

Swin Lakes 'A' Group

Gravity Notes

007770

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS	3.5	700	B	+14.0	-10°5'	+18.2 +3.5	+30.7		1.89		1#1 1+00E
CK	—	—	M	+14.2	-10°20'	+16.3	+30.5		2.33		—
	3.0	600	B	-14.2	-1°10'	-12.2	-29.4		2.04		1+00W
	2.5	500	B	-14.9	-1°10'	-10.2 -2.5	-27.5		2.04		2+00W
		400	B	-15.0	-0°44'				1.28		3+00W
	1.5	300	B	-14.9	—	-1.5	-16.4				4+00W
CK	—	—	M	-15.0	-0°16'	-1.4	-16.4		0.47		—
		200	M	-14.9	—						5+00W
		100	M	-7.3	—		-7.3				6+00W
T		0	—	-4.9	—						7+00W
		100	M	-0.8	—						8+00W
		200	T	-3.0	—						9+00W
	1.5	300	T	-2.1	—		-0.6				10+00W
		400	M	-3.1	+0°35'				1.02		11+00W
		500	M	-4.9	+1°00'				1.74		12+00W
		600	M	-8.0	+1°30'				2.62		13+00W
⊙	3.50	700	T	-3.2	+1°30'	+18.2 +3.5	+18.6		2.62		I. P. RE#
CK	—	—	M	-5.9	+2°00'	+24.4	+18.5		3.49		Claim No. 25520
BS		700	M	-2.8	+1°30'		+21.6		2.62		14+00W
BS	1.00	200	B	+15.0	-5°26'	+19.9 +1.0	+34.9		9.43		Iron Pin
CK			M	+15.0	-5°43'	+19.8	+34.8		9.91		—
		100	B	+15.0	-3°36'				6.27		15+00W



	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS	1.5	300	M	+2.0	-5°51'	+30.4	+42.4		10.14		18+00 W
CK		300	B	+2.0	-5°35'	+29.8	+42.5		9.68		
		200	B	-14.5	-4°52'				8.45		19+00 W
		100	M	-15.0	-2°24'				4.18		20+00 W
T		0	-	-4.8	—						21+00 W
		100	T	-1.5	+3°59'	+6.9	+5.9		6.93		22+00 W
CK		100	M	-2.0	+4°34'	+7.9	+5.9		7.94		
		200	M	-3.0	+5°37'				9.74		23+00 W
		300	M	-4.5	+5°37'				9.74		24+00 W
0		400	M	-7.6	+5°38'	+39.1	+31.5		9.77		25+00
CK	2.0	400	T	-8.0	+5°25'	+39.6	+31.6		9.40		25+00
BS	1.5	300	B	+15.0	-2°07'	+12.6	+27.6		3.69		25+00
CK		300	M	+14.8	-2°27'	+12.8	+27.6		4.27		26 —
		200	M	-15.0	-1°27'	-5.1	-20.1		2.53		26+00 W
		100	M	-7.7	—						27+00 W
T		0	-	-4.9	—						28+00 W
	0.50	100	M	-2.5	+2°13'				3.86		29+00 W
		2.2	T	-2.0	+4°27'	+15.9	+13.9		7.74		30+00
		300	M	-2.0	+5°03'				8.77		31+00
0	2.05	410	T	-4.5	+4°53'	+36.8	+32.3		8.48		32+00
CK		410	M	-4.0	+5°06'	+36.1	+32.1		8.85		
0	2.50	500	T	-2.0	+5°14'	+47.9	+45.9		9.08		32+00
CK		500	M	-1.7	+5°29'	+47.6	+45.9		9.51		33+00

1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
										At STN 28+00 line deviates 6° 40' South.
Could be error in surveying up to 33+00 due to not leveling scope.										
BS	495	B	-2.5	10° 16'						33+00W
CK	495	M	-14.0	10° 7'						
	390	M	-12.0	9° 52'						34+00 W
	295	B	-12.0	8° 05'						35+00 W

Omit

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS	2.45	4.90	B	+9.5	-5°08'	+46.1	+55.6		8.91		33+00 W
CK	2.00	3.90	M	+9.5	-5°25'	+46.1	+55.6		9.40		34+00 W
		2.90	M	-11.5	-5°00'	-33.8	-45.3		8.68		35+00 W
		1.90	M	-9.0	-4°45'				8.25		36+00 W
		0.80	M	-12.0	-3°50'				6.67		37+00 W
K		0.20	M	-11.2	— 01'						
		115	M	-4.3	—		-4.3				38+00 W
		215	M	-1.5	+4°15'				7.39		39+00 W
		315	M	-1.5	+5°06'				8.85		40+00 W
			M	-4.0	+5°22'				9.31		41+00 W
⊙		415	M	-3.5	+5°22'	+39.1	+35.6		9.31		42+00 W
CK		415	M	-4.0	+5°26'	+39.6	+35.6		9.43		
<i>Line deviates 0°40' north at 75' past STN 34+00</i>											
<i>Line deviates 1°50' south at STN 38+00 W</i>											

