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020957

Elevations Book #1
Little Long Lake H-6
EAST-SEA

No. LOOP # 2
 Date. MARCH 6 Page 1

STATION	VERT L	R.F.	S ₁	S ₂	DIST
'BASE LINE'					
270° T.P.	90° -	-	6.50	4.97	153
201	270° -	-	5.62	5.13	49
202	90° -	-	4.20	3.71	49
203	91° -	.0174	4.13	2.59	154
269° 10' 204	90° 50'	.0145	5.97	3.44	253
269° T.P.	91°	.0174	3.46	1.75	171
205	269° -	.0174	3.73	3.07	66
206	90° -	-	6.56	6.24	32
207	86° -	.0696	3.175	1.89	128.5
273° 43' 208	86° 20'	.0638	5.70	3.42	228
264° 30' T.P.	95° 30'	.0954	4.05	2.59	146
209	264° 30'	.0954	4.07	3.59	48
210	81° -	.1545	4.58	4.06	52
211	82° 30'	.1294	4.54	3.00	154
277° 30' 212	82° 30'	.1294	6.40	3.85	255
261° 40' T.P.	98° 20'	.1434	3.76	2.20	156
213	263°	.1210	3.31	2.68	63
214	84°	.1040	6.56	6.06	50
215	83° 40'	.1096	6.20	4.67	153
INTER. 216	84° 30'	.0954	5.49	2.94	255

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Prod	Rod	Rdg	DIFF ELEV.	H. I.	ELEV.
	+ B.S.	- F.S.			2989.95
—	5.74 ✓		+5.74	2995.69	
—		5.38	-5.38		2990.31
—		3.96	-3.96		2991.73
+ 2.68		3.36	-0.68		2995.01
+ 3.67		4.70 ✓	-1.03		2994.66
- 2.98	2.60		+0.38	2995.04	
+ 1.15		3.40	-2.25		2992.79
—		6.40	-6.40		2988.64
- 8.94		2.53	-11.47		2983.57
14.55		4.56 ✓	-19.11		2975.93
13.93	3.32		-10.61	2965.32	
4.58		3.83	+0.75		2966.07
- 8.03		4.32	-12.35		2952.97
- 19.93		3.77	-23.70		2941.62
33.00		5.12 ✓	-38.12		2927.20
22.37	2.98 ✓		-19.39	2907.81	
+ 7.62		3.00	+4.62		2912.43
- 5.20		6.31	-11.51		2896.30
- 16.77		5.43	-22.20		2885.61
24.33		4.20	-28.53		2879.28 ✓

STATION	VERT L	R.F.	S ₁	S ₂	DIST
<u>LINE 216+00 E</u>					
282° - TP	78° -	.2034	6.285	4.91	137.5
1N	282° -	.2034	6.38	6.10	28
2	107°30'	.2868	3.19	2.41	78
249°50	3. 110°10'	.3236	^{3.38} 3.60	^{1.77} 1.73	① 186.5
290°30° TP	69°30'	.3280	4.64	4.02	62
250°20'	4 109°40'	.3169	5.20	4.74	46
284°30' T.P	75°30'	.2424	6.64	5.26	138
5	282° -	.2034	6.37	5.99	38
262° -	6 98° -	.1378	4.08	3.36	72
273°30' T.P	86°30'	.0609	6.17	4.80	137
7	270°	—	6.38	6.06	32
8	90° -	—	5.76	5.11	65
271°20'	9 88°40'	.0233	6.10	4.48	162
265° T.P.	95°	.0868	5.13	3.63	150
10	265°	.0868	4.25	3.73	52
11	82°30'	.1294	4.69	4.23	46
12	82° -	.1378	6.04	4.53	151
278°20'	13 81°40'	.1434	6.38	3.95	253
264° TP	96°	.1040	3.80	2.10	170
14	264°	.1040	4.44 ³	3.84 ³	60
15	84°40'	.0925	6.39	6.00	39
279°40'	INTER. 16 80°20'	.1655	6.09	4.65	144

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Prob	Rob	Ro _g	DIFF ELEV.	H.I.	ELEV.
	B.S. +	F.S. -			<u>2879.28</u>
+27.97	5.60		+33.57	2912.85	
-5.70		6.24	-11.94		2900.91
+22.37		2.80	+19.57		2932.42
+60.35		2.66	+57.69		2970.54
20.34	4.33 ✓	/	+24.67	2995.21	
+14.58		4.97 ✓	+9.61		3004.82
33.45	5.95 ✓		+39.40	3044.22	
-7.73		6.18	-13.91		3030.31
9.92		3.72 ✓	+6.20		3050.42
8.34	5.48		+13.82	3064.24	
—		6.22	-6.22		3058.02
—		5.44	-5.44		3058.80
3.77		5.29 ✓	-9.06		3055.18
13.02	4.38		-8.64	3096.54	
4.51		3.99	+0.52		3047.06
5.95		4.46	-10.41		3036.13
20.81		5.29	-26.10		3020.44
-36.28		5.11	-41.39		3005.15
-17.68	2.95 ✓		-14.73	2990.42	
+6.24		4.13	+2.11		2992.53
-3.61		6.20	-9.81		2980.61
23.83		5.37 ✓	-29.20		2961.22 ✓

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STATION	VERT. L	R.F.	S ₁	S ₂	DIST
<u>TIE LINE 16N</u>					
270° 40' TP	89° 20'	.0116	5.62	4.05	157
217	271° 30'	.0262	6.04	5.465	57.5
218	90° -	—	6.48	5.98	50
219	88° -	.0349	5.48	3.97	150
21° 20' 220	88° 40'	.0233	7.11	4.605	250.5
T.P.	90° -	—	3.36	1.85	151
221	90°	—	5.42	4.9	47
222	89° -	.0174	6.48	5.91	57
223	87° -	.0174	5.38	3.76	157
270° 30' 224	87° 30'	.0087	6.47	3.98	251
217 TP	90°	—	5.96	4.59	137
225	90	—	5.65	5.30	35
226	90°	—	5.85	5.34	51
227	90°	—	6.30	4.5	145
270° 228	90°	—	6	4.30	248
270° TP	90°	—	6.86	5.26	160
229	90°	—	6.37	5.76	61
230	90°	—	4.18	3.77	41
231	90°	—	5	3.7	142
INTER 232	91° 20'	.0233	6.40	3.98	242

