

007768  
Swim Lake

Survey  
Field  
Notes

Surveyor: D. H. ...

Date: 4<sup>th</sup> Aug 1965

Rodman: Frank Charlie.

Weather: Fine, calm.

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BS.	IS.	FS.	Dist.	Horz. Dist.	Horz. Angle.	Vert. Angle.	Vert. Dist.	Red.	Diff. Elev.	H. I.	R.L.	Remarks.
	Δ		825	825	00° 00'	270° 00'	00	5.276 5.18		3002.97	3000.00	Line 1E at Hub 0
	✓		808	808	09° 52'	270° 00'	00	6.81 6.62 6.99			2996.16	Hub at level Swim L.
	✓		1030	1030	328° 09'	270° 00'	00	6.83 6.58			2996.14	Hub at Lake near Line 8E
	✓		1032	1032	305° 08'	270° 00'	00	6.77 6.55			2996.20	Hub at Lake near Line 13E
	○		1703	1703	284° 05'	270° 00'	00	6.87 6.54			2996.08	Hub at Lake near Line 16E
					104° 05'							X Sta BS.
	Δ		11	11	120° 12'	270° 00'	00	8.75		3004.83		
	○		38	38	329° 41'	270° 00'	00	3.01 3.02	3.01		3001.82	Hub 16E 6S.
					139° 41'							X Sta BS.
	Δ		00			H.I.	00	4.57		3006.39		Δ at 16E 6S
	✓		100	100	314° 51'	90° 00'	+1.14	0.38	+1.36		3007.75	16E 7S
	○		199	198	314° 50'	93° 00'	(5.23) 10.40	2.39	+7.96		3014.35	16E 8S
	Δ		284	282	134° 50'	86° 00'	(6.96) +19.78	5.07 5.15	+24.85		3039.20	
	✓		140	189	134° 50'	274° 00'	(6.96) -13.40	5.51	-18.91		3020.29	16E 9S
	✓		103	103	134° 30'	270° 00'	00	11.49	-11.49		3027.71	16E 10S
	✓		-4	4		90° 00'	00	3.92	-3.92		3035.28	16E 11S
	✓		+181	180	314° 50'	94° 00'	(6.96) +12.65	5.26	+7.39		3046.59	16E 13S
	○		261	260	315° 00'	94° 00'	(6.96) +18.19	5.23 3.25	+14.90		3054.10	16E 14S
					135° 00'							X Sta BS
	Δ		00			H.I.	00	4.39	+4.39	3058.49		Δ at 16E 14S
	✓		102	100	315° 00'	98° 00'	(13.78) +14.05	2.91	+11.14		3069.63	16E 15S
	✓		203	198	314° 44'	99° 00'	(15.45) +31.40	4.94	+26.46		3084.95	16E 16S
	✓		300	293	314° 50'	99° 00'	(15.45) +46.40	4.40 4.51	+41.95		3100.44	16E 17S
	✓		68	68	37° 21'	90° 00'	00	3.16	-3.16		3055.33	2-16E
	○		164	163	38° 20'	94° 00'	(6.96) +11.46	4.50	+6.90		3065.39	2-15E
					218° 20'							X Sta BS
	Δ		00			H.I.	00	4.64	+4.64	3070.03		Δ at 2-15E
	✓		103	102	37° 31'	97° 00'	(2.10) +12.45	2.47	+9.98		3080.01	2-14E

Min. bars at State  
 4/20/70

Surv. No. 1

Surveyor:

Redman:

Date: 4<sup>th</sup> Aug 1965

Weather:

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BS	IS	FS	D.st.	Horz Dist.	Horz. Angle.	Vert Angle	Vert Dist	Red	Diff Elev	H. I.	R.L	Remarks.
										3070.03 ✓		
	✓		203	198	39°03'	99°00'	(15.45) +31.40	3.77	+27.63		3097.60	2-13 E.
	✓		302	294	39°03'	99°00'	15.45 +46.60	3.50	+43.16		3113.13	2-12 E.
	⊙		400	390	39°10'	261°00'	15.45 ✓ +61.80	5.6.11 ✓ 5.6.19 ✓	+55.65 ✓		3125.78 ✓	2-11 E. *
					219°10'							π st. B.S.
Δ			00'			H.I.	00	4.87	+4.87 ✓	3130.65 ✓		Δ at 2-14 E.
	✓		100	99	39°26'	95°00'	8.68 +8.68	2.50	+6.18		3136.83	2-10 E.
	✓		201	199	39°26'	96°00'	16.40 +20.90	3.92	+16.98		3147.63	2-9 E.
	✓		300	297	39°34'	96°00'	10.40 +31.20	5.48	+25.72		3156.37	2-8 E.
	✓		400	396	39°34'	96°00'	10.46 +41.60	5.90	+35.70		3166.35	2-7 E.
	✓		501	496	39°33'	96°00'	(10.46) +52.20	3.83 2.91 4.00	+48.29 ✓		<del>3169.81</del> 3178.94 ✓	2-6 E Hub.
	✓		43	43	304°33'	90°00'	00	3.40	-3.40		3127.25	13E 15 S
	✓		142	142	304°14'	90°00'	00	3.23	-3.23		3127.42	13E 16 S. } 13
	✓		246	246	304°06'	270°00'	00	1.56 1.63	-1.59		<del>3128.32</del> 3129.06	13E 17 S Hub *
	✓		89	89	123°57'	90°00'	00	10.60	-10.60		3120.05	13E 15 S
	⊙		181	180	124°13'	86°00'	(6.96) 12.59	10.42 ✓ 10.49 ✓	-23.04 ✓		3107.61 ✓	13E 14 S Hub
					304°13'							π st. BS
Δ			00			H.I.	00	4.03	+4.03 ✓	3111.64 ✓		Δ at 13E 14 S
	✓		95'	95	123°32'	86°00'	10.40 -9.87	11.05	-20.92		3090.72	13E 13 S.
	⊙		185	181	123°16'	81°20'	(14.62) 27.03	3.34 3.39	-30.40		3081.24 ✓	13E 12 S Hub
					303°16'							π st. BS
Δ			00			H.I.	00	4.32	+4.32 ✓	3085.56 ✓		Δ 13E 12 S
	✓		91	91	125°34'	87°00'	5.23 -4.75	13.50	-18.25		3067.31	13E 11 S
	⊙		188	185	125°24'	82°00'	(13.78) 25.87	3.32 3.38	-29.22		3056.34 ✓	13E 10 S Hub
Δ			200'	200	305°24'	92°00'	(3.49) 6.98	1.22 1.30	-5.72		3050.62 ✓	
	✓		101		305°07'	269°00'	1.74 +1.76	3.34	-1.58		3049.04	13E 9 S
	✓		00			H.I.	00	4.75	-4.75		3045.87	13E 8 S
	✓		101		124°58'	270°00'	00	11.91	-11.91		3038.71	13E 7 S

Surveyor:  
Redman

Date: Aug 4<sup>th</sup> 1962

Weather:

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BS	IS	FS	Dist.	Horz. Dist.	Horz. Angle.	Vert. Angle.	Vert. Dist.	Red.	Diff. Elev.	H. I.	R. L.	Remarks.
		0	201'	200	125° 16'	275° 00'	(8.68) 17.42	4.30	-21.72	3050.62	3028.90	13E 6 S
					305° 16'							X stn BS
Δ			00'	00		HI	00	4.94	+4.94	3033.84		Δ at 11E 6 S
		✓	99		125° 19'	81° 00'	15.45 -15.30	4.30	-19.60		3014.24	13E 5 S
		✓	195'		125° 05'	91° 00'	15.45 -30.10	3.03	-33.13		<del>3000.71</del> (2996.20)	13E 4 S
		0	244'	240	125° 06'	82° 00' 278° 00'	13.78 33.60	4.18 4.21	-37.79		2996.05	Hub at Lake near Line 13?
<hr style="border: 2px solid red;"/>												
					148° 09'						2996.14	X stn BS. Hub at Lake near Line 9E.
Δ			3	3	-	HI	00	5.10	+5.10	3001.24		
		✓	38		313° 25'	90° 00'	00	3.11	-3.11		2998.13	8E 3 S
		✓	130		314° 07'	102° 00'	20.34 +26.40	4.19	+21.61		3022.85	8E 4 S
		0	241	231	134° 12'	102° 00' 258° 00'	(20.34) 48.98	3.92 3.99	+45.02		3046.26	8E 5 S Hub
Δ			290	284	314° 12'	82° 00' 278° 00'	(13.78) 39.97	8.55 8.55	+48.55		3094.21	
		✓	198		314° 12'	276° 00'	10.40 -20.60	10.11	-30.71		3064.10	8E 6 S
		✓	100		314° 15'	276° 00'	10.40 -10.40	5.18	-15.58		3079.93	8E 7 S
		✓	06		-	HI	00	4.89	-4.89		3089.92	8E 8 S
		✓	107		134° 17'	93° 00'	5.23 +5.60	3.01	+25.9		3091.40	8E 9 S
		✓	210		134° 33'	94° 00'	6.96 +14.60	3.58	+11.02		3105.83	8E 10 S
		0	302	299	134° 38'	96° 00' 264° 00'	(10.40) 31.40	4.30 4.35	+27.08		3121.89	8E 11 S Hub
					314° 30'							X stn BS.
Δ			00'	00	-	HI	00	4.08	+4.08	3125.97		Δ at 8E 11 S
		✓	92		135° 27'	103° 00'	21.92 +20.15	3.53	+16.52		3142.49	8E 12 S
		0	187	174	134° 45'	103° 00'	(21.92) 40.95	1.91	+39.04		3165.01	8E 13 S
Δ			34	34	314° 45'	90° 00'	00	10.14	+10.14	3175.15		
		✓	58		134° 16'	90° 00'	00	3.82	-3.82		3171.33	8E 14 S
		0	159	159	134° 14'	90° 00' 270° 00'	00	4.60 4.65	-4.62		3170.53	8E 15 S Hub

Surveyor: J. H. W. Wall

Date: 5th Aug 1965

Rodman: Albert

Weather:

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BS	IS	FS	Dist	Horiz. Dist.	Horiz. Angle	Vert. Angle	Vert. Dist	Rod	D. & Elev	HI	R.L	Remarks
					314° 14'						3170.53	8 E 15 S Hub
Δ			00'	00	—	HI	00	4.65	+4.65	3175.18		At Sta BS.
	⊙		68'	68	227° 56'	95° 00'	(8.68) 5.90	1.08	+4.82		3178.94 3180.00	Δ at 8 E 15 Hub 2 - 6 E Hub
<del>DAW</del>												
Aug 5th 1965 Fine Warm												
					0° 00'						3100.44	16 E 17 S Hub
Δ			00	00	—	HI		4.29	+4.29	3104.73		
✓			98		180° 00'	98° 00'	+13.50	2.02	+11.48		3116.21	16 E 18 S
✓			200			100° 00'	+34.20	5.03	+29.17		3133.90	16 E 19 S
	⊙		297	288	180° 10'	260° 00'	+50.80	2.32 2.37 2.43	+48.43		3153.16	16 E 20 S
					00° 10'							At Sta BS.
Δ			00	00	—	HI		4.51	+4.51	3157.67		Δ at 16 E 20 S
✓			108		180° 50'	104° 00'	+25.35	2.93	+22.42		3180.09	16 E 21 S
✓			203		180° 42'	105° 00'	+50.75	3.74	+47.01		3204.68	16 E 22 S
	⊙		304	284	180° 43'	1050 30' 254° 30'	+18.35	3.15 3.20 3.26	+75.15		3232.82	16 E 23 S
					00° 43'							At Sta BS
Δ			00	00	—	HI		4.44	+4.44	3237.26		Δ at 16 E 23 S
✓			92		180° 29'	105° 00'	+23.00	4.15	+18.85		3256.11	16 E 24 S
	⊙		210	196	180° 17'	1050 30' 254° 30'	+54.08	2.58 2.63 2.68	+51.45		3298.71	16 E 25 S
					00° 17'							At Sta BS
Δ			00'	00	—	HI		4.56	+4.56	3293.27		Δ at 16 E 25 S
✓			98		180° 26'	106° 00'	+25.95	3.76	+22.19		3315.46	16 E 26 S
	⊙		200'	183	180° 26'	107° 00' 253° 00'	55.92	5.52 5.55 5.59	+50.37		3343.64	16 E 27 S
					00° 26'							At Sta BS
Δ			00	00	—	HI		4.58	+4.58	3348.22		Δ at 16 E 27 S
✓			101		180° 45'	102° 00'	+20.55	1.66	+18.89		3367.11	16 E 28 S

Surveyor:

Date: E

Area: C

Rodman:

Weather:

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BS	IS	FS	Dist	Horiz Dist.	Horiz Angle	Vert. Angle	Vert. Dist	Rod	Diff Elev	HI	R.L	Remarks
										3348.22		
	✓		200		180°45'	102°30'	+4235	3.84	+38.51		3386.73	16 E 29 S
		○	300	288	180°45'	102°30'	+6345	7.52 7.56	+55.89		3404.11	16 E 20 S 3-16 E
					00°45'							7 STN BS
Δ			00	00	—	HI		4.66	+4.66	3408.77		Δ at 3-16 E
	✓		99		270°46'	86°00'	-6.89	8.02	-14.91		3393.86	3-15 E
	✓		194		271°16'	86°00'	-13.50	9.25	-22.75		3386.02	3-14 E
		○	232	231	271°24'	86°00'	-16.18	11.15 11.27	-27.37		3381.40	+ L 13 E
					91°24'							7 STN BS
Δ			00	00	—	HI		4.62	+4.62	3386.02		Δ at 3-13 E
	✓		57'		271°24'	90°00'	00	11.17	-11.17		3374.85	3-13 E
	✓		155'		271°24'	86°00'	-10.80	11.93	-22.73		3363.29	3-12 E
	✓		253		271°24'	84°00'	-26.30	9.02	-35.32		3350.90	3-11 E
	✓		350		271°24'	83°30'	-39.40	2.93	-42.33		3343.69	3-10 E
	✓		447		271°23'	84°00'	-46.50	7.55	-53.75		3332.27	3-9 E
	✓		543	537	271°20'	82°50'	-57.95	10.94 11.04 11.14	-68.98		3315.63 3317.04	* 3-8 E Hub
	✓		99		346°52'	81°00'	-15.30	10.90	-26.20		3359.82	13 E 29 S
		○	199	189	346°51'	77°00'	-43.55	8.12 8.12 8.12	-51.71		3334.31	13 E 28 S
					105°00'			5.21 5.25				
Δ			205	191	166°51'	255°00'	-51.30	5.30	-46.05	3288.26		
	✓		102		166°45'	255°00'	+25.50	5.30	+20.20		3308.46	13 E 27 S
	✓		00		—	HI		5.00	-5.00		3283.26	13 E 26 S
	✓		101		347°48'	77°00'	-22.10	6.32	-28.42		3259.84	13 E 25 S
		○	179	189	347°30'	283°00'	-43.60	4.70 4.70 4.70	-48.41		3239.85	13 E 24 S
					100°00'			3.02 3.06				
Δ			200	194	167°30'	260°00'	-34.20	3.09	-31.14	3209.71		
	✓		99		167°50'	260°00'	+16.90	4.21	+12.69		3224.40	13 E 23 S
	✓		00		—	HI		4.62	-4.62		3204.09	13 E 22 S
	✓		101		346°50'	79°00'	-18.93	10.48	-29.41		3180.30	13 E 21 S
	✓		203		347°10'	75°00'	-50.75	2.93	-53.68		3155.03	13 E 20 S