DATE June 27 1949 PROSPECT.....INSTR. J.B.RODMAN R.S.LINE NO. JKPAGE 6

OE

	½ STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
								T.O.	STN	0+00E	Base Line I
BS		710	M	+14.5	-3°16'	+140.4	+54.9	+55.0	5.69		0+00E <sup>1+00' 2+00'</sup> <sub>are in lake</sub>
CK	3.5	710	B	+14.5	-3°00'	+37.1	+55.1		5.23		
		400	M	-15.0	-5°29'	-38.0	-53.0		9.51		JK 3+00
		300	M	-15.0	-5°18'	-27.6	-42.6		9.20		JK 4+00
		200	M	-15.0	-4°31'	-15.7	-30.7		7.85		IE 5+00
		100	M	-14.3	—	—	-14.3				IE 6+00
T		0	—	-4.8	—	—	-4.8				IE 7+00
	0.5	100	T	-1.7	—	—	-1.2				IE 8+00
T		200	M	-3.0	+1°53'	+6.6	+3.6		3.29		IE 9+00
		300	M	-2.0	+1°57'	+10.2	+8.2		3.40		IE 10+00
		400	M	-5.0	+2°04'	+14.4	+9.4		3.60		IE 11+00
		500	M	-9.0	+2°05'	+18.2	+9.2		3.63		IE 12+00
CK	2.5	500	T	-9.0	+1°47'	+15.6	+9.1		3.11		
		600	M	-10.0	+2°05'	+21.9	+11.8		3.63		IE 13+00
CK	3.0		T	-10.0	+1°47'	+18.7	+11.7		3.11		
0		700	M	-10.0	+2°05'	+25.4	+15.4		3.63		IE 14+00
CK	3.5		T	-10.0	+1°47'	+21.8	+15.3	+15.3	3.11		
BS		700	M	+5.0	+2°00"	-24.4	-19.4		3.49		IE 14+00
CK	3.5	700	T	+5.0	+1°43'	-21.0	-19.5	-19.5	3.00		
		600	M	-3.0	+2°04"	+21.6	+18.6		3.60		IE 15+00
		500	M	-2.0	+1°40"	+14.6	+12.6		2.91		IE 16+00
		400	M	-2.0	+1°01"	+7.1	+5.1		1.77		IE 17+00

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		300	M	-4.0	100 11'	+1.0	-3.0		0.32		IE 18+00
		200	M	-2.7	—	—	-2.7				IE 19+00
		100	M	-2.5	—	—	-2.5				IE 20+00
T		0	—	-5.0	—	—	-5.0				IE 21+00
		100	M	-7.0	—	—	-7.0				IE 22+00
		200	M	-12.1	—	—	-12.1				IE 23+00
1.5		300	B	-14.5	—	—	-16.0				IE 24+00
		400	M	-14.5	-0°57'	-5.9	-20.4	1.48			IE 25+00
		500	M	-14.5	-1°12'	-10.4	-24.9	2.09			IE 26+00
		600	M	-14.5	-1°24'	-14.6	-29.1	2.44			IE 27+00
		700	M	-14.5	-1°08'	-13.9	-28.4	1.98			IE 28+00
CK		—	B	-14.5	-0°50'	-13.7	-29.2	1.45			IE 29+00
		800	M	-14.5	-0°52'	-12.1	-26.6	1.51			IE 29+00
0		900	M	-14.5	-0°47'	-12.3	-26.8	1.37			IE 30+00
CK	4.5	900	B	-14.5	-30'	-12.3	-26.8	0.87			IE 30+00
BS		1100	M	+10.4	—	—	+10.4	+10.3			IE 30+00
CK	5.5	—	T	+15.0	0°-2'	-4.8	+10.2		0.06		IE 31+00
		1000	M	-12.3	—	—	-12.3				IE 31+00
4.5		900	B	-14.5	-1°11'	-18.5	-37.5	2.06			IE 32+00
		820	M	-14.5	-1°55'	-27.4	-41.9	3.34			IE 32+88
		500	M	-9.0	-3°38'	-31.6	-40.6	6.32			IE 36+00
		400	M	-14.5	-3°47'	-26.4	-40.9	6.59			IE 37+00 } CREEK
		200	M	-14.5	-6°52'	-23.7	-39.2	11.87			IE 39+00 }
		100	M	-14.5	-3°03'	-5.3	-19.8	5.31			



