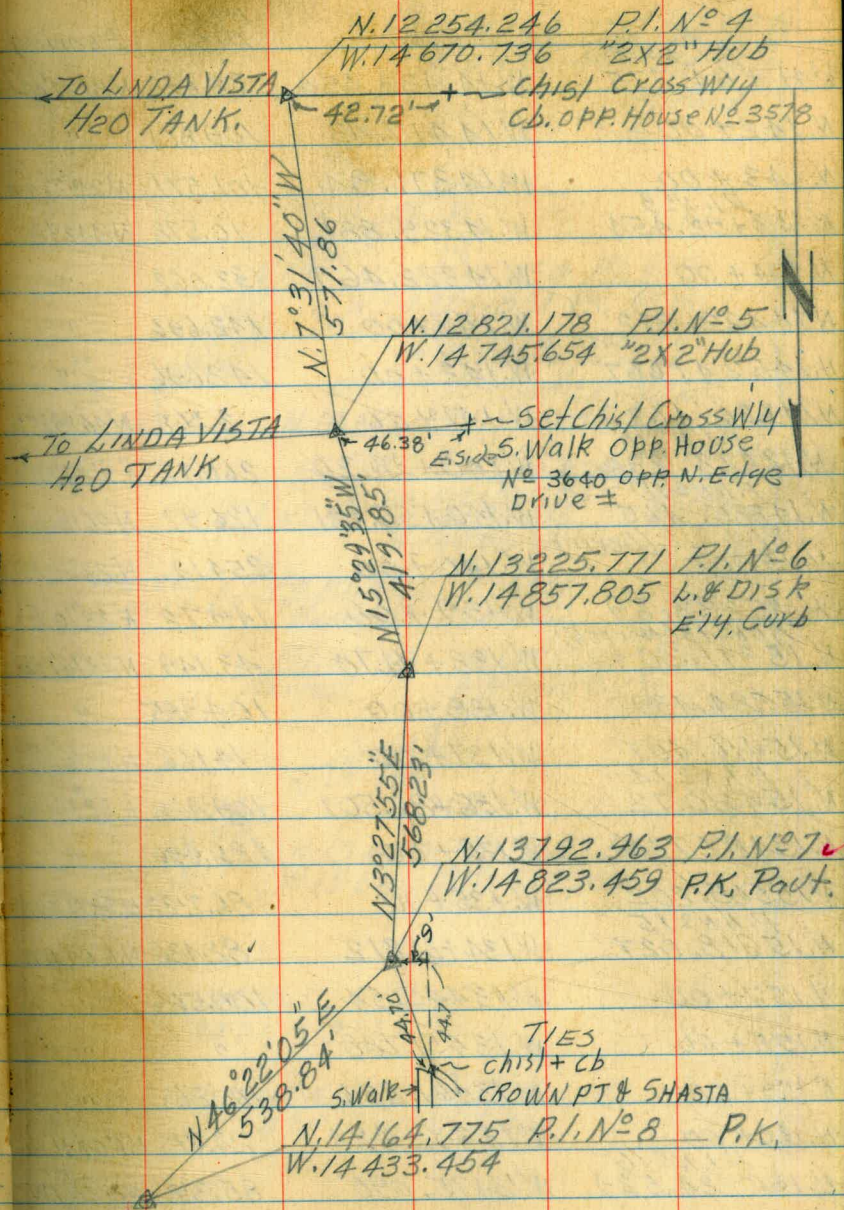
BASELINE LAYOUT FOR SHORE CONTROL NELY.
AREA MISSION BAY W.O. 64501

N.	W.	B/L Dist	Bearing
"CROWN" N. 10725.62	W. 151+01.79	67.34	5.333250°W
P.I. No 1 N. 10669.497	W. 151+39.004	70.101	560°28'20"W
N. 10634.948	W. 152+00	114.927	"
N. 10578.307	W. 153+00	67.922	"
CHIS + ELY. W. Wall N. 10544.831	W. 153+59.10		
P.I. No 1 N. 10669.497	W. 151+39.004	70.579	N. 33°32'50"E
N. 10728.32	W. 151+00	180.955	"
N. 10879.124	W. 150+00	73.117	N. 33°32'50"E
P.I. No 2 N. 10940.07	W. 149+59.594	62.664	N. 16°59'15"E
N. 110+00	W. 14941.286	104.562	"
N. 111+00	W. 14910.737	"	"
N. 112+00	W. 14880.188	"	"
N. 113+00	W. 14849.639	104.562	"
N. 114+00	W. 14819.09	22.007	N. 16°59'15"E
P.I. No 3 N. 114+21.047	W. 14812.659	80.09	N. 9°40'E
N. 115+00	W. 14799.211	101.44	"
N. 116+00	W. 14782.178	"	"
N. 117+00	W. 14765.145	"	"
N. 118+00	W. 14748.112	"	"
N. 119+00	W. 14731.079	"	"
N. 120+00	W. 14714.046	"	"
N. 121+00	W. 14697.013	101.44	"
N. 122+00	W. 14679.98	55.027	N. 9°40'E
P.I. No 4 N. 122+54.246	W. 14670.736	46.152	N. 7°31'48"W

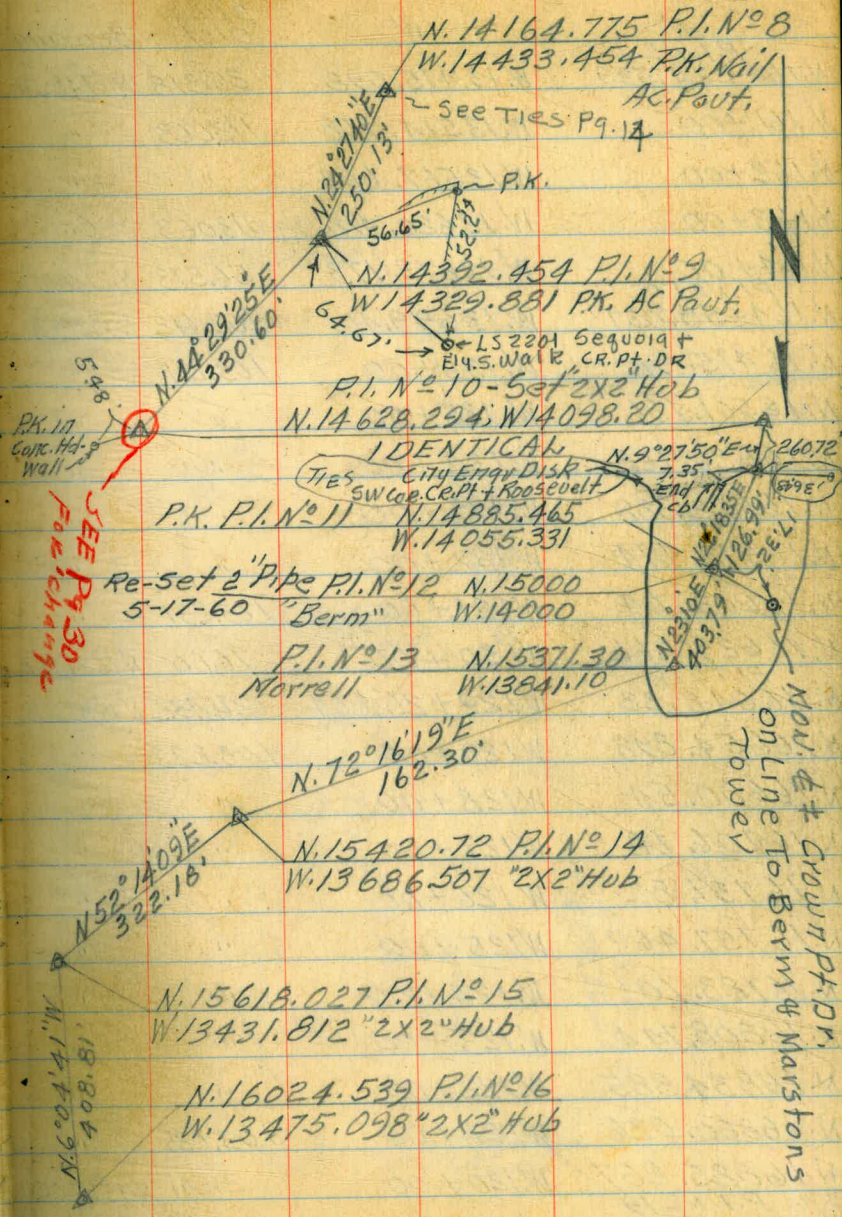
33-3250
180
213-3250



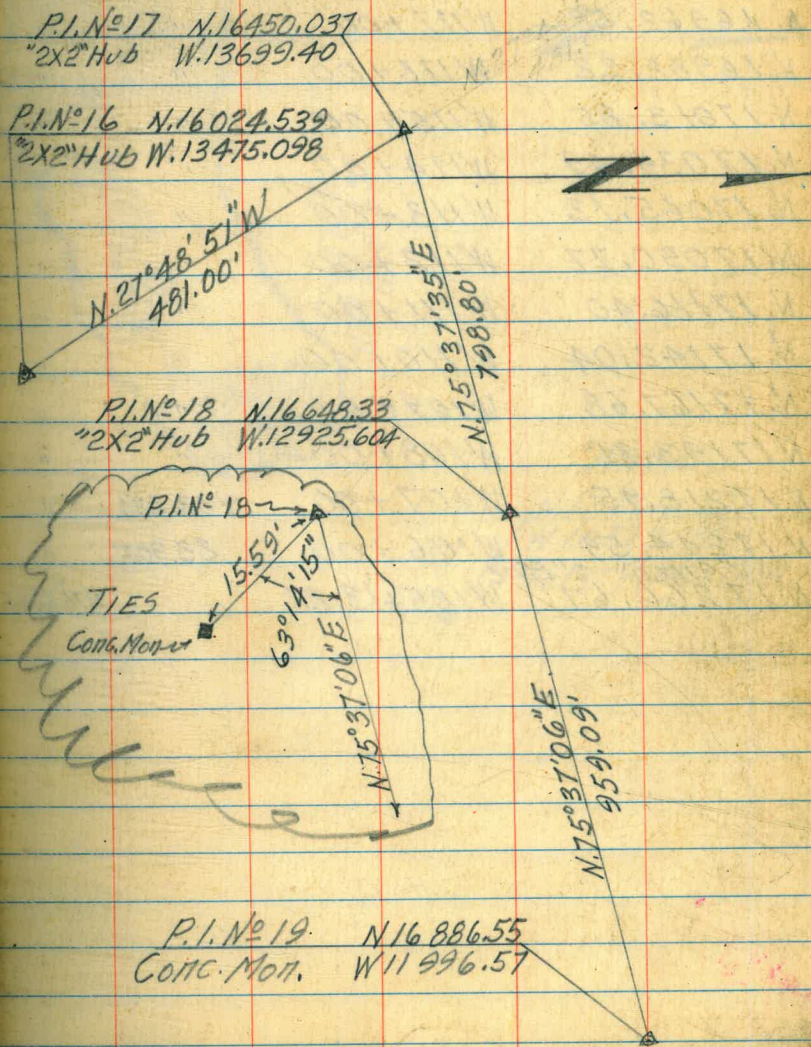
N.	W.	B/L Dist.	Bearing
N.122+54.246 <i>P.I. No 4</i>	W.14670.736	46.152	N.73°14'0"W
N.123+00	W.14676.782	100.869	"
N.124+00	W.14689.997	"	"
N.125+00	W.14703.212	"	"
N.126+00	W.14716.427	"	"
N.127+00	W.14729.642	100.869	"
N.128+00	W.14742.857	21.362	N.73°14'0"W
N.128+21.178 <i>P.I. No 5</i>	W.14745.654	81.794	N.15°29'35"W
N.129+00	W.14767.503	103.771	"
N.130+00	W.14795.222	"	"
N.131+00	W.14822.941	103.771	"
N.132+00	W.14850.660	26.743	N.15°29'35"W
N.132+25.771 <i>P.I. No 6</i>	W.14857.805	74.365	N.3°27'55"E
N.133+00	W.14853.31	100.183	"
N.134+00	W.14847.255	"	"
N.135+00	W.14841.20	"	"
N.136+00	W.14835.145	100.183	"
N.137+00	W.14829.09	93.133	N.3°27'55"E
N.137+92.963 <i>P.I. No 7</i>	W.14823.459	10.198	N.46°22'05"E
N.138+00	W.14816.078	144.923	"
N.139+00	W.14711.185	"	"
N.140+00	W.14606.292	144.923	"
N.141+00	W.14501.40	93.874	N.46°22'05"E
N.141+64.775 <i>P.I. No 8</i>	W.14433.454	38.698	N.24°27'40"E



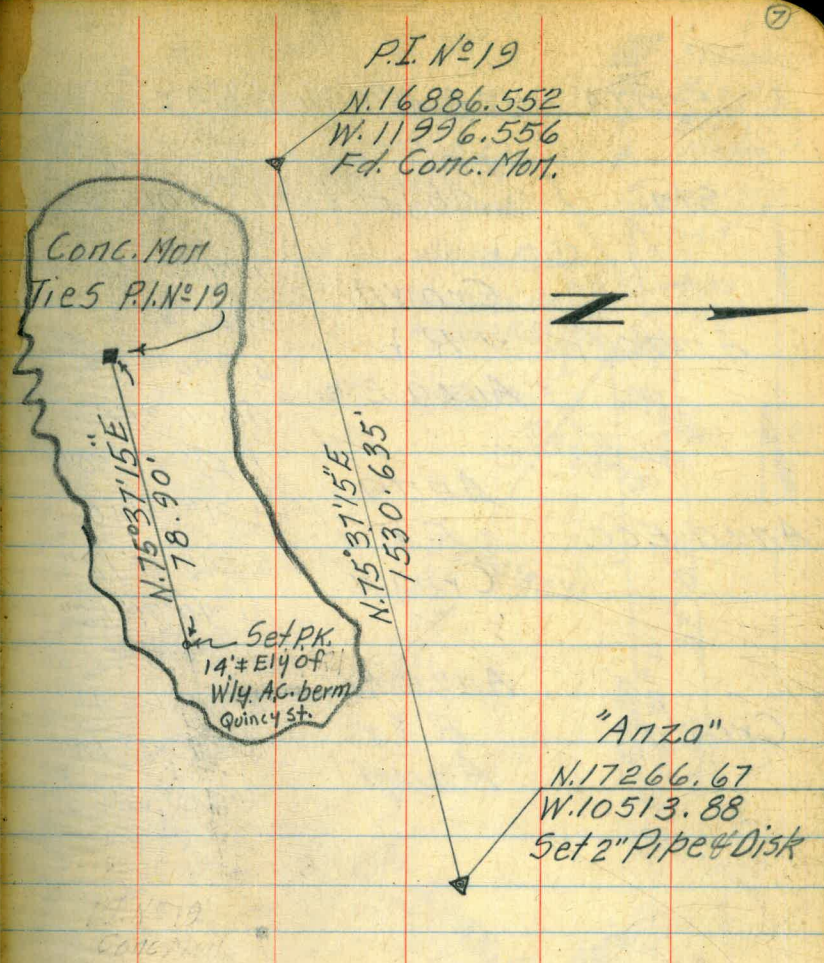
N.	W.	B/L DIST	Bearing
N. 141 + 64.775 P.I. No 8	W. 14 433.454	38.698	N. 24° 27' 40" E
N. 142 + 00	W. 14 417.43	109.861	"
N. 143 + 00	W. 14 371.94	101.571	N. 24° 27' 40" E
N. 143 + 92.454 P.I. No 9	W. 14 329.881	10.578	N. 44° 29' 25" E
N. 144 + 00	W. 14 322.469	32.062	"
N. 144 22.872	W. 14 3 + 00	142.696	"
N. 145 24.667	W. 14 2 + 00	142.696	"
N. 14 626.462	W. 14 1 + 00	2.568	N. 44° 29' 25" E
N. 14 628.294 P.I. No 10	W. 14 0 + 98.20	260.72	N. 9° 27' 50" E
N. 14 885.465 P.I. No 11	W. 14 0 + 55.331	126.97	N. 26° 18' 35" E
N. 15 000 P.I. No 12 (Berm)	W. 14 0 + 00	254.19	N. 23° 10' E
N. 15 233.69	W. 13 9 + 00	149.72	N. 23° 10' E
N. 15 371.30 P.I. No 13 (Norrell)	W. 13 8 + 41.10	43.149	N. 72° 16' 19" E
N. 15 384.439	W. 13 8 + 00	104.985	"
N. 15 416.407	W. 13 7 + 00	14.166	N. 72° 16' 19" E
N. 15 420.72 P.I. No 14	W. 13 6 + 86.507	109.428	N. 52° 14' 09" E
N. 15 487.734	W. 13 6 + 00	126.496	"
N. 15 565.202	W. 13 5 + 00	86.255	N. 52° 14' 09" E
N. 15 618.027 P.I. No 15	W. 13 4 + 31.812	82.436	N. 6° 04' 41" W
N. 15 7 + 00	W. 13 4 40.54	100.565	"
N. 15 8 + 00	W. 13 4 51.188	"	"
N. 15 9 + 00	W. 13 4 61.836	100.565	"
N. 16 0 + 00	W. 13 4 72.484	24.678	N. 6° 04' 41" W
N. 16 0 + 24.539 P.I. No 16	W. 13 4 75.098	85.318	N. 27° 35' W



N.	W.	B/L DIST	Bearing
P.I. N ^o 16 N.160+24.539	W.13475.098	85.318	N.27°48'51"W
N.161+00	W.13514.908	113063	"
N.162+00	W.13567.663	"	"
N.163+00	W.13620.418	113063	"
N.164+00	W.13673.173	56.573	N.27°48'51"W
P.I. N ^o 17 N.164+50.037	W.13699.40	102.612	N.75°37'35"E
N.16475.51	W.136+00	103.231	"
N.16501.136	W.135+00	"	"
N.16526.762	W.134+00	"	"
N.16552.388	W.133+00	"	"
N.16578.014	W.132+00	"	"
N.16603.64	W.131+00	103.231	"
N.16629.266	W.130+00	76.80	N.75°37'35"E
P.I. N ^o 18 N.16648.33	W.129+25.604	26.432	N.75°37'06"E
N.16654.898	W.129+00	103.235	"
N.16680.54	W.128+00	"	"
N.16706.18	W.127+00	"	"
N.16731.82	W.126+00	"	"
N.16757.46	W.125+00	"	"
N.16783.10	W.124+00	"	"
N.16808.744	W.123+00	"	"
N.16834.385	W.122+00	"	"
N.16860.026	W.121+00	103.235	"
N.16885.667	W.120+00	3.541	N.75°37'06"E
Mon. P.I. N ^o 19 N.16886.55	W.119+96.57		