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Prod	Rod	Rog	DIFF ELEV.	H.I.	ELEV.
	+B.S.	-F.S.			<u>2961.22</u>
+1.82	4.82		+6.64	2967.86	
-1.51		5.75	-7.26		2960.60
—		6.23	-6.23		2961.63
-5.24		4.72	-9.96		2957.90
-5.84		✓5.86	-11.70		2956.16
—	2.60 ✓		+2.60	2958.76	
—		5.18	-5.18		2953.58
2.99		6.19	-7.18		2951.58
2.73		4.54	-7.28		2951.48
-2.18		5.23	-7.41		-2951.35
—	5.28 ✓		+5.28	2956.63	
—		5.47	-5.47		2951.16
—		5.59	-5.59		2951.04
—		5.57	-5.57		2951.06
—		5.54 ✓	-5.54		2951.09
—	6.06 ✓		+6.06	2957.15	
—		6.07	-6.07		2951.08
—		3.97	-3.97		2953.18
—		4.43	-4.43		2952.72
+5.64		5.19	+0.45		2957.60

STATION	VERT	R.F.	S ₁	S ₂	DIST
<u>LINE 232+00E</u>					
268°- TP	92°-	.0349	4.95	3.61	134
17N	268°-	.0349	6.31	5.51	80
18N	90°-	—	5.20	4.98	22
19N	89°30	.0081	5.53	4.305	122.5
270° 20N	90°	—	7.14	4.89	225
270° T.P	90°	—	6.22	4.56	166
21N	270°	—	5.76	5.10	66
22N	90°	—	5.59	5.25	34
23N	90°	—	2.94	1.53	141
INTER 24N	92°	.0349	5.47	3.07	240
<u>TIE LINE 24N</u>					
270° 30' TP	89°30'	.0087	3.58	2.01	157
233	90°	—	6.29	5.66	63
234	90°	—	3.26	2.93	33
235	93°20'	.0580	3.57	2.17	140
266°20' 236	93°40'	.0638	5.915	3.46	245.5
271° TP	89°	.0174	5.295	3.66	163.5
237	271°	.0174	4.15	3.49	66
238	90°	—	5.78	5.41	37
239	90°	—	4.60	3.20	140
270° 240	90°	—	5.20	2.80	240

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PROD	ROD	ROG	DIFF ELEV.	H.I.	ELEV.
	+B.S.	-F.S.			
					2957.60
-4.68	4.28 ^v		-0.40	2957.20	
+2.79		5.91	-3.12		2954.08
—		5.09	-5.09		2952.11
-1.07		4.92	-5.99		2951.21
—		6.02 ^v	-6.02		2951.18
—	5.39 ^v		+5.39	2956.57	
—		5.43	-5.43		2951.14
—		5.42	-5.42		2951.15
—		2.23	-2.23		2954.34
8.38		4.27 ^v	+4.11		2960.68
-1.37	2.79		+4.16	2964.84	
—		5.97	-5.97		2958.87
—		3.10	-3.10		2961.74
8.12		2.87	+5.25		2970.09
15.66		4.67	+10.99		2975.83
-2.84	4.47		+7.31	2983.14	
-1.15		3.82	-4.97		2978.17
		5.59	-5.59		2977.55
		3.90	-3.90		2979.24
		4.00 ^v	-4.00		2979.14

STATION	VERT C	R.F.	S ₁	S ₂	DIST
<u>TIE LINE 24N</u> continued					
271° 50' TP.	88° 10'	.0320	3.92	2.345	157.5
241	271° 50'	.0320	5.44	4.86	58
242	90° -	-	4.32	3.86	46
243	91° -	.0174	4.62	3.16	146
269° - 244	91° -	.0174	4.56	2.07	249
271 TP.	89° -	.0174	5.55	3.93	162
245	89° -	.0174	6.36	5.76	60
246	270° -	-	3.49	3.18	31
247	266° 50'	.0552	2.80	1.38	142
<u>INTER 248</u>	265° 40'	.0753	5.27	2.83	244
<u>LINE 24B + ODE</u>					
272° 40' TP	83° 20'	.1153	6.51	4.91	160
23 + 80	276° 40'	.1153	6.50	4.15	175
25	" "	.1153	4.32	3.575	75.5
26	90° -	-	4.3	3.88	28
27	91° -	.0174	3.48	2.22	126
268° 10' 28	91° 50'	.0320	6.055	3.70	235.5
273° - TP	87° -	.0523	6.44	4.84	160
29	273° -	.0523	5.54	4.94	60
30	95° -	.0868	4.12	3.70	42
31	100° -	.1710	5.40	4.02	138
255° 40' 32	104° 20'	.2399	4.19	1.75	244

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Prob	ROD	R ₂₅	DIFF ELEV.	H.I.	ELEV.
	+ B.S.	- F.S.			
					2979.14
+5.04	3.13		+8.17	2987.31	
-1.86		5.15	-7.01		2980.30
—		4.09	-4.09		2983.22
+2.54		3.89	-1.35		2985.96
-4.33		3.31	+1.02		2988.33
+2.82	4.73		+7.55	2995.88	
-1.04		6.06	-7.10		2988.78
—		3.29	-3.29		2992.59
+7.84		2.09	+5.75		3001.63
+10.37		4.06	+14.31		3010.19
-18.45	5.70		+24.15	3034.34	
+20.18		5.62	-25.80		3008.54
-8.71		3.96	-12.67		3021.67
—		4.02	-4.02		3030.32
+2.19		2.85	-0.65		3033.69
7.54		4.87	+2.67		3037.01
8.37	5.64		+14.01	3051.02	
3.14		5.24	-8.38		3042.64
3.65		3.91	-0.26		3050.76
23.60		4.71	+18.89		3069.91
28.54		2.96	+55.58		3106.60