	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
5.69	BS	710	M	+14.5	-3°16'	+40.4	+54.9			2997.7	T.O. 0+00E 0+00N B#1
						Average	+55.0	3052.7			
5.23	CK	350	B	+14.5	-3°00'	+37.1	+55.1				
											1+00N x 2+00N are in lake
9.51		400	M	-15.0	-5°29'	-38.0	-53.0			2999.7	OE 3+00N
9.20		300	M	-15.0	-5°18'	-27.6	-42.6			3010.1	OE 4+00N
7.85		200	M	-15.0	-4°31'	-15.7	-30.7			3022.0	OE 5+00N
		100	M	-14.3	—	—	-14.3			3038.4	OE 6+00N
	A	0	—	-4.8	—	—	-4.8			3047.9	OE 7+00N
		100	T	-1.7	—	+0.5	-1.2			3051.5	OE 8+00N
3.29		200	M	-3.0	+1°53'	+6.6	+3.6			3056.3	OE 9+00N
3.40		300	M	-2.0	+1°57'	+10.2	+8.2			3060.9	OE 10+00N
3.60		400	M	-5.0	+2°04'	+14.4	+9.4			3062.1	OE 11+00N
3.63		500	M	-9.0	+2°05'	+18.2	+9.2			3061.9	OE 12+00N
3.63		600	M	-10.0	+2°05'	+21.8	+11.8			3064.5	OE 13+00N
3.63	⊙	700	M	-10.0	+2°05'	+25.4	+15.4			—	OE 14+00N
3.11	CK	350	T	-10.0	+1°47'	+21.8	+15.3			3068.0	—

DATE June 27 19 69 PROSPECT 69-104INSTR. S. BomanRODMAN R. SanchezLINE NO. OEPAGE 6

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
3.49	BS	700	M	+5.0	+2°00'	-24.4	-19.4				OE 14+00N
3.00	CK	350	T	+5.0	+1°43'	-21.0	-19.5	3048.5			
3.60		600	M	-3.0	+2°04'	+21.6	+18.6			3067.1	OE 15+00N
2.91		500	M	-2.0	+1°40'	+14.6	+12.6			3061.1	OE 16+00N
1.77		400	M	-2.0	+1°01'	+7.1	+5.1			3053.6	OE 17+00N
0.32		300	M	-4.0	+0°11'	+1.0	-3.0			3045.5	OE 18+00N
		200	M	-2.7	—	—	-2.7			3045.8	OE 19+00N
		100	M	-2.5	—	—	-2.5			3046.0	OE 20+00N
	T	0	—	-5.0	—	—	-5.0			3043.5	OE 21+00N
		100	M	-7.0	—	—	-7.0			3041.5	OE 22+00N
		200	M	-12.1	—	—	-12.1			3036.4	OE 23+00N
	150	300	B	-14.5	—	-1.5	-16.0			3032.5	OE 24+00N
1.48		400	M	-14.5	-0°51'	-5.9	-20.4			3028.1	OE 25+00N
2.09		500	M	-14.5	-1°12'	-10.4	-24.9			3023.6	OE 26+00N
2.44		600	M	-14.5	-1°24'	-14.6	-29.1			3019.4	OE 27+00N
1.98		700	M	-14.5	-1°08'	-13.9	-28.4			3020.1	OE 28+00N
1.51		800	M	-14.5	-0°52'	-12.1	-26.6			3021.9	OE 29+00N
1.37	⊙	900	M	-14.5	-0°47'	-12.3	-26.8			3021.7	OE 30+00N
0.87	CK	450	B	-14.5	-0°30'	-12.3	-26.8				





	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		600	M	+15.0	-1048'	+19.8	+33.9	+33.8	3.14		
CK	3.0	600	B	+15.0	-1031'	+18.9	+33.9		2.65		2+00 W
		500	M	-15.0	-2008'	-18.6	-33.6		3.72		
		400	M	-15.0	-2015'	-15.7	-30.7		3.92		2W 1+00
		300	M	-15.0	-1059'	-10.4	-25.4		3.46		2W 2+00
		200	M	-15.0	-1032'	-5.4	-20.4		2.68		2W 3+00
		100	M	-12.5	—	—	-12.5				2W 4+00
T		0	—	-4.9	—	—	-4.9				2W 5+00
		100	M	-3.3	—	—	-3.3				2W 6+00
		200	M	-2.2	—	—	-2.2				7+00
		295	M	-2.0	+1045'	+3.9	+1.9		1.31		8+00
		395	M	-3.0	+1007'	+7.7	+4.7		1.95		9+00
		500	M	-5.0	+1020'	+11.6	+6.6		2.33		10+00
		600	M	-5.0	+1009'	+12.1	+7.1		2.01		11+00
		695	M	-5.0	+1030'	+18.2	+13.2		2.62		12+00
0		795	M	-2.0	+1026'	+19.9	+17.9		2.50		13+00
CK	4.0		T	-5.0	+1022'	+22.9	+17.9		2.38		14+00
BS		895	M	+4.0	+1040'	-26.0	-22.0		2.91		
CK	4.5		T	+5.0	+126'	-26.9		22.4	2.50		
		795	M	-5.0	+1053'	+26.2	+21.2		3.29		15+00
		700	M	-5.0	+1046'	+21.6	+16.6		3.08		16+00
		600	M	-5.0	+1016'	+13.3	+8.3		2.21		17+00

