



HERCULES C AND S M C^o NL

- SURFACE - SURVEY TRAVERSE - UNDERGROUND -

Sta	Bearing	Course	Length	+N	-S	-E	+W	Red Lat.	Red Dep.	Red Level	Sta	Bearing	Course	Length	+N	-S	-E	+W	Red Lat.	Red Dep.	Red Level
10	21	263.14	S 83.14 W 163.09		2.27	162.88	- 2.27	162.88			2	1	85.17	N 85.17 E	22.03	22.03		271.12	375.63	178.43	2744.57
10	22	343.17	N 16.43 W 238.8	228.57			68.65	228.30	238.53	2952.75	3	2	343.53	N 16.07 W 51.1	49.07		14.18	424.70	192.51		
11	1	341.02	N 58.58 W 244.34	126.34			211.02	353.26	449.55		4	3	83.18	N 83.18 E	32.10	3.83	32.60	379.46	145.83	2744.99	
65	21	192.24	S 2.24 W 143.8		143.52	6.02	- 145.79	175.90			5	4	00.51	N 00.51 E	104.03	104.87	1.49	480.33	144.34		
65	190	185.15	S 5.15 W 142.0		143.38	13.45	- 292.17	189.35			6	5	335.53	N 24.07 W 44.84	40.82		18.27	521.15	162.61	2745.69	
66	191	159.25	S 21.35 E 261.11	234.26	58.68		- 521.93	96.67			7	6	352.09	N 7.51 W 41.91	41.90		5.71	562.55	168.32		
66	192	168.11	S 11.49 E 66.82	65.28	13.64		- 591.71	85.01	2844.45		8	7	353.50	N 6.10 W 30.87	30.55		3.30	551.70	165.91	2746.28	
66	193	124.01	S 55.59 E 78.7	43.95	65.12		- 635.66	17.89			9	8	322.38	N 37.22 W 49.9	39.54		30.19	591.24	196.10	2747.61	
67	194	40.05	N 40.05 E 57.7	44.04	37.04		- 591.62	- 19.17			10	9	350.58	N 9.02 W 80.57	79.48		12.64	670.72	208.74	2749.84	
67	194	338.05	N 21.54 W 123.4	114.43			46.00	- 477.28	129.01		11	10	171.09	S 8.51 E 43.43		42.85	6.62	622.87	202.07	2748.24	
68	195	338.12	N 26.48 W 53.7	476.96			240.31	+ 0.32	369.92		51	11	78.33	N 78.33 E 31.27	6.20		30.61	634.07	171.46		
6	1	347.11	N 12.49 W 341.07	353.04			80.30	353.32	450.22	2743.43	5	12	59.11	N 59.11 E 15.34	7.82		13.11	641.89	158.35		
6	12	4.58	N 4.58 E 290.04	290.90	25.89			353.26	449.55		13	13	342.46	N 17.12 W 20.11	19.97		6.18	661.86	164.53		
21	60	347.32.30	N 12.28 W 104.62	101.58			22.46	752.74	446.12	2743.58 BM	51	14	67.03.20	N 67.3.20 E 55.64	21.65		51.12	655.72	120.34		
22	61	12.22	N 12.22 E 193.22	188.73	41.38			941.97	404.74	2743.33	51	15	58.58.20	N 58.58.20 E 40.67	20.94		34.76	676.66	85.58	2749.15	
24	43	24.37	N 24.37 E 183.10	172.44	79.10			1114.11	325.64	2743.16	52	16	15.42	N 15.42 E 9.47	9.05		2.54	685.71	83.04		
24	54	55.31	N 55.31 E 134.13	77.07	112.21			1191.18	213.43	2807.64	52	17	344.44	N 15.16 W 10.4	9.97		2.72	686.63	88.30		
25	65	191.26	S 11.26 W 183.62	179.90	36.38			1011.28	249.81	2821.23	53	18	167.25.62	S 54.08 E 8.10		568	7.19	680.78	81.11	2702.33	
63	73	210.41.20	S 30.41.20 W 90.7	77.89	46.23			933.30	296.04		53	19	69.00	N 69.00 E 28.7	10.24		26.68	691.22	54.43		
63	183	213.12	S 35.12 W 86.72	69.04	45.98			864.35	341.42		45	20	338.17	N 21.43 W 53.6	49.70		19.79	720.42	228.53	2750.57	75
64	184	189.39.30	S 9.39.30 W 133.16	131.93	22.45			732.42	363.87		45	21	00.09	N 00.09 E 24.9	24.79	0.06		745.21	228.47	2750.83	
64	185	151.04	S 28.56 E 155.15	135.76	75.05			536.66	288.82		45	22	342.29	N 17.31 W 21.46	21.34		6.72	766.55	235.20	2751.31	
64	186	176.11.30	S 3.48.30 E 294.6	293.85	19.56			302.81	249.26		43	23	27.29	N 27.29 E 43.1	38.22		19.88	804.77	215.32	2753.00	
65	187	174.55	S 5.05 E 185.17	154.78	13.77			142.03	255.49		48	24	25.48	N 25.48 E 47.10	43.06		20.82	847.83	194.50	2754.18	
65	188	169.03	S 10.57 E 143.47	144.76	27.23			7.27	228.26		48	25	24.04	N 24.04 E 32.2	29.36		13.11	877.19	181.39	2755.00	
