



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: D1419

DETAILS:

Geonet\Data\Snet\Srv29-30

Below are the results of the elevation survey of the Hall D berms. The location of sections on drawing RS001 were scaled to give an approximate easting for elevations to be measured. These are given in the table, with Sect301_1 referring to section 1 on drawing RS301. Points along the section are named a-f from south to north. For section 301_3 there appears to be a discrepancy with the contour plan CG104A. An additional section (3i) was measured at the approximate 50ft contour. A contour plan interpolated from all measured data is also attached for reference (this is using new software and should not be considered 100% accurate).

<u>Section</u>	<u>Scaled E</u>	<u>E</u>	<u>N</u>	<u>El.</u>	<u>Ideal Top El.</u>	<u>Diff.</u>
Sect301_1a	5729	5719.89	2869.21	36.51		
Sect301_1b		5720.73	2886.04	37.91	37.17	0.75
Sect301_1c		5721.88	2896.72	38.06	37.17	0.89
Sect301_1d		5721.82	2905.40	37.62	37.17	0.45
Sect301_1e		5721.88	2922.79	35.26		
Sect301_2a	5848	5848.11	2856.37	40.15		
Sect301_2b		5848.59	2876.50	45.86	46.00	-0.14
Sect301_2c		5848.13	2890.91	45.98	46.00	-0.02
Sect301_2d		5847.61	2908.58	45.45	46.00	-0.55
Sect301_2e		5846.10	2927.61	39.67		
Sect301_3a	5879	5870.55	2846.36	39.28		
Sect301_3b		5879.99	2859.47	45.23	50.00	-4.77
Sect301_3c		5879.75	2874.94	48.08	50.00	-1.92
Sect301_3d		5879.59	2889.36	48.56	50.00	-1.44
Sect301_3e		5878.91	2908.77	48.41	50.00	-1.59
Sect301_3f		5879.62	2927.10	44.15	* 48.5ft on contour plan	
Sect301_3ia	5890	5890.92	2862.84	47.15		
Sect301_3ib		5890.24	2879.84	50.31	50.00	0.31
Sect301_3ic		5890.00	2889.03	50.78	50.00	0.78
Sect301_3id		5887.82	2907.80	50.44	50.00	0.44
Sect301_3ie		5888.19	2926.54	44.92		
Sect301_4a	5902	5901.13	2844.78	46.09		
Sect301_4b		5902.09	2859.56	47.65	50.00	-2.35
Sect301_4c		5902.39	2876.32	50.96	50.00	0.96
Sect301_4d		5901.97	2889.25	51.44	50.00	1.44
Sect301_4e		5901.87	2908.99	50.63	50.00	0.63
Sect301_4f		5899.79	2926.59	45.33	50.00	-4.67

<u>Section</u>	<u>Scaled E</u>	<u>E</u>	<u>N</u>	<u>EI.</u>	<u>Ideal Top EI.</u>	<u>Diff.</u>
Sect302_1na	5920	5924.77	2842.58	44.24		
Sect302_1nb		5922.85	2860.90	49.43	51.42	-1.99
Sect302_1nc		5921.80	2873.73	51.37	51.42	-0.04
Sect302_1nd		5894.86	2886.63	50.83	51.42	-0.59
Sect302_1ne		5920.30	2890.10	51.63	51.42	0.22
Sect302_1nf		5918.64	2925.68	45.61		
Sect302_1sa	5936	5939.04	2843.44	44.46		
Sect302_1sb		5937.18	2871.50	51.42	51.42	0.00
Sect302_1sc		5936.17	2889.74	51.56	51.42	0.14
Sect302_1sd		5935.66	2908.97	50.82	51.42	-0.60
Sect302_1se		5936.36	2927.09	45.66		
Sect302_2a	5993	5982.86	2848.79	45.59		
Sect302_2b	at 2875.4N	5989.23	2866.24	50.75	51.58	-0.83
Sect302_2c		5992.73	2876.80	51.34	51.58	-0.25
Sect302_2d		6000.14	2897.12	51.27	51.58	-0.31
Sect302_2e		6009.66	2918.47	44.70		
Sect302_3a	6004	5994.98	2848.30	45.28		
Sect302_3b	at 2871.4N	6000.86	2865.19	50.54	51.42	-0.88
Sect302_3c		6004.01	2874.08	51.32	51.42	-0.10
Sect302_3d		6008.69	2888.16	51.46	51.42	0.04
Sect302_3e		6018.05	2905.64	46.21		
Sect302_4a	6026	6016.42	2847.75	44.45		
Sect302_4b	at 2867.4N	6024.13	2864.82	50.56	51.17	-0.60
Sect302_4c		6025.26	2867.74	50.69	51.17	-0.48
Sect302_4d		6028.80	2875.33	50.82	51.17	-0.34
Sect302_4e		6034.61	2890.80	46.48		
Sect303_1a	6156	6154.86	2848.19	42.22		
Sect303_1b		6155.53	2858.70	45.31	47.67	-2.36
Sect303_1c		6154.90	2870.36	47.27	47.67	-0.40
Sect303_1d		6155.33	2893.52	47.35	47.67	-0.32
Sect303_1e		6154.84	2913.87	46.90	47.67	-0.76
Sect303_1f		6155.48	2933.30	41.42		
Sect303_2a	6290	6292.59	2863.34	35.54		
Sect303_2b		6292.24	2874.65	37.75	43.50	-5.75
Sect303_2c		6291.73	2889.74	41.54	43.50	-1.96
Sect303_2d		6292.76	2894.57	41.79	43.50	-1.71
Sect303_2e		6292.89	2906.37	40.88	43.50	-2.62
Sect303_2f		6293.26	2917.26	39.93		