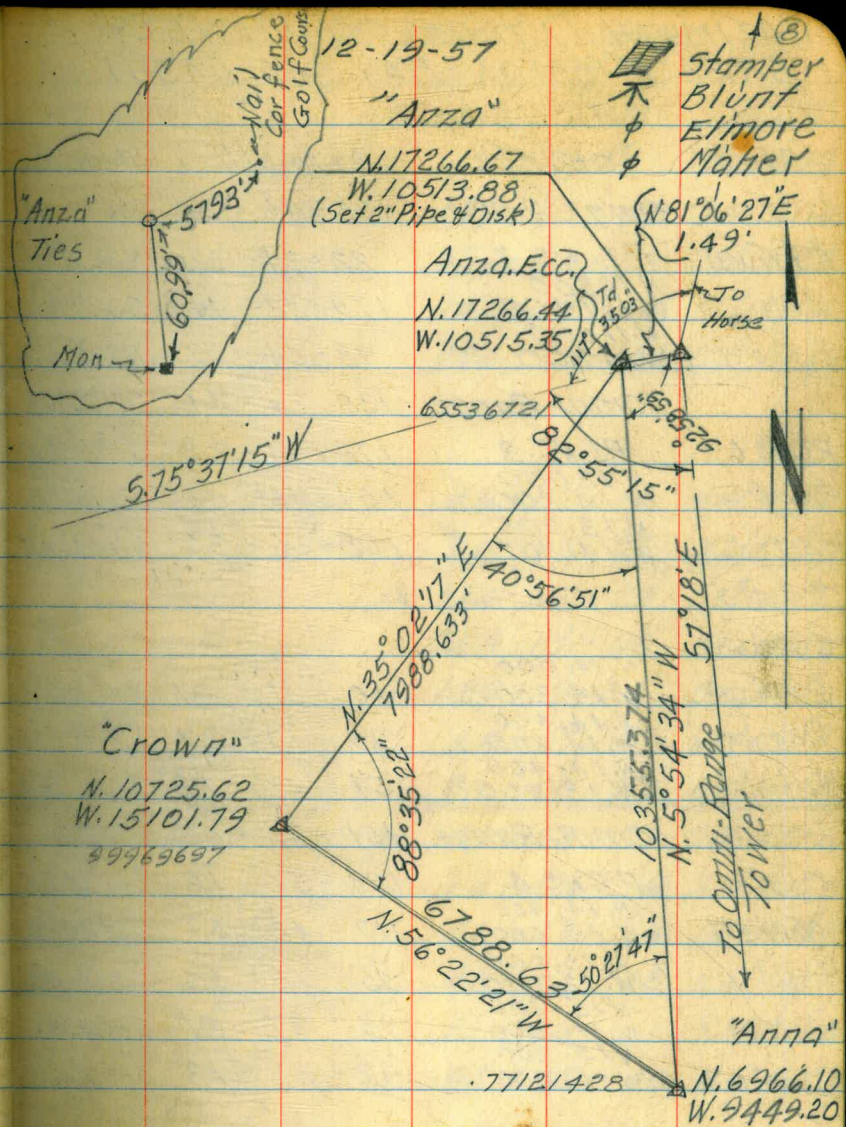
N.	P.I. No 19	Conc. Mort.	W.	B/L Dist	bearing
N.	N. 16886.552		W119+96.556	99.693	N.75°37'15"
N.	N. 16911.31		W119+00	103.234	"
N.	N. 16936.94		W118+00	"	"
N.	N. 16962.58		W117+00	"	"
N.	N. 16988.22		W116+00	"	"
N.	N. 17013.85		W115+00	"	"
N.	N. 17039.49		W114+00	"	"
N.	N. 17065.13		W113+00	"	"
N.	N. 17090.77		W112+00	"	"
N.	N. 17116.40		W111+00	"	"
N.	N. 17142.04		W110+00	"	"
N.	N. 17167.68		W109+00	"	"
N.	N. 17193.31		W108+00	"	"
N.	N. 17218.95		W107+00	103.234	"
N.	N. 17244.59		W106+00	88.905	"
N.	N. 17266.67	"Anzo" 2" R.P.C.	W105+13.88		N75°37'15"E



"Anzo"
 N. 17266.67
 W. 10513.88
 Set 2" Pipe & Disk

Δ OF STA ANZA MISSION BAY

Sta.	object	Angles
	CROWN	1.50° 27' 45"
	R 7	2.100° 55' 30"
Аппа	Аппа Ecc.	6.302° 46' 45"
		Av. 50° 27' 47.5"
	Аппа	1.40° 56' 50"
Аппа Ecc.	R 7	2.81° 53' 40"
	CROWN	6.245° 41' 12"
		Av. 40° 56' 52"
	Аппа Ecc.	1.88° 35' 35"
	R 7	2.177° 10' 45"
CROWN	Аппа	6.531° 32' 18"
		Av. 88° 35' 23"



Adjusted Δ

AZIMUTH INTERSECTIONS N.E.L.Y.
 AREA MISSION BAY W.D. 64501

12-27-57

Stampel
 Blunt
 Elmore
 Moley

⑨

Sta	object	Azimuth	Bearing	Sta	object	Azimuth	Bearing
N.	Omni-Range	123-46-16	556°13'44"E	N.	Omni-Range	129-33-43	550°26'17"E
N.	Crown P.I. N° 3	22-34-32	N22°34'32"E	N.	Crown P.I. N° 3	202-34-32	522°34'32"W
N.	N. 10,500			N.	N. 10,500		
N.	W. 15,100	179-32-44	50°27'16"E	N.	W. 15,100	197-19-35	517°19'35"W
N.	N. 11,000			N.	N. 11,000		
N.	W. 14,200	73-04-37	N73°04'37"E	N.	W. 14,200	124-29-56	555°30'04"E
N.	Omni-Range	138-39-44	541°20'16"E				
N.	P.I. N° 6						
N.	P.I. N° 3	178-34-02	51°25'58"E				
N.	N. 12,000 ✓			N.	N. 12,000		
N.	W. 14,200 ✓	151-46-48	528°31'2"E	N.	W. 14,200	46-37-14	N.46°37'14"E
N.	N. 13,000 ✓			N.	N. 13,000		
N.	W. 14,200 ✓	108-56-36	571°03'24"E	N.	W. 14,200	21-12-26	N21°12'26"E
N.				N.	Omni-Range	144-35-29	535°24'31"E
N.				N.	P.I. N° 8		
N.	N. 14,000			N.	P.I. N° 6	204-19-08	524°19'08"W
N.	W. 14,200	40-21-07	N.40°21'07"E	N.	N. 14,000		
N.	N. 14,400			N.	W. 14,200	125-12-54	554°47'06"E
N.	W. 14,200	29-15-27	N.29°15'27"E	N.	N. 14,400		
N.	N. 14,400			N.	W. 14,200	44-47-01	N44°47'01"E
N.	W. 13,000	57-42-18	N.57°42'18"E	N.	N. 14,400		
N.				N.	W. 13,000	80-40-52	N.80°40'52"E
N.	Omni-Range	151-31-05	528°28'55"E	N.	Omni-Range	134-58-03	545°01'57"E
N.	P.I. N° 4	194-54-16	514°54'16"W	N.	Morrell	14-54-16	N.14°54'16"E
N.	N. 14,400			N.	N. 14,400		
N.	W. 12,000	117-48-53	562°11'07"E	N.	W. 12,000	51-13-14	N.51°13'14"E
N.	N. 15,200			N.	N. 15,200		
N.	W. 12,000	95-18-56	584°41'04"E	N.	W. 12,000	42-11-48	N.42°11'48"E
N.	N. 15,200			N.	N. 15,200		
N.	W. 11,000	93-27-01	586°32'54"E	N.	W. 11,000	51-15-11	N.51°15'11"E
N.	N. 15,200			N.	N. 15,200		
N.	W. 10,000	92-33-13	587°26'47"E	N.	W. 10,000	57-45-40	N.57°45'40"E

60° 56' 43
 0 27 16
 67° 23 59

NOTE: Sections are taken on Grid Lines
(see sketch, p. 1)

CROSS SECTION NELY. AREA MISSION BAY

Sta.	Elev.	USCGS Bay Pt.	Sta.	Elev.
STA. W150+00; 0+00 = N10,879.12			Sta.	Elev.
N. 0			0	34.7
N. Sta. (Direct Rod used)	Elev.		5 24	35.4
N. B.M.	38.58	USCGS Bay Pt.	5 56	26.6
N. 0	37.6		5 102	11.3 Toe
N. 5 24	37.3		5 150	9.8
N. 5 40	31.0		5 200	9.0
N. 5 67	14.0		5 250	10.1
N. 5 84	8.8		5 300	10.2
N. 5 130	4.9		5 339	9.7
STA. W152+00; 0+00 = N10634.95			5 400	3.9
N. 0	38.6		TP.	33.69 2x2 Hob P.I. N°2
N. 5 9	38.9	Top	STA. N110+00; 0+00 = W14,941.29	
N. 5 91	10.2	Toe	0	32.9
N. 5 128	9.7		E 8	33.4
N. 5 200	3.7		E 47	7.0 Toe
STA. W151+00; 0+00 = N. 10728.32			N111+00; 0+00 = W14910.74	
N. 0	38.0		0	31.4
N. 5. 8	38.3	Top	E 12	31.8
N. 5 32	32.6		E 45	7.8
N. 5 116	10.0	Toe	E 71	5.0
N. 5 166	10.0		N112+00; 0+00 = W14880.19	
N. 5 210	9.5		0	29.9
N. 5 250	5.5		E 11	31.0
			E 26	24.8
			E 45	7.6
			E 75	4.9

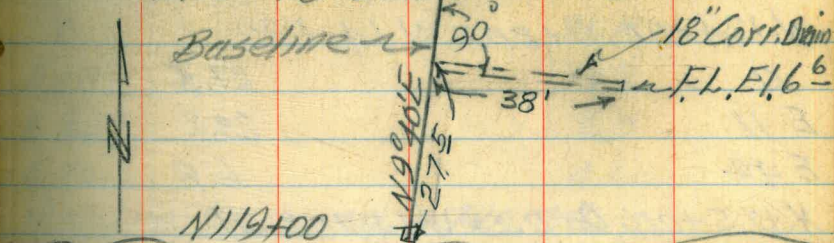
1-7-58

N	N113+00; 0+00 = W/14,849.64	
N	Sta.	Elev.
N	0	28.1
N	E 20	28.7
N	E 50	7.0
N	N114+00; 0+00 = W/14,819.09	
N	0	26.4
N	E 16	26.3
N	E 38	7.2
N	TP	26.06 <small>2x2 Hub PI No 3</small>
N	N115+00; 0+00 = W/14,799.21	
N	0	25.1
N	E 6	25.5
N	E 41	7.2
N	N116+00; 0+00 = W/14,782.18	
N	0	23.9
N	E 19	24.1
N	E 43	7.1
N	N117+00; 0+00 = W/14,765.15	
N	0	23.3
N	E 24	24.1
N	E 45	7.3
N	N118+00; 0+00 = W/14,748.11	
N	0	23.2
N	E 22	24.3
N	E 44	7.0

N119+00; 0+00 = W/14,731.08

Sta	Elev
0	23.7
E 24	24.7
E 45	7.1

LOCATION 18" CORR. IRON DRAIN



N120+00; 0+00 = W/14,714.05

0	24.5
E 21	25.1
E 45	7.1

N121+00; 0+00 = W/14,697.01

0	25.1
E 16	25.2
E 39	7.2

N122+00; 0+00 = W/14,679.98

0	25.9
E 8	26.1
E 37	7.3
TP	26.96 <small>"2x2" PI No 4</small>

1-8-58

N.123+00; 0+00 = W.14,676.78

N	Sta	Elev
N	0	26.5
N	E 6	26.6
N	E 32	7.1

N.124+00; 0+00 = W.14,690

N	0	27.5
N	E 11	28.2
N	E 42	6.8

N.125+00; 0+00 = W.14,703.21

N	0	27.9
N	E 5	27.9
N	E 34	6.9

N.126+00; 0+00 = W.14,716.43

N	0	28.6
N	E 5	28.9
N	E 31	9.6
N	E 32	6.7

N.127+00; 0+00 = W.14,729.64

N	0	29.3
N	E 3	29.4
N	E 31	10.1
N	E 32	6.9

TBM, 31.10

P.I. No 6
L+DISK
E.C.B.N.128+00; 0+00 = W.14,742.86 (2)

Sta	Elev.
0	29.5
E 6	30.0
E 33	7.1

N.129+00; 0+00 = W.14,767.50

0	31.1
E 10	32.3
E 43	7.0
E 70	4.1

N.130+00; 0+00 = W.14,795.22

0	31.7
E 5	31.8
E 40	6.8
E 60	4.7

N.131+00; 0+00 = W.14,822.94

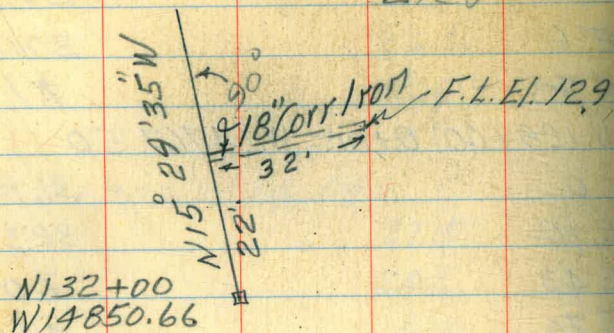
0	31.4
E 36	6.1
E 70	4.0

N.132+00; 0+00 = W.14,850.66

0	31.4
E 10	31.2
E 26	19.8
E 44	6.4
E 60	4.8

1-15-58

LOCATION 18" CORR IRON DRAIN
Sta. Elev



N132+00; 0+00 = W14853.31

0	32.0
E 4	31.9
E 37	6.7
E 60	4.3

N134+00; 0+00 = W14847.25

0	32.6
E 2	32.6
E 37	6.3
E 56	4.1

N135+00; 0+00 = W14841.20

0	33.3
E 2	33.3
E 40	7.1
E 60	3.8

N136+00; 0+00 = W14835.14

Sta	Elev
0	33.5
E 38	5.9
E 60	3.9

N137+00; 0+00 = W14829.09

0	33.3
E 50	5.7
E 62	4.9

N138+00; 0+00 = W14816.08

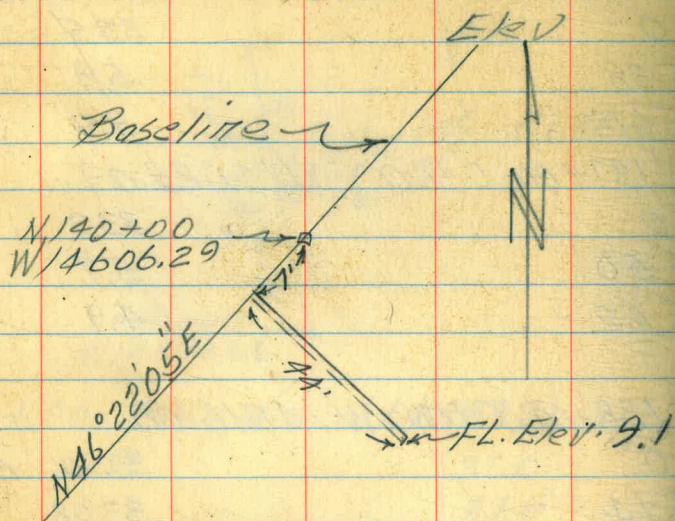
0	33.50	A.C.
E 14	33.08	
E 48	33.4	
E 89	6.0	
E 100	5.4	

N139+00; 0+00 = W14711.18

0	34.2
E 20	33.5
E 64	6.3
E 80	5.6

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LOCATION 24" CAST IRON DRAIN STA



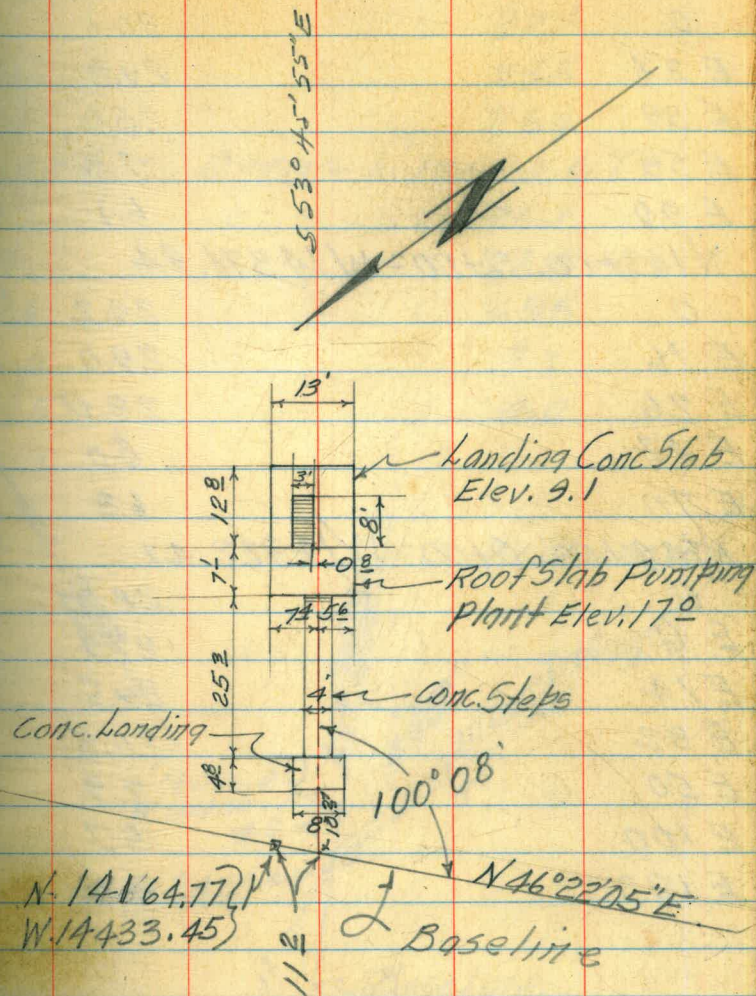
N 140+00; 0+00 = W 14606.29

0	33.1
E 17	32.4
E 83	5.7
E 120	4.3
TP	31.83

N 141+00; 0+00 = W 14501.40

0	32.6
E 32	32.4
E 51	20.0
E 79	7.0
E 120	4.7
TP Top PK. P.I. N° 8	31.325 (See Pg 7)

LOCATION SEWER PUMPING STA.



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N142+00; 0+00 = W14417.43

Sta	Elev
0	30.6
E 27	29.8
E 39	25.0
E 59	7.3
E 90	6.1

N143+00; 0+00 = W14371.94

0	29.2
E 16	29.0
E 26	23.0
E 47	8.0
E 70	6.3

N144+00; 0+00 = W14322.47

0	28.3
E 6	27.9
E 14	29.5
E 32	20.8
E 50	7.9
E 100	5.7
E 123	4.0

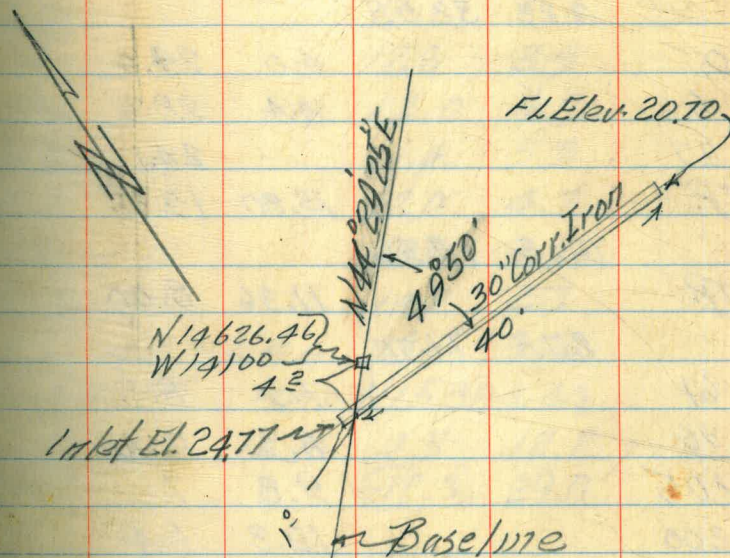
15

W143+00; 0+00 = N14422.87

Sta	Elev
0	27.7
S 15	29.5
S 23	26.4

W142+00; 0+00 = N14524.67

0	26.7
S 9	26.6
S 26	28.8
S 64	7.3
S 125	4.0



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W141+00; 0+00 = N14626.46

Sta	Elev
0	27.8
S 55	27.1
S 90	9.0
S/25 (Cont'd S. MB 96 P 44)	5.9
W140+00; 0+00 = N. 15,000	
TP.	26.59
TBM. <small>Top Fire Hdd. NE Cor Crown Pt. Dr. & Honeycutt St.</small>	32.75
Sta + HI - Elev	
TBM.	32.75
0.23 32.98	
0	4.0 29.0
S 6	4.4 28.6
E S 27	24.1
E TP.	13.80 19.18
E	0.18 19.36
7 TP.	11.36 8.00
N	8.70 16.70
S 61	7.9 8.8
E S 96	8.3 8.4
E S 105	9.8 7.9
E S 200	10.3 6.4
E S 230	13.3 3.4
7 S 263	13.8 2.9
S 283	12.1 4.6

W140+00 ¹⁻¹⁷⁻⁵⁸ CONT'D SOUTH

Sta	+ HI - Elev
S 300	16.70 13.7 3.0
S 365	11.7 5.0
S 380	10.2 6.5
S 400	11.3 5.4
S 500 (Cont'd S. MB 96 P 45)	14.2 2.5
W139+00; 0+00 = N15,233.69	
TBM.	0.35 33.1 4.0 ^{32.75} 29.1
S 10	3.5 29.6
S 21	3.7 29.4
S 113	16.70 10.0 6.7
S 173	11.1 5.6
S 197	12.8 3.9
S 300	12.0 4.7
S 400	11.4 5.3
S 500	12.0 4.7
S 537	13.5 3.2
S 570	14.0 2.7
S 600 (Cont'd S. MB 96 P 46)	13.5 3.2
W138+00; 0+00 = N15384.44	
0	16.70 4.5 12.2
N 54	-12.3 29.0