STATION	VERT ^L	R. F.	S ₁	S ₂	DIST
LINE 248+00E	continued.				
290°- TP	70°-	.3214	5.72	5.17	55.
33	99°30'	.1628	2.60	2.16	44
-	162°30'	.2113	5.98	4.53	145
TP	83°50	.1068	10.06	8.62	144
34	276°30'	.1125	8.66	7.21	145
35	276°30'	.1125	5.30	4.78	52
36	94°-	.0696	3.66	3.03	63
37	94°40'	.0811	4.16	2.56	160
TP.	84°30'	.0959	6.55	5.11	144
38	275°30'	.0959	5.44	5.06	38
39	92°30'	.0436	3.80	3.20	60
40	92°30'	.0436	5.33	3.705	162.5
TP.	90°-	—	6.08	4.42	166
41	270°-	—	5.08	4.45	63
42	90°	—	6.15	5.78	37
43	87°	.0523	5.97	4.585	138.5
44	86°40'	.0580	9.55	7.13	242
T.P.	98°	.1378	4.55	2.91	164.
45	262°	.1378	3.37	3.26	61
46	83°30'	.1125	6.60	6.20	40
47	79°-	.1873	6.18	4.75	143
INTER 47+72	78°40'	.1927	6.30	4.01	228.5
			8	0	

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PROD	ROD	ROG	DIFF ELEV.	H.I.	ELEV.
	+B.S.	-F.S.			
					3106.60
+17.68	5.45		+23.13	3129.73	
+7.16		2.38	+4.78		3134.51
+30.64		5.25	+25.39		3155.12
+15.38	9.35		+24.73	3179.85	
-16.31		7.93	-24.24		3155.61
-5.85		5.04	-10.89		3168.96
+4.38		3.35	+1.03		3180.88
+12.98		3.36	+9.62		3189.47
+13.74	5.83		+19.57	3209.04	
-3.63		5.25	-8.88		3200.16
+2.62		3.50	-0.88		3208.16
+7.09		4.51	+2.58		3211.62
	5.25v		+5.25	3216.87	
		4.76	-4.76		3212.11
		5.97	-5.97		3210.90
-7.24		5.28	-12.52		3204.35
+14.04		8.33	-22.37		3194.50
22.60	3.74		-18.86	3175.64	
+8.41		3.56	+4.85		3180.49
+4.50		6.40	-10.90		3164.74
+26.78		5.47	-32.25		3143.39
44.03		5.15	-49.18		3126.46

STATION	VERT L	R.F.	S ₁	S ₂	DIST.
<u>TIE LINE 48N</u>					
TP	81°	.1545	6.54	5.06	148
247	278°	.1378	6.26	5.58	68
246	92°45'	.0465	3.50	3.18	32
245	95°	.0868	4.36	3.04	132
244	95°20'	.0925	5.44	3.08	236
T.P.	87°30'	.0436	5.44	3.78	166
243	90°	—	6.73	6.12	61
242	90°	—	5.62	5.22	40
241	89°30'	.0087	6.42	5.02	140
INTER 240	88°30'	.0262	6.16	3.70	240
<u>LINE 240 + 00E</u>					
7P	85°	.0868	6.36	4.91	184.5
47	25°	.0868	5.17	4.36	81
46	90°	—	3.92	3.74	18
45	93°	.0523	4.38	3.16	122
44	93	.0523	5.56	3.31	223
INTER 43 + 50 at 239 + 30	93	.0523	6.63	3.89	274

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Prob	ROD	ROG	DIFF. ELEV.	H.I.	ELEV.
	+B.S.	-F.S.			
					3126.46
-22.87	5.80 ^v		+28.67	3155.13	
-9.37		5.92	-15.29		3139.84
+1.49		3.34	-1.85		3153.28
+11.46		3.70	+7.76		3162.89
+21.83		4.26	+17.57		3172.70
+7.24	41.61		+11.85	3184.55	
—		6.42	-6.42		3178.13
—		5.42	-5.42		3179.13
-1.22		5.72	-6.94		3177.61
-6.29		4.94	-11.23		3173.32
+16.01	5.43		+21.45	3194.77	
-7.03		4.76	-11.79		3182.98
—		3.83	-3.83		3190.94
+6.38		3.77	+2.61		3197.38
+11.66		4.44	+7.22		3201.99
-14.33		5.27	+9.06		3203.83 ^v

STATION	VERTL	R.F.	S ₁	S ₂	DIST	
TIE LINE 44N						
T.P.	92°40'	.0465	5.18	3.17	201	
239	268°-	.0349	2.88	1.13	175	
238	269°-	.0174	2.88	2.17	71	
237	86°30'	.0609	5.81	5.50	31	
236	86°30'	.0609	5.86	4.55	131	
T.P.	93°	.0523	4.48	2.22	226	
235	267°-	.0523	4.79	3.55	124	
234	270°-	—	4.20	3.96	24	
233	87°-	.0523	6.50	5.68	82	
INTER at 43+30	231+70	85°30'	.0782	6.20	4.03	217.5
T.P.	92°30'	.0436	4.80	2.84	196	
231	267°30'	.0436	4.62	3.32	130	
230	270°	—	3.74	3.45	29	
229	87°40'	.0407	6.57	5.86	71	
228	86°30'	.0609	5.93	4.20	173	
T.P.	92°30'	.0436	5.03 ²	3.325 ¹	170.75	
227	267°30'	.0436	4.48	3.78	70	
226	87°	.0523	6.22	5.92	30	
225	86°20'	.0638	6.50	5.18	132	
INTER. 43+40	224	86°	.0696	6.31 ²	3.97 ⁴	234