(Bottom hair)

Refer to resurvey

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		500	M	-5.0	+0°50'	+7.2	+2.2		1.45		2w 18+00
		400	M	-5.0	+1°00'	+7.0	+2.0		1.74		19+00
		300	M	-5.0	+1°15'	+6.5	+1.5		2.18		20+00
		200	M	-5.0	+1°31'	+5.3	+0.3		2.65		21+00
		100	M	-2.2	—		-2.2				22+00
π		0	—	-5.0	—		-5.0				23+00
		100	M	-7.7	←		-7.7				24+00
		200	M	-11.6	—		-11.6				25+00
	1.5	300	B	-14.9	—	-1.5	-16.4				26+00
		400	M	-15.0	-1°42'	-4.9	-19.9		1.22		27+00
		500	M	-15.0	0°50'	-7.2	-22.2		1.45		28+00
		600	M	-15.0	-0°32'	-5.6	-20.6		0.93		29+00
		700	M	-15.0	-0°21'	-4.3	-19.3		0.61		30+00
CK	3.5	—	B	-15.0	-0°04'	-4.3			0.12		—
	4.0	800	B	-15.0	-0°06'	-1.4	-20.4		0.18		31+00
D	4.5	900	B	-15.0	-0°06'	-6.1	-21.1		0.18		32+00
CK		900	M	-14.5	-0°25'	-6.6	-21.1		0.73		—
BS											32+00
CK											—
											3

Refer to re-survey

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	½ STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS	2.25	450	T	+7.0	+15°34'	-116.3	-111.5		25.85		
CK		450	M	+7.0	+15°05'	-118.2	-111.2		26.27		6W 45+00
		340	M	-5.0	+16°42'	+93.6	+88.6		27.52		6W 44+00
		240	M	-5.0	+8°12'	+33.9	+28.9		14.12		6W 43+00
		140	M	-5.0	+6°11'	+15.0	+10.0		10.71		6W 42+00
		40	M	-15.0	-1°44'	-1.2	-16.2		3.02		6W 41+00
π		0	-	-	-	-	-				
		65	M	-14.5	-20°03'	-20.9	-35.4		32.21		6W 40+00
		175	M	-14.5	-22°14'	-61.3	-75.8		35.02		6W 39+00
		275	M	-14.5	-19°16'	-85.7	-100.2		31.15		6W 38+00
		380	M	-14.5	-16°16'	-102.1	-116.6		26.89		6W 37+00
CK	1.9	380	B	-14.5	-15°59'	-100.6	-117.0		26.47		
		480	M	-14.0	-14°16'	-114.6	-128.6		23.88		6W 36+00
		575	M	-5.0	-11°33'	-112.8	-117.8		19.62		35+00
		660	M	-10.0	-7°28'	-85.0	-95.0		12.88		34+00
⊙		760	M	-14.5	-5°22'	-70.8	-85.3	-85.2	9.31		33+00
CK	3.8		B	-14.0	-5°06'	-67.3	-85.6		8.85		
BS		500	M	+9.1	—		+9.1				33+00
CK		500	M	+9.0	—		+9.0				
CK		500	M	+12.0	+0°20'	-2.9	+9.1		0.58		32+00
		400	M	-5.4	—		-5.4				32+00
		300	M	-5.0	—		-5.0				31+00
		200	M	-3.3	—		-3.3				30+00
CK		100	M	-2.7	—		-2.7				29+00

Steep  
fillside.