W138+00 CONTD SOUTH

Sta.	+	H.I.	-	Elev
526		16.70	10.0	6.7
5100			10.4	6.3
5120			10.5	6.1
5167			13.1	3.6
5200			11.8	4.9
5210			13.8	2.9
5234			12.0	4.7
5300			11.4	5.3
5400			11.4	5.3
5500			11.4	5.3
5600			12.0	4.7
N 5654 (Contd. S. NB 96 P 955)			12.6	4.1
W137+00; 0+00 N15416.41				
E 0			11.2	5.5
E N 54			9.2	7.5
E N 78			-7.6	24.3
7 5100			11.8	4.9
N 5200			11.9	4.8
5215			13.5	3.2
E 5220			11.9	4.8
E 5300			11.3	5.4
E 5400			11.6	5.1
E 5500			12.3	4.4
7 5600			13.8	2.9
5616 (Contd. S. NB 96 P 958)			14.1	2.6

W136+00; 0+00 = N16475.51

Sta.	+	H.I.	-	Elev
0		16.70	11.6	5.1
N17			2.1	14.6
5100			11.5	5.2
5200			12.0	4.7
5300			11.3	5.4
5400			12.3	4.4
5500			12.4	4.3
5600			13.8	2.9
5700			14.2	2.5
5775			14.3	2.4

(Contd. S. NB 96 P 959)

TP. 5.00 10.21 11.49 5.21

W135+00; 0+00 = N15565.20

0			-0.3	10.5
58			0.5	9.7
518			4.8	5.4
5100			4.9	5.3
5200			5.2	5.0
5300			5.0	5.2
5400			5.8	4.4
5465			5.5	4.7

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N157+00; 0+00 = W13440.54

Sta	+	H.I.	-	Elev
0		10.21	6.0	4.2
E 40			5.3	4.9
W 8			7.9	2.3
W 11			7.5	2.7
W 11			4.6	5.6
W 21			3.7	8.5

N158+00; 0+00 = W13451.19

0			2.6	7.6
E 21			4.6	5.6
E 21			7.2	3.0
E 31			7.3	2.9
E 31			6.0	4.2
E 51			5.7	4.5
E W 20			2.0	8.2

N159+00; 0+00 = W13461.84

0			2.1	8.1
E 4			4.3	5.9
E 62			4.4	5.8
W 5			0.7	9.5
E W 20			0.2	10.0
E W 25			4.2	15.8

N160+00; 0+00 = W13472.48

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Sta	+	H.I.	-	Elev
0		10.21	4.1	6.1
E 72			4.6	5.6
W 4			3.2	7.0
W 9			0.0	10.2
TP	13.62	21.70	2.13	8.08

N161+00; 0+00 = W13514.91

0			16.1	5.6
E 15			16.0	5.7
E 22			16.0	5.7
E 36			13.5	8.2
E 47			15.6	6.1
E 115			15.9	5.8
W 26			15.5	6.2
W 35			11.4	10.3
W 85			4.4	15.8

N162+00; 0+00 = W13567.66

0			8.5	13.2
E 38			9.0	12.7
E 51			15.7	6.0
E 68			16.1	5.6
E 87			14.4	7.3
E 102			16.2	5.5
E 168			16.0	5.7
W 32			6.1	15.6
W 65			1.8	19.9

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N163+00; 0+00 = W13620.42

Sta	+	H.I.	-	Elev
0		21.70	7.9	13.8
E 20			7.2	14.5
E 70			15.4	6.3
E 100			16.0	5.7
E 110			14.1	7.6
E 120			14.9	6.8
E 153			15.6	6.1
E 172			16.0	5.7
E 220			16.0	5.7
W 30			5.5	16.2

N164+00 0+00 = W13673.17

0			11.4	10.3
W 14			10.0	11.7
E W 25			6.0	15.7
E E 73			12.8	8.9
E E 142			7.9	13.8
E E 163			8.4	13.3
N E 173			10.6	11.1
E 200			14.8	6.3
E E 215			14.6	7.1
E TP			12.57	9.13

7.66 16.79

TOP
M.H.

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W136+00; N16475.51

Sta	+	H.I	-	Elev
0		16.79	3.7	13.1

W135+00; N16501.14

0			6.3	10.5
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W134+00; 0+00 = N16526.76

0			4.2	12.6
S 20			2.7	14.1
S 35			10.6	6.2
S 100			11.0	5.8
S 200			11.2	5.6
S 300			11.7	5.1
S 400			11.9	4.9
S 500			11.2	5.6
S 600			11.1	5.7
S 656			12.0	4.8
S 665			14.3	2.5
S 670			12.1	4.7
S 700			12.5	4.3
S 800			11.7	5.1
S 900			12.0	4.8
S 1000			12.3	4.5
S 1048			12.5	4.3
S 1077			14.6	2.2
S 1100			14.6	2.2
S 1118			11.3	5.5

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W134+00 CONTD SOUTH

Sta	+	H.I.	-	Elev
S 1200		16.79	11.5	5.3
S 1300			12.2	4.6
S 1400			12.3	4.5
S 1500			12.0	4.8
S 1600			12.0	4.8
S 1677 (Contd. S. MB96 P. 62)			12.1	4.7
W133+00; 0+00 = N 14800				
0 (Contd. S. MB96 P. 64)			12.3	4.5
N 100			12.2	4.6
N 200			12.0	4.8
N 300			11.8	5.0
N 400			11.9	4.9
N 465			11.9	4.9
N 475			15.8	1.0
N 490			12.7	4.1
N 500			12.5	4.3
N 600			11.9	4.9
N 700			11.6	5.2
N 800			11.4	5.4
N 900			11.4	5.4
N 1000			11.2	5.6
N 1100			11.2	5.6
N 1133			11.6	5.2
N 1150			14.4	2.4
N 1177			12.4	4.4

W133+00 NORTH 2-4-58 (20)

Sta	+	H.I.	-	Elev	
N 1200		16.79	12.3	4.5	
N 1300			11.4	5.4	
N 1400			11.2	5.6	
N 1500			11.2	5.6	
N 1600			11.1	5.7	
N 1696			11.0	5.8	Top fill
N 1709			4.8	12.0	Top
N 1752			4.9	11.9	
W132+00; 0+00 = N 16578.01					
0			4.6	12.2	
S 28			4.4	12.4	Top fill
S 46			10.6	6.2	Top
TP	3.83	11.10	9.52	7.27	Mon. OPP P.I. No 18
S 100			5.4	5.7	
S 200			5.5	5.6	
S 300			5.4	5.7	
S 400			6.5	4.6	
S 500			4.9	6.2	
S 600			5.2	5.9	
S 700			5.3	5.8	
S 800			5.4	5.7	
S 900			5.8	5.3	
S 1000			6.0	5.1	
S 1100			5.7	5.4	
S 1200			6.0	5.1	

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W. 132+00 CONTD SOUTH

Sta	+	H.I.	-	Elev
5 1300		11.10	6.1	5.0
5 1400			6.2	4.9
5 1410			6.3	4.8
5 1413			9.5	1.6
5 1425			7.2	3.9
5 1500			6.4	4.7
5 1600			6.2	4.9
5 1700			6.4	4.7
5 1800 (Cont'd S. MB 96 P 4.65)			6.5	4.6
5 1828			6.6	4.5
W. 131+00; 0+00 = N. 14,600				
0 (Cont'd S. MB 96 P 4.66)			6.7	4.4
N 100			6.4	4.7
N 200			6.3	4.8
N 300			6.6	4.5
N 340			6.6	4.5
N 345			9.2	1.9
N 360			7.3	3.8
N 400			6.5	4.6
N 500			6.4	4.7
N 600			6.0	5.1
N 700			5.9	5.2
N 800			5.8	5.3
N 900			6.6	4.5

W. 131+00 CONTD NORTH

Sta	+	H.I.	-	Elev
N 1000		11.10	6.4	4.7
N 1100			5.6	5.5
N 1200			5.4	5.7
N 1300			5.3	5.8
N 1400			5.1	6.0
N 1500			5.0	6.1
N 1600			5.0	6.1
N 1700			5.4	5.7
N 1800			5.3	5.8
N 1900			5.0	6.1
N 2004				6.8
N 2020				5.5
N 2033				12.7
W. 130+00; 0+00 = N/6,629.27				
0			4.8	6.3
N 19			4.5	6.6
N 33			-1.4	12.5
5 100			5.0	6.1
5 200			4.4	6.7
5 300			4.7	6.4
5 400			4.9	6.2
5 500			5.0	6.1
5 600			5.0	6.1
5 700			5.2	5.9
5 800			5.3	5.8

(2)

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W. 130+00 CONTD SOUTH

Sta	H.I.	-	Elev
S 900	11.10	5.5	5.6
S 1000		6.3	4.8
S 1100		7.0	4.1
S 1200		6.6	4.5
S 1300		6.0	5.1
S 1400		6.0	5.1
S 1500		6.0	5.1
S 1600		6.1	5.0
S 1700		6.4	4.7
S 1735		6.9	4.2
S 1750		9.1	2.0
S 1765		7.0	4.1
S 1800		6.5	4.6
S 1900		6.3	4.8
S 2000		6.5	4.6
S 2079 (Contd S. MB 96 P 67)		6.7	4.4
W 129+00; 0+100 = N 14520			
0 (Contd S. MB 96 P 68)		7.0	4.1
N 100		6.4	4.7
N 200		6.7	4.4
N 240		7.6	3.3
N 255		9.4	1.7
N 270		6.6	4.5
N 300		6.5	4.6
N 400		6.5	4.6

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W. 129+00 CONTD NORTH

Sta	H.I.	-	Elev
N 500	11.10	6.2	4.9
N 600		6.0	5.1
N 700		6.2	4.9
N 800		6.8	4.3
N 900		6.9	4.2
N 1000		7.4	3.7
N 1100		7.3	3.8
N 1200		5.8	5.3
N 1300		5.3	5.8
N 1400		5.3	5.8
N 1500		5.0	6.1
N 1600		5.0	6.1
N 1700		4.7	6.4
N 1800		4.3	6.8
N 1900		3.8	7.3
N 2000		3.6	7.5
N 2100		3.3	7.8
N 2135		3.5	7.6
N 2191		3.7	7.4
N 2235		3.5	7.6
N 2270		3.5	7.6
N 2281		(-1.9)	13.0

Toe fill

To P

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W128+00; 0+00 = N. 16,680.54

Sta	+	H.I.	-	Elev
0		11.10	3.6	7.5
5100			4.0	7.1
5200			3.3	7.8
5300			3.7	7.4
5400			4.6	6.5
5500			4.8	6.3
5600			4.9	6.2
5700			5.0	6.1
5800			5.2	5.9
5900			5.5	5.6
51000			7.5	3.6
51100			8.0	3.1

W128+00; 0+00 = N14500

0 (Cont'd S. MB 96 P 96)		6.9	4.2
N100		8.0	3.1
N130		9.7	1.4
N155		7.4	3.7
N200		6.8	4.3
N300		6.6	4.5
N400		6.3	4.8
N500		6.3	4.8
N600		6.6	4.5
N700		6.8	4.3
N800		7.8	3.3

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W128+00 CONTD NORTH

Sta	+	H.I.	-	Elev
N900		11.10	8.3	2.8
N1000			9.0	2.1
TP	6.12	13.39	3.83	7.27 ~ 7.27

W127+00; 0+00 = N. 16,706.18

0		6.0	7.4
5100		6.0	7.4
5200		6.0	7.4
5300		5.7	7.7
5400		6.6	6.8
5500		6.9	6.5
5600		7.0	6.4
5700		7.2	6.2
5800		7.4	6.0
5856 (Cont'd S. MB 105 P 92)		7.5	5.9

W126+00; 0+00 = N 15,900

0 (Cont'd S. MB. 103 P 93)		7.5	5.9
N100		7.2	6.2
N200		7.0	6.4
N300		6.8	6.6
N400		6.7	6.7
N500		6.0	7.4
N600		6.6	6.8
N700		5.6	7.8
N800		5.7	7.7
N832		5.9	7.5

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W. 125+00; 0+00 = N. 16757.46

Sta + H.I. - Elev
13.39

0	5.4	8.0
S 100	5.6	7.8
S 200	6.3	7.1
S 300	6.0	7.4
S 400	6.4	7.0
S 500	6.8	6.6
S 600	6.9	6.5
S 700	7.0	6.4
S 800	7.4	6.0
S 857 (Cont'd. S. MB 105 P 932)	7.6	5.8

W. 124+00; 0+00 = N 15.870

0 (Cont'd. S. MB 96, P 976)	8.9	4.5
N 100	7.6	5.8
N 200	7.3	6.1
N 300	6.7	6.7
N 400	6.8	6.6
N 500	6.6	6.8
N 600	6.2	7.2
N 700	5.7	7.7
N 800	5.8	7.6
N 900	5.8	7.6
N 913	5.6	7.8

TBM, P.K. Nail Tie P.I. No 19 3.16 10.23 (See P 97)

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W. 123+00; 0+00 = N 16,808.74

Sta + H.I. - Elev
2.97 13.20

0	5.7	7.5
S 100	5.6	7.6
S 200	5.9	7.3
S 300	6.1	7.1
S 400	6.3	6.9
S 500	6.6	6.6
S 600	6.6	6.6
S 700	6.9	6.3
S 800	7.4	5.8

S 889 (Cont'd. S. MB. 105 P 93) 8.8 4.4

W. 122+00; 0+00 = N 15,980

0 (Cont'd. S. MB. 105, P 96)	8.2	5.0
N 100	7.2	6.0
N 200	6.9	6.3
N 300	6.5	6.7
N 400	6.4	6.8
N 500	6.1	7.1
N 600	6.0	7.2
N 700	5.8	7.4
N 800	6.6	6.6
N 854	5.5	7.7

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W.121+00; 0+00 = N/16, 860.03

Sta	+	H.I.	-	Elev
0		13.20	5.5	7.7
S 100			5.7	7.5
S 200			5.7	7.5
S 300			6.1	7.1
S 400			6.1	7.1
S 500			6.3	6.9
S 600			6.9	6.3
S 700			7.2	6.0
S 800			7.4	5.8
S 870 (cont'd S.M.B. 105, P. 9)			8.6	4.6

W.120+00; 0+00 = N/16, 020

0 (cont'd S.M.B. 105, P. 12)		8.2	5.0
N 100		7.4	5.8
N 200		7.1	6.1
N 300		6.8	6.4
N 400		6.1	7.1
N 500		5.8	7.4
N 600		5.6	7.6
N 700		5.4	7.8
N 800		5.4	7.8
N 866		5.5	7.7

23

W.119+00; 0+00 = N/16, 911.31

Sta	+	H.I.	-	Elev
0		13.20	3.4	9.9
S 40			5.0	8.2
S 100			5.0	8.2
S 200			5.3	7.9
S 300			5.7	7.5
S 400			5.9	7.3
S 500			6.1	7.1
S 600			6.5	6.7
S 700			7.2	6.0
S 800 (cont'd S.M.B. 105, P. 15)			7.3	5.9
S 901 (cont'd S.M.B. 105, P. 15)			8.8	4.6

W.118+00; 0+00 = N/16, 100

0 (cont'd S.M.B. 105, P. 18)		7.3	5.9
N 100		7.2	6.0
N 200		6.7	6.5
N 300		6.4	6.8
N 400		5.7	7.5
N 500		5.5	7.7
N 600		5.7	7.5
N 700		5.3	7.9
N 800		5.4	7.8
N 816		5.2	8.0
N 826		1.1	12.1
N 837		0.6	12.6
TBM		2.97	10.23

~10.23

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W. 117+00; 0+00 = N. 16, 262.58

Sta.	+	H.I.	-	Elev
TBM.	2.30	12.61		10.23 (Pg. 24)
0			-0.10	12.7
57			0.5	12.1
515			4.2	8.4
5100			5.1	7.5
5200			4.9	7.7
5300			5.3	7.3
5400			5.2	7.4
5500			5.9	6.7
5600			6.0	6.6
5700			6.5	6.1
5800			6.6	6.0
5863 (Cont'd S. MB 105, Pg. 21)			7.2	5.4
W. 116+00; 0+00 = N. 16, 130				
0 (Cont'd S. MB 105, Pg. 22)			7.7	4.9
N 100			6.8	5.8
N 200	8.8		6.5	6.1
N 300			6.3	6.3
N 400			6.0	6.6
N 500			5.6	7.0
N 600			5.6	7.0
N 700			5.5	7.1
N 800			5.3	7.3
N 841			5.0	7.6

(26)

W. 116+00 CONTD

Sta.	+	H.I.	-	Elev
N 851		12.61	50.1	12.7
N 858			-0.3	12.9
W. 115+00; 0+00 = N. 17, 013.85				
0			0.1	12.5
58			0.7	11.9
515			4.4	8.2
5100			5.2	7.4
5200			5.4	7.2
5300			5.8	6.8
5400			5.7	6.9
5500			6.2	6.4
5600			6.7	5.9
5700			6.7	5.9
5800			7.0	5.6
5814 (Cont'd S. MB 105, Pg. 25)			7.1	5.5
W. 114+00; 0+00 = N. 16, 250				
0 (Cont'd S. MB 105, Pg. 26)			7.0	5.6
N 100			6.6	6.0
N 200			6.3	6.3
N 300			5.7	6.9
N 400			5.8	6.8
N 500			5.5	7.1
N 600			5.1	7.5
N 700			4.9	7.7

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W. 114+00 CONTD NORTH

Sta	+	H.1	-	Elev
N 776		12.61	4.6	8.0
N 784			0.5	12.1
N 789			0.2	12.4
W. 113+00; 0+00 = N. 17,065.13				
0			0.1	12.5
5 9			0.6	12.0
5 16			4.5	8.1
5 100			4.7	7.9
5 200			4.8	7.8
5 300			5.7	6.9
5 400			5.8	6.8
5 500			6.0	6.6
5 600			6.6	6.0
5 700			6.7	5.9
5 765 (contd. S. MB 105, pg 27)			8.0	4.6
W. 112+00; 0+00 = N. 16,100				
0 (contd. S. MB 105, pg 36)			8.5	4.1
N 100			7.5	5.1
N 200			8.3	4.3
N 300			7.9	4.7
N 400			6.8	5.8
N 500			5.7	6.9
N 600			5.5	7.1
N 700			5.4	7.2
N 800			5.0	7.6

W. 112+00 CONTD NORTH

Sta	+	H.1	-	Elev
N 900		12.61	4.6	8.0
N 977			4.6	8.0
N 985			0.9	11.7
N 991			0.3	12.3
W. 111+00; 0+00 = N. 17,116.40				
0			0.6	12.0
5 9			1.0	11.6
5 15			3.9	8.7
5 100		10.146	4.8	7.8
5 200			5.0	7.6
5 300			5.6	7.0
5 400			5.8	6.8
5 500			5.7	6.9
5 600			6.9	5.7
5 700			7.8	4.8
5 800			7.9	4.7
5 900			8.1	4.5
5 1000			8.3	4.3
5 1100			8.9	3.7
5 1146			9.0	3.6

(contd. S. MB 105, pg. 36)

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W. 110+00; 0+00 = N 16,200

Sta	+	H.I.	-	Elev
0		12.61	8.0	4.6
N 100			7.8	4.8
N 200			7.7	4.9
N 300			7.8	4.8
N 400			7.2	5.4
N 500			5.6	7.0
N 600			5.6	7.0
N 700			5.5	7.1
N 800			5.2	7.4
N 900			4.2	8.4
N 927			4.4	8.2
N 935			1.0	11.6
N 942			0.5	12.1

W. 109+00; 0+00 = N 17,167.68

0		0.7	11.9
57		1.3	11.3
513		4.2	8.4
5100		5.2	7.4
5200		5.6	7.0
5300		6.0	6.6
5400		6.5	6.1
5467		7.3	5.3

(cont'd S. NB. 105, P 942)

(cont'd S. NB. 105, P 944)
W. 108+00; 0+00 = N 16,550

Sta	+	H.I.	-	Elev
0		12.61	7.0	5.6
N 100			7.0	5.6
N 200			6.6	6.0
N 300			6.4	6.2
N 400			5.1	7.5
N 500			5.6	7.0
N 600			4.9	7.7
N 630			5.0	7.6
N 638			2.8	9.8
N 643			2.9	9.7

W. 107+00; 0+00 = N 17,218.95

0		8.9	3.7
5100		10.0	2.6
5124		10.1	2.5
5132		7.3	5.3
5200		7.0	5.6
5288		7.4	5.2
5294		6.4	6.2
5300		6.5	6.1
5400		6.5	6.1
5500		6.1	6.5
5600		7.0	5.6
5700		7.0	5.6
5800		7.4	5.2
5900		7.4	5.2

(cont'd S. NB. 105, P 941)