65	189	161.04.30	S 18.55.30 E 161.5	152.69	52.36			- 145.42	175.30		74	26	339.57.30	N 20.02.30 W 40.87	38.23		13.95	916.43	195.34	2755.27	
65	21	2.24	N 2.24 E 143.8	143.52	6.02			- 1.90	169.88		74	27	66.30.20	N 66.30.20 E 14.6	56.42		129.76	597.22	212.71	2798.11	67
54	43	23.10.20	N 23.10.20 E 182.7	173.77	74.38			1115.24	330.36		74	28	162.25.70	S 17.34.20 E 43.5		41.38	13.10	597.98	212.92	2798.83	4
68	62	7.45.40	N 7.45.40 E 182.4	180.66	24.62			1235.30	305.74	2741.78	72	29	135.38.20	S 44.21.40 E 26.8		19.06	18.44	536.78	180.97	2799.40	27
68	170	15.28	N 15.28 E 346.8	365.04	84.40			1600.94	221.34	2741.31	72	30	157.09	S 22.51 E 52.2		49.07	20.25	788.71	160.72		
55	171	55.11.40	N 55.11.40 E 24.7	13.31	19.18			1614.25	202.19	2755.63	63	31	172.13	S 0.47 E 18.7		18.62	0.25	470.09	160.47		
55	172	308.36	N 51.24 W 96.1	572.14	722.97			2191.39	925.16	2388.13	57	32	242.28.30	S 62.28.30 W 53.97		24.86	47.70	445.23	208.17		
55	A	189.48.30	S 9.48.30 W 122.7	120.79	20.88			2070.60	946.04	2390.08	70	33	219.59	S 39.59 W 8.2		6.30	5.27	438.93	213.44		
55	B	177.04	S 2.56 E 335.4	334.60	12.14			1736.00	928.90	2393.08	70	34	177.02.30	S 2.57.30 E 18.15		18.09	0.93	420.84	212.51		
55	C	162.15	S 17.45 E 91.8	86.71	27.25			1649.29	901.15	2394.05	70	35	162.05	S 17.55 E 44.95		42.62	13.78	378.22	198.73		
55	173	145.54.20	S 34.9.40 E 145.74	120.48	81.76			1320.81	819.39	2395.06	34	36	342.03	N 17.57 W 36.15	34.36		11.12	473.29	224.56		
56	174	187.7.20	S 7.7.20 W 54.3	55.85	6.98			1472.96	826.37	2395.79	45	37	347.55	N 12.05 W 41.4	40.42		8.15	637.64	221.36		
56	175	162.11.20	S 17.48.20 E 74.3	71.17	22.86			1401.79	803.51	2396.79	45	38	356.46	N 3.14 W 23.93	23.77		1.34	661.41	222.70		
56	176	146.14.20	S 33.45.40 E 154.11	128.80	84.03			1272.99	717.42	2400.17	45	39	335.49.40	N 24.10.20 W 20.77	18.83		8.46	680.24	231.16		
56	177	198.47.20	S 18.47.20 W 161.11	153.29	52.18			1119.70	769.57	2401.36	45	40	354.22	N 5.38 W 28.0	27.86		2.75	708.10	233.91	2799.22	66
56	178	19.41.40	N 19.41.40 E 67.8	63.71	22.80			1183.41	786.77	2401.00	71	41	7.19.40	N 7.19.40 E 37.0	36.69		4.72	744.79	229.19	2800.12	
56	179	138.48	S 41.18 E 143.8	127.66	111.76			1055.75	638.01	2558.47	43	42	310.20	N 49.40 W 9.53	6.12		7.21	750.91	236.40		
56	180	154.33	S 25.27 E 166.8	165.38	50.14			950.37	584.87	2603.82 RL	43	43	357.17	N 2.43 W 26.46	26.93		1.27	777.84	237.67	2804.14	
56	181	173.55.20	S 6.4.40 E 75.4	75.36	8.82			875.01	576.85	2603.82	43	44	312.08	N 47.52 W 15.78	10.48		11.58	788.32	249.25	2804.42	
56	A	141.01	S 38.59 E 46.87	35.80	28.37			839.21	547.88		43	45	354.42	N 5.18 W 58.12	57.85		5.36	846.17	254.61		
56	61	54.32	N 54.32 E 75.1	101.58	142.60			940.79	405.88	2743.33	9	46	66.29	N 66.29 E 96.10	38.64		88.79	635.62	124.13		
61	13	251.55	S 71.55 W 143.0	44.39	135.94			606.77	539.60	2667.49	6	47	65.24.20	N 65.24.20 E 26.17	11.22		24.51	646.84	99.62	2799.03	67
7	14	313.33	N 46.27 W 71.4	43.14				655.91	611.30	2620.33	6	48	65.22	N 65.22 E 10.10	4.51		9.85	651.35	89.77		
7	15	181.32	S 1.32 W 49.2	49.58	1.33			606.33	612.53	2604.75	6	49	61.45	N 61.45 E 14.14	6.67		12.42	658.02	77.35		
58	182	355.46.30	N 4.13.30 W 89.5	89.24	6.59			625.57	619.22	2604.76	71	50	158.02.40	S 21.57.20 E 20.7		18.74	7.55	632.61	82.22		
58	181	13.42	N 13.42 E 185.15	172.85	43.84			875.42	575.38	2603.82	71	51	340.39	N 19.71 W 100.3	94.58		33.21	741.42	132.83	2800.15	67
35	86	356.22.30	N 3.37.30 W 97.37	97.12																	