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
T		0	-	-4.8	—		-4.8				28+00
		100	M	-11.8	—		-11.8				27+00
		200	M	-7.8	—		-7.8				26+00
		295	M	-4.5	—		-4.5				25+00
	2.0	395	T	-2.2	—		-0.2				24+00
		500	M	-5.0	+0°54'	+7.8	+2.8		1.57		23+00
0		595	M	-5.0	+1°03'	+10.9	+5.9		1.83		22+00
CK	3.0	—	T	-2.0	+0°28'	+4.8	+5.8	+5.8	0.81		—
B	4.00	800	B	+14.5	-0°19'	+4.4	+22.9		0.55		22+00
CK		70	M	+14.5	-0°36'	+8.4	+22.9		1.05		—
		700	m	-14.5	-0°33'	-6.7	-21.2		0.96		21+00
		600	M	-14.5	-0°31'	-5.4	-19.9		0.90		20+00
	2.5	500	B	-14.7	—		-17.2				19+00
		400	M	-12.8	—		-12.8				18+00
		300	M	-11.2	—		-11.2				17+00
		200	M	-11.2	—		-11.2				16+00
		100	M	-6.8	—		-6.8				15+00
T		0	-	-4.6	—		-4.6				14+00
		100	M	-7.5	—		-7.5				13+00
		200	M	-13.9	—		-13.9				12+00
		300	M	-14.5	-0°59'	-5.2	-19.7		1.72		11+00
		400	M	-14.5	-0°31'	-3.6	-18.1		0.90		10+00
		500	M	-14.5	-0°30'	-4.4	-18.9		0.87		9+00



	½ STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		1400	M	+5.0	+2°46'	-67.5	-62.5		4.82		10W 0+00
CK	-7.0	—	T	+5.0	+2°29'	-67.6	-62.6		4.33		—
		1300	M	-5.0	+1°46'	+40.0	+35.0		3.08		1+00
		1215	M	-5.0	+1°40'	+14.1	+9.1		1.16		2+00
		1110	M	-13.0	—	—	-13.0				3+00
500		1000	B	-14.7	—	-5.0	-19.7				4+00
		915	M	-14.5	0°28'	-7.4	-21.9		0.81		5+00
		810	M	-14.5	-0°49'	-11.5	-26.0		1.42		6+00
		710	M	-14.5	-0°53'	-10.9	-25.4		1.54		7+00
		610	M	-14.5	-1°00'	-10.6	-25.1		1.74		8+00
		505	M	-14.0	-1°08'	-10.0	-24.0		1.98		9+00
		400	M	-14.5	-1°18'	-9.1	-23.6		2.27		10+00
		300	M	-14.0	-0°55'	-4.8	-18.8		1.60		11+00
		200	M	-12.8	—	—	-12.8				12+00
		100	M	-7.4	—	—	-7.4				13+00
π		0	—	-4.6	—	—	-4.6				14+00
		100	M	-2.9	—	—	-2.9				15+00
		200	M	-2.2	—	—	-2.2				16+00
	1.5	300	T	-3.4	—	+1.5	-1.9				17+00
	2.0	400	T	-6.0	—	+2.0	-4.0				18+00
	2.5	500	T	-6.4	—	+2.5	-3.9				19+00
	3.0	600	T	-8.5	—	+3.0	-5.5				20+00
⊙	3.5	700	T	-10.95	—	+3.5	-7.5				21+00
CK		700	M	-9.0	+0°17'	+1.4	-7.6		0.20		—

	½ STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		705	M	+5.0	+10°12'	-14.7	-9.7		2.09		21+00
CK	3.5	705	T	+3.0	+0°46'	-12.8	-9.8		1.34		—
		605	M	-5.0	+1°00'	+10.5	+5.5		1.74		22+00
		505	M	-7.0	+0°58'	+8.5	+1.5		1.69		23+00
		400	M	-7.0	+0°49'	+5.7	-1.3		1.42		24+00
		300	M	-14.5	+1°08'	+5.9	-8.6		1.98		25+00
		200	M	-11.0	+0°47'	+2.7	-8.3		1.37		26+00
		100	M	-5.0	+1°57'	+3.4	-1.6		3.40		27+00
π		0	-	-5.1	—	—	-5.1				28+00
		100	M	-14.5	-2°01'	—	—		3.52		29+00
0		200	M	74.5	-9°16'	-31.8	-46.3		15.89		30+00
CK	1.0	—	B	-14.5	-8°59'	-30.8	-46.3		15.42		—
BS	2.5		B	+13.6	—	+2.5	+16.1	+16.0			30+60
CK		500	M	+14.5	+0°10'	+1.4	+15.9		0.29		—
		400	M	-14.5	-3°30'	-24.3	-38.8		6.09		31+00 creek
		300	M	-14.5	-4°18'	-22.4	-36.9		7.78		32+00
		200	M	-14.5	-10°41'	-5.9	-20.4		2.94		33+00 Rock outcrop
		100	M	-14.5	-1°46'	-3.1	-17.6		3.08		34+00
π		0	-	-4.9	—	—	-4.9				35+00
		100	M	-5.0	+11°10'	+19.0	+14.0		19.00		36+00
		205	M	-5.0	+16°52'	+56.9	+51.9		27.77		37+00
		325	M	-4.0	+21°30'	+110.8	+106.8		34.10		38+00
		435	M	-6.0	+22°47'	+155.3	+149.3		35.70		39+00
CK	2.2	—	B	-5.0	+22°55'	+156.0	+148.8		35.87		—