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W. 107+00 CONTD SOUTH

Sta	+	H.I.	-	Elev
51000		12.61	7.6	5.0
51019			7.6	5.0
W. 106+00; 0+00 = N. 16,990				
0 (Contd S. MB 105, Pg 49)				
N 100			5.9	6.7
N 200			4.7	7.9
N 255			4.7	7.9
W. 105+00; 0+00 = N. 16,250				
0 (Contd S. MB 105, Pg 52)				
N 100			7.8	4.8
N 200			7.9	4.7
N 300			7.8	4.8
N 400			6.8	5.8
N 500			6.6	6.0
N 600			6.4	6.2
N 700			5.8	6.8
N 754			5.4	7.2
N 800			4.2	8.4
N 873			2.0	10.6
TP			2.10	10.51

4.28 14.79

(Contd) S. MB 105, Pg 53

W. 104+00; 0+00 = N. 15,850

Sta	+	H.I.	-	Elev
0		14.79	11.0	3.8
N. 100			1.0.6	4.2
N. 200			10.6	4.2
N. 300			10.3	4.5
N. 400			9.8	5.0
N. 500			9.3	5.5
N. 600			8.3	6.5
N. 700			6.6	8.2
N. 770			4.0	10.8
W. 103+00; 0+00 = N. 15,650				
0 (Contd S. MB 105, Pg 54)				
N. 100			9.9	4.9
N. 200			9.5	5.3
N. 300			6.9	7.9
N. 355			5.1	9.7
W. 102+00; 0+00 = N. 15,650				
0			5.1	9.7
542			5.5	9.3
5100			8.7	6.1
5200			10.7	4.1
5210			11.8	3.0

Top Fill
De Anza Pt.Top fill
De Anza

(Contd) S. MB 96, Pg 53

(contd S. MB. 96, P. 50)
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W. 101+00; 0+00 = N. 15,200

Sta.	+	H.I.	-	Elev
0		14.79	13.6	1.2
N100			11.4	3.4
N189			9.9	4.9
N200			9.1	5.7
N254			5.4	9.4

Top Fill
De Anza

W. 100+00; 0+00 = N. 15,200

0 (contd S. MB. 96, P. 49)		11.7	3.1
N. 100		9.5	5.3
N. 124		8.6	6.2
N. 148		5.0	9.8

Top Fill
De Anza

W. 99+00; 0+00 = N. 15,200

0 (contd S. MB. 96, P. 48)		11.7	3.1
N. 60		8.4	6.4
N. 75		5.4	9.4

Top Fill
De Anza

TP. 1.85 12.94

3.50 16.44

B.M. 4.11 12.33-12.39

Change of PI # 10 From 995 (30)

Set By TRAVERSE

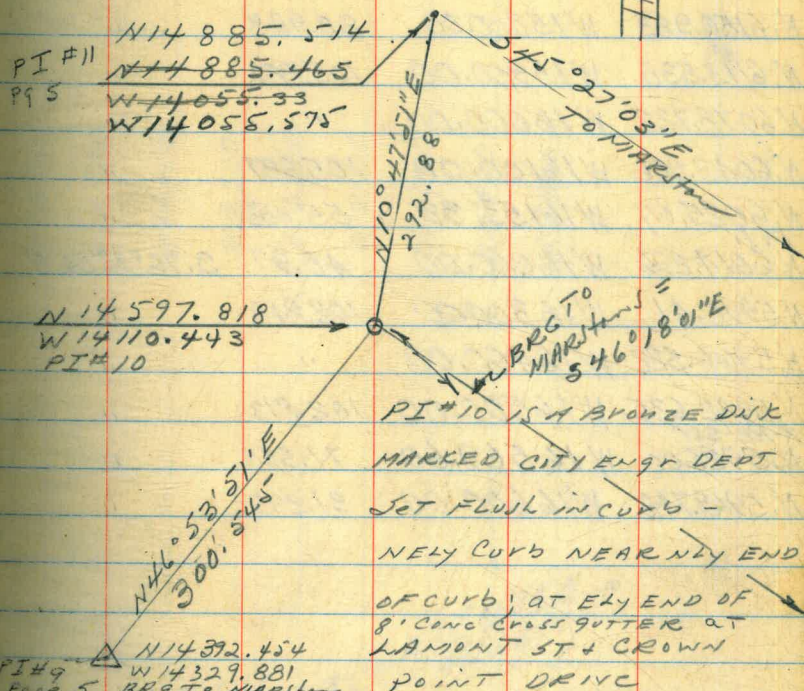
PI # 11
995
N 14885.514
N 14885.465
W 14055.33
W 14055.575

N 14597.818
W 14110.443
PI # 10

PI # 9
Page 5
N 14392.454
W 14329.881
BRG TO MARSTON
= 3470 20'43"E

Chisla N.W. Cor. Conc. Stoop De Anza Point
Sewage Pump House MB No 77

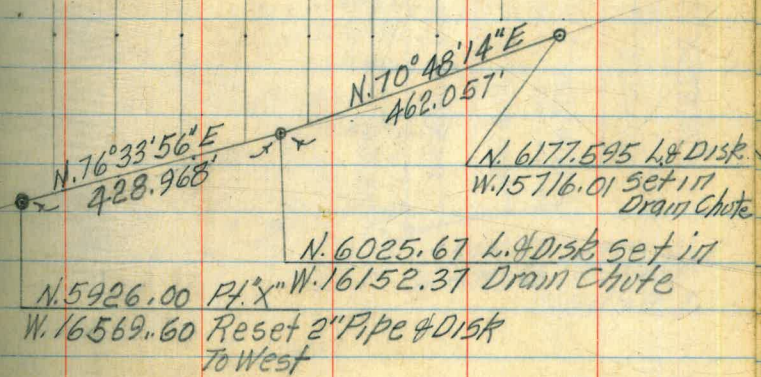
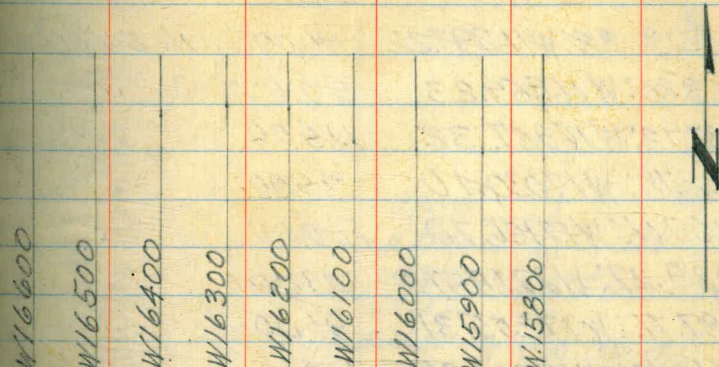
41



T.A. Stampel ©

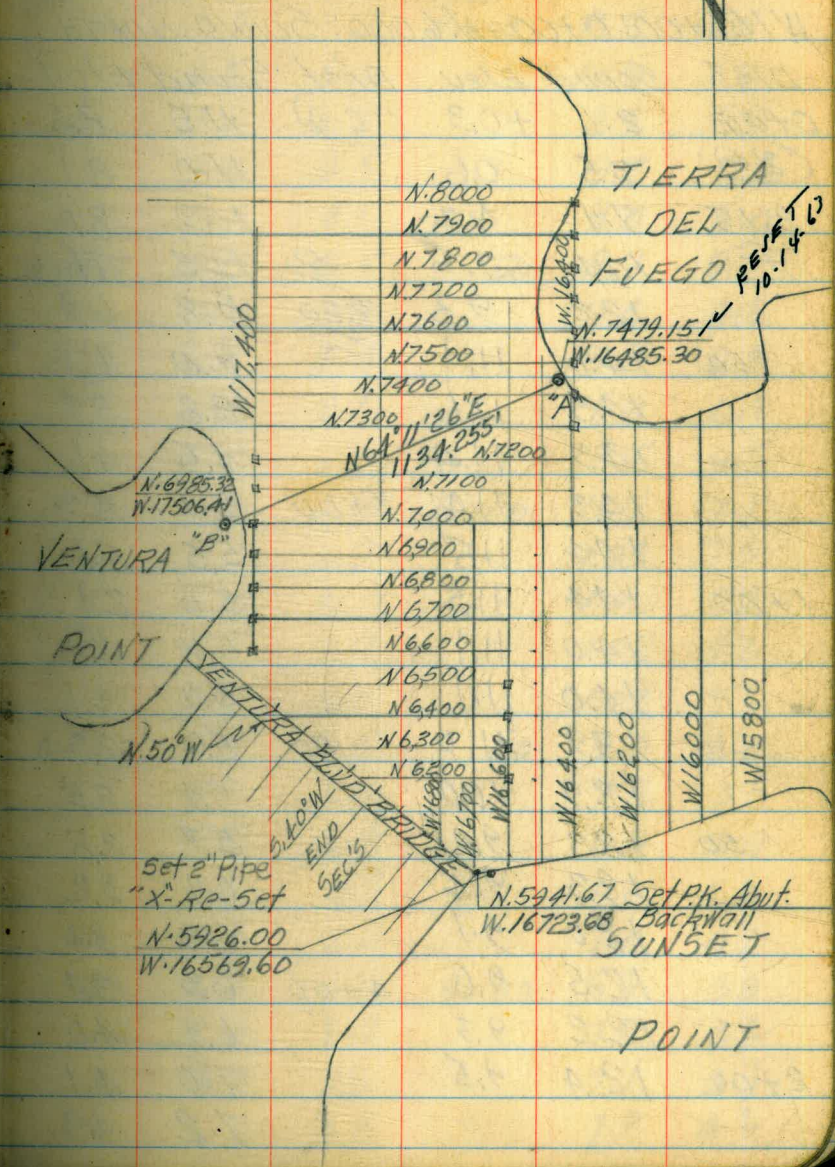
BASELINE FOR SOUNDINGS SHDAL AREA
VENTURA BRIDGE & VICINITY NO 65402

N. P.I.	W.	B/L Dist	Bearing
N. 6177.597	W 15716.002		5.70° 48' 14" W
N. 6150.983	W 15800.00	88.943	"
N. 6113.538	W 15900.00	105.887	"
N. 6078.722	W 16000.00	"	"
N. 6043.906	W 16100.00	105.887	"
N. 6025.67	W 16153.32	55.433	"
N. 6014.296	W 16200.00	48.97	5.76° 33' 56" W
N. 5990.41	W 16300.00	102.813	"
N. 5966.522	W 16400.00	"	"
N. 5942.635	W 16500.00	102.813	"
x- ^{Fe-set} N. 5926.00	W 16569.60	71.558	"
N. 5918.748	W 16600.00	31.255	"



SOUNDING BASELINE CONTD

N.	W.	B/L Dist	Bearing
N 6003.38	W 16797.22	96.00	N. 50°00' W
N 6063.80	W 16869.23	94.00	"
N 6137.72	W 16957.32	115.00	"
N 6198.78	W 17030.10	95.00	"
N 6263.06	W 17106.70	100.00	"
N 6329.27	W 17185.60	103.00	"
N 6387.76	W 17255.31	91.00	"
N 6460.40	W 17341.88	113.00	"
N 6521.46	W 17414.65	95.00	"
N 6584.46	W 17489.72	98.00	N. 50°00' W



4-11-58 W.O. 65402

Ref NB 87, Pg. 15
SOUNDINGS MISSION BAY AREA FOR
REMEDIAL DREDGING OF SHOAL AREAS

W.166+00; 0+00 = N. 6,000; SOUND NORTH

	Dist	Sound	Elev	Dist	Sound	Elev
	0+00	2.6	+0.3	(29)	11.5	8.6
	(29)	3.5	0.6		11.0	8.1
	<u>2:15</u>	7.1	4.2		10.9	8.0
		10.4	7.5	50	10.5	7.6
		12.2	9.3	<u>220</u>	9.8	6.9
	50	14.0	11.1		9.0	6.1
		14.5	11.6		8.8	5.9
		14.3	11.4		7.5	4.6
		14.3	11.4	3+00	5.1	2.2
		14.4	11.5		5.5	2.6
	1+00	14.4	11.5		5.0	2.1
		14.0	11.1		5.0	2.1
		14.0	11.1		5.0	2.1
		13.9	11.0	50	5.2	2.3
		12.9	10.0		5.4	2.5
	50	12.3	9.4		5.7	2.8
		12.3	9.4		6.1	3.2
		12.0	9.1		6.3	3.4
		12.5	9.6	4+00	6.3	3.4
		12.2	9.3		6.9	4.0
	2+00	12.4	9.5		7.0	4.1
					7.2	4.3

W.166+00 CONTD NORTH

(33)

Dist	Sound	Elev	Dist	Sound	Elev
(30)	7.7	4.7	(30)	6.0	3.0
50	8.0	5.0	7+00	8.5	5.5
	8.0	5.0		10.3	7.3
	7.7	4.7		8.9	5.9
	7.5	4.5		9.2	6.2
	7.1	4.1		9.0	6.0
5+00	6.5	3.5	50	8.7	5.7
	6.4	3.4		7.6	4.6
<u>2:25</u>	6.4	3.4		9.3	6.3
	5.1	2.1		9.3	6.3
	5.0	2.0		8.5	5.5
50	4.9	1.9	8+00	10.1	7.1
	4.9	1.9		10.3	7.3
	6.0	3.0		10.1	7.1
	5.7	2.7		10.2	7.2
	5.3	2.3		10.2	7.2
6+00	5.5	2.5	50	9.0	6.0
	5.8	2.8		7.8	4.8
	5.5	2.5		6.0	3.0
	5.5	2.5		5.6	2.6
	5.6	2.6		7.0	4.0
50	5.7	2.7	9+00	6.9	3.9
	6.0	3.0		7.2	4.2
	6.3	3.3		7.1	4.1
	6.2	3.2		7.2	4.2

W. 166+00 CONTD NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(30)	9.7	6.7	(31)	8.0	4.9
50	10.4	7.4	12+00	8.0	}
2:30	9.8	6.8		8.0	
	9.0	6.0		8.0	4.9
	7.1	4.1	2:35	8.9	5.8
	6.0	3.0		9.4	6.3
10+00	6.0	3.0	50	9.4	6.3
	7.9	4.9		9.5	6.4
	7.8	4.8		9.3	6.2
	7.7	4.7		9.3	}
	6.7	3.7		9.3	
50	8.0	5.0	13+00	9.3	6.2
	8.2	5.2		9.7	6.6
	8.2	5.2		9.7	6.6
	8.7	5.7		10.0	6.9
	8.5	5.5		10.0	6.9
11+00	8.8	5.8	50	10.0	6.9
	8.8	5.8		10.2	7.1
	8.5	5.5		10.2	7.1
	8.2	5.2		10.0	6.9
	8.0	5.0		8.2	5.1
50	8.0	}	14+00	5.7	2.6
	8.0			5.2	2.1
	8.0			4.5	1.4
	8.0		5.0	3.7	0.6

W. 166+00 CONTD NORTH

Dist	Sound	Elev
(31)	3.1	0.0
50	3.0	+0.1
	2.9	+0.2
	2.5	+0.6
	2.1	+1.0
	1.9	+1.2
15+00	1.8	+1.3

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N. 62+00; 0+00 = W. 16600; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(32)	6.7	3.5
(32)	12.0	8.8	50	7.5	4.3
<u>2:45</u>	11.0	7.8		8.2	5.0
	11.3	8.1		7.8	4.6
	11.7	8.5		7.4	4.2
50	11.4	8.2		7.3	4.1
	12.0	8.8	3+00	7.6	4.4
	11.0	7.8		8.3	5.1
	11.8	8.6		8.9	5.7
	12.0	8.8		8.8	5.6
1+00	12.0	8.8		9.0	5.8
	12.1	8.9	50	9.3	6.1
	11.4	8.2	<u>248</u>	9.3	6.1
	11.3	8.1		9.2	6.0
	10.6	7.4		9.3	6.1
50	11.1	7.9		10.3	7.1
	10.5	7.3	4+00	10.6	7.4
	8.8	5.6		10.0	6.8
	9.4	6.2	20	10.1	6.9
	9.9	6.7			
2+00	8.0	4.8			
	8.4	5.2			
	7.6	4.4			
	8.1	4.9			

(35)

N. 63+00; 0+00 = W. 16600; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(34)	5.7	2.3
(34)	5.8	2.4	50	5.9	2.5
	5.6	2.2		6.0	2.6
<u>3:00</u>	4.9	1.5		6.8	3.4
	4.8	1.4		7.0	3.6
50	6.1	2.7		8.0	4.6
	6.5	3.1	3+00	8.1	4.7
	6.0	2.6		8.3	4.9
	7.3	3.9		8.9	5.5
	6.4	3.0		8.9	5.5
1+00	6.5	3.1		8.1	4.7
	5.8	2.4	50	8.0	4.6
	6.0	2.6		8.9	5.5
	7.1	3.7		8.3	4.9
	7.3	3.9		9.0	5.6
50	6.4	3.0		8.6	5.2
	7.0	3.6	4+00	8.1	4.7
	7.3	3.9		8.1	4.7
	6.0	2.6		8.6	5.2
	5.6	2.2		8.6	5.2
2+00	5.6	2.2		9.5	6.1
	5.5	2.1	50	9.0	5.6
	3.9	0.5		7.7	4.3
	4.1	0.7		7.8	4.4

N. 63+00 CONTD. WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(35)	8.0	4.5			
<u>305</u>	8.0	4.5			
5+00	8.5	5.0			
	9.8	6.3			
	11.3	7.8			
30	12.8	9.3			

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(36)

N. 64+00: 0+00 = W. 16, 600; SOUND WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00			(35)	8.0	4.5
(35)	7.2	3.7	50	8.2	4.7
310	7.1	3.6		7.3	3.8
	6.6	3.1		7.8	4.3
	6.2	2.7		7.1	3.6
50	6.0	2.5		8.0	4.5
	6.0	2.5	3+00	8.3	4.8
	6.0	2.5		7.0	3.5
	6.1	2.6		7.1	3.6
	6.2	2.7		7.7	4.2
1+00	5.9	2.4		7.3	3.8
	5.4	1.9	50	6.8	3.3
	5.0	1.5		7.1	3.6
	4.4	0.9		7.2	3.7
	4.2	0.7		7.3	3.8
50	5.1	1.6		8.3	4.8
	7.1	3.6	4+00	8.3	4.8
	9.3	5.8		8.6	5.1
	10.0	6.5		9.0	5.5
	9.3	5.8		11.2	7.7
2+00	8.6	5.1		10.9	7.4
	8.3	4.8	50	10.4	6.9
	8.1	4.6		10.4	6.9
	8.0	4.5		10.3	6.8

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N. 64+00 CONTD WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(36)	11.2	7.6			
3:15	11.3	7.7			
5+00	12.0	8.4			
	13.1	9.5			
	13.2	9.6			
	15.0	11.4			
	15.1	11.5			
50	15.9	12.3			
	19.6	16.0			
	21.3	17.7			
	23.0	19.4			
	23.4	20.8			
6+00	24.4	20.8			
	25.2	21.6			
	25.4	21.8			
	26.1	22.5			
	26.1	22.5			
50	26.2	22.6			

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(37)

N. 65+00; 0+00 = W. 16,600; SOUND WEST

DIST	SOUND	ELEV.	DIST	SOUND	ELEV
0+00			(30)	6.1	3.1
(30)	6.2	3.2	50	6.3	3.3
	6.1	3.1		6.5	3.5
9:35	6.0	3.0		6.4	3.4
	9.6	6.6		7.5	4.5
50	10.1	7.1		7.6	4.6
	10.7	7.7	3+00	8.7	5.7
	11.2	8.2		8.6	5.6
	11.9	8.9		10.2	7.2
	12.3	9.3		10.3	7.3
1+00	12.7	9.7		10.3	7.3
	12.7	9.7	50	10.3	7.3
	12.4	9.4		10.4	7.4
	11.9	8.9		10.9	7.9
	11.1	8.1		11.0	8.0
50	10.4	7.4		11.3	8.3
	10.1	7.1	4+00	11.3	8.3
	9.8	6.8		12.2	9.2
	9.2	6.2		12.6	9.6
	7.9	4.9		13.0	10.0
2+00	7.8	4.8		13.1	10.1
	7.4	4.4	50	13.2	10.2
	8.0	5.0		13.8	10.8
	7.1	4.1		15.9	12.9