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Prod	ROO	ROg	DIFF ELEV	H. I.	ELEVATION
	+B.S.	-F.S.	:		
		"			3203.83
-9.35	4.17		-5.18	3198.65	
+6.11		2.00	+4.11		3202.76
+1.24		2.52	-1.28		3197.37
-1.89		5.66	-7.55		3191.10
-7.98		5.22	-13.20		3185.45
-11.82	3.35 ^v		-8.47	3176.98	
+6.49		4.17	+2.32		3179.30
—		4.08	-4.08		3172.90
-4.29		6.09	-10.38		3166.60
17.01		5.11	-22.12		3154.86
-8.55	3.82		-4.73	3150.13	
+5.67		3.97	+1.70		3151.83
—		3.60	-3.60		3146.53
-2.89		6.22	-9.11		3141.02
-10.54		5.07	-15.61		3134.52
-7.44	4.18 ⁷		-3.27	3131.25	
+3.05		4.13	-1.08		3130.17
-1.57		6.06	-7.63		3123.62
-8.42		5.84	-14.26		3116.99
16.29		5.14 ⁵	-21.43		3109.82

STATION	VERT L	R.F.	S ₁	S ₂	DIST
TIE LINE 44H					
TP.	94°	.0696	5.30	3.74	156
223	266°	.0696	4.67	4.17	50
222	86°30'	.0609	6.00	5.50	50
221	85°30'	.0782	5.89	4.41	148
220	85°30'	.0782	6.27 ⁶	3.74 ⁴	252.5
TP.	94°	.0696	6.56	5.06	150
219	266°	.0696	5.51	5.11	46
218	87°	.0523	5.66	5.12	54
217	87°	.0523	6.76	5.22	154
216	87°	.0523	6.86 ^{7.7}	4.27	260
TP	91°30'	.0262	4.55 ⁵	3.105 ^{10.5}	144.5
INTER. 215+50	268°30'	.0262	5.34	4.34	100
215	270°	—	3.34	2.86	48
214	90°	—	4.92	4.38	54
213	90°	—	6.60	5.04	156
212	89°48'	.0058	6.37	3.79	258
TP	90°30'	.0087	4.54 ²	2.92 ¹	161.5
211	270°	—	4.71	4.11	60
210	90°	—	5.82	5.41	41
209	88°30'	.0262	5.06	3.66	140
INTER. 207+70	88°30'	.0262	6.46 ⁴ ₃	4.15 ₂	281
N.B. No Rdy. at					
208-					

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Prod	ROD	ROG	DIFF. ELEV.	H. I.	ELEVATION
	+B.S.	-F.S.			3109.82
-10.86	4.52 ³		-6.33	3103.49	
+3.48		4.42	-0.94		3102.55
+3.05		5.75	-8.80		3094.69
-11.57		5.15	-16.72		3086.77
-19.75		5.01 ⁰	-24.75		3078.74
-10.44	5.81 [✓]		-4.63	3074.11	
+3.20		5.34	-2.14		3071.97
-2.82		5.39	-8.21		3065.90
-8.05		5.99	-14.04		3060.07
-13.60		5.57 [✓]	-19.17		3054.99
-3.79	3.025 ³		+0.04	3054.98	
+2.62		4.84	-2.22		3052.76
—		3.10	-3.10		3051.88
—		4.65	-4.65		3050.33
—		5.82	-5.82		3049.16
-1.50		5.08 ⁷	-6.57		3048.41
-1.41	3.73 ²		+2.32	3050.73	
—		4.41	-4.41		3046.32
—		5.61	-5.61		3045.12
-3.67		4.36	-8.03		3042.70
-7.36		5.56 ³	-12.91		3037.82

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STATION	VERT \angle	R.F.	S ₁	S ₂	DIST
TIE LINE, 44N					
TP	91° 10'	.0204	5.58	3.72	186
207	269°	.0174	4.37	3.15	122
206	290°	—	4.79	4.55	24
205	89°	.0174	6.73	5.94	79
204	88°	.0349	6.16	4.37	179
TP	91° 40'	.0291	4.55 ⁴	2.71 ⁰	184
203	269°	.0174	4.04	3.23	81
202	87°	.0523	6.28	6.00	20
201	88°	.0349	6.16	4.96	120
200	87° 50'	.0370	6.43	4.23	220
LINE 200+00E					
TP	84°	.1040	5.80 ²	4.01 ³	179
43	275°	.0868	6.15	5.43	72
42	93° 30'	.0609	4.18	3.81	37
41	95° 30'	.0954	5.32	4.00	132
40	95° 30'	.0954	5.67 ⁵	3.37 ³	230
TP	84° -	.1040	4.60	2.96	164
39	276° -	.1040	6.07	5.44	63
38	90° -	—	4.78	4.42	36
37	93° 10'	.0552	4.50	3.12	138
36+33	94°	.0696	3.78	1.70	208

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PROD	ROD	RODg	DIFF ELEV.	H. I.	ELEVATION
	+B.S.	-F.S.			
					3037.82
-3.79	4.65		+0.86	3038.68	
+2.12		3.76	-1.64		3037.04
—		4.67	-4.67		3034.01
-1.37		6.34	-7.71		3030.97
-6.25		5.27	-11.52		3027.16
-5.35	3.63		-1.73	3025.43	
+1.41		3.63	-2.22		3023.21
-1.05		6.18	-7.23		3018.20
-4.19		5.56	-9.75		3015.68
-8.32		5.33	-13.65		3011.78
+18.62	4.91 ²		+23.53	3035.31	
-6.25		5.79	-12.04		3023.27
+2.25		4.00	-1.75		3033.56
+12.59		4.66	+7.93		3043.24
+21.94		4.52	+17.43		3052.74
+17.06	3.78 [✓]		+20.89	3073.58	
-6.55		5.16	-12.31		3061.27
—		4.60	-4.60		3068.98
+7.62		3.81	+3.81		3077.39
+14.48		2.74	+11.74		3085.32 [✓]
				TIE	+0.10