Surveyor:  
Redman:

Date: 5<sup>th</sup> Aug 62

Weather:

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BS	IS	FS	Dist	Horiz Dist	Horiz Angle	Vert. Angle	Vert. Dist	Red	DR Elev	HI	R.L	Remarks
										3209.71		
		0	301	282	347°15'	75°20'	-73.00	3.80	-76.80		3131.91	13 E 19 S
A			197	196	167°15'	93°00'	+10.29	+10.62	+0.33	3132.24		OK at 11 between 18-19
	✓		94		167°15'	90°00'		2.20	-2.20		3130.04	13 E 18 S
		0	00	00	—	HI		3.92	-3.92		<del>3129.96</del> 3128.32	OK at 11 13 E 17 S Hub
					346°20'							T Sta FS
<b>DAW</b>												
A			290	286	0°00'	83°00'	+35.05	6.74	+41.79	3221.79	<del>3178.94</del> 3180.00 1.06	BL 2 - GE - 1.00
	✓		195		0°00'	86°00'	-13.60	14.00	-27.60		319 <sup>3</sup> 1.19	2 - S E
	✓		98		0°00'	86°00'	-6.71	6.82	-13.53		320 <sup>7</sup> 8.26	2 - 4 E
	✓		00		—	HI		4.50	-4.50		321 <sup>6</sup> 7.09	2 - 3 E
	✓		98'		180°18'	90°00'		0.52	-0.52		322 <sup>0</sup> 7.27	2 - 2 E
	✓		198	198	180°27'	92°00'	+6.91	0.53	+6.38		322 <sup>7</sup> 7.17	2 - 1 E
	✓		98		78°50'	90°00'		7.77	-7.77		321 <sup>3</sup> 7.02	GE 16 S
	✓		198		78°28'	90°00'		9.25	-9.25		321 <sup>1</sup> 7.54	GE 17 S
		0	297	297	78°20'	90°00'		3.70	-3.70		321 <sup>7</sup> 8.09	GE 18 S Hub
<b>DAW</b>												
A			245	244	0°00'	87°00'	+12.80	13.92	+26.72	3254.89	322 <sup>7</sup> 7.17	BL 2 - 1 E
	✓		00		—	HI		4.50	-4.50		32 <sup>49</sup> 0.39	16 S } BL 2 Lm 2 W }
	✓		101		268°30'	84°00'	-10.50	13.44	-23.94		323 <sup>29</sup> 0.95	2 W 15 S
	✓		192		268°00'	79°00'	-36.00	7.34	-43.34		32 <sup>10</sup> 1.55	2 W 14 S
		0	286	278	268°18'	80°00'	-48.95	5.02	-53.97		32 <sup>199</sup> 0.92	2 W 13 S
A			259'	251		100°00'	-44.40	7.73	-36.67	3164.25		
	✓		152			100°00'	+26.00	4.24	+21.76		318 <sup>5</sup> 6.01	2 W 12 S
			55			100°00'	+9.40	3.68	+5.72		318 <sup>8</sup> 9.97	2 W 11 S

Surveyor:

Date: 5<sup>th</sup> Aug

Rodman:

Weather:

BS.	IS.	FS	Dist	Horiz Dist	Horiz Angle	Vert. Angle	Vert. Dist	Rod	D. H. Elev	H.I.	R.L	Remarks.
										3164.25		- 1.00
	✓		44			88° 00'	-11.54	14.38	-15.90		3148.35	24 10 S
	✓		147			80° 00'	-25.10	13.28	-38.38		3128.87	24 9 S
		⊙	246	238		81° 00'	-42.05	9.98	-52.08		3111.22	24 8 S
Δ			276	268		100° 00'	-47.15	6.45	-40.70	3071.52		
	✓		175			100° 00'	+29.90	5.11	+24.79		3096.31	24 7 S
	✓		74			100° 00'	+12.65	4.40	+8.25		3079.77	24 6 S
	✓		35			90° 00'		10.01	-10.01		3061.51	24 5 S
	✓		122			83° 00'	-14.75	12.03	-27.78		3048.74	24 4 S
	✓	⊙	224	218		80° 00'	-38.30	5.43	-43.73		3021.79	24 3 S
Δ			298	296	0° 00'	91° 20'	-22.45	0.70	-21.75	3006.04		
	✓		200			93° 00'	+10.45	3.38	+7.07	4.94	3018.11	24 2 S
	✓		99			91° 00'	+11.73	2.81	-1.08		3004.96	24 1 S
	✓		00			11 I		4.19	-4.19		3001.85	24 0
		⊙	306	306	272° 04'	90° 00'		5.08	-5.08		2999.90 / 3000.96	Hub at BLI-05
											2999.96	- 0101

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Surveyor: D.A. Wainall Date: 6<sup>th</sup> Aug 65

Rodman: Alfred Charlie Weather Fine Warm

B.	I.S.	F.S.	Dist	Horiz Dist	Horiz Angle	Vert. Angle	Vert. Dist	Rod	D.H. Elev	H.I.	R.L.	Remarks.
											3001.85	Hub <sup>BL</sup> 1-2 W
Δ			398	396	0° 00'	87° 00'	+20.82	6.54	+27.47	3029.32		
	✓		00			HI		4.60			3024.70	Hub <sup>BL</sup> 1-6 W
	✓		97		89° 00'	98° 00'	+13.68	2.09	+11.59		3040.91	GW 1 S
	○		197	191	89° 03'	100° 00'	+33.68	2.39	+31.29		3060.61	GW 2 S
Δ			303	290		78° 00'	+61.60	10.83	+72.43	3133.04		
	✓		203			79° 00'	-38.00	11.12	-49.12		3083.92	GW 3 S
	✓		102			82° 00'	-14.65	11.75	-25.80		3107.24	GW 4 S
	✓		A			HI		5.55	-5.55		3127.49	GW 5 S
	✓		98			99° 00'	+15.10	1.35	+13.75		3146.79	GW 6 S
	✓		201			100° 00'	34.40	5.34	+29.06		3162.10	GW 7 S
	○		301	292		100° 00'	+51.47	5.52	+45.95		3178.99	GW 8 S
Δ			128	125		81° 00'	+19.78	6.82	+26.60	3205.59		
	✓		30			90° 00'		9.22	-9.22		3196.37	GW 9 S
	✓		72			95° 00'	+6.25	2.70	+3.55		3209.14	GW 10 S
	✓		171			96° 00'	+17.70	2.58	+15.12		3226.71	GW 11 S
	○		272	268		97° 00'	+32.90	4.98	+27.92		3233.51	GW 12 S
Δ			141	139		83° 00'	+17.05	6.22	+23.27	3256.78		
	✓		41			90° 00'		8.17	-8.17		3248.61	GW 13 S
	✓		58			93° 00'	+3.03	2.23	+0.80		3257.58	GW 14 S
	✓		161			95° 00'	+13.90	4.73	+9.17		3265.95	GW 15 S
	○		254	252		96° 00'	+26.40	5.03	+21.47		3278.25	GW 16 S
Δ					0° 00'							BL 2
	○				91° 00'							92° 92'
					06° 00'							BS, GW 16 S BL 2
Δ			251	249		94° 30'	-19.65	4.52	-15.13	3263.12		
	✓		00			HI		4.60			3258.32	3 W BL 2
	✓		86			98° 00'	+11.85	0.90	+10.95	DAW	3274.07	3 W 17 S

Surveyor:

Date: 6<sup>th</sup> Aug 1965

Rodman:

Weather

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E	IS	FS	Dist	Horiz Dist	Horiz Angle	Vert. Angle	Vert. Dist	Rod	D.H. Elev	H.I.	R.L.	Remarks
	✓		173			99°00'	+26.80	3.89	+22.91	3263.12	3281.03	3W 18 S
	✓		263			99°00'	+40.70	4.56	+36.14		3299.26	3W 19 S
	○		363	354	268°10'	99°00'	+56.05	10.32	+45.73		3308.85	3W 20 S
△			220	219		88°00'	+7.66	12.68	+20.34	3329.19		
	✓		130	130		89°00'	-4.50	8.99	-13.49		3315.70	3W 21 S
	✓		28	28		90°00'		4.85	-4.85		3324.34	3W 22 S
	✓		60			90°00'		3.41	-3.41		3325.78	3W 23 S
	✓		157			92°00'	+5.50	4.68	+0.82		3330.01	3W 24 S
	○		250	249		92°00'	+8.74	2.16	+6.58		3335.77	3W 25 S
△			204	203		86°30'	+12.44	6.27	+18.71	3354.48		
	✓		113			87°00'	-5.90	6.81	-12.71		3341.77	3W 26 S
	✓		00			H I		4.35	-4.35		3350.13	3W 27 S
	○		106	106		92°00'	+3.70	4.20	-0.50		3353.98	3W 28 S
△			183	176	0°00'	79°00'	+34.30	5.00	+39.30	3393.28		
	✓		61			84°00'	-6.35	14.40	-20.75		3372.53	3W 29 S
	✓	○	00	00		H I		4.64	-4.64		3387.63 3388.64	BL 3 - 3W
					94°30'							
					0°00'							BL 3
△			335	332		95°00'	-29.05	9.01	-20.04	3368.60		BL 3 3W
	○		00	00		H I		4.73			3364.05 3363.87	BL 3 1E
					86°13'							Line 1E
												Trail crosses
												EL 3 100 E of E

DAW

Surveyor:

Date: 6th Aug 1965

Rodman:

Weather:

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B.S.	IS	FS	Dist.	Horz Dist	Horz Angle	Vert Angle	Vert D.F.	Rod	DIF Elev	H.I.	R.L.	Remarks
											3317.04	
A			182	182	0° 00'	90° 00'		14.22	+14.22	3331.26		BL 3 8 E
	✓		00			H.I.		4.68	-4.58		3326.68	6 E 30 S
	✓		62		250° 00'	80° 00'	-10.60	7.48	-18.08		3313.18	6 E 29 S
	✓		162			80° 00'	-27.75	3.99	-31.74		3299.52	6 E 28 S
	✓		259		258° 00'	80° 00'	-44.30	4.50	-48.80		3282.46	6 E 27 S
	○		360	349		80° 00'	-61.50	1.66	-69.10		3262.16	6 E 26 S
A			197	195		95° 30'	-18.92	2.19	-16.63	3245.53		Trail
	✓		98			91° 00'	+11.71	2.67	+0.96		3246.49	6 E 25 S
	✓		00			H.I.		4.66	-4.66		3240.87	6 E 24 S
	✓		99			90° 00'		12.23	-12.23		3233.30	6 E 23 S
	✓		197			88° 00'	-6.86	7.73	-14.69		3230.84	6 E 22 S
	○		296	295		88° 10'	-9.46	1.97	-11.43		3234.10	6 E 21 S
A			298	297		267° 00'	-15.60	5.50	-10.10	3224.00		
	✓		204			267° 00'	+10.65	6.58	+4.07		3228.07	6 E 20 S
	✓		98			268° 00'	+3.30	3.11	+0.19		3224.19	6 E 19 S
	○		00	00		H.I.		4.82	-4.82	DAW	3217.09 3219.18	6 E 18 S
<hr style="border: 2px solid red;"/>												
											3354.08	BL 2 10 W
A			11	11	0° 00'	90° 00'		6.17	+6.17	3360.25		
	✓		91		274° 30'	83° 00'	-11.00	5.52	-16.52		3343.73	10 W 15 S
	✓		192			83° 00'	-23.40	9.68	-33.08		3327.17	10 W 14 S
	✓		289			83° 00'	-34.95	10.70	-45.65		3314.60	10 W 13 S
	○		392	385		82° 30'	-50.65	3.13	-53.78		3306.47	10 W 12 S
A			324	314		100° 20'	-57.20	6.15	-51.05	3255.42		
	✓		213			100° 00'	+36.40	4.19	+32.21		3287.63	10 W 11 S
	✓		114			98° 00'	+15.70	2.81	+12.89	DAW	3268.31	10 W 10 S

Surveyor:  
Rodman:

Date: 6<sup>th</sup> Aug 1905

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B.S.	IS.	FS.	Dist.	Horz Dist	Horz Angle	Vert Angle	Vert D.H.	Rod	D.H. Elev	H.I.	R.L.	Remarks
										3255.42		
	✓		12			90° 00'		3.70	-3.70		3251.72	10 W 9 S
	✓		89			87° 00'	-4.65	14.39	-19.04		3236.38	10 W 8 S
	✓		184			83° 00'	-22.20	11.47	-33.67		3221.75	10 W 7 S
	○		288	281		81° 00'	-44.50	12.90	-57.40		3198.02	10 W 6 S
Δ			215	202		104° 00'	-50.50	+6.07	-44.43	3153.59		
	✓		107			104° 00'	+25.10	6.28	+18.82		3172.41	10 W 5 S
	✓		4			90° 00'		3.55	-3.55		3150.04	10 W 4 S
	✓		91			82° 00'	-12.55	14.18	-26.73		3126.86	10 W 3 S
	○		201	191		77° 00'	-44.10	11.96	-56.06		3097.53	10 W 2 S
Δ			216	186	0° 00'	112° 00'	-75.10	14.35	-60.75	3036.78		
	✓		107		c	109° 00'	+32.95	4.60	+28.35		3065.13	10 W 1 S
	✓		00			H.I.		4.80	-4.80		3031.98	BL 1 10 W Hob
	○		401	401	270° 10'	90° 00'		12.68	12.68		3024.76 3024.10	BL 1 6 W Hob

DAW

Surveyor: D. A. Dunal

Date: 7<sup>th</sup> Aug 65

Rodman: A. Grad

Weather: Fine Cloudy

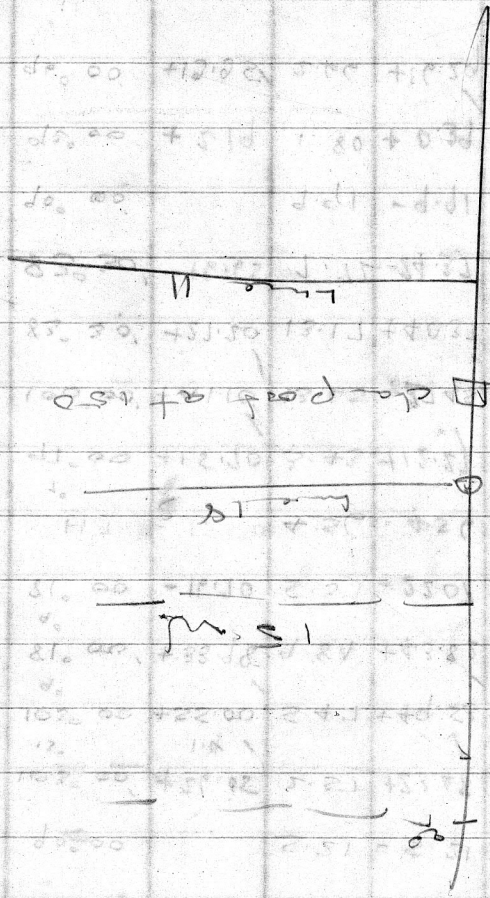
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BS	IS	FS	Dist.	Horz Dist	Horz Angle	Vert Angle	Vert D.H.	Rod	D.H. Elev	HI.	R.L.	Remarks
Δ			400	398	0° 00'	87° 00'	+20.90	3.22	+24.12	3056.01	3031.88	BL1 10W
✓			00'			HI		4.74	-4.74		<del>3052.00</del> 3051.27	BL1 14W
✓			119			108° 00'	+35.00	3.88	+31.12		3087.13	14W 1S
✓			220			109° 00'	+67.60	3.87	+63.73		3119.74	14W 2S
○			320	286	88° 30'	109° 40'	+101.50	3.98	+97.52		3153.53	14W 3S
Δ			203	190		75° 00'	+50.75	5.78	+56.53	3210.06		
✓			103			76° 00'	-23.80	4.57	-19.23		3190.83	14W 4S
✓			2			90° 00'		5.21	-5.21		3204.85	14W 5S
✓			119			103° 00'	+26.65	2.57	+23.48		3233.54	14W 6S
○			251	238		13° 14'	103° 00'	+35.00	5.47	+49.53	3259.59	14W 7S
Δ			220	214		9° 81° 00'	+33.98	9.84	+43.82	3303.41		
✓			108			9° 81° 00'	-16.70	5.37	-22.07		3281.34	14W 8S
✓			00			HI	-15.70	4.56	-4.56		3298.85	14W 9S
✓			130			7° 71° 00'	+15.70	3.43	+12.27		3315.68	14W 10S
○			240	233		100° 00'	+41.10	13.65	+27.45		3340.86	14W 11S*
Δ			242	235		83° 30'	+27.20	13.17	+40.37	3381.23	30.50	
✓			148			83° 30'	-16.65	7.72	-24.37		46.50 3356.86	14W 12S
✓			48			90° 00'		9.91	-9.91		60.96 3371.32	14W 13S
✓			63			92° 00'	+2.19	1.80	+0.39		71.26 3381.62	14W 14S
○			192	190		96° 00'	+19.95	2.66	+16.29		3399.84 3397.52	BL 2 13W 15S
					0° 00'						87.16 72	BS line 14W
Δ			00'	00		HI		4.79	+4.79	3402.31		Δ at 13W 15S
○			27	27		90° 00'		7.15	-7.15		3395.16	BL 2 14W
					87° 50'						85.89	BL 2 → E
					89° 50'							" → W