N. 65+00 CONTD WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(29)	15.9	13.0	(29)	20.7	17.8
	15.5	12.6		20.8	17.9
5+00	15.3	12.4	50	20.6	17.7
9:40	15.2	12.3	60	20.3	17.4
✓	15.2	12.3		20.3	17.4
	15.8	12.9			
	16.9	14.0			
50	17.1	14.2			
	17.6	14.7			
	17.9	15.0			
	17.9	15.0			
	18.3	15.4			
6+00	18.4	15.5			
	19.1	16.2			
	19.8	16.9			
	20.3	17.4			
	20.8	17.9			
50	21.3	18.4			
	21.3	18.4			
	21.0	18.1			
	20.4	17.5			
	20.4	17.5			
7+00	20.5	17.6			
	20.4	17.5			
	20.4	17.5			

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N. 66+00; 0+00 = W 17,400; SOUND EAST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00	10.0	7.4	(26)	16.9	14.3
(26)	10.2	7.6	50	16.9	14.3
9:58	10.3	7.7		17.0	14.4
	10.1	7.5		17.0	14.4
	9.6	7.0		16.7	14.1
50	9.6	7.0		16.0	13.4
	10.4	7.8	3+00	16.0	13.4
	11.2	8.6		15.9	13.3
	12.7	10.1		14.9	12.3
	13.1	10.5		14.9	12.3
1+00	13.7	11.1		14.8	12.2
	14.3	11.7	50	15.0	12.4
	15.5	12.9		14.6	12.0
	17.0	14.4	10:05	13.1	10.5
	16.4	13.8	✓	13.6	11.0
50	17.0	14.4		14.0	11.4
	17.0	14.4	4+00	13.7	11.1
	16.7	14.1		12.7	10.1
	16.8	14.2		14.0	11.4
	16.8	14.2		14.5	11.9
2+00	16.3	13.7		14.1	11.5
	16.6	14.0	50	14.0	11.4
	16.9	14.3		13.8	11.2
	16.8	14.2		13.4	10.8

N. 66+00; CONTD EAST

Dist	Sound	Elev	Dist	Sound	Elev
(25)	12.9	10.4	(25)	4.5	2.0
	12.3	9.8	10/10	4.4	1.9
5+00	11.6	9.1	50	4.3	1.8
	11.5	9.0		4.7	2.2
	10.9	8.4		4.7	
	10.3	7.8		4.7	
	10.6	8.1		4.7	2.2
50	10.4	7.9	8+00	4.9	2.4
	10.3	7.8			
	9.8	7.3			
	9.4	6.9			
	9.2	6.7			
6+00	8.9	6.4			
	8.9	6.4			
	9.4	6.9			
	9.7	7.2			
	10.3	7.8			
50	10.3	7.8			
	9.2	6.7			
	6.7	4.2			
	6.3	3.8			
	5.9	3.4			
7+00	5.3	2.8			
	4.8	2.3			
	4.3	1.8			

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(39)

N. 67+00; 0+00 = W 17,400; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	2.1	+0.3	(24)	12.3	9.9
(24)	5.0	2.6	50	12.7	10.3
10/17	6.3	3.9	10/20	13.3	10.9
	6.2	3.8		14.0	11.6
	6.9	4.5		14.8	12.4
50	7.9	5.5		14.9	12.5
	8.5	6.1	3+00	14.4	12.0
	9.0	6.6		14.1	11.7
	9.3	6.9		14.0	11.6
	10.2	7.8		13.8	11.4
1+00	10.1	7.7		13.0	10.6
	10.5	8.1	50	13.2	10.8
	11.2	8.8		13.1	10.7
	12.5	10.1		12.7	10.3
	13.0	10.6		13.0	10.6
50	12.8	10.4		11.2	8.8
	12.5	10.1	4+00	13.1	10.7
	12.3	9.9		13.4	11.0
	12.0	9.6		12.9	10.5
	12.1	9.7		14.4	12.0
2+00	12.2	9.8		13.5	11.1
	12.4	10.0	50	13.7	10.3
	12.9	10.5		13.2	10.8
	12.6	10.2		13.4	11.0

N. 67+00 CONTD EAST

Dist	Sound	Elev	Dist	Sound	Elev
(23)	13.9	11.6	(23)	11.3	9.0
	13.7	11.4		11.5	9.2
5+00	13.5	11.2	50	11.5	9.2
	12.7	10.4		11.0	8.7
	11.8	9.5		9.8	7.5
	11.1	8.8		8.4	6.1
	10.9	8.6		7.5	5.2
50	10.7	8.4	8+00	6.0	3.7
	10.7	8.4			
	11.0	8.7			
	11.0	8.7			
10+25	10.6	8.3			
6+00	10.4	8.1			
	10.1	7.8			
	9.1	6.8			
	8.7	6.4			
	9.0	6.7			
50	8.7	6.4			
	8.0	5.7			
	8.2	5.9			
	9.4	7.1			
	9.4	7.1			
7+00	9.4	7.1			
	10.0	7.7			
	10.5	8.2			

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(40)

N. 68+00; 0+00 = W 17,400; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	(20)	15.5	13.5		
(21)	50	15.5	13.5		
	0.3	+1.8	15.5	13.5	
10+37	1.4	+0.7	10+40	15.2	13.2
	2.2	0.1		15.2	13.2
50	3.0	0.9		15.2	13.2
	4.8	2.7	3+00	14.9	12.9
	6.6	6.5		14.4	12.4
	8.3	6.2		14.0	12.0
	8.4	6.3		13.6	11.6
1+00	9.3	7.2		13.1	11.1
	10.4	8.3	50	12.7	10.7
	11.3	9.2		12.4	10.4
	12.4	10.3		12.0	10.0
	12.8	10.7		11.0	9.0
50	12.8	10.7		10.3	8.3
	13.0	10.9	4+00	10.4	8.4
	13.9	11.8		12.2	10.2
	13.5	11.4		12.3	10.3
	13.4	11.3		14.1	12.1
2+00	13.6	11.5		13.8	11.8
	13.8	11.7	50	13.9	11.9
	13.1	13.6		13.9	11.9
	15.3	13.2		13.0	11.0

N. 68+00 CONTD EAST

Dist	Sound	Elev	Dist	Sound	Elev
(20)	13.6	11.6	(20)	8.3	6.3
	14.0	12.0		9.1	7.1
5+00	12.8	10.8	50	8.4	6.4
	13.7	11.7	10.45	6.1	4.1
	13.8	11.8	<u> </u>	5.5	3.5
	13.0	11.0		6.1	4.1
	12.8	10.8		7.2	5.2
50	12.4	10.4	8+00	7.9	5.9
	12.1	10.1			
	11.7	9.7			
	11.6	9.6			
	11.0	9.0			
6+00	11.0	9.0			
	10.9	8.9			
	10.4	8.4			
	10.4	8.4			
	10.2	8.2			
50	10.2	8.2			
	9.4	7.4			
	8.8	6.8			
	7.5	5.5			
	7.7	5.7			
7+00	7.1	5.1			
	7.1	5.1			
	7.4	5.4			

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(40)

N. 69+00; 0+00 = W. 17,400; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(18)	14.5	12.7
			50	14.4	12.6
				14.2	12.4
				13.8	12.0
				13.0	11.2
50				13.0	11.2
			3+00	13.0	11.2
				12.7	10.9
				12.3	10.5
				12.3	10.5
				12.3	10.5
			50	11.7	9.9
				11.0	9.2
				10.5	8.7
				10.5	8.7
				10.3	8.5
			50	12.0	10.2
				12.4	10.6
			4+00	10.0	8.2
				9.0	7.2
				9.4	7.6
				9.0	7.2
				10.5	8.7
			50	10.0	8.2
				10.0	8.2
				10.0	8.2

10:55
1:00
1:20
1:40
2:00

N. 69+00 CONTD EAST

Dist	Sound	Elev	Dist	Sound	Elev
(1.8)	10.5	8.7	(1.8)	8.8	7.0
	10.4	8.6		8.0	6.2
5+00	11.0	9.2	50	7.7	5.9
11+00	10.6	8.8		7.8	6.0
<u>11+00</u>	10.9	9.1		7.9	6.1
	11.0	9.2		7.2	5.4
	11.2	9.4		6.5	4.7
50	11.3	9.5	8+00	6.2	4.4
	10.7	8.9			
	10.4	8.6			
	9.6	7.8			
	10.4	8.6			
6+00	10.7	8.9			
	10.3	8.5			
	10.3	8.5			
	10.0	8.2			
	9.9	8.1			
50	9.8	8.0			
	9.8	8.0			
	9.5	7.7			
	9.0	7.2			
	10.3	8.5			
7+00	10.7	8.9			
	10.1	8.3			
	9.5	7.7			

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(42)

N. 70+00; 0+00 = W. 17,400' SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	(1.6)	12.9			11.3
	50	12.2			10.6
		12.2			10.6
		12.3			10.7
		12.0			10.4
	50	11.7			10.1
		11.6	3+00		10.0
		11.4			9.8
		11.0			9.4
		10.2			8.6
		10.5			8.9
		10.3	50		8.7
		9.2			7.6
		8.5			6.9
		7.7			6.1
	50	12.2			8.2
		10.6			6.6
		13.0	4+00		6.2
		11.4			4.6
		13.0			7.7
		13.0			6.1
		13.0			8.3
		13.0			6.7
		13.0			8.9
		11.4			7.3
	2+00	13.4			9.6
		11.8			8.0
		14.2			9.7
		12.6	50		8.1
		14.2			9.4
		12.6			7.8
		13.7			7.7

N. 70 +00 CONTD EAST			EAST		
DIST	Sound	Elev	DIST	Sound	Elev
(15)	8.8	7.3	(13)	6.0	4.5
	10.3	8.8		7.6	6.1
5+00	10.3	8.8	50	8.4	6.9
	10.0	8.5		8.2	6.7
	9.3	7.8		8.4	6.9
	9.1	7.6		7.3	5.8
	8.7	7.2		5.4	3.9
50	8.2	6.7	8+00	5.2	3.7
	9.4	7.9			
	9.8	8.3			
11:20	9.5	8.0			
✓	9.9	8.4			
6+00	9.1	7.6			
	8.4	6.9			
	6.1	4.6			
	8.0	6.5			
	9.6	8.1			
50	8.5	7.0			
	7.3	5.8			
	5.9	4.4			
	6.0	4.5			
	5.8	4.3			
7+00	5.3	3.8			
	6.2	4.7			
	6.8	5.3			

4-14-58 (13)

W. 167+00; 0+00 = N. 6,000; Sound NORTH

DIST	Sound	Elev	DIST	Sound	Elev
0+00	8.0	7.0	(1.0)	8.3	7.3
(10)	9.3	8.3	50	6.9	5.9
1:12	11.2	10.2	1:15	5.1	4.1
✓	12.4	11.4	✓	3.9	2.9
	14.0	13.0		4.2	3.2
50	12.8	11.8		6.0	5.0
	13.1	12.1	3+00	4.4	3.4
	12.4	11.4		4.3	3.3
	12.3	11.3		4.0	3.0
	12.2	11.2		2.3	1.3
1+00	12.1	11.1		2.3	1.3
	11.0	10.0	50	2.8	1.9
	10.4	9.4		2.9	1.9
	10.1	9.1		3.0	2.0
	9.3	8.3		3.0	2.0
50	8.7	7.7		3.0	2.0
	8.5	7.5	4+00	3.1	2.1
	8.5	7.5		3.1	2.1
	8.3	7.3		3.2	2.2
	9.4	8.4		3.3	2.3
2+00	9.0	8.0		3.0	2.0
	10.1	9.1	50	5.0	4.0
	10.1	9.1		10.1	9.1
	9.4	8.4		10.8	9.8

W167+00 CONTD NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(10)	10.5	9.5	(10)	7.1	6.1
	10.4	9.4		7.1	6.1
5+00	10.8	9.8	50	6.9	5.9
	10.5	9.5		8.3	7.3
	8.5	7.5		8.2	7.2
	4.1	3.1		6.5	5.5
	4.8	3.8		6.9	5.9
50	3.9	2.9	8+00	7.1	6.1
	3.5	2.5		7.6	6.6
	4.1	3.1		7.9	6.9
	5.1	4.1		8.1	7.1
	4.5	3.5		8.0	7.0
6+00	4.2	3.2	50	8.0	7.0
	4.6	3.6		8.7	7.7
	6.2	5.2		8.8	7.8
	7.0	6.0		9.2	8.2
	7.8	6.8		9.3	8.3
50	8.3	7.3	9+00	8.0	7.0
1:20	8.6	7.6		9.3	8.3
	9.8	8.8		7.9	6.9
	9.8	8.8		7.4	6.4
	8.3	7.3		7.4	6.4
7+00	8.2	7.2	50	5.4	4.4
	7.1	6.1		5.0	4.0
	7.9	6.9		6.0	5.0
				5.5	4.5
				5.0	4.0
			10+00	5.2	4.2

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W168+00; 0+00=N 6,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	15.3	14.2	(11)	4.0	2.9
(11)	14.0	12.9	50	5.5	4.4
1:33	11.0	9.9		6.0	4.9
	11.2	10.1		4.9	3.8
	11.3	10.2		4.0	2.9
50	11.0	9.9		3.5	2.4
	11.9		3+00	3.6	2.5
	11.0			4.4	3.3
	11.0			3.0	1.9
	11.0	9.9		2.8	1.7
1+00	10.2	9.1		2.5	1.4
	9.5	8.4	50	2.8	1.7
	9.3	8.2		3.0	1.9
	9.3			3.0	1.9
	9.3			4.8	3.7
50	9.3	8.2		6.9	5.8
	9.0	7.9	4+00	6.9	5.8
	8.2	7.1		8.2	7.1
	8.6	7.5		10.0	8.9
	8.0	6.9		11.4	10.3
2+00	8.2	7.1		12.0	10.9
	5.9	4.8	50	11.8	10.7
	5.2	4.1		11.3	10.2
	4.9	3.8		10.0	8.9

W. 168+00 CONTD NORTH

DIST	Sound	Elev	DIST	Sound	Elev
(1.1)	8.8	7.7	(1.2)	8.8	7.6
	6.3	5.2		8.7	7.5
5+00	5.9	4.8	50	9.0	7.8
<u>11.40</u>	5.3	4.2		10.1	8.9
	5.5	4.4		10.3	9.1
	5.4	4.3		10.0	8.8
	4.7	3.6		10.0	8.8
50	5.7	4.6	8+00	9.9	8.7
	6.0	4.9		10.4	9.2
	6.3	5.2		11.3	10.1
	5.2	4.1		11.5	10.3
	7.3	6.2		11.5	10.3
6+00	8.0	6.9	50	11.2	10.0
	7.6	6.5	<u>11.45</u>	10.9	9.7
	7.5	6.4		10.2	9.0
	7.5	6.4		10.2	9.0
	7.2	6.1		10.2	9.0
50	7.4	6.3	9+00	10.1	8.9
	6.5	5.4		9.7	8.5
	8.3	7.2		9.5	8.3
	8.2	7.1		9.3	8.1
	7.7	6.6		9.3	8.1
7+00	8.6	7.5	50	9.2	8.0
	9.0	7.9		9.0	7.8
	9.0	7.9		8.7	7.5
				8.2	7.0
				7.0	5.8
			10+00	7.6	6.4

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(45)

W. 165+00; 0+00=N. 5942.6			SOUND NORTH		
DIST	Sound	Elev	DIST	Sound	Elev
0+50			(13)	10.3	9.0
			3+00	10.2	8.9
				10.0	8.7
21+00	0.5	+0.8		10.1	8.8
	1.3	0.0		10.0	8.7
1+00	3.7	2.4		10.0	8.7
	8.0	6.7	50	9.6	8.3
	10.9	9.6		9.3	8.0
	12.3	11.0		8.3	7.0
	12.5	11.2		5.7	4.4
50	12.8	11.5		5.8	4.5
	12.7	11.4	4+00	5.7	4.4
	12.0	10.7		6.2	4.9
	12.0	10.7		6.2	4.9
	12.0	10.7		6.2	4.9
2+00	11.9	10.6		5.9	4.6
	11.4	10.1	50	6.0	4.7
	11.3	10.0		6.0	4.7
	11.0	9.7		5.5	4.2
	11.0	9.7		5.6	4.3
50	10.9	9.6		5.6	4.3
	10.3	9.0	5+00	5.8	4.5
	10.2	8.9		6.2	4.9
	10.2	8.9		6.3	5.0

W. 165+00 CONT'D NORTH

DIST	Sound	Elev	DIST	Sound	Elev
(1.4)	6.3	4.9	(7.4)	7.9	6.5
	6.4	5.0		7.5	6.1
50	6.4	5.0	8+00	7.3	5.9
	6.4	5.0		6.5	5.1
	7.0	5.6		5.4	4.0
	7.9	6.5		4.8	3.4
	7.9	6.5		5.3	3.9
6+00	7.6	6.2	50	4.9	3.5
	7.0	5.6		4.7	3.3
<u>2.05</u>	6.6	5.2		4.2	4.8
	6.2	4.8		4.6	3.2
	6.0	4.6		5.9	4.5
50	5.7	4.3	9+00	5.8	4.4
	5.3	3.9		8.0	6.6
	5.1	3.7		7.5	6.1
	5.0	3.6		7.0	5.6
	4.9	3.5		5.0	3.6
7+00	4.9	3.5	50	4.8	3.4
	4.9	3.5		4.8	3.4
	5.9	4.5		5.7	4.3
	7.0	5.6		6.1	4.7
	8.0	6.6		6.2	4.8
50	8.2	6.8	10+00	6.2	4.8
	8.2	6.8		6.3	4.9
	8.0	6.6		7.1	5.7

W. 165+00 NORTH 4-14-58

(46)

DIST	Sound	Elev	DIST	Sound	Elev
(1.4)	7.2	5.8	(1.4)	7.5	6.1
	6.0	4.6		7.3	5.9
50	5.9	4.5	13+00	7.3	5.9
<u>3.10</u>	5.9	4.5		7.8	6.4
	7.0	5.6		8.1	6.7
	7.7	6.3		8.1	6.7
	7.9	6.5		7.3	5.9
11+00	7.9	6.5	50	6.0	4.6
	7.4	6.0		4.1	2.7
	6.2	4.8		2.7	1.3
	6.1	4.7		1.4	0.0
	6.3	4.9		1.3	+0.1
50	6.9	5.5			
	7.2	5.8			
	7.2	5.8			
	7.2	5.8			
	7.1	5.7			
12+00	7.0	5.6			
	6.9	5.5			
	6.4	5.0			
	6.4	5.0			
	7.0	5.6			
50	7.3	5.9			
	7.6	6.2			
	7.5	6.1			

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W. 164+00; 0+00 = N 5966.5; SOUND NORTH			SOUND NORTH		
Dist	Sound	Elev	Dist	Sound	Elev
0+20			(34)	12.8	9.4
(35)				13.1	9.7
				12.5	9.1
50				12.0	8.6
<u>9:55</u>	0.6	+2.9	3+00	12.3	8.9
	1.4	+2.1		11.8	8.4
	2.3	+1.2		11.6	8.2
	3.0	+0.5		11.4	8.0
1+00	3.9	0.4		12.5	9.1
	9.0	5.5	50	11.7	8.3
	12.8	9.3		11.8	8.4
	13.7	10.2		11.8	8.4
	14.6	11.1		12.0	8.6
50	14.5	11.0		13.2	9.8
	14.8	11.3	4+00	12.2	8.8
	14.5	11.0	<u>10:00</u>	11.6	8.2
	14.2	10.7		10.5	7.1
	14.2	10.7		10.5	7.1
2+00	14.1	10.6		11.0	7.6
	13.8	10.3	50	11.2	7.8
	13.8	10.3		10.9	7.5
	13.4	9.9		10.7	7.3
	13.2	8.7		10.1	6.7
50	12.6	9.1		10.0	6.6

W. 164+00 NORTH

Dist	Sound	Elev	Dist	Sound	Elev
5+00	10.2	6.9	50	8.6	5.3
(33)	10.4	7.1	(33)	8.6	5.3
	10.5	7.2	<u>10:05</u>	8.8	5.5
	10.7	7.4		8.8	5.5
	10.4	7.1		8.4	5.1
50	9.8	6.5	8+00	7.9	4.6
	9.3	6.0		7.6	4.3
	9.1	5.8		7.3	4.0
	9.7	6.4		7.5	4.2
	10.1	6.8		8.3	5.0
6+00	10.3	7.0	50	8.3	5.0
	10.5	7.2		8.3	5.0
	10.3	7.0		7.9	4.6
	10.3	7.0		7.5	4.2
	10.1	6.8		7.0	3.7
50	8.5	5.2	9+00	6.7	3.4
	7.1	3.8		5.6	2.3
	7.0	3.7		6.4	3.1
	7.1	3.8		8.3	5.0
	7.2	3.9		8.5	5.2
7+00	7.2	3.9	50	8.0	4.7
	7.4	4.1		6.8	3.5
	7.7	4.4		7.6	4.3
	8.5	5.2		8.7	5.4
	8.5	5.2		8.4	5.1