STATION	VERT. L	R.F.	S ₁	S ₂	DIST
LINE 240+00E					
TP	83°50'	.1068	6.415 ²	4.59 ⁰	182.25
24+50 N	276°30'	.1125	5.97	4.62	135
25 N	276°30'	.1125	5.70	4.86	84
25+50	276°30'	.1125	5.97	5.65	32
26	90°	—	4.04	3.86	18
26+50	93°40'	.0638	4.12	3.42	70
27	96°	.1040	4.54	3.32	122
27+50	98°	.1378	5.28	3.54	174
28	99°30'	.1628	5.22 ²⁵	2.91 ⁸	231.25
TP	78°	.2034	6.68	4.92	176
28+50	282°	.2034	5.18	3.94	124
29	282°	.2034	4.76	4.08	68
29+50	282	.2034	5.01	4.785	22.5
30	97°	.1210	3.26	2.90	36
30+50	99°40'	.1655	4.36	3.53	83
31	99°40'	.1655	4.20	2.805	139.5
31+50	101° -	.1873	4.875	3.01	186.5
T.P.	70°30'	.3147	5.96	4.455 ⁴	150.75
32	290°	.3214	6.38	5.40	98
32+50	290°	.3214	4.40	3.96	44
33	97°	.1210	2.54	2.38	16
33+50	101°	.1873	3.56	2.92	64
34	101°	.1873	5.68	4.39	124

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PROD	ROD	RDG	DIFF ELEV.	H.T.	ELEVATION
	+B.S.	-F.S.			2979.14
+19.46	5.50 ¹		+24.97	3004.11	
-15.19		5.30	-20.49		2983.62
-9.45		5.28	-14.73		2989.38
-3.60		5.81	-9.41		2994.70
—		3.95	-3.95		3000.16
+4.47		3.77	+0.70		3004.81
+12.69		3.93	+8.76		3012.87
+23.98		4.41	+19.57		3023.68
+37.65		4.06 ⁴	+33.60		3037.71
+35.80	5.80 [✓]		+41.60	3079.31 [✓]	
-25.22		4.56	-29.78		3049.53
-13.83		4.42	-18.25		3061.06
-4.58		4.90	-9.48		3069.83
+4.36		3.08	+1.28		3080.59
+13.74		3.94	+9.80		3089.11
+23.09		3.50	+19.59		3098.90
34.93		3.94 [✓]	+30.99		3110.50
47.44	5.21 ¹⁹		+52.64	3162.94	
-31.50		5.89	-37.39		3125.55
-14.14		4.18	-18.32		3144.62
+1.94		2.46	-0.52		3162.42
+11.99		3.24	+8.75		3171.69
+23.23		5.01 [✓]	+18.22		3181.16

STATION	VERTL	R.F.	S ₁	S ₂	DIST
LINE 240+00E					
TP	85°30'	.0782	5.80	4.11	169
39+50N	274°30'	.0782	3.78	2.55	123
35	274°30'	.0782	3.36	2.64	72
35+50	274°30'	.0782	4.56	4.32	24
36	92°30'	.0436	4.65	4.42	23
36+50	92°30'	.0436	4.44	3.68	76
37	92°30'	.0436	3.86	2.54	132
37+50	92°30'	.0436	4.03	2.24	179
38	92°30'	.0436	5.57 ⁵	3.13 ³	244
TP.	88°40'	.0233	4.76 ⁵	3.09 ³	172
38+50	271°	.0174	5.11	3.84	127
39	271°	.0174	5.20	4.44	76
39+50	270°	—	5.36	5.08	23
40	90°	—	4.97	4.74	23
40+50	90°	—	4.88	4.16	72
41	90°	—	5.80	4.58	122
42	90°	—	7.13	5.02	211
TP.	90°	—	3.91	3.38	53
43	90°	—	6.09	5.86	23
43+50	89°	.0174	6.42	5.70	72

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PROD	ROD	ROD	DIFF ELEV.	H. I.	ELEV.
	+B.S.	-F.S.			
					3181.16
+13.22	4.96 ⁵		+18.17	3199.33	
-9.62		3.16	-12.78		3186.55
-5.63		3.00	-8.63		3190.70
-1.88		4.44	-6.32		3193.01
+1.00		4.54	-3.54		3195.79
+3.31		4.06	-0.75		3198.58
+5.76		3.20	+2.56		3201.89
+7.80		3.19	+4.66		3203.99
+10.64		4.35 ³	+6.30		3205.63
+4.01	3.90 ⁷		+7.90	3213.53	
-2.21		4.47	-6.68		3206.85
-1.32		4.82	-6.14		3207.39
—		5.22	-5.22		3208.31
—		4.86	-4.86		3208.67
—		4.52	-4.52		3209.01
—		5.19	-5.19		3208.34
—		6.08 ⁹	-6.08		3207.45
—	3.64		+3.64	3211.09	
—		5.98	-5.98		3205.11
-1.25		6.06	-7.31	+224.64	3203.78
				+224.69	
				-0.05	TIE -0.05

STATION	VERT L	R.F.	S ₁	S ₂	DIST.
LINE 232 + ODE					
TP	84°30'	.0954	6.30 ⁹	4.68 ⁶	162.5
43 N	275°-	.0868	5.57	4.22	135
42	275	.0868	5.26	4.77	43
41	95°	.0868	4.50	3.86	64
40	95°30'	.0954	5.30	3.70	160
TP	85°40'	.0753	4.73 ¹	2.96 ⁹	177.5
39	272	.0349	6.73	5.995	73.5
38	90°	—	4.27	4.25	32
37	90°	—	6.44	5.16	128
TP	94°	.0696	4.80 ⁰	3.18	161.5
36	266	.0696	4.21	3.63	58
35	84	.1040	4.99	4.54	45
34	85°30'	.0782	6.64	5.18	146
33	85°-	.0868	6.39	3.90 ⁸	249.5
TP	95°30'	.0954	4.69 ³	3.03 ⁰	166
32	264°30'	.0954	4.01	3.37	64
31	83°-	.1210	5.83	5.45	38
30	82°30'	.1294	6.57	5.15	142
29	81°30'	.1462	5.82	3.30	252
TP	101°	.1873	3.82	2.57	125
28	259°	.1873	3.405	3.23	17.5
27	65°30'	.3774	6.31	5.20	110