3387.57  
72  
85.85

DAW

$$\begin{array}{r}
 86.60 \\
 95.16 \\
 \hline
 8.56
 \end{array}$$



Note  
 Line Bands 4° 30' E at 11W 11S  
 13 appear to be mixed out.

Surveyor:

Rodman

Date 7 Aug 65

Weather

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BS	IS	FS	Dist	Horz Dist	Horz Angle	Vert Angle	Vert D.ft	Rod	D. H Elev	H.I.	RL	Remarks
											<del>3386.60</del>	BL 2 <del>13</del> ✓
Δ			205	203	0° 00'	96° 00'	-21.30	4.25	-17.05	3369.55		Take off ↗
✓			00			HI		4.86	-4.86		3364.69	BL 2 11 W ?
✓			99			87° 00'	-5.16	10.41	-15.47		3354.08	2 10 W
✓	0		97	95	265° 30'	98° 00'	+13.35	3.49	+9.86		3379.41	11 W 17 S
Δ			317	315		87° 10'	+15.65	5.58	+21.23	3400.64		
✓			219			88° 00'	-7.65	8.64	-16.29		3384.35	11 W 18 S
✓			115			90° 00'		10.18	-10.18		3390.46	11 W 19 S
✓			16			90° 00'		5.13	-5.13		3395.51	11 W 20 S
✓			85			94° 00'	+5.91	4.60	+1.31		3401.95	11 W 21 S
✓			182			94° 00'	+12.69	6.05	+6.54		3407.18	11 W 22 S
✓			280			94° 00'	+19.50	6.33	+13.17		3413.81	11 W 23 S
✓			379			94° 00'	+26.40	6.39	+20.01		3420.65	11 W 24 S
✓	0		479	475		94° 00'	+33.35	10.12	+23.23		3423.87	11 W 25 S
Δ			398	398	0° 00'	90° 00'		10.19	+10.19	3434.06		
✓			300			90° 00'		9.33	-9.33		3424.73	11 W 26 S
✓			201			90° 00'		9.12	-9.12		3424.94	11 W 27 S
✓			104			90° 00'		7.67	-7.67		3426.39	11 W 28 S
✓			5			90° 00'		3.40	-3.40		3430.66	11 W 29 S
✓			00	00		HI		4.45	-4.45		3430.18	BL 3 11 W
											3429.61	2 W 14 ?
✓	0		259	256	280° 45'	96° 00'	+26.95	5.41	+21.54		3451.15	BL 3 14 W ?
Δ			394	390	0° 00'	84° 00'	+40.98	4.02	+45.00	3496.15		* ?
✓					263° 10'							Bear L 18 W
* 0			315	308	186° 10'	98° 00'	+43.45	7.30	+36.15		3537.69	L 219 W
					0° 00'						3537.16	BL 3 20 approx
												BS BL 3 → E
Δ			00	00		HI		5.02	+5.02	3542.71		Δ at BL 3 19 W
✓			98		266° 30'	90° 00'		9.58	-9.58		3533.13	19 W 29 S
✓			197			90° 00'		13.57	-13.57		3529.14	19 W 28 S

Surveyor:  
Rodman

Date 7 Aug 1965  
Weather



BS	IS/FS	Dist	Horz Dist	Horz Angle	Vert Angle	Vert D.H	Rod	D.H Elev	H.I.	RL	Remarks
									3542.71		
✓		292			89°00'	-5.10	11.47	-16.57		3526.14	19W 27S
○		394	393		88°00'	-13.75	4.63	-18.38		3524.33	19W 26S
△		291	289		94°00'	-20.25	7.93	-12.32	3512.01	3512.01	
✓		193			94°00'	+13.40	4.69	+8.71		3520.72	19W 25S
✓		97			94°00'	+6.75	4.21	+2.54		3514.55	19W 24S
✓		00			HI		4.73	-4.73		3507.28	19W 23S
✓		100			90°00'		7.83	-7.83		3504.18	19W 22S
✓		199			90°00'		12.05	-13.05		3498.96	19W 21S
○		294	293		88°00'	-10.25	8.32	-18.57		3493.44	19W 20S
△		251	246	0°00'	98°00'	-34.60	13.67	-20.98	3472.46	3472.46	
✓		154			98°00'	+21.25	9.15	+12.10		3484.56	19W 19S
✓		53			95°00'	+4.60	5.52	-0.92		3471.54	19W 18S
✓		00			HI		4.73	-4.73		3465.01	
✓		598		271°20'	82°30'	-77.50	4.25	-81.75		3467.73	BL 2 19W
○		240	236	271°20'	83°00'	-29.00	5.72	-34.72		3395.76	BL 2 14W
				0°00'						3390.71	BL 2 17W
△		00	00		HI		4.82	+4.82	3442.56	3437.74	BS BL 2 W Line 18W A BL 2 17S
✓		22			90°00'		2.94	-2.94		3439.62	BL 2 17W
✓		139			86°00'	-9.70	8.50	-14.20		3424.36	18W 16S
✓		239			86°00'	-16.60	11.55	-28.15		3414.41	18W 15S
○		340	337	267	84°00'	-35.35	7.18	-42.53		3400.03	18W 14S
△		309	296		102°00'	-62.85	8.21	-54.64	3345.39	3345.39	
✓		203			102°00'	+41.35	5.81	+35.54		3380.93	18W 13S
✓		100			102°00'	+20.45	7.16	+13.20		3358.68	18W 12S
✓		00			HI		5.41	-5.41		3339.99	18W 11S
✓		101			79°00'	-18.90	6.94	-25.84		3319.55	18W 10S
✓		210			79°00'	-39.30	6.63	-45.93		3299.46	18W 9S

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Date Aug 7<sup>th</sup> 1965