W. 164+00 CONTD NORTH

Dist	Sound	Elev	Dist	Sound	Elev
10+00	8.4	5.2	50	8.3	5.1
(32)	9.0	5.8	(32)	8.3	5.1
	9.8	6.6		8.3	5.1
	10.2	7.0		7.1	3.9
	10.4	7.2		6.0	2.8
50	10.1	6.9	13+00	4.1	0.9
	9.9	6.7		3.0	+0.2
	9.7	6.5	10+13	2.6	+0.6
	9.7	6.5		2.0	+1.2
	9.7	6.5		1.7	+1.5
11+00	9.3	6.1	50	1.3	+1.9
	9.5	6.3			
	9.3	6.1			
<u>10+10</u>	9.0	6.8			
	8.6	5.4			
50	9.6	6.4			
	10.0	6.8			
	9.4	6.2			
	9.1	5.9			
	9.0	5.8			
12+00	8.8	5.6			
	9.0	5.8			
	9.0	5.8			
	8.3	5.1			
	8.2	5.0			

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(48)

W. 163+00; 0+00 = N. 5990.4; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
8+60	9.1	+2.1	(31)	11.0	7.9
(31)	2.0	+1.1	1025	9.8	6.7
1022	2.4	+0.7		11.2	8.1
1+00	3.8	0.7		11.7	8.6
	7.5	4.4	50	10.8	7.7
	10.2	9.1		12.2	9.1
	12.2	9.1		11.9	8.8
	13.5	10.4		12.1	9.0
50	14.3	11.2		12.2	9.1
	14.3	11.2	4+00	12.2	9.1
	14.0	10.9		12.8	9.7
	14.0	10.9		11.4	8.3
	13.7	10.6		9.9	6.8
2+00	13.7	10.6		11.4	8.3
	13.4	10.3	50	11.9	8.8
	12.9	9.8		11.7	8.6
	12.9	9.8		10.7	7.6
	12.3	9.1		10.0	6.9
50	12.0	8.9		9.8	6.7
	12.0	8.9	5+00	9.4	6.3
	12.2	9.1		9.7	6.6
	12.2	9.1		9.4	6.3
	12.0	8.9		9.5	6.4
3+00	11.9	8.8		9.3	6.2

W163+00 CONT'D NORTH

Dist	Sound	Elev	Dist	Sound	Elev
50	9.0	6.0	8+00	9.0	6.0
(3.0)	9.0	6.0	(3.0)	9.3	6.3
	9.4	6.4		10.1	7.1
	11.0	8.0		10.3	7.3
	11.3	8.3		10.2	7.2
6+00	11.3	8.3	50	9.9	6.9
	10.2	7.2		9.7	6.7
	10.6	7.6		9.1	6.1
	10.3	7.3		9.1	6.1
	10.0	7.0		9.2	6.2
50	9.8	6.8	9+00	9.2	6.2
	9.6	6.6		9.2	6.2
	9.9	6.9		9.3	6.3
	9.9	6.9		9.6	6.6
	9.9	6.9		9.9	6.9
7+00	9.7	6.7	50	9.9	6.9
10.30	9.9	6.9		10.1	7.1
↘	10.0	7.0		10.3	7.3
	10.1	7.1		10.4	7.4
	10.1	7.1		10.4	7.4
50	9.9	6.9	10+00	10.8	7.8
	9.9	6.9		10.7	7.7
	9.8	6.8		10.4	7.4
	9.3	6.3		10.9	7.9
	9.1	6.1		10.9	7.9

W163+00 NORTH 4-15-58

Dist	Sound	Elev	Dist	Sound	Elev
50	10.7	7.8			
(2.9)	10.4	7.5			
	10.2	7.3			
	10.3	7.4			
	10.3	7.4			
11+00	10.3	7.4			
	10.2	7.3			
	9.8	6.9			
	10.0	7.1			
	11.0	8.1			
50	11.0	8.1			
	11.1	8.2			
10.35	11.5	8.6			
↘	11.5				
	11.5				
12+00	11.5	8.6			
	10.0	7.1			
	8.0	5.1			
	5.2	2.3			
	3.3	0.4			
50	2.9	0.0			
	2.4	+0.5			
	1.9	+1.0			

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W162+00; 0+00-N. 60/4. 3; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+70	0.1	+2.7	(2.7)	10.5	7.8
(28)	1.0	+1.8	<u>10.50</u>	9.5	6.8
<u>10.45</u>	1.7	+1.1		11.2	8.5
1+00	2.5	+0.3		11.5	8.8
	4.8	2.0	50	12.0	9.3
	8.0	5.2		11.5	8.8
	9.0	6.2		11.5	8.8
	10.0	7.2		12.0	9.3
50	11.0	8.2		11.3	8.6
	12.9	10.1	4+00	10.5	7.8
	13.0	10.2		11.0	8.3
	13.8	11.0		10.6	7.9
	14.1	11.3		11.2	8.5
2+00	14.8	12.0		10.0	7.3
	14.8	12.0	50	9.9	7.2
	14.5	11.7		10.0	7.3
	14.0	11.2		10.3	7.6
	13.2	10.4		10.5	7.8
50	13.0	10.2		10.3	7.6
	12.8	10.0	5+00	9.4	6.7
	11.7	8.9		9.3	6.6
	11.8	9.0		9.2	6.5
	10.9	8.1		9.2	6.5
3+00	11.0	8.2		9.2	6.5

W. 162+00 NORTH

(50)

Dist	Sound	Elev	Dist	Sound	Elev
50	9.2	6.6	8+00	10.0	7.5
(26)	9.3	6.7	(25)	10.2	7.7
<u>10.55</u>	9.3	6.7		10.2	7.7
	9.3	6.7		10.1	7.6
	9.8	7.2	<u>11.00</u>	9.8	7.3
6+00	10.2	7.6	<u>50</u>	8.8	6.3
	10.4	7.8		8.0	5.5
	10.4	7.8		7.4	4.9
	10.1	7.5		7.6	5.1
	9.7	7.1		7.8	5.3
50	9.3	6.7	9+00	8.0	5.5
	9.0	6.4		8.2	5.7
	8.3	5.7		9.0	6.5
	9.0	6.4		9.6	7.1
	9.4	6.8		9.6	7.1
7+00	9.6	7.0	50	9.7	7.2
	9.6	7.0		9.7	7.2
	10.4	7.8		9.8	7.3
	10.9	8.3		10.1	7.6
	11.0	8.4		10.2	7.7
50	10.8	8.2	10+00	10.5	8.0
	10.5	7.9		10.6	8.1
	10.3	7.7		10.8	8.3
	10.0	7.4		10.8	8.3
	9.9	7.3		10.8	8.3

W162+00 CONTD NORTH

Dist Sound Elev

50	10.7	8.2
(25)	11.1	8.6
	11.1	8.6
	11.1	8.6
	11.0	8.5
11+00	10.9	8.4
	10.4	7.9
	10.2	7.7
	10.1	7.6
	10.8	8.3
50	10.6	8.1
11:05	10.3	7.8
✓	10.1	7.6
	8.8	6.3
	6.9	4.4
12+00	5.2	2.7
	2.8	0.3
	2.0	+0.5
	1.3	+1.2
50		

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(5)

W.161+00; 0+00=N6043.9; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+80			(22)	11.0	8.8
(22)	0.5	+1.7	11:25	11.0	8.8
1+00	1.1	+1.1	✓	11.4	9.2
	1.9	+0.3	50	11.4	9.2
	3.2	1.0		11.2	9.0
	6.2	4.0		11.0	8.8
	8.0	5.8		11.1	8.9
50	9.3	7.1		11.3	9.1
	11.1	8.9	4+00	10.1	7.9
	12.6	10.4		10.0	7.8
11:20	13.2	11.0		11.0	8.8
✓	14.1	11.9		11.2	9.0
2+00	14.1	11.9		12.1	9.9
	14.7	12.5	50	11.8	9.6
	15.0	12.8		11.1	8.9
	15.1	12.9		10.5	8.3
	14.3	12.1		10.2	8.0
50	14.1	11.9		10.5	8.3
	13.1	10.9	5+00	10.2	8.0
	12.7	10.5		10.6	8.4
	11.4	9.2		11.0	8.8
	10.1	7.9		11.1	8.9
3+00	11.0	8.8		10.9	8.7
	11.0	8.8	50	11.0	8.8

W. 161+00 CONTD NORTH

Dist	Sound	Elev	Dist	Sound	Elev
	10.8	8.7	(2.1)	10.1	8.0
(2.1)	10.9	8.8		10.1	8.0
	11.0	8.9		10.3	8.2
11:30	10.5	8.4		10.1	8.0
6+00	10.3	8.2	50	10.0	7.9
	10.3	8.2		10.0	7.9
	10.3	8.2		9.0	6.9
	10.7	8.6		8.9	6.8
	10.9	8.8		9.0	6.9
50	10.8	8.7	9+00	9.1	7.0
	10.6	8.5		9.0	6.9
	11.1	9.0		8.8	6.7
	11.2	9.1		8.8	6.7
	11.7	9.6		8.1	6.0
7+00	11.7	9.6	50	8.1	6.0
	11.0	8.9	11:35	8.2	6.1
	9.9	7.8		8.4	6.3
	10.0	7.9		9.0	6.9
	10.0	7.9		9.9	7.8
50	9.0	6.9	10+00	10.2	8.1
	9.0			10.5	8.4
	9.0			10.8	8.7
	9.0	6.9		10.5	8.4
	9.1	7.0		10.3	8.2
8+00	9.9	7.8	50	10.2	8.1

W. 161+00 CONTD NORTH 4-15-58 (52)

Dist	Sound	Elev	Dist	Sound	Elev
(2.0)	10.3	8.3			
	11.1	9.1			
	11.6	9.6			
	12.0	10.0			
11+00	12.2	10.2			
	12.0	10.0			
	12.0	10.0			
	10.5	8.5			
	9.4	7.4			
50	8.0	6.0			
	6.5	4.5			
11+00	5.0	3.0			
	2.8	0.8			
	1.7	+0.3			
12+00					

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N. 6003.38; W. 16792.22 = 0+00; SOUND 5.40°W

Dist	Sound	Elev	Dist	Sound	Elev
0+00	15.3	13.7			
(1.6)	16.7	15.1			
2/11	17.8	16.2			
≡	17.5	15.9			
	16.7	15.1			
50	15.2	13.6			
	13.5	11.9			
	12.7	11.1			
	15.6	14.0			
	17.1	15.5			
1+00	18.0	16.4			
	18.9	17.3			
	20.7	19.1			
	21.9	20.3			
	22.4	20.8			
50	21.8	20.2			
	22.0	20.4			
	21.7	20.1			
	21.5	19.9			
	21.7	20.1			
2+00	21.8	20.2			

53

N. 6063.80; W. 16869.23 = 0+00; SOUND 5.40°W

Dist	Sound	Elev	Dist	Sound	Elev
0+00	12.7	11.1			
(1.6)	14.9	13.3			
	15.7	14.1			
220	16.4	14.8			
≡	15.5	13.9			
50	14.6	13.0			
	14.6	13.0			
	15.0	13.4			
	15.8	14.2			
	18.7	17.1			
1+00	21.2	19.6			
	21.9	20.3			
	22.8	21.2			
	22.3	20.7			
	22.3	20.7			
50	22.3	20.7			
	22.0	20.4			
2+00					

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N. 6137.72; W. 16957.32 = 0+00; SOUND S. 40° W

Dist Sound Elev Dist Sound Elev

0+00 9.8 8.1

7.7 10.6 8.92.23 11.2 9.5 11.5 9.8 11.2 9.5

50 10.4 8.7

13.0 11.3

16.5 14.8

18.2 16.5

19.1 17.4

1+00 19.8 18.1

20.0 18.3

22.0 20.3

23.0 21.3

23.3 21.6

50 23.4 21.7

2+00

54

N. 6198.78; W. 17030.10 = 0+00; SOUND S. 40° W

Dist Sound Elev Dist Sound Elev

0+00 9.8 8.1

17 10.9 9.2

12.0 10.3

2130 12.4 10.7 11.6 9.9

50 12.2 10.5

13.3 11.6

16.0 14.3

20.2 18.5

23.3 21.6

1+00 23.5 21.8

23.2 21.7

23.5 21.8

26.4 24.7

25.0 23.3

50 23.2 21.5

23.5 21.8

23.7 22.0

23.4 21.7

21.9 20.2

2+00 22.0 20.3

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N. 6263.06; W 17106.70 = 0+00; SOUND S. 40° W

DIST	SOUND	ELEV
0+00	8.1	6.3
(18)	8.3	6.5
2:38	9.0	7.2
<u>5</u>	10.1	8.3
	10.0	8.2
50	11.4	9.6
	12.6	10.8
	15.6	13.8
	17.0	15.2
	18.9	17.1
1+00	20.4	18.6
	21.0	19.2
	21.5	19.7
	22.7	20.9
	23.0	21.2
50	24.9	23.1

55

N. 6329.27; W 17185.60 = 0+00; SOUND S. 40° W

DIST	SOUND	ELEV
0+00	19.0	17.1
(19)	21.5	19.6
	21.8	19.9
2:43	22.7	20.8
	22.5	20.6
50	21.9	20.0
Rock ~	18.1	16.2
	19.7	17.8
	18.5	16.6
	17.4	15.5
1+00	18.9	17.0
	21.1	19.2
	22.3	20.4
	23.0	21.1
	22.8	20.9
50	23.8	21.9

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N. 6387.76; W. 17255.31 = 0+00; SOUND S. 40° W

Dist Sound Elev

0+00 24.8 22.8

(20) 24.9 22.9

25.0 23.0

21:50 25.2 23.2

25.2 23.2

50 25.2 23.2

Rock ~ 18.2 16.2

22.4 20.4

24.0 22.0

24.0 22.0

1+00 24.0 22.0

24.4 22.4

24.8 22.8

24.7 22.7

24.5 22.5

50 24.4 22.4

(56)

N. 6460.40; W. 17341.88; = 0+00; SOUND S. 40° W

Dist Sound Elev

0+00 21.2 19.1

(21) 24.5 22.4

24.5 22.4

3:00 24.4 22.3

24.0 21.9

50 23.2 21.1

20.2 18.1

Rock ~ 18.8 16.7

21.4 19.3

21.7 19.6

1+00 22.1 20.0

21.7 19.6

21.5 19.4

20.9 18.8

20.8 18.7

50 21.0 18.9

N. 6521.46; W. 17414.65 = 0+00; SOUND S. 40° W

Dist Sound Elev

0+00 17.0 14.8

(22) 17.5 15.3

17.5 15.3

3105 17.5 15.3

15.3 13.1

50 14.8 12.6

14.1 11.9

14.0 11.8

14.3 12.1

14.8 12.6

1+00 15.0 12.8

15.7 13.5

15.8 13.6

15.8 13.6

16.0 13.8

50 16.3 14.1

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(57)

W. 160+00; 0+00 = N. 6078.72; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+50 (15) 11.8 10.3

(15) 3+00 11.4 9.9

10.9 9.4

1245 10.9 9.4

0.1 +1.4 10.4 8.9

1+00 0.5 +1.0 10.8 9.3

1.0 +0.5 50 10.5 9.0

1.9 0.4 10.4 8.9

3.8 2.3 10.4 8.9

6.3 4.8 10.0 8.5

50 8.3 6.8 10.0 8.5

9.4 7.9 4+00 10.0 8.5

9.8 8.3 8.7 7.2

10.3 8.7 9.0 7.5

11.0 9.5 8.9 7.4

2+00 11.6 10.1 9.0 7.5

11.8 10.3 50 8.8 7.3

12.1 10.6 8.5 7.0

12.4 10.9 8.2 6.7

13.0 11.5 9.1 7.6

50 13.2 11.7 8.9 7.4

13.2 11.7 5+00 9.1 7.6

12.9 11.4 9.0 7.5

12.3 10.8 9.0 7.5

4-15-58

W. 159+00; 0+00 = N6113.54; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+70			(14)	11.9	10.5
(14)				11.7	10.3
<u>11.03</u>				11.2	9.8
1+00	0.2	+1.2		10.8	9.4
	0.7	+0.7	50	10.3	8.9
	1.5	0.1		10.0	8.6
	4.4	3.0		7.4	6.0
	6.3	4.9		9.4	8.0
50	7.2	5.8		10.0	8.6
	7.2	5.8	4+00	10.0	
	8.2	6.8		10.0	
	8.2	6.8		10.0	8.6
	10.8	10.4		9.6	8.2
2+00	11.8	10.4		8.8	7.4
	12.3	10.9	50	9.0	7.6
	12.3	10.9		9.9	8.5
	12.3	10.9		10.0	8.6
	12.0	10.6		10.0	8.6
50	11.5	10.1		10.1	8.7
	11.8	10.4	5+00	9.0	7.6
	12.0	10.6		8.8	7.4
	11.9	10.5		9.1	7.7
	12.4	11.0		9.2	7.8
3+00	11.8	10.4		9.0	7.6

W. 159+00; NORTH

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Dist	Sound	Elev	Dist	Sound	Elev
50	8.8	7.4	8+00	8.7	7.3
(14)	9.2	7.8	(14)	8.6	7.2
110	9.7	8.3		8.4	7.0
<u>110</u>	9.9	8.5		8.3	6.9
	9.5	8.1		8.3	
6+00	9.2	7.8	50	8.3	
	9.4	8.0		8.3	6.9
	9.3	7.9		8.8	7.4
	9.1	7.7		9.0	7.6
	9.1	7.7		9.0	7.6
50	10.1	8.7	9+00	8.9	7.5
	10.6	9.2		9.0	7.6
	10.7	9.3		9.0	7.6
	10.4	9.0	<u>11.15</u>	9.0	7.6
	10.2	8.8		8.8	7.4
7+00	9.9	8.5	50	8.3	6.9
	10.1	8.7		9.0	7.6
	10.1	8.7		9.2	7.8
	10.2	8.8		10.0	8.6
	10.0	8.6		11.0	9.6
50	10.1	8.7	10+00	11.4	10.0
	10.1	8.7		11.8	10.4
	9.8	8.4		11.3	9.9
	9.0	7.6		11.2	9.8
	8.6	7.2		10.6	9.2

W. 159+00 CONTD NORTH

Dist Sound Elev

50	8.9	7.5
(14)	9.1	7.7
	9.3	7.9
	8.3	6.9
	7.1	5.7
11+00	6.3	4.9
	5.9	4.5
	4.8	3.4
	3.4	2.0
	2.0	0.6
50	1.1	+0.3

12+00

4-15-58

(60)

W 158+00: 0+00 = N 6148.35: SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+70			(14)	13.0	11.6
(14)				11.8	10.4
<u>11.28</u>				11.3	9.9
1+00	0.2	+1.2		11.2	9.8
	0.6	+0.8	50	10.2	8.8
	1.5	0.1		9.0	7.6
	4.0	2.6		8.8	7.4
	7.2	5.8		9.5	8.1
50	8.0	6.6		10.0	8.6
	9.0	7.6	4+00	10.0	8.6
11:30	10.1	8.7		10.2	8.8
11:30	10.2	8.8		10.0	8.6
	11.0	9.6		9.8	8.4
2+00	11.7	10.3		9.9	8.5
	11.8	10.4	50	9.9	8.5
	12.0	10.6		9.8	8.4
	12.2	10.8		10.0	8.6
	13.1	11.7		10.5	9.1
50	13.8	12.4		10.7	9.3
	14.3	12.9	5+00	10.2	8.8
	14.2	12.8		9.9	8.5
	14.5	13.1		10.0	8.6
	14.8	13.4		10.5	9.1
3+00	13.4	12.0		10.4	9.0

W. 158+00 CONTD NORTH			W. 158+00 NORTH		
DIST	Sound	Elev	DIST	Sound	Elev
50	10.0	8.6	8+00	10.1	8.7
(14)	10.8	9.4	(1A)	10.2	8.8
<u>11.35</u>	10.8	9.4		10.4	9.0
<u> </u>	10.0	8.6		10.2	8.8
	8.9	7.5		10.4	9.0
6+00	8.4	7.0	50	11.0	9.6
	9.0	7.6		10.5	9.1
	8.6	7.2		10.0	8.6
	9.0	7.6		9.9	8.5
	9.5	8.1		8.4	7.0
50	9.2	7.8	9+00	8.0	6.6
	10.0	8.6		7.9	6.5
	9.0	7.6	<u>11.45</u>	7.8	6.4
	8.3	6.9	<u> </u>	7.3	5.9
	8.0	6.6		8.2	6.7
7+00	7.0	5.6	50	9.3	7.9
	8.1	6.7		10.5	9.1
11.40	8.1	6.7		11.1	9.7
<u> </u>	8.9	7.5		11.4	10.0
	9.9	8.5		10.8	9.4
50	9.0	7.6	10+00	10.5	9.1
	10.2	8.8		10.8	9.4
	10.2	8.8		9.5	8.1
	10.2	8.8		8.5	7.1
	10.0	8.6		8.6	7.2

W. 158+00 NORTH 4-15-58 (6)

DIST	Sound	Elev
50	8.1	6.6
(15)	7.9	6.4
	7.3	5.8
	7.5	6.0
	7.2	5.7
11+00	7.0	5.5
	6.9	5.4
	6.9	5.4
<u>11.50</u>	7.0	5.5
<u> </u>	7.0	5.5
50	6.2	4.7
	6.9	5.4
	5.9	4.4
	5.2	3.7
	5.0	3.5
12+00	1.3	+0.2

NOTE: For Additional Sed's This Area
 See M.B. F.B. No 97
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4-16-58

(See F.B. NB. No 94 For B/L Sketch
PROFILE ALONG W. SIDE VENTURA

BLVD BRIDGE; 0+00 = B/L S. END BR.