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PROD.	ROD	RDG	DIFF. ELEV.	H. I.	ELEVATION
	+B.S.	-F.S.			
					3154.86
+15.50	5.49 ⁸		+20.99	3175.85	
-11.72		4.90	-16.62		3159.23
-3.73		4.98	-8.71		3167.14
+5.56		4.18	+1.38		3177.23
+15.26		4.50	+10.76		3186.61
+13.37	3.87		+17.20	3203.81	
-2.57		6.36	-8.92		3194.89
—		4.41	-4.41		3199.40
—		5.80 ⁷	-5.80		3198.01
-11.24	3.77		-7.25	3190.76	
+4.04		3.92	+0.12		3190.88
-4.68		4.77	-9.45		3181.21
-11.42		5.91	-17.33		3173.43
-21.66		5.14	-26.80		3163.96
-15.84	3.86 ³		-11.99	3151.97	
+6.11		3.69	+2.42		3154.39
-4.60		5.64	-10.24		3141.73
-18.37		5.86	-24.23		3127.74
-36.84		4.5 ⁴	-41.39		3110.58
-23.41	3.20 ⁴		-20.22	3090.36	
+3.28		3.32	-0.04		3090.32
-41.51		5.76	-47.27		3043.09

STATION	VERTL	R.F.	S ₁	S ₂	DIST
<u>LINE 224 +00 E</u>					
TP	90°	—	6.05	4.30	175
17	90°	—	5.84	5.10	74
18	90°	—	5.56	5.30	26
19	90°	—	6.10	4.85	125
20	90°	—	6.60 ⁸	4.31 ⁰	229
TP.	90°	—	6.40	4.68	172
21	90°	—	5.90	5.18	72
22	90°	—	5.66	5.35	31
23	93°	.0523	5.02	3.69	133
TP.	72°	.2939	5.81	5.35	46
24	109°20'	.3124	3.47	2.87	60
25	116°20'	.3976	3.75 ⁵	1.96 ³	180.
TP.	65°20'	.3793	6.20	4.90	138
26	292°30'	.3536	6.64	6.36	28
27	100°	.1710	4.15	3.44	71
28	98°50'	.1517	6.15	4.395	175.5
TP	81°20'	.1490	4.64	2.965	167.5
29'	276°10'	.1068	6.54	5.93	61
30	95°30'	.0954	4.02	3.57	45
31	95°30'	.0954	5.84 ²	4.46 ⁴	138
TP	88°	.0349	5.37	3.65	172
32	88°	.0349	4.505	3.805	70
33	270°	—	4.84	4.52	32

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Prod	Rod	Rdg	DIFF. ELEV.	H. I.	ELEVATION
	+B.S.	-F.S.			
					2951.35
	⁶ -5.17		+5.16	✓ 2956.51	
		5.47	-5.47		2951.04
		5.43	-5.43		2951.08
		5.47	-5.47		2951.04
		² 5.44	-5.43	✓	2951.08
	[✓] 5.54		+5.54	✓ 2956.62	
		5.54	-5.54		2951.08
		5.50	-5.50		2951.12
+6.96		⁵ 4.36	+2.60	✓	2959.22
+13.52	5.58	✓	+19.10	✓ 2978.32	
-18.74		3.17	+15.57		2993.89
-71.57		³ 2.86	+68.72	✓	3047.04
-52.34	⁷ 5.59	✓	+57.92	✓ 3104.96	
-9.90		6.80	-16.40		3088.56
-12.14		3.80	+8.34		3113.30
-26.62		⁶ 5.27	+21.36		3126.32
-24.96	⁷ 3.80		+28.75	3155.07	
-6.51		6.24	-12.75		3142.32
-4.29		3.80	+0.49		3155.56
+13.17		² 5.15	+8.03	✓	3163.10
+6.00	^{1.76} 4.51		+10.50	✓ 3173.60	
-2.44		4.16	-6.60		3167.00
		4.68	-4.68		3168.92

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Prob.	ROD	ROD	DIFF ELEV.	H. I.	ELEVATION.
	+B.S.	-F.S.			
				3173.60	
		3.63	-3.63		3169.97
-1.38		⁶ 5.59	-6.98✓		3166.62
-7.59	⁶⁷ 5.70		-1.91✓	3164.71	
+3.27		5.67	-2.40		3162.31
-		6.47	-6.47		3158.24
-5.76		5.02	-10.78		3153.93
-12.13		5.18✓	-17.31		3147.40
-10.02	⁶ 3.77		-6.25	3141.15	
+3.53		3.57	-0.04		3141.11
-2.46		5.24	-7.70		3133.45
-13.41		4.20	-17.61		3123.54
-22.31		4.79 ⁷	-27.09		3114.06
+1.58	6.17 [✓]		+7.75	3121.81	
-6.34		³ 5.92	-12.26	-	→ 3109.55
-12.38		5.50 [✓]	-17.88		3103.93
				158.20	
				158.47	
			TIE	-0.27	

STATION	VERTL	R.F.	S ₁	S ₂	DIST
<u>LINE 216+00F</u>					
TP	80°-	.1710	5.36	3.60	176
43N	280°-	.1710	5.18	4.45	73
42	98°-	.1378	4.085	3.795	29
41	99°30'	.1628	4.89	3.57	132
'40	99°30'	.1628	5.29	2.95	234
T.P.	82°30'	.1294	5.30	3.60	170
39	277°30'	.1294	4.52	3.85	67
38	93°-	.0523	3.115	2.765	35
37	96°-	.1040	5.85	4.48	137
36	95°10'	.0840	4.77	2.40	237
T.P.	86°30'	.0609	6.01	4.27	174
35	273°30'	.0609	5.46	4.74	72
34	90°-	—	4.44	4.16	28
33	91°30'	.0262	3.57	2.27	130
32	91°30'	.0262	6.62	4.44	218
TP.	92°20'	.0407	5.02	3.39	163
31	267°40'	.0407	3.77	3.13	64
30	90°-	—	6.51	6.23	28
29	84°-	.1040	6.00	4.65	135
28 ?	83°40'	.1096	6.47	4.11	236
' TP	99°-	.1545	4.57	3.27	129
27	264°30'	.0954	2.86	2.59	27
' 26	77°-	.2192	5.38	4.64	74.