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BS	IFS	Dist	Horz Dist	Horz Angle	Vert Angle	Vert D.H	Rod	D.H Elev	H.I.	R.L.	Remarks
									3345.39		
✓		310			78° 30'	-63.00	2.64	-65.64		3279.75	18 W 8 S
○		415	400		79° 00'	-77.65	5.26	-82.91		3262.48	18 W 7 S
△		418	396		103° 00'	-91.60	4.80	-86.80	3175.68		
✓		306			103° 00'	+67.00	4.26	+62.74		3238.42	18 W 6 S
✓		200			103° 00'	+43.75	4.35	+39.40		3215.08	18 W 5 S
✓		97			103° 00'	+11.25	2.88	+18.37		3194.05	18 W 4 S
✓		3			HI		5.15	-5.15		3170.53	18 W 3 S
✓		105			76° 00'	-24.62	13.25	-37.87		3137.81	18 W 2 S
○		212	192		72° 00'	-62.30	14.18	-76.48		3097.99 3099.20	+ 1.21 BL 1 18 W
				0° 00'							BS Line 18 W
△		00	00		HI		4.29	+4.29	3103.49		
○		396	392	273° 00'	84° 20'	-38.95	15.00	-53.95		3052.00 3049.54	- 2.46 BL 1 14 W

Surveyor D. H. Wannall

Date 8th Aug 65

Rodman

Alfred Charlie

Weather Fine Warm Cloudy

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BS	IS	FS	Dist	Horiz Dist	Horiz Angle	Vert Angle	Vert Dist	Rod	D. of Elev	H.I.	RL	Remarks
											<del>3099.20</del> 3095.99	BL 1 18 W
Δ			401	395	0° 00'	83° 00'	+48.50	3.47	+51.97	3149.96 <sup>50</sup>	121	+1.0
✓			00			HI		4.75	-4.75		<del>3145.21</del> <sup>46</sup>	+1.0 BL 1 27 W
✓			103		90° 00'	109° 00'	+31.65	2.76	+27.89		3178.85	22 W 1
		○	214	182	90° 10'	111° 00'	+71.50	14.93	+56.57		<del>3206.53</del> <sup>7</sup>	22 W 2 S
Δ			302	289		78° 00'	+61.40	4.68	+70.08	3276.61 <sup>7</sup>		
✓			204			78° 00'	-41.40	4.70	-46.10		3231.51	22 W 3 S
✓			101			78° 00'	-20.36	2.74	-23.04		3254.57	22 W 4 S
✓			00			HI		4.70	-4.70		3272.91	22 W 5 S
✓			103			99° 00'	+15.93	5.08	+10.85		3288.46	22 W 6 S
✓			205			99° 00'	+31.65	2.10	+29.55		3307.16	22 W 7 S
		○	308	297		101° 00'	+57.70	6.69	+51.01		<del>3327.62</del> <sup>8</sup>	22 W 8 S
Δ			308			78° 00'	+62.60	8.12	+70.72	3397.34 <sup>9</sup>		
✓			205			78° 00'	-41.70	6.85	-47.75		3351.59	22 W 9 S
✓			102			78° 00'	-20.75	5.51	-26.26		3373.08	22 W 10 S
✓			00			HI		5.00	-5.00		3394.34	22 W 11 S
✓			101			102° 00'	+20.45	4.11	+16.34		3415.68	22 W 12 S
		○	206	197		102° 00'	+41.85	6.67	+35.18		<del>3437.52</del> <sup>4</sup>	22 W 13 S
Δ			202	196		80° 00'	+34.55	11.40	+45.95	3479.47 <sup>90</sup>		
✓			104			80° 00'	+17.80	6.31	-24.11		3456.36	22 W 14 S
✓			00			HI		5.48	-5.48		3474.99	22 W 15 S
✓			102			95° 00'	+8.85	5.19	+3.66		3484.13	22 W 16 S
		○	165	163		95° 40'	+15.95	8.04	+7.91		<del>3487.38</del> <sup>8</sup>	CL 2
					0° 00'							BS Lm 22 W → N
Δ			00	00		HI		4.78	+4.78	3492.16 <sup>3</sup>		
✓			202		91° 25'	83° 00'	-24.40	4.94	-29.34		<del>3565.01</del> <sup>3</sup> 3463.82	+ BL 2 19 W
✓			22			90° 00'		1.67	-1.67		3491.47	BL 2 21 W
✓		○	322	317		97° 00'	+38.95	6.85	+32.10		<del>3528.61</del> <sup>3</sup> 3525.26	BL 2 24 W

Surveyor Dave Jamall  
 Rodman

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BS	IS	FS	Dist	Horiz Dist	Horiz Angle	Vert Angle	Vert Dist	Rod	D. of Elev	H.I.	RL	Remarks
			298	296	0° 00'	86° 00'	+20.60	5.09	+25.69	3527.95	3527.26	BL 2 24 W
Δ			00			HI		7.29	-4.29		3546.66	BL 2 27 W
	✓		115			96° 00'	+11.90	4.00	+9.90		3558.85	27 W 17 S
	✓		216			96° 00'	+22.45	2.71	+19.74		3570.69	27 W 18 S
	✓		313			96° 00'	+32.50	3.60	+28.90		3579.85	27 W 19 S
	○		410	406	90° 40'	96° 00'	+42.70	10.23	+32.47		3587.42	27 W 20 S
Δ			252	248		83° 00'	+30.48	2.85	+33.30	3617.72		
	✓		152			83° 00'	-18.40	1.11	-25.51		3591.21	27 W 21 S
	✓		53			90° 00'		14.78	-14.78		3601.94	27 W 22 S
	✓		42			90° 00'		4.67	-4.69		3612.03	27 W 23 S
	✓		140			91° 30'	+3.66	1.63	+2.03		3618.75	27 W 24 S
	✓		238			93° 00'	+12.40	5.42	+6.98		3623.70	27 W 25 S
	✓		324			93° 00'	+17.45	7.35	+10.10		3626.82	27 W 26 S
	○		437	430		93° 00'	+22.60	14.68	+8.12		3628.84	27 W 27 S
Δ			100	100		90° 00'		6.27	+6.27	3630.11		
	✓		00			HI		4.12	-4.12		3626.99	BL 3 26 W
	○		42	42		93° 00'	+2.10	3.15	-1.05		3630.06	BL 3 29 W
<div style="border-top: 2px solid red; width: 100%;"></div>												
											3630.26	
											3681.57	BL 3 36 W
Δ			52	52	0° 00'	90° 00'		5.76	+5.76	3687.33		
	✓		00			HI		3.99	+3.99		3683.34	Line 34
	✓		97			90° 00'		12.35	-12.35		3683.34	BL 3 34 W
	✓		195		276° 30'	86° 00'	-13.60	3.39	-16.99		3674.98	34 W 27 S
	○		292'	290	270° 35'	86° 00'	-20.35	4.66	-25.01		3670.34	34 W 26 S
Δ			199	199		91° 00'	-3.48	2.88	-0.60	3661.72		
	✓		101			91° 00'	+1.76	3.15	+1.39		3663.11	34 W 24 S