	Dist	Sound	Elev	Dist	Sound	Elev
	0+50	3.7	0.7	(28)	12.0	9.1
(30)		5.0	2.0		12.5	9.6
		7.0	4.0	3+00	12.1	9.2
<u>11:05</u>		11.2	8.2		11.2	8.3
		12.4	9.4		11.2	8.3
1+00		14.0	11.0		12.1	9.2
		16.2	13.2		11.0	8.1
		16.5	13.5	50	10.2	7.3
		15.0	12.0		10.8	8.9
		14.7	11.7		10.5	7.6
50		15.0	12.0		10.9	8.0
		16.2	13.2		12.0	9.1
		16.0	13.0	4+00	12.3	9.4
		15.2	12.3		12.6	9.7
		15.1	12.2		12.1	9.2
2+00		15.5	12.6		12.9	10.0
<u>11:10</u>		15.3	12.4		11.7	8.8
		15.3	12.4	50	10.3	7.4
(29)		14.8	11.9		11.2	8.3
		14.0	11.1		12.2	9.3
50		12.8	9.9		10.9	7.0
		12.0	9.1		10.4	7.5
		12.0	9.1	5+00	10.8	7.9

WLY PROFILE CONTD NLY. (62)

	Dist	Sound	Elev	Dist	Sound	Elev
(28)		12.0	9.2	(26)	18.8	16.2
		12.3	9.5		19.0	16.4
<u>11:15</u>		12.0	9.2	<u>11:30</u>	18.0	15.4
		12.7	9.9		18.0	15.4
50		13.2	10.4	8+00	19.0	16.4
		14.5	11.7		19.4	16.8
		15.7	12.8		18.8	16.2
		15.8	13.0		18.2	15.6
		17.4	14.6		18.0	15.4
6+00		18.8	18.0	50	17.9	15.3
<u>11:20</u>		20.8	18.0	<u>11:35</u>	17.3	14.7
Rock Begins		18.4	15.7	End Rock	17.5	15.0
		19.2	16.5	(25)	17.0	14.5
		19.0	16.3		16.5	14.0
50		17.9	15.2	9+00	16.2	13.7
		18.5	15.8		15.2	12.7
		18.4	15.7		14.0	11.5
		18.7	16.0		12.8	10.3
		17.7	15.0		14.0	11.5
7+00		19.0	16.3	50	11.0	8.5
<u>11:25</u>		18.7	16.0		10.2	7.7
(27)		18.8	16.1		8.7	6.2
		19.1	16.4		3.8	1.3
		19.0	16.3		2.1	+0.4
50		18.2	15.5	10+00	1.7	+0.8

4-18-58
 (See MB.F.B.N. 94 For Bl. Sketch)
 PROFILE ALONG ELY SIDE OF VENTURA
 BRIDGE; 0+00 = S. END BRIDGE

Dist	Sound	Elev	Dist	Sound	Elev
0+50			(46)	13.2	8.6
(46)	10.3	5.7		13.2	8.6
	11.5	6.9	3+00	11.9	7.3
9:45	13.9	9.3		10.8	6.2
	16.0	11.4		11.8	7.2
1+00	16.2	11.6		11.8	
	17.2	12.6	9:50	11.8	
	18.0	13.4	50	11.8	7.2
	17.0	12.4		12.2	7.6
	14.8	10.2		13.3	8.7
50	14.8	10.2		13.5	8.9
	15.6	11.0		12.8	8.2
	15.3	11.7	4+00	11.0	6.4
	15.5	11.9		11.8	7.2
	14.7	10.1		12.0	7.4
2+00	15.0	10.4		12.2	7.6
	13.8	9.2		12.0	7.4
	14.2	9.6	50	12.0	7.4
	13.8	9.2		11.9	7.3
	13.6	9.0		12.0	7.4
50	13.4	8.8		12.3	7.7
	14.0	9.4		12.3	7.7
	12.3	7.7	5+00	12.8	8.2

ELY PROFILE CONTD N'LY. (63)

Dist	Sound	Elev	Dist	Sound	Elev
	12.3	7.8	(44)	22.0	17.6
(45)	10.0	5.5		22.8	18.4
	10.3	5.8	End Rock	22.8	18.4
	12.3	7.8		24.0	19.6
50	14.8	10.3	8+00	22.8	18.4
	14.8	10.3	10:10	21.9	17.5
	13.0	8.5		23.0	18.6
	12.4	7.9		21.8	17.4
Benin Rock	12.7	8.2		20.4	16.0
6+00	14.7	10.2	50	21.8	17.4
9:55	15.8	11.3		21.4	17.0
	18.0	13.5		20.7	16.3
	19.0	14.5		20.5	16.1
	18.8	14.3		19.6	15.2
50	21.2	16.7	9+00	19.2	14.8
	21.4	16.9		18.6	14.2
10:00	20.3	15.8		17.2	12.8
	21.0	16.5		16.8	12.4
	22.7	18.2		13.7	9.3
7+00	22.9	18.4	50	10.8	6.4
	22.0	17.5		10.8	6.4
	22.8	18.3		9.8	5.4
	23.7	19.2		7.1	2.7
	22.9	18.4		5.2	0.8
50	22.8	18.3	10+00	3.3	+1.1

4-16-58

N. 71+00; 0+00 = W. 17,400; SOUND EAST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+60			3+00	12.4	10.8
<u>1.6</u>			<u>1.10</u>	12.3	10.7
1.2	+0.4			11.9	10.3
<u>1.07</u>	5.7	4.1	<u>1.6</u>	11.6	10.0
1+00	7.9	6.3		11.3	9.7
	9.4	7.8	50	10.8	9.2
	10.8	9.2		10.1	8.5
	12.2	10.6		9.9	8.3
	12.7	11.1		9.6	8.0
50	13.0	11.4		10.3	8.1
	13.5	11.9	4+00	10.0	8.4
	14.0	12.4		9.0	7.4
	13.9	12.3		8.8	7.2
	13.8	12.2		8.6	7.0
2+00	13.7	12.1		9.0	7.4
	13.5	11.9	50	9.0	7.4
	13.3	11.7		9.7	8.1
	13.1	11.5		9.3	7.7
	13.2	11.6		9.8	8.2
50	12.9	11.3		10.2	8.6
	12.4	10.8	5+00	10.1	8.5
	12.1	10.5		9.9	8.3
	12.1	10.5		9.4	7.8
	12.6	11.0		9.3	7.7

N 71+00 EAST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
	8.8	7.2		6.9	5.3
50	8.0	6.4	8+00	7.1	5.5
<u>1.6</u>	7.3	5.7	<u>1.6</u>	6.9	5.3
	7.9	6.3		6.9	5.3
	7.9	6.3		6.8	5.2
	8.2	6.6		6.4	4.8
6+00	9.1	7.5	50	6.5	4.9
	11.0	9.4		7.0	5.4
	11.1	9.5		7.8	7.2
	9.9	8.3		8.1	6.5
	6.7	5.1		7.2	5.6
50	7.1	5.5	9+00	7.1	5.5
<u>1.15</u>	7.0	5.4		7.0	5.4
	6.9	5.3		7.6	6.0
	6.8	5.2		7.9	6.3
	7.0	5.4		8.0	6.4
7+00	7.1	5.5	50	7.3	5.7
	6.8	5.2		7.5	5.9
	6.3	4.7	<u>1.20</u>	7.5	5.9
	6.2	4.6		7.5	5.9
	6.3	4.7		7.4	5.8
50	6.7	5.1	10+00	7.4	5.8
	6.7	5.1			
	6.9	5.9			
	6.9	5.9			

4-16-58

N. 72+00; 0+00 = W. 17, 400; SOUND EAST

Dist Sound Elev Dist Sound Elev

0+40			(1.5)	10.7	9.2
50	1.5	0.0		10.1	8.6
(1.5)	5.7	4.2	3+00	9.7	8.2
<u>11.27</u>	8.3	6.8		10.0	8.5
	9.5	8.0		10.1	8.6
	11.0	9.5		10.2	8.7
1+00	12.0	10.5		9.8	8.3
	13.0	11.5	50	9.5	8.0
	13.2	11.7		9.3	7.8
	13.5	12.0	<u>11.30</u>	9.2	7.7
	13.5	12.0	<u>—</u>	9.9	8.4
50	14.0	12.5		9.4	7.9
	13.4	11.9	4+00	8.3	6.8
	13.7	12.2		8.0	6.5
	14.1	12.6		7.6	6.1
	14.2	12.7		7.2	5.7
2+00	14.1	12.6		7.0	5.5
	14.2	12.7	50	7.0	5.5
	14.0	12.5		7.1	5.6
	13.4	11.9		6.8	5.3
	13.1	11.6		6.5	5.0
50	12.4	10.9		4.6	3.1
	11.9	10.4	5+00	6.4	4.9
	11.2	9.7		7.9	6.4

N. 72+00 EAST.

Dist Sound Elev Dist Sound Elev

(1.5)	7.9	6.4	(1.5)	6.8	5.3
	7.1	5.6		6.9	5.4
	8.4	6.9	<u>11.35</u>	6.7	5.2
50	9.3	7.8	8+00	6.5	5.0
	8.8	7.3		6.5	5.0
	9.2	7.7		6.6	5.1
	8.8	7.3		6.6	5.1
	9.4	7.9		6.7	5.2
6+00	8.2	6.7	50	7.1	5.6
	4.9	3.4		7.4	5.9
	7.0	5.5		7.5	6.0
	6.0	4.5		7.4	5.9
	6.2	4.7		7.4	5.9
50	7.6	6.1	9+00	7.7	6.2
	9.9	8.4		7.7	6.2
	8.9	7.4		7.8	6.3
	8.3	6.8		7.9	6.4
	8.0	6.5		7.9	6.4
7+00	7.9	6.4	50	7.9	6.4
	8.0	6.5		7.9	6.4
	8.0	6.5		7.8	6.3
	7.3	5.8		7.3	5.8
	6.8	5.3		7.1	5.6
50	7.0	5.5	10+00	7.0	5.5
	7.0	5.5			

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4-17-58

N.73+00; 0+00 = W.16400; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.0	+1.2	42	11.7	7.5
42	3.0	+1.2	50	11.5	7.3
	3.1	+1.1		11.3	7.1
10:10	3.4	+0.8		11.4	7.2
	3.5	+0.7		11.4	7.2
50	3.9	+0.3		11.0	6.8
	4.1	+0.1	3+00	11.1	6.9
	4.5	1.3		11.1	6.9
	5.3	1.1		11.1	6.9
	6.0	1.8		11.0	6.8
1+00	6.6	2.4		11.6	7.4
	7.4	3.2	50	11.8	7.6
	8.7	4.5		11.4	7.2
	9.3	5.1		11.4	7.2
	10.3	6.1		11.3	7.1
50	11.0	6.8		11.7	7.5
	11.4	7.2	4+00	11.9	7.7
	11.0	6.8		8.8	4.6
	10.8	6.6		8.2	4.0
	10.8	6.6		10.2	6.0
2+00	10.3	6.1		11.3	7.1
	10.5	6.3	50	8.0	3.8
	10.2	6.0		8.3	4.1
	10.8	6.6		7.6	3.4

N.73+00 WEST

Dist	Sound	Elev	Dist	Sound	Elev
41	9.3	5.2	40	12.1	8.1
10:15	8.8	4.7		12.3	8.3
5+00	8.3	4.2	50	12.3	8.3
	8.4	4.3		12.8	8.8
	8.4	4.3		13.0	9.0
	10.5	6.4		14.4	10.4
	9.6	5.5		14.4	10.4
50	10.4	6.3	8+00	14.4	10.4
	9.1	5.0		14.1	10.1
	8.1	4.0		15.5	11.5
	9.7	5.6		15.8	11.8
	10.7	6.6	10:20	16.0	12.0
6+00	9.7	5.6	50	16.0	12.0
	8.3	4.2		15.6	11.6
	9.1	5.0		16.0	12.0
	10.0	5.9		15.8	11.8
	10.9	6.8		15.4	11.4
50	11.2	8.1	9+00	15.7	11.7
	11.3	8.2		15.7	11.7
	11.9	7.8		15.2	11.2
	12.0	7.9		15.0	11.0
	12.0	7.9		15.0	11.0
7+00	11.6	7.5	50	14.8	10.8
	11.6	7.5		14.4	10.4
	12.1	8.0		13.9	9.9

N. 73+00 CONTD WEST

Dist	Sound	Elev	Dist	Sound	Elev
(40)	12.7	8.7			
	11.0	7.0			
10+00	8.9	4.9			
	6.0	2.0			
	4.8	0.8			
<u>1023</u>	4.4	0.4			
	3.8	+0.2			
50	3.5	+0.5			
	3.2	+0.8			
	2.9	+1.1			
	2.2	+1.8			

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N. 74+00; 0+00 = W. 16400; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
⁰⁺⁹⁰ 1+00	0.5	+3.4	(39)	12.8	8.9
	1.1	+2.8	50	12.0	8.1
(3)	1.6	+2.3		12.0	8.1
	2.0	+1.9			
1030	2.2	+1.7	1035	11.6	7.7
<u> </u>	2.4	+1.5	<u> </u>	11.7	7.8
50	2.9	+1.0		11.4	7.5
	3.3	+0.6	4+00	12.0	8.1
	4.0	0.1		11.1	7.2
	4.8	0.9		10.7	6.8
	6.0	2.1		9.6	5.7
2+00	8.6	4.7		10.2	6.3
	10.6	6.7	50	9.1	5.2
	12.1	8.2		9.4	5.5
	13.2	9.3		9.0	5.1
	13.2	9.3		9.9	6.0
50	13.2	9.3		9.9	6.0
	13.0	9.1	5+00	9.8	5.9
	13.5	9.6		8.9	5.0
	13.7	9.8		8.8	4.9
	13.4	9.5		9.0	5.1
3+00	13.1	9.2		9.4	5.5
	13.1	9.2	50	10.0	6.1
	13.0	9.1		8.9	5.0
	13.0	9.1		6.9	3.0

N. 74+00 CONTD WEST

DIST	Sound	Elev	DIST	Sound	Elev
(38)	7.1	3.3	(38)	12.0	8.2
	7.0	3.2		12.0	8.2
6+00	8.6	4.8	50	12.5	8.7
	9.5	5.5		12.8	9.0
	7.3	3.5		12.8	9.0
	7.2	3.4		12.4	8.6
	9.0	4.2		13.0	9.2
50	11.1	7.3	9+00	15.0	11.2
	11.8	8.0		14.4	10.6
	12.3	8.5		14.6	10.8
	11.7	7.9		14.6	10.8
	11.7	7.9		14.6	10.8
7+00	11.3	7.5	50	16.2	12.4
	10.8	7.0		16.1	12.3
	10.3	6.5		15.9	12.1
	9.9	6.1		16.0	12.2
	9.9	6.1		16.1	12.3
50	10.1	6.3	10+00	16.2	12.4
10+00	10.3	6.5		16.7	12.9
	10.4	6.6		16.4	12.6
	10.7	6.9		16.1	12.3
	10.3	6.5		15.7	11.9
8+00	10.6	6.8	50	15.0	11.2
	10.7	6.9		13.7	9.9
	11.7	7.9		12.3	8.5

N. 74+00 WEST

DIST	Sound	Elev	DIST	Sound	Elev
(38)	11.1	7.3	(37)	10.4	6.7
	9.9	6.1		10.1	6.4
11+00	7.9	4.1	50	9.9	6.2
10+45	6.9	3.0		10.0	6.3
	4.9	1.1		11.4	7.7
	4.5	0.7		12.8	9.1
	4.4	0.6		13.0	9.3
50	4.3	0.5	14+00	13.0	9.3
	4.0	0.2		13.0	9.3
	3.8	0.0		11.6	7.9
	3.7	+0.1		10.7	7.0
	3.5	+0.3		10.5	6.8
12+00	3.5	+0.3	50	10.4	6.7
	3.5	+0.3		10.2	6.5
	3.6	+0.2		10.0	6.3
	3.8	0.0		10.1	6.4
	4.0	0.2		10.9	7.2
50	4.1	0.3	15+00	11.3	7.6
	4.9	1.1		11.2	7.5
	6.0	2.2		11.2	7.5
	6.5	2.7		11.2	7.5
	7.2	3.4		11.5	7.8
13+00	9.2	5.4	50	12.2	8.5
	9.4	5.6		13.5	9.8
1055	10.0	6.2		13.5	9.8
				13.5	9.9
				13.1	9.4
			16+00	13.1	9.4

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N.75+00; 0+00 = W. 16.500; SOUND WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
⁰⁺⁰⁰ 1+00	1.5	+1.7	<u>3.2</u>	11.0	7.8
<u>3.2</u>	2.7	+0.5	50	11.0	7.8
	3.4	0.2		10.3	7.1
<u>1113</u>	5.1	1.9		9.2	6.0
	6.2	3.0		8.9	5.7
50	7.5	4.3		9.0	5.8
	9.2	6.0	4+00	9.3	6.1
	11.2	8.0		9.0	5.8
<u>1115</u>	13.1	9.9	<u>11:20</u>	9.0	5.8
	13.5	10.3		8.5	5.3
2+00	14.5	11.3		7.9	4.7
	14.7	10.5	50	8.0	4.8
	14.7	10.5		7.0	3.8
	14.0	10.8		6.6	3.4
	13.8	10.6		6.2	3.0
50	12.0	8.8		6.5	3.3
	11.0	7.8	5+00	6.3	3.1
	11.1	7.9		6.3	
	11.0	7.8		6.3	
	11.3	8.1		6.3	3.1
3+00	11.3	8.1		6.6	3.4
	11.4	8.2	50	8.2	5.0
	11.0	7.8		7.2	4.0
	11.5	8.3		6.9	3.7

N.75+00 WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
<u>3.1</u>	9.0	5.9	<u>3.0</u>	8.6	5.6
	10.1	7.0		8.6	5.6
6+00	10.1	7.0	50	8.5	5.5
	11.1	8.0		8.1	5.1
	10.9	7.8		6.9	3.9
	10.8	7.7		6.5	3.5
	10.7	7.6		7.0	4.0
50	10.4	7.3	9+00	8.3	5.3
	9.8	6.7		8.8	5.8
	8.7	5.6		12.0	9.0
<u>11:25</u>	7.8	4.7	<u>11:30</u>	13.0	10.0
	7.8	4.7		14.2	11.2
7+00	8.1	5.0	50	14.3	11.3
	8.0	4.9		15.5	12.5
	6.7	3.6		15.1	12.1
	6.1	3.0		14.5	11.5
	7.4	4.3		14.0	11.0
50	7.7	4.6	10+00	14.5	11.5
	7.8	4.7		14.7	11.7
	7.5	4.4		14.3	11.3
	8.1	5.0		14.0	11.0
	8.0	4.9		13.4	10.4
8+00	8.1	5.0	50	13.5	10.5
	8.2	5.1		13.9	10.9
	8.5	5.4		13.7	10.7