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Prod	Rod	Rdg	DIFF ELEV.	H. I.	ELEVATION
	+B.S.	-F.S.			
					3052.76
+30.10	4.48 ^v		+34.58	3087.34	
-12.48		4.82	-17.30		3070.04
+4.00		3.94	+0.06		3087.40
+21.49		4.23	+17.26		3104.60
+38.09		4.11	+33.98		3121.32
+22.00	4.44		+26.44	3147.76	
-8.67		4.18	-12.85		3134.91
+1.83		2.94	-1.11		3146.65
+14.25		5.16	+9.09		3156.85
+19.91		3.57	+16.34		3164.10
+10.60	5.13		+15.73	3179.83	
-4.38		5.10	-9.48		3170.35
—		4.30	-4.30		3175.53
+3.41		2.92	+0.49		3180.32
5.71		5.52	+0.19		3180.02
-6.63	4.19		-2.44	3177.58	
+2.60		3.45	-0.85		3176.73
—		6.37	-6.37		3171.21
14.04		5.32	-19.36		3158.22
-25.87		5.29	-31.16		3146.42
-19.93	3.92		-16.01	3130.41	
+2.58		2.72	-0.14		3130.27
+16.22		5.01	-21.23		3109.18

STATION	VERT L	R.F.	S ₁	S ₂	DIST
<u>LINE 216+00E</u>					
TP	108°-	.2939	1.83	1.10	73.
—	290°-	.3214	4.30	3.72	58
TP	105°30'	.2575	3.83	3.59	24
25	278°	.1378	6.01	5.745	26.5
TP	103°-	.2192	4.97	4.58	39
—	62°	.4145	7.82	7.46	36
T.P.	107°30'	.2868	2.13	1.73	40
24	74°30'	.2575	6.35	6.05	30
—	292°30'	.3536	8.86	8.46	40
TP	104°40'	.2449	5.40	3.60	180
23	270°-	—	3.24	2.31	93
22	90°-	—			
21	90°-	—	6.20	5.16	104
20	90°-	—	6.70	4.64	206
T.P.	90°-	—	6.42	4.46	196
19	90°-	—	5.92	5.02	90
18	90°-	—	5.53	5.37	16
17	90°-	—	5.73	4.53	120
16	92°-	.0349	4.31	2.06	223

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Prod	Rod	Rdg.	DIFF. ELEV.	H. I.	ELEVATION
	+B.S.	-F.S.			
					3109.18
-21.45	1.47		-19.98	3089.20	
-18.64		4.01 ✓	-22.65 ✓		3066.55 *
-6.18	3.71 ✓		-2.47 ✓	3064.08	
-3.65		5.88 ✓	-9.53 ✓		3054.55
-8.55	4.77 ✓		-3.78 ✓	3050.77	
-14.92		7.64 ✓	-22.56		3028.21
-11.47	1.93		-9.54	3018.67	
-7.73		6.20	-13.93		3004.74
-14.14		8.66	-22.80		2995.87
-44.08	4.50		-39.58	2956.29	
—		2.78	-2.78		2953.51
—		5.68	-5.68		2950.61
—		5.68	-5.68		2950.61
—		5.66	-5.66		2950.63
—	5.43		+5.43	2956.06	
—		5.47	-5.47		2950.59
—		5.45	-5.45		2950.61
—		5.13	-5.13		2950.93
+7.85		3.19	+4.66	-92.04	2960.72
				-91.54	2961.22 LOOP
			-92.04	-0.50	-0.50

STATION	VERTL	R.F.	S ₁	S ₂	DIST
<u>LINE 208+00F</u>					
TP	81° -	.1545 ^v	5.34	3.56	178 ^v
1N.	279° -	.1545	3.56	2.80	76
2	90° -	—	1.99	1.73	26
3	95° 30'	.0954	4.58	3.29	129
4	96° -	.1040 ^v	4.97	2.64	233 ^v
T.P.	84° 30'	.0954 ^v	6.29	4.62	167 ^v
5	272° 30'	.0436	6.34	5.68	66
6	90° -	—	3.01	2.67	34
7	94° -	.0696	4.275	2.87	140.5
8	94° 10'	.0725 ^v	5.19	2.82	237 ^v
TP.	90° -	—	7.05	5.32	173
9	90° -	—	2.90	2.24	66
10	86° 30'	.0609	5.89	5.60	29
11	83° 40'	.1096 ^v	4.625	3.25	137.5
TP.	99° -	.1545 ^v	5.25	3.91 ^v	184
12	261° -	.1545	3.60	2.80	80
13	83° 30'	.1125	6.13	5.96	17
14	78° 30'	.1954	6.41	5.25	116
15	77° 10'	.2166 ^v	6.67	4.58:	209.
T.P.	98° -	.1378 ^v	4.265 ⁴	2.64	162.5
16	268° -	.0349	4.795	4.11	68.5
17	90° -	—	5.68	5.32	36
18	90°	—	6.21	4.86	135

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PROD	ROD	ROD	DIFF ELEV.	H. I.	ELEVATION
	+B.S.	-F.S.			
					2975.93
+ 27.50 ✓	4.45 ⁴		+31.95	3007.88	
- 11.74		3.18	-14.92		2992.96
—		1.86	-1.86		3006.02
+ 12.31		3.94	+8.37		3014.25
- 24.23 ✓		3.81 ✓	+20.42		3028.30
- 15.93 ✓	5.45 ✓		+21.38	3049.68	
- 2.88		6.01	-8.89		3040.79
—		2.84	-2.84		3046.84
+ 9.78		3.57	+6.21		3055.89
- 17.18 ✓		4.00 ^{.97}	+12.20		3061.88
—	6.19 ✓		+6.19	3068.07	
—		2.57	-2.57		3065.50
- 1.77		5.74	-7.51		3060.56
- 15.07 ✓		3.93 ✓	-19.00		3049.07
- 28.43 ✓	4.32 ✓		-24.11	3024.96	
+ 12.36		3.20	+9.16		3034.12
- 1.91		6.04	-7.95		3017.01
- 22.67		5.83	-28.50		2996.46
45.27 ✓		5.62 ³	-50.90		2974.06 ^{.10}
- 22.39 ✓	3.44 ✓		-18.95	2955.01	
+ 2.39		4.45	-2.06		2953.05
—		5.50	-5.50		2949.61
—		5.53	-5.53		2949.58