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	½ STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
0		590	M	-11.0	$+23^{\circ}10'$	+213.4	+202.1	+202.2	36.17		
CK	3.0		B	-6.0	$+22^{\circ}51'$	+211.1	+202.1		35.78		
35		160	M	+14.5	$-7^{\circ}54'$	+21.8	+36.3		13.61		
CK	0.9		B	+14.5	$-7^{\circ}35'$	+20.9	+36.2		13.09		
CK	0.8		B	+14.5	$-7^{\circ}39'$	+21.1	+36.4		13.20		
		105	M	-14.5	$-10^{\circ}22'$	-18.6	-33.1		17.70		40+00
A		0	-	-5.2			-5.2				41+00
		100	M	-7.0	$+8^{\circ}41'$	+14.9	+7.9		14.92		42+00
		200	M	-5.0	$+9^{\circ}28'$	+32.4	+27.4		16.22		43+00
		310	M	-10.5	$+9^{\circ}23'$	+49.9	+39.4		16.09		44+00
CK		—	M	-9.0	$+9^{\circ}05'$	+48.3	+39.3		15.59		<del>45+00</del>
0		390	M	-14.5	$+8^{\circ}39'$	+58.0	+43.5		14.87		45+00
CK	2.0	—	T	-15.0	$+8^{\circ}26'$	+56.6	+43.6		14.51		

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		890	m	+5.0	+10°27'	-158.8	-153.8		17.84		45+00
CK	450		T	+4.0	+10°10'	-154.6	-155.1		17.37		
		775	m	-6.0	+10°40'	+141.0	+135.0		18.19		44+00
		670	M	-5.0	+10°12'	+116.8	+111.8		17.43		43+00
		570	M	-5.0	+8°43'	+85.4	+80.4		14.98		42+00
		460	m	-5.0	+6°11'	+49.3	+44.3		10.71		41+00
		360	M	-4.5	+5°45'	+71.9	+57.4		9.97		40+00
		260	M	-18.5	+5°15'	+23.7	+5.2		9.11		39+00
		160	M	-14.5	+5°26'	+15.1	+0.6		9.43		38+00
		60	M	-5.0	+8°12'	+8.5	+3.5		14.12		37+00
X		0	-	-	-	-	-				
		40	M	-4.5	-20°23'	-1.7	-16.2		4.16		36+00
		140	M	-4.5	-10°30'	-27.9	-42.4		17.92		35+00
		240	M	-21.8	-15°48'	-62.9	-84.1		26.20		34+00
		350	M	-24.0	-15°26'	-89.8	-113.8		25.65		33+00
		460	M	-14.5	-14°45'	-113.2	-127.7		24.62		32+00
		550	M	-14.5	-13°50'	-127.7	-142.2		23.22		31+00
		650	M	-14.5	-11°01'	-121.9	-136.4		18.76		30+00
CK	3.25		B	-10.0	-11°08'	-126.4	-136.4		18.95		
		760	M	-14.5	-9°40'	-125.8	-111.3		16.55		29+00
		850	M	-14.5	-6°27'	-94.9	-109.4		11.16		28+00
		940	M	-14.5	-4°54'	-80.0	-94.5		8.51		27+00
O		1040	M	-14.5	-3°52'	-70.0	-84.5		6.73		26+00
CK	5.2		B	-14.0	-3°36'	-70.4	-84.4	-84.4	6.27		

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
										3001.3	T.O. 2+00W 0+00N <u>#1</u>
3.14	BS	600	M	+15.0	-1°48'	+18.8	+33.8	3035.1			
2.65	CK	300	B	+15.0	-1°31'	+18.9	+33.9				
3.72		500	M	-15.0	-2°08'	-18.6	-33.6			3001.5	2W 1+00N
3.92		400	M	-15.0	-2°15'	-15.7	-30.7			3004.4	2W 2+00N
3.46		300	M	-15.0	-1°59'	-10.4	-25.4			3009.7	2W 3+00N
2.68		200	M	-15.0	-1°32'	-5.4	-20.4			3014.7	2W 4+00N
		100	M	-12.5	—	—	-12.5			3022.6	2W 5+00N
	π	0	—	-4.9	—	—	-4.9			3030.2	2W 6+00N
		100	M	-3.3	—	—	-3.3			3031.8	2W 7+00N
		200	M	-2.2	—	—	-2.2			3032.9	2W 8+00N
1.31		295	M	-2.0	+0°45'	+3.9	+1.9			3037.0	2W 9+00N
1.95		395	M	-3.0	+1°07'	+7.7	+4.7			3039.8	2W 10+00N
2.33		500	M	-5.0	+1°20'	+11.6	+6.6			3041.7	2W 11+00N
2.01		600	M	-5.0	+1°09'	+12.1	+7.1			3042.2	2W 12+00N
2.62		695	M	-5.0	+1°30'	+18.2	+13.2			3048.3	2W 13+00N
2.50	0	795	M	-2.0	+1°26'	+19.9	+17.9			3053.0	2W 14+00N
2.38	CK	400	T	-5.0	+1°22'	+22.9	+17.9				