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BS	IS	FI	Dist	Horiz Dist	Horiz Angle	Vert Angle	Vert Dist	Red	D. of Flw	H.I	RL	Remarks
										3661.72		
✓			4			90° 00'		4.65	-4.65		3657.07	34 23 S
✓			92			88° 30'	-2.40	4.68	-17.08		3644.64	34W 22 S
✓			193			83° 00'	-23.40	5.48	-28.88		3632.84	34W 21 S
○			289	284		83° 00'	-34.95	2.33	-37.28		3624.44	34W 20 S
△			380	377	0° 00'	94° 30'	-29.75	3.75	-26.00	3598.44		
✓			282			95° 00'	+24.45	8.10	+16.35		3614.79	34W 19 S
✓			189			95° 00'	+16.40	6.58	+9.82		3608.26	34W 18 S
✓			92			95° 00'	+8.00	3.52	+4.48		3602.92	34W 17 S
✓			+4			90° 00'		5.38	-5.38		3593.06	Base here 34W 16 S
○			484	482	268° 10'	86° 00'	-33.62	3.96	-37.58		3560.86	Next H.I. BL 2 34W 15
<hr style="border: 2px solid red;"/>											3593.06	
										3591.48	BL 2 34W 16 S	
△			328	327	0° 00'	88° 00'	+11.45	14.29	+25.74	3617.22		+1.58
✓			16			90° 00'		6.26	-6.26		3612.54	BL 2 37 W
✓			00			H.I		4.53	-4.53		3614.27	BL 2 38 W
✓			102			84° 00'	-10.60	6.18	-16.78		3602.02	38W 16 S
✓			192			83° 30'	-21.60	7.79	-29.39		3589.41	38W 15 S
○			295	289	266° 56'	82° 30'	-38.20	5.48	-43.68		3573.54	38 W 14 S
△			302	294		99° 00'	-46.65	9.32	-37.33	3536.21		
✓			202			99° 00'	+31.20	5.38	+25.82		3563.71	38W 13 S
✓			102			99° 00'	+15.75	5.40	+10.35		3548.14	38W 12 S
✓			00			H.I		4.34	-4.35		3533.44	38W 11 S
✓			96			85° 00'	-8.34	14.42	-22.76		3515.03	38 W 10 S
✓			197			80° 00'	-33.65	7.28	-40.93		3496.86	38 W 9 S
○			297	288		80° 00'	-50.80	9.50	-60.30		3475.91	38 W 8 S
△			242			105° 50'	-63.56	6.75	-56.75	3419.16		
✓			132			105° 30'	+33.95	5.01	+28.94		3449.68	38W 7 S

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BS	IS.	CS.	Dist	Horz Dist	Horz Angle	Vert Angle	Vert Diff	Red	P.H. Elev	H.I.	R.L.	Remarks
										2074 <del>3419.16</del>		+ 1.58
	✓		32			97° 00'	+ 4.94	2.88	+ 2.06		3422.80	38 W 6 S
	✓		68			88° 00'	- 2.36	14.21	- 16.57		3404.17	38 W 5 S
	✓		171			79° 30'	- 30.60	7.33	- 37.93		3382.81	38 W 4 S
	○		270	260		79° 00'	- 50.55	6.00	- 56.55		3367.61 4.19	38 W 3 S
△			299	284	0° 00'	102° 00'	- 65.50	4.21	- 61.29	290 <del>3301.22</del>		
	-		200			102° 00'	+ 43.80	3.05	+ 40.75		3343.65	38 W 2 S
	✓		98			102° 00'	+ 21.45	3.05	+ 18.40		3321.30	38 W 1 S
	✓		3			HI		5.58	- 5.58		3297.32	Hub B.L.I. 384
	○		302	299	270° 20'	85° 00'	- 26.25	8.35	- 34.60		3268.37 3269.40	+ 1.1 Top Hub B.L.I. 354
△			504	499	0° 00'	96° 30'	- 56.60	8.20	- 48.40		3219.90	
	✓		00			HI		4.77	- 4.77		3215.13 <del>3213.55</del>	3215.13 (+ 1.58) B.L.I. 30 W
	✓		102			107° 00'	+ 28.80	5.25	+ 23.25		3241.57	30 W 1 S
	✓		210			108° 00'	+ 61.60	7.33	+ 54.27		3272.59	30 W 2 S
	○		315	288		107° 00'	+ 88.00	6.67	+ 81.33		3299.65	30 W 3 S
△			204	197		79° 00'	+ 38.20	13.56	+ 51.76		3351.41	
	✓		102			79° 00'	- 19.10	6.17	- 25.27		3326.14	20 W 4 S
	✓		00			HI		5.10	- 5.10		3346.31	30 W 5 S
	✓		101			102° 00'	+ 20.55	3.28	+ 17.27		3368.68	30 W 6 S
	✓		207			103° 00'	+ 45.40	5.56	+ 39.84		3391.25	30 W 7 S
	○		312	296		103° 00'	+ 68.40	8.26	+ 60.14		3411.55	30 W 8 S
△			408	394		79° 00'	+ 76.50	10.90	+ 87.40		3498.95	
	✓		304			79° 00'	- 56.90	14.05	- 70.95		3428.00	30 W 9 S
	✓		206			79° 00'	- 38.60	12.90	- 51.50		3447.45	30 W 10 S
	✓		105			81° 00'	- 16.20	11.83	- 28.03		3470.92	30 W 11 S
	✓		00			HI		5.61	- 5.61		3493.34	30 W 12 S
	✓		98			99° 00'	+ 15.15	3.56	+ 11.59		3510.54	30 W 13 S
	○		200	194		99° 30'	+ 32.50	7.25	+ 25.25		3524.20	30 W 14 S

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BS	IS	CS	Dist	Horz Dist	Horz Angle	Vert Angle	Vert Dist	Rod	P.H. Elev	H.I.	R.L.	Remarks
											3524.20	30 W 14 S
Δ			287	284		85° 00'	+24.95	14.85	+39.80	3564.00		
			191			85° 00'	-16.60	12.70	-29.30		3534.70	30 W 15 S
			93			87° 00'	-11.23	14.38	-25.61		3538.39	30 W 16 S
			29			90° 00'		3.67	-3.67		3560.24	29 W 30 W BL 2
*	0		172	172		89° 00'	-3.00	13.58	-16.58		3547.42	27 W
Δ			170	169	0° 00'	94° 00'	-11.85	4.91	-6.94	3540.48		
			00			11 I		5.01	-5.01		3535.47	15 S BL 25 W
			146		92° 00'	85° 00'	-12.70	11.10	-13.80		3516.68	26 W 14 S
			260		92° 20'	83° 00'	-31.45	10.79	-31.24		3509.24	26 W 13 S
	0		378	372	92° 20'	82° 40'	-47.80	13.42	-61.22		3479.26	26 W 12 S
Δ			248	233		104° 30'	-60.15	10.09	-50.06	3429.20		
	✓		131			104° 00'	+30.70	2.48	+28.22		3457.42	26 W 11 S
	✓		4			11 I		3.31	-3.31		3425.89	26 W 10 S
	✓		116			80° 00'	-19.80	12.58	-32.38		3396.82	26 W 9 S
	0		224	214		78° 00'	-45.50	6.88	-52.38		3376.82	26 W 8 S
Δ			322	310		101° 00'	-60.25	9.75	-50.50	3326.32		Ch
	✓		219			101° 00'	+41.05	4.11	+37.94		3364.26	26 W 7 S
	✓		111			101° 00'	+20.75	3.78	+16.97		3343.29	26 W 6 S
	✓		4			90° 00'		3.55	-3.55		3322.77	26 W 5 S
	✓		100			81° 00'	-15.45	13.65	-29.10		3297.22	26 W 4 S
	✓		213			77° 00'	-46.70	7.18	-53.88		3272.44	26 W 3 S
	0		324	308		77° 06'	-71.00	12.79	-83.79		3241.53	26 W 2 S
Δ			221	202	0° 00'	107° 00'	-61.75	3.98	-57.77	3184.76		
	✓		105			107° 00'	+29.40	5.28	+24.12		3208.88	26 W 1 S
			00			11 I		4.14	-4.14		3180.62	BL 1 26 W
	0		100	100	269° 50'	90° 00'		12.50	-12.50		3171.64 3172.26	BL 1 25 W