STATION	VERTL	R.F.	S ₁	S ₂	DIST
<u>LINE 208+00E</u>					
19N	90° -	—	6.68	4.32	236
T.P.	90° -	—	6.31	4.64	167
20	90° -	—	5.82	5.12	70
21	90° -	—	5.61	5.31	30
22	90° -	—	6.03	4.71	132
T.P.	87° -	.0523'	6.28	5.58	70
23	93° 50'	.0667'	3.17	2.88	29
24	103° 30'	.2270'	2.92	1.48	144
T.P.	71° -	.3078'	6.835	6.21	42.5
25	117° -	.4045'	1.345	0.78	56.5
T.P.	72° 10'	.2915'	6.60	5.98	62.0
—	249° -	.3396'	2.72 ⁴	2.07 ⁵	165
T.P.	71° 20'	.3032'	6.59	5.69	90
26	286° -	.2650	6.56	6.25	31
27	100° 20'	.1765	2.60	1.87	73
28	100° 20'	.1765 ⁵	5.08	3.32	176
TP	84° -	.1040 ³	6.65	4.955	169.25
29	276° -	.1040	4.59	3.92	67
30	90° -	—	4.05	3.67	38
31	92° -	.0349	5.40	4.16	132
32	91° -	.0174	5.13	2.80	232
TP.	91° 40'	.0291'	5.81	4.05	176

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Prod	ROD	ROD.	DIFF. ELEV.	H. I.	ELEVATION
	+B.S.	-F.S.			
—		5.50 ^v	-5.50		2949.61
—	5.46 .47		+5.47	2955.08	
—		5.47	-5.47		2949.61
—		5.46	-5.46		2949.62
		5.37 ^v	-5.37		2949.71
- 3.66 ^v	5.98 ^v		+9.59	2959.30	
- 1.93		3.02	-1.09		2958.21
- 32.69 ^v		2.20 ⁸	+30.50		2989.80
13.08 ^v	6.42 ^v		+19.50	3009.30	
22.85 ^v		1.06 ⁵	+21.80		3031.10
18.07	6.29 ^v		+24.36	3055.46	
21.75		2.40 ¹	+19.35		3074.81
27.29	6.14 ²		+33.42	3108.23	
- 8.22		6.41	-14.63		3093.60
+12.88		2.24	+10.64		3118.87
31.06		4.20 ¹⁸	+26.87		3135.10
17.60 ^v	5.80 ⁷⁸		+23.39	3158.49	
- 6.97		4.25	-11.22		3147.27
—		3.86	-3.86		3154.63
+4.61		4.02	-0.21		3158.28
4.04 ^v		3.96 ⁵	+0.08		3158.57
5.12 ^v	4.93 ¹		-0.20	3158.37	

STATION	VERTL	R.F.	S ₁	S ₂	DIST
<u>LINE 216+00E</u>					
T.P.	94° -	.0696	5.54	3.71	183
15	268°30'	.0262	3.33	2.51	82
2	83°30'	.1125	5.45	5.25	20
3	86° -	.0696	4.82	3.60	122
4	85° -	.0868	6.50	4.26	224
T.P.	98°30'	.1462	4.74	2.94	180
5	261°30'	.1462	5.55	4.80	75
6	88° -	.0349	6.20	5.98	22
7	82°30'	.1294	5.90	4.64	126
8	81°30'	.1462	4.37	2.09	228
T.P.	92°30'	.0436	5.72	4.15	157
9	267°30'	.0436	5.825	5.30	52.5
10	90° -	—	6.63	6.18	45
11	89°30'	.0087	6.36	4.89	147
T.P.	93°30'	.0609	4.36	2.06	230
12	266°30'	.0609	5.67	4.41	126
13	270° -	—	4.94	4.68	26
14	90° -	—	5.66	4.89	77
15	90° -	—	5.64	3.87	177
16	90° -	—	5.66	2.87	279

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Prod	ROD	ROD	DIFF. ELEV.	H.I.	ELEVATION.
	+B.S.	-F.S.			
					2879.28
-12.74	4.62		-8.12	2871.16	
+2.15		2.92	-0.77		2870.39
-2.25		5.35	-7.60		2863.56
-8.49		4.21	-12.70		2858.46
-19.44		5.38	-24.82		2846.34
-26.32	3.83		-22.49	2823.85	
+10.97		5.17	+5.80		2829.65
-0.77		6.09	-6.86		2816.99
-16.30		5.27	-21.57		2802.28
-33.33		3.23	-36.56		2787.29
-6.85	4.93		-1.92	2785.37	
+2.29		5.56	-3.27		2782.10
—		6.40	-6.40		2778.97
-1.28		5.62	-6.90		2778.47
-14.01	3.20		-10.81	2767.66	
+7.67		5.04	+2.63		2770.29
		4.81	-4.81		2762.85
		5.27	-5.27		2762.39
		4.76	-4.76		2762.90
		4.26	-4.26		2763.40

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	BS	F.S.			
					2950.04 (0.83)
	5.51 ²		2	2955.55	
		5.50 ¹			2950.05
	5.38 [✓]			2955.43	
		5.40 ⁹			2950.03 (.51)
	5.52 [✓]			2955.55	$\frac{83}{12}$
		5.51 [✓]			2950.09
	5.38 [✓]			2955.42	
		5.44 [✓]			2949.98 (0.42)
	5.49 [✓]			2955.47	$\frac{83}{15}$
		5.42 [✓]			2950.05
	5.47 [✓]			2955.52	
		5.54 ³			2949.98 (0.4)
	5.43			2955.41	$\frac{83}{15}$
		5.42 ⁰			2950.00
	5.54 ³			2955.53	
		5.54 [✓]			2949.99 ₈₃
		4.70 [✓]			2950.83
					16