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
2.97	BS	895	M	+4.0	+1°42'	-26.6	-22.6				2W 14+00N
						Average	-22.5	3030.5			—————
2.56	CK	450	T	+5.0	+1°28'	-22.9	-22.4				—————
3.29		795	M	-5.0	+1°53'	+26.2	+21.2			3051.7	2W 15+00N
3.08		700	M	-5.0	+1°46'	+21.6	+16.6			3047.1	2W 16+00N
2.21		600	M	-5.0	+1°16'	+13.3	+8.3			3038.8	2W 17+00N
1.45		500	M	-5.0	+0°50'	+7.2	+2.2			3032.7	2W 18+00N
1.74		400	M	-5.0	+1°00'	+7.0	+2.0			3032.5	2W 19+00N
2.18		300	M	-5.0	+1°15'	+6.5	+1.5			3032.0	2W 20+00N
2.65		200	M	-5.0	+1°31'	+5.3	+0.3			3030.8	2W 21+00N
		100	M	-2.2	—	—	-2.2			3028.3	2W 22+00N
	π	0	—	-5.0	—	—	-5.0			3025.5	2W 23+00N
		100	M	-7.7	—	—	-7.7			3022.8	2W 24+00N
		200	M	-11.6	—	—	-11.6			3018.9	2W 25+00N
		150	B	-14.9	—	-1.5	-16.4			3014.1	2W 26+00N
1.22		400	M	-15.0	-0°42'	-4.9	-19.9			3010.6	2W 27+00N
1.45		500	M	-15.0	-0°50'	-7.2	-22.2			3008.3	2W 28+00N
0.93		600	M	-15.0	-0°32'	-5.6	-20.6			3009.9	2W 29+00N
0.58		697	M	-15.0	-0°20'	-4.0	-19.0			3011.5	2W 30+00N
0.09	CK	350	B	-15.1	-0°03'	-0.6	-19.1			3011.4	—————
0.18		400	B	-15.0	-0°06'	-1.4	-20.4			3010.1	2W 31+00N
0.73	⊙	900	M	-14.5	-0°25'	-6.6	-21.1			3009.4	2W 32+00N
0.18	CK	450	B	-15.0	-0°06'	-6.1	-21.1				—————



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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H. I.	AZIMUTH.	ELEV.	STATION
										3172.5	T.O. 6W 45+00N
26.27	BS	440	M	+7.0	+15°51'	-115.6	-108.6				
						Average	-108.8	3063.7			
25.85	CK	220	T	+7.0	+15°34'	-113.7	-108.9				
27.52		340	M	-5.0	+16°42'	+93.6	+88.6			3152.3	6W 44+00N
14.12		240	M	-5.0	+8°12'	+33.9	+28.9			3092.6	6W 43+00N
10.71		140	M	-5.0	+6°11'	+15.0	+10.0			3073.7	6W 42+00N
3.02		40	M	-15.0	-1°44'	-1.2	-16.2			3047.5	6W 41+00N
	T	0	-	-	-	-	-				
32.21		65	M	-14.5	-20°03'	-20.9	-35.4			3028.3	6W 40+00N
35.02		175	M	-14.5	-22°14'	-61.3	-75.8			2987.9	6W 39+00N
31.15		275	M	-14.5	-19°16'	-85.7	-100.2			2963.5	6W 38+00N
26.89		380	M	-14.5	-16°16'	-102.1	-116.6			2947.1	6W 37+00N
23.88		480	M	-14.0	-14°16'	-114.6	-128.6			2935.1	6W 36+00N
19.62		575	M	-5.0	-11°33'	-112.8	-117.8			2945.9	6W 35+00N
12.88		660	M	-10.0	-7°28'	-85.0	-95.0			2968.7	6W 34+00N
9.31	O	760	M	-14.5	-5°22'	-70.8	-85.3				6W 33+00N
						Average	-85.2			2978.5	
8.85	CK	380	B	-14.0	-5°06'	-67.3	-85.1				