N. 75+00 CONTD WEST

Dist	Sound	Elev	Dist	Sound	Elev
(30)	13.5	10.5	(29)	12.2	9.3
	13.0	10.0		11.6	8.7
11+00	9.9	6.9	50	10.0	7.1
	8.9	5.9		8.9	6.0
<u>11.35</u>	9.2	6.2		9.0	6.1
	9.6	6.6		8.7	5.8
	9.2	6.2		8.3	5.4
50	9.7	6.7	14+00	9.0	6.1
	9.9	6.9	<u>11.40</u>	9.0	6.1
	9.8	6.8		9.1	6.2
	11.1	8.1		9.6	6.7
	12.2	9.2		10.1	7.2
12+00	13.0	10.0	50	10.2	7.3
	13.0	10.0		10.3	7.4
	12.9	9.9		10.3	7.4
	12.2	9.2		10.4	7.5
	12.3	9.3		10.5	7.6
50	12.2	9.2	15+00	11.0	8.1
	12.0	9.0		11.1	8.2
	11.8	8.8		11.3	8.4
	11.2	8.2		11.4	8.5
	11.4	8.4		11.4	8.5
13+00	12.0	9.0	50	11.5	8.6
	12.5	9.5		11.5	8.6
	12.3	9.3		11.7	8.8

N75+00 WEST 4-17-58

Dist	Sound	Elev
(28)	11.5	8.7
	11.5	8.7
16+00	11.0	8.2
	10.6	7.8
	10.1	7.3
	9.7	6.9
	9.2	6.4
50	8.9	6.1
	8.9	6.1
<u>11.45</u>	9.0	6.2
	9.2	6.4
	8.5	5.7
17+00	7.3	4.5
	6.0	3.2
	5.1	2.3
	3.2	0.4
	2.1	+0.7

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N.76+00; 0+00 = W.16,500; SOUND WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
1+40	0.5 1.1	7.1 7.0	(20)	7.2	5.2
50	1.6	+ 0.5		7.7	5.7
(2)	2.1	0.0	4+00	8.1	6.1
	3.5	1.4		9.0	7.0
<u>12:45</u>	5.1	3.0		8.8	6.8
	7.0	4.9		8.7	6.7
2+00	9.7	7.6	<u>12:50</u>	8.9	6.9
	11.6	9.5	50	8.9	6.9
	12.3	10.2		8.8	6.8
	12.8	10.7		8.1	6.1
	13.0	10.9		8.2	6.2
50	13.1	11.0		7.5	5.5
	13.1	11.0	5+00	6.5	4.5
	12.8	10.7		6.7	4.7
	11.9	9.8		6.9	4.9
	10.4	8.3		6.9	4.9
3+00	10.7	8.6		7.3	5.3
	10.0	7.9	50	7.0	5.0
	10.3	8.2		6.0	4.0
	9.9	7.8		6.1	4.1
	9.6	7.5		6.6	4.6
50	9.0	6.9		6.6	4.6
	8.8	6.7	6+00	6.8	4.8
	7.0	4.9		6.5	4.5

N.76+00 WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(20)	5.8	3.8	(20)	4.8	2.8
	7.8	5.8		4.4	2.4
	10.0	8.0		6.1	4.1
50	10.4	8.4	9+00	6.3	4.3
	7.8	5.8		5.6	3.6
	7.3	5.3		6.0	4.0
	6.3	4.3		6.0	
	6.0	4.0		6.0	
7+00	7.6	5.6	50	6.0	
	6.8	4.8		6.0	4.0
	7.4	5.4		6.2	4.2
	4.8	2.8		6.0	4.0
	6.2	4.2		6.0	4.0
50	7.0	5.0	10+00	6.4	4.4
	7.0	5.0		7.1	5.1
	8.0	6.0		7.1	5.1
<u>12:55</u>	8.0	6.0		6.9	4.9
	5.8	3.8		6.7	4.7
8+00	4.9	2.9	50	7.1	5.1
	5.2	3.2		8.0	6.0
	5.2	3.2		8.4	6.4
	6.3	4.3		9.1	7.1
	6.5	4.3		9.0	7.0
50	6.2	4.2	11+00	9.4	7.4
	5.1	3.1		9.8	7.8

N.76+00 CONTD WEST

DIST	Sound	Elev	DIST	Sound	Elev
(19)	9.6	7.7	(19)	11.1	9.2
	9.1	7.2		10.5	8.6
	9.1	7.2		9.2	7.3
50	9.8	7.9	14+00	9.3	7.4
	9.8			9.7	7.8
11:00	9.8			9.8	7.9
	9.8	7.9		10.1	8.2
	10.0	8.1		10.3	8.4
12+00	11.0	9.1	50	10.4	8.5
	11.3	9.4		10.7	8.8
	11.9	10.0		10.7	8.8
	12.1	10.2		10.7	8.8
	11.9	10.0		10.3	8.4
50	11.4	9.5	15+00	9.8	7.9
	11.7	9.8		9.4	7.5
	11.3	9.4		9.7	7.8
	11.0	9.1		10.0	8.1
	10.5	8.6		10.0	8.1
13+00	10.7	8.8	50	10.0	8.1
	10.7	8.8		9.8	7.9
	10.8	8.9		9.8	7.9
	10.8	8.9		10.0	8.1
	10.3	8.4		10.3	8.4
50	11.0	9.1	16+00	10.5	8.6
	11.2	9.3		10.2	8.3

N.76+00 WEST

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(72)

DIST	Sound	Elev
(19)	10.0	8.1
	9.8	7.9
11:05	9.5	7.6
50	9.1	7.2
	9.0	7.1
	9.0	7.1
	9.2	7.3
	9.2	7.3
17+00	9.1	7.2
	8.2	6.3
	6.3	4.4
	5.7	3.8
	5.0	3.1
50	3.2	1.3

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N.77+00; 0+00 = W.16,600; SOUND WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+50			(18)	9.8	8.0
(18)	0.5	+1.3	3+00	9.7	7.9
	1.0	+0.8	1125	9.6	7.8
<u>1120</u>	1.7	+0.1	<u> </u>	9.3	7.5
	3.1	1.3		8.3	6.5
1+00	5.3	3.5		8.1	6.3
	6.6	4.8	50	7.5	5.7
	8.5	6.7		8.1	6.3
	9.4	7.6		8.6	6.8
	10.1	8.3		8.5	6.7
50	11.1	9.3		7.8	6.0
	11.1	9.3	4+00	7.8	6.0
	11.0	9.2		7.6	5.8
	11.4	9.6		7.4	5.6
	11.0	9.2		7.3	5.5
2+00	9.8	8.0		7.0	5.2
	9.8	}	50	7.3	5.5
	9.8			7.3	5.5
	9.8			7.0	5.2
	9.8	8.0		6.3	4.5
50	10.0	8.2		6.3	4.5
	9.9	8.1	5+00	7.2	5.4
	9.6	7.8		7.3	5.5
	9.6	7.8		7.3	5.5

N.77+00 WEST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(18)	7.7	5.9	(17)	7.6	5.9
	7.2	5.4		8.2	6.5
50	6.1	4.3	8+00	9.1	7.4
	6.1	4.3		9.2	7.5
	6.5	4.7	<u>1130</u>	9.2	7.5
	7.2	5.4	<u> </u>	9.2	7.5
	6.1	4.3		8.1	6.4
6+00	5.5	3.7	50	7.1	5.4
	4.9	3.1		7.1	
	6.5	4.7		7.1	
	7.1	5.3		7.1	
	6.0	4.2		7.1	
50	5.4	3.6	9+00	7.1	5.4
	5.3	3.5		6.6	4.9
	7.1	5.3		6.3	4.6
	7.3	5.5		6.1	4.4
	7.4	5.6		6.2	4.5
7+00	7.0	5.2	50	6.9	5.2
	6.8	5.0		7.1	5.4
	6.7	4.9		7.9	6.2
	7.0	5.2		8.0	6.3
	7.0	5.2		8.1	6.4
50	7.0	5.2	10+00	8.3	6.6
	6.8	5.0		8.4	6.7
	7.1	5.3		8.6	6.9

N.77+00 CONTD WEST

DIST	Sound	Elev.	DIST	Sound	Elev
(17)	9.2	7.5	(17)	9.8	8.1
	9.1	7.4		9.8	8.1
50	8.8	7.1	13+00	10.0	8.3
	8.3	6.6	<u>11.40</u>	10.0	8.3
<u>135</u>	8.2	8.5		10.0	8.3
<u>5</u>	8.9	7.2		10.2	8.5
	9.0	7.3		10.8	7.1
11+00	9.3	7.6	50	10.5	8.8
	9.8	8.1		10.0	8.3
	9.8	8.1		10.0	8.3
	9.8	8.1		10.0	8.3
	10.0	8.3		10.1	8.4
50	11.0	9.3	14+00	10.1	8.4
	11.0			10.0	8.3
	11.0			10.0	8.3
	11.0			9.5	7.8
<u>11.38</u>	11.0	9.3		9.2	7.5
12+00	11.1	9.4	50	9.0	7.3
	11.1	9.4		8.9	7.2
	10.7	9.0		8.9	7.2
	10.3	8.6		9.0	6.3
	10.1	8.4		8.4	6.7
50	9.8	8.1	15+00	8.1	6.4
	9.8	8.1		8.1	6.4
	9.8	8.1		8.3	6.6
	9.8	8.1		8.3	6.6
				8.0	6.3
			50	7.2	5.5

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N.78+00; 0+00 = W.16550; SOUND WEST					
DIST	Sound	Elev	DIST	Sound	Elev
0+60			3+00	10.3	8.7
(17)			(18)	9.9	8.3
				7.5	5.9
				9.1	7.5
1+00				9.3	7.7
	0.0	+1.7	50	9.0	7.4
	0.5	+1.2		9.0	7.4
<u>11.58</u>	1.1	+0.6		9.1	7.5
	2.2	0.5		9.1	7.5
50	3.8	2.1		8.9	7.3
	4.5	2.8	4+00	8.9	7.3
	6.3	4.6		8.5	6.9
	7.4	5.7		8.5	6.9
	7.8	7.1		8.3	6.7
2+00	8.0	6.3		8.1	6.5
	8.3	6.6	50	8.8	7.2
	5.9	4.2		8.3	6.7
<u>2:00</u>	7.0	5.3		8.2	6.6
	7.5	5.8	<u>2:05</u>	8.3	6.7
50	8.0	6.3		8.4	6.8
	7.5	5.8	5+00	8.5	6.9
	8.3	6.6		8.5	6.9
	10.0	8.3		8.0	6.4
	10.2	8.5		7.5	5.9

N. 78+00 CONTD WEST					
Dist	Sound	Elev	Dist	Sound	Elev
(16)	7.1	5.5	(16)	8.5	6.9
50	6.9	5.3	8+00	8.6	7.0
	7.0	5.4		8.8	7.2
	7.1	5.5		8.8	7.2
	7.4	5.8		8.3	6.7
	7.5	5.9		8.2	6.6
6+00	7.8	6.2	50	8.0	6.4
	7.3	5.7		7.7	6.1
	7.0	5.4		7.7	6.1
	7.1	5.5		7.4	5.8
	7.9	6.3		7.6	6.0
50	7.9	6.3	9+00	8.2	6.6
	7.8	6.2	2:10	8.7	7.1
	7.3	5.7	→	8.8	7.2
	6.8	5.2		8.2	6.6
	6.5	4.9		8.2	6.6
7+00	6.2	4.6	50	8.5	6.9
	6.5	4.9		8.8	7.2
	7.3	5.7		9.0	7.4
	8.0	6.4		8.8	7.2
	8.3	6.7		8.7	7.1
50	8.2	6.6	10+00	8.0	6.4
	8.2	6.6		7.3	5.7
	8.7	7.1		7.0	5.4
	8.8	7.2		7.0	5.4

N. 78+00 WEST 4-17-58					
Dist	Sound	Elev	Dist	Sound	Elev
(16)	7.1	5.5	(16)	8.3	6.7
50	7.4	5.8	13+00	8.2	6.6
	8.1	6.5		8.3	6.7
	8.3	6.7		8.5	6.9
	8.5	6.9		9.0	7.4
	8.6	7.0		9.1	7.5
11+00	9.0	7.4	50	9.2	7.6
	9.3	7.7		9.5	7.9
	10.1	8.5		9.5	7.9
	10.3	8.7		10.0	8.4
	10.2	8.6		9.8	8.2
50	10.0	8.4	14+00	9.9	8.3
	9.9	8.3		9.7	8.1
	9.7	8.1		9.2	7.6
	10.0	8.4		9.2	7.6
	9.8	8.2		9.2	7.6
12+00	9.8	8.2	50	9.0	7.4
	9.2	7.6		8.9	7.3
	9.0	7.4		9.0	7.4
	9.0	7.4	2:20	9.9	8.3
2:15	8.8	7.2		9.5	7.9
50	8.2	6.6	15+00	9.4	7.8
	8.4	6.8		9.0	7.4
	8.4	6.8		8.0	6.4
	8.3	6.7		7.3	5.7
				6.2	4.6
			50	3.5	1.9
			60	1.3	+0.3

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N.79+00:0+00 = W.16,550; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+20			(17)	6.9	5.2
(1.6)				6.3	4.6
				6.3	4.6
50				7.2	5.5
			3+00	9.0	7.3
				9.4	7.7
2:42				10.2	8.5
	0.3	+1.3		9.9	8.2
1+00	1.1	+0.5	245	9.2	7.5
	2.2	0.6	50	8.7	7.0
	3.6	2.0		8.1	6.4
	4.2	2.6		7.9	6.2
	4.6	3.0		7.3	5.6
50	5.2	3.6		8.0	6.3
	5.8	4.2	4+00	8.0	6.3
	6.3	4.7		7.1	5.4
	6.9	5.3		7.3	5.6
	7.3	5.7		8.2	6.5
2+00	8.0	6.4		8.4	6.7
	8.0	6.4	50	8.4	6.7
	7.9	6.3		9.1	7.4
	7.9	6.3		9.1	7.4
	7.8	6.2		9.2	7.5
50	7.0	5.4		9.2	7.5

N.79+00 WEST

Dist	Sound	Elev	Dist	Sound	Elev
5+00	9.2	7.5	50	6.3	4.7
(1.7)	9.1	7.4	(1.7)	7.6	5.9
	9.0	7.3	250	9.4	7.7
	8.1	6.4		8.1	6.4
	6.8	5.1		6.8	5.1
50	6.0	4.3	8+00	7.7	6.0
	7.2	5.5		7.5	5.8
	7.8	6.1		6.8	5.1
	7.0	5.3		6.7	5.0
	6.9	5.2		6.8	5.1
6+00	6.9	5.2	50	6.8	5.1
	7.0	5.3		7.1	5.4
	7.0	5.3		7.2	5.5
	7.4	5.7		7.6	5.9
	8.0	6.3		7.9	6.2
50	8.1	6.4	9+00	7.9	6.2
	8.0	6.3		8.2	6.5
	7.7	6.0		8.2	6.5
	7.6	5.9		8.1	6.4
	7.3	5.6		7.8	6.1
7+00	7.3	5.6	50	7.0	5.3
	7.1	5.4		6.5	4.8
	6.7	6.0		7.2	5.5
	6.7	6.0		9.1	7.4
	6.2	4.5		9.0	7.3

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N.79+00. CONTD WEST

DIST	Sound	Elev	DIST	Sound	Elev
10+00	8.3	6.6	50	9.6	7.9
(1.7)	8.5	6.8	(17)	9.9	8.2
	8.4	6.7		10.0	8.3
	7.4	5.7	<u>255</u>	10.0	8.3
	7.0	5.3		10.0	8.3
50	7.8	6.1	13+00	9.9	8.2
	8.3	6.6		9.8	8.1
	9.2	7.5		9.9	8.2
	9.2	7.5		9.9	8.2
	9.4	7.7		10.0	8.3
11+00	9.5	7.8	50	10.1	8.4
	9.6	7.9		10.0	8.3
	9.7	8.0		9.9	8.2
	10.2	8.5		9.5	7.8
	10.2	8.5		9.2	7.5
50	10.3	8.6	14+00	8.9	7.2
	10.0	8.3		8.3	6.6
	10.1	8.4		8.2	6.5
	10.0	8.3		8.2	}
	9.9	8.2		8.2	
12+00	9.6	7.9	50	8.2	6.5
	9.3	7.6		7.9	6.2
	10.0	8.3		7.1	5.4
	9.6	7.9		4.8	3.1
	9.6	7.9		2.3	0.6

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⑦

N.80+00; 0+00 - W.16,500; SOUND WEST					
DIST	Sound	Elev	DIST	Sound	Elev
0+30			(18)	8.8	7.0
(1.8)				8.9	7.1
50				10.5	8.7
			3+00	10.8	9.0
				11.8	10.0
				11.8	10.0
	0.1	+1.7		11.2	9.4
1+00	0.8	+1.0		10.0	8.2
	1.4	+0.4	50	9.8	8.0
	2.4	0.6		9.8	8.0
	3.2	1.4		9.0	7.2
	3.9	2.1		9.1	7.3
50	4.1	2.3		9.0	7.2
	4.7	2.9	4+00	8.4	6.6
	5.2	3.4		8.7	6.9
	5.7	3.9		8.5	6.7
	6.0	4.2		8.7	6.9
2+00	6.7	4.9		9.0	7.2
	6.7	4.9	50	9.3	7.5
	7.0	5.2		9.0	7.2
	7.2	5.4		8.8	7.0
	7.2	5.4		8.8	7.0
50	7.8	6.0		8.5	6.7
	8.2	6.4	5+00	8.5	6.7

N. 80+00 CONTD WEST

Dist	Sound	Elev	Dist	Sound	Elev
(19)	8.5	6.6	(19)	8.0	6.1
	8.5	6.6		8.0	6.1
	8.0	6.1		8.1	6.2
<u>345</u>	8.3	6.4		8.0	6.1
50	8.0	6.1	8+00	7.3	5.4
	7.5	5.6		7.5	5.6
	7.8	5.9		7.0	5.1
	7.9	6.0		7.1	5.2
	7.2	5.3		6.7	4.8
6+00	7.2	5.3	50	6.9	5.0
	6.8	4.9		7.0	5.1
	6.8	4.9		7.0	5.1
	7.0	5.1		7.0	5.1
	7.2	5.3		7.2	5.3
50	7.2	5.3	9+00	7.3	5.4
	7.4	5.5		7.3	5.4
	7.3	5.4		7.8	5.9
	7.0	5.1		7.8	5.9
	7.3	5.4		8.0	6.1
7+00	7.3	5.4	50	8.7	6.8
	7.5	5.6		8.8	6.9
	7.5	5.6		9.0	7.1
	7.5	5.6		9.0	7.1
	7.7	5.8		8.8	6.9
50	7.8	5.9	10+00	8.7	6.8

N. 80+00 WEST

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(28)

Dist	Sound	Elev	Dist	Sound	Elev
(19)	8.2	6.3	(20)	10.7	8.7
	8.2	6.3		10.3	8.3
<u>320</u>	8.0	6.1		10.0	8.0
	8.2	6.3		10.1	8.1
50	8.2	6.3	13+00	10.0	8.0
	8.5	6.6		9.9	7.9
	8.5	6.6		9.9	7.9
	8.5	6.6		9.4	7.4
	8.7	6.8		9.0	7.0
11+00	8.7	6.8	50	9.1	7.1
	8.5	6.6		9.3	7.3
	8.3	6.4		9.0	7.0
	8.2	6.3		8.7	6.7
	8.5	6.6		8.7	6.7
50	8.6	6.7	14+00	7.6	5.6
	9.8	7.9		6.9	4.9
	9.8	7.9	<u>3:25</u>	6.5	4.5
	9.5	7.6		7.0	5.0
	10.0	8.1		7.4	5.4
12+00	10.0	8.1	50	7.1	5.1
	10.2	8.3		6.2	4.2
	10.2	8.3		6.0	4.0
	10.4	8.5		5.0	3.0
	11.1	9.2		2.7	0.7
50	10.9	9.0	15+00	1.4	+0.6

Sta + H.I. - ELEV
 T.B.M. 0.715 32.040 31.325 P.I. N^o 8
 P 9.14

TP. 12.865 19.175

0.785 19.960
 T.B.M. 10.92 9.04
 10.91 19.950
*Chisl. □
 Top SE. Cor.
 Sewer Pump
 Sta. Lower
 Landing*

TP. 0.215 19.735

12.615 32.350

T.B.M. 1.03 31.320-31.325

B.M. 30.69
*L + T B S W
 Cor Moorland
 + Cr. Pt. Dr.*

IMPROVED TABLES AND INFORMATION

HORIZONTAL STADIA CORRECTIONS

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

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

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

DUSTY } N 7128.29 8-15-61
W 13222.51