Surveyor D. W. A. all

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Rodman Alfred

Weather Fine Warm

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St	Dist	Horz Dist	Horz Angle	Vert Angle	Vert Dist	Red	D.H. Flag	HI	R.L.	Remarks
									3456.50	BL 2 73 W
Δ	30		0° 00'	103° 00'	-6.70	2.29	-4.41	3452.09		BL 2 73
✓	00			HI		4.00	-4.00		3448.09	BL 2 77 W +
✓	43			102° 00'	+8.75	1.65	+7.10		3459.19	77 W 16 S
✓	148			104° 00'	+34.70	6.81	+27.89		3479.98	77 W 17 S
○	245	22	91° 00'	104° 00'	+57.50	8.78	+48.72		3500.81	77 W 18 S
Δ	200			78° 00'	+40.70	7.65	+48.35	3549.16		
✓	102			78° 00'	-20.70	7.22	-27.92		3521.24	77 W 19 S
-	00			HI		5.18	-5.18		3543.98	77 W 20 S
✓	102			101° 00'	+19.10	2.83	+16.27		3565.43	77 W 21 S
○	204			103° 00'	+44.70	6.01	+38.69		3587.85	77 W 22 S
Δ	317			76° 00'	+74.30	5.12	+79.42	3667.27		
✓	210			76° 00'	-49.40	8.99	-58.30		3608.97	77 W 23 S
✓	111			76° 00'	-26.10	6.99	-33.09		3634.18	77 W 24 S
✓	16			90° 00'		8.20	-8.20		3659.07	77 W 25 S
✓	99			102° 00'	+20.15	3.42	+16.73		3684.00	77 W 26 S
○	199			102° 00'	+40.40	7.62	+32.78		3700.05	77 W 27 S
Δ	151			85° 00'	+13.10	8.39	+22.49	3722.54		
✓	52			90° 00'		9.13	-9.13		3713.41	77 W 28 S
✓	46			90° 00'		1.51	-1.51		3721.93	77 W 29 S
○	146			93° 00'	+7.64	5.21	+2.43		3724.97	77 W 30 S
Δ	58		0° 00'	90° 00'		6.09	+6.09	3731.06		
✓	00			HI		4.99	-4.99		3726.07	BL 3 73 W +
✓	84			96° 00'	+9.15	2.22	+6.93		3737.99	BL 3 72 W
✓	184		75° 00'	97° 00'	+22.25	4.96	+17.29		3748.35	BL 3 71 W
✓	90	274	274° 40'	86° 00'	-6.25	10.79	-17.04		3714.02	BL 3 74 W
✓	200			82° 30'	-25.85	4.99	-30.84		3700.22	BL 3 75 W
○	293			82° 30'	-37.90	8.87	-46.77	DAW	3684.29	BL 3 76 W

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BS	IS	FS	Dist	Horiz Dist	Horiz Angle	Vertical Angle	Vert Diff	Rod	Diff Elev	HI	RL	Remarks
											3684.29	BL 376 W
Δ			229			103° 00'	-50.20	5.58	-44.62	3639.67		
✓			107			103° 00'	+23.45	2.82	+20.63		3660.30	BL 377 W
✓			-1			HI		4.32	-4.32		3635.35	BL 378 W
✓			99			75° 00'	-24.75	3.26	-28.01		3611.66	BL 379 W
✓	○		211			75° 00'	-52.70	4.11	-56.81		3582.86	BL 380 W
Δ			56			104° 00'	-13.15	2.78	-10.37	3572.49		
✓	○		52			70° 00'	-16.70	5.42	-22.12		3550.37	BL 382 W
Δ			117			108° 00'	-34.40	5.81	-28.59	3521.78		
✓			6			90° 00'		1.98	-1.98		3519.80	BL 383 W
✓			99			71° 00'	-30.45	2.75	-33.20		3488.58	BL 384 W
	○		162			71° 30'	-48.75	3.26	-52.01		3469.77	BL 384 W Hub +50
<del>A</del>			<del>201</del>			<del>86° 30'</del>		<del>4.68</del>				
											3748.35	BL 391 W
Δ			201			86° 30'	+15.75	4.68	+20.43	3768.78		
✓			75			87° 00'	-3.92	5.11	-9.03		3759.75	BL 370
✓			10			90° 00'		5.17	-5.17		3763.61	BL 369 + 60
✓			53			90° 00'		2.87	-2.87		3765.91	BL 369 W
✓			152			92° 00'	+5.30	6.06	-0.76		3768.02	BL 369 W
✓	○		252			91° 30'	+6.60	4.35	+2.25		3771.03	BL 367 W
	○		350			92° 00'	+12.20	4.03	+8.11		3776.95	BL 366 W
Δ			205			88° 30'	+5.36	1.56	+6.92	3783.87		
✓			105			87° 00'	-5.49	4.29	-9.78		3774.09	BL 365 W
✓			60			HI		5.00	-5.00		3778.87	BL 364 W
✓			166			92° 00'	+3.70	2.62	+1.08		3784.95	BL 363 W
○			211			93° 00'	+11.05	14.85	-3.80		3780.07	BL 362 W

N.B.:  
 \* 62 Max  
 at 50  
 Rodman  
 Point

DAW

Surveyor DAW Small

D. L. 9th Aug 65

Roachman - Al Fred

Weather

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St	TS	F3	Dist	Horiz Dist	Horiz Angle	Vertical Angle	Vert D.H	Red	D.H Flow	HI	RL	Remarks
					0° 00'						3763.61	BS Line BL3 W BL 3 69+60
Δ			00		0° 00'	HI		5.11	+5.11	3768.72		
✓			125		89° 20'	90° 00'		6.52	-6.52		3762.20	73 W 30 S
✓			223		89° 20'	89° 00'	-3.89	5.32	-9.21		3759.51	73 W 29 S
Δ			201			92° 00'	-7.02	3.35	-3.67	3755.84		
✓			97			92° 00'	+3.38	4.19	-0.81		3755.03	73 W 28 S
✓			00			HI		4.21	-4.21		3751.63	73 W 27 S
✓			101			86° 00'	-7.03	5.79	-12.82		3743.02	73 W 26 S
✓			200			84° 30'	-19.10	6.51	-25.61		3730.23	73 W 25 S
Δ			212			103° 00'	-46.40	8.01	-38.39	3691.84		
✓			110			103° 00'	+24.15	2.55	+21.60		3713.44	73 W 24 S
✓			7			HI		2.56	-2.56		3689.28	73 W 23 S
✓			95			78° 00'	-19.30	8.59	-27.89		3663.95	73 W 22 S
✓			197			76° 00'	-46.20	7.30	-53.50		3638.34	73 W 21 S
✓			299			76° 00'	-10.20	4.50	-74.70		3617.14	73 W 20 S
Δ			200			101° 00'	-37.45	3.19	-34.26	3582.88		
✓			100			101° 00'	+18.70	3.85	+14.85		3597.73	73 W 19 S
✓			00			HI		4.75	-4.75		3578.13	73 W 18 S
✓			98			84° 00'	-10.19	8.62	-18.81		3564.07	73 W 17 S
✓			198			81° 00'	-30.60	13.28	-43.88		3539.00	BL 2 73 W +
Δ			00			HI		4.38	+4.38	3543.38		
✓			28			101° 00'	+5.24	2.32	+2.92		3546.30	BL 2 Hub 73 W
					0° 00'							E.
					91° 10'							S. 73 W

DAW

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BS	IS	FS	Dist	Horiz Dist	Horiz Angle	Vert Angle	Vert Dif	Rod	D.4 Elev	HI	R.L.	Remarks			
			00		0° 00'	HI		2.20		3541.89	3539.69	△ S.11 00			
	✓		96			102° 00'	+19.50	3.35	+16.15		3558.04	S-11   1 S			
	✓		191			102° 00'	+38.80	3.94	+34.86		3576.75	S-11   2 S			
	✓		297			102° 00'	+60.30	5.14	+55.16		3597.05	S-11   3 S			
	✓		389		0	102° 00'	+70.10	4.52	+74.58		3616.47	S-11   4 S			
	✓		105			79° 00'	-19.60	8.88	-28.48		3513.41	S-11   1 N			
	○		204		180° 00'	11° 00'	-44.70	10.42	-55.12		3486.77	S-11   2 W			
					264° 00'							<table style="margin-left: auto; margin-right: 0;"> <tr><td style="border-right: 1px solid black; padding-right: 5px;">60</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">264°</td></tr> <tr><td style="border-right: 1px solid black; padding-right: 5px;">180°</td></tr> </table>	60	264°	180°
60															
264°															
180°															