	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
1.05	BS	800	M	+14.5	-0°36'	+8.4	+22.9	3015.9			6W 22+00N
0.55	CK	400	B	+14.5	-0°19'	+8.4	+22.9				
0.96		700	M	-14.5	-0°33'	-6.7	-21.2			2994.7	6W 21+00N
0.90		600	M	-14.5	-0°31'	-5.4	-19.9			2996.0	6W 20+00N
	250	500	B	-14.7	—	-2.5	-17.2			2998.7	6W 19+00N
		400	M	-12.8	—	—	-12.8			3003.9	6W 18+00N
		300	M	-11.2	—	—	-11.2			3004.9	6W 17+00N
		200	M	-11.2	—	—	-11.2			3004.7	6W 16+00N
		100	M	-6.8	—	—	-6.8			3009.1	6W 15+00N
	T	0	—	-4.6	—	—	-4.6			3011.1	6W 14+00N
		100	M	-7.5	—	—	-7.5			3008.4	6W 13+00N
		200	M	-13.9	—	—	-13.9			3002.0	6W 12+00N
1.72		300	M	-14.5	-0°59'	-5.2	-19.7			2996.2	6W 11+00N
0.90		400	M	-14.5	-0°31'	-3.6	-18.1			2992.8	6W 10+00N
0.87		500	M	-14.5	-0°30'	-4.4	-18.9			2997.0	6W 9+00N
0.73		600	M	-14.5	-0°25'	-4.4	-18.9			2997.0	6W 8+00N
0.73		700	M	-14.5	-0°25'	-5.1	-19.6			2996.3	6W 7+00N
	400	800	B	-13.5	—	-4.0	-17.5			2998.4	6W 6+00N
		900	M	-10.6	—	—	-10.6			3005.3	6W 5+00N
		1000	M	-11.7	—	—	-11.7			3004.2	6W 4+00N
		1100	M	-7.5	—	—	-7.5			3008.4	6W 3+00N
		1200	M	-3.0	—	—	-3.0			3012.9	6W 2+00N
		1300	M	-5.5	—	—	-5.5			3010.4	6W 1+00N
	⊙	700	T	-1.6	—	+7.0	+5.4				6+00W 0+00N
						Average	+5.5			3021.4	TIE TO T#1
CK		1400	m	-1.0	+0°16'	+6.6	+5.6				

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
4.82	BS	1400	M	+5.0	+2°46'	-67.5	-62.5	2965.8		3028.3	T.O. 10+00W 0+00N B #1
4.33	CK	700	T	+5.0	+2°29'	-67.6	-62.6				
3.08		1300	M	-5.0	+1°46'	+40.0	+35.0			3000.8	10W 1+00N
1.16		1215	M	-5.0	+0°40'	+14.1	+9.1			2974.9	10W 2+00N
		1110	M	-13.0	—	—	-13.0			2952.8	10W 3+00N
		1000	B	-14.7	—	-5.0	-19.7			2946.1	10W 4+00N
0.81		915	M	-14.5	-0°28'	-7.4	-21.9			2943.9	10W 5+00N
1.42		810	M	-14.5	-0°49'	-11.5	-26.0			2939.8	10W 6+00N
1.54		710	M	-14.5	-0°53'	-10.9	-25.4			2940.4	10W 7+00N
1.74		610	M	-14.5	-1°00'	-10.6	-25.1			2940.7	10W 8+00N
1.98		505	M	-14.0	-1°08'	-10.0	-24.0			2941.8	10W 9+00N
2.27		400	M	-14.5	-1°18'	-9.1	-23.6			2942.2	10W 10+00N
1.60		300	M	-14.0	-0°55'	-4.8	-18.8			2947.0	10W 11+00N
		200	M	-12.8	—	—	-12.8			2953.0	10W 12+00N
		100	M	-7.4	—	—	-7.4			2958.4	10W 13+00N
	T	0	—	-4.6	—	—	-4.6			2961.2	10W 14+00N
		100	M	-2.9	—	—	-2.9			2962.9	10W 15+00N
		200	M	-2.2	—	—	-2.2			2963.6	10W 16+00N
		150	300	T	-3.4	—	+1.5	-1.9		2963.9	10W 17+00N
		200	400	T	-6.0	—	+2.0	-4.0		2961.8	10W 18+00N
		250	500	T	-6.4	—	+2.5	-3.9		2961.9	10W 19+00N
		300	600	T	-8.5	—	+3.0	-5.5		2960.3	10W 20+00N
	⊙	350	700	T	-10.95	—	+3.5	-7.5		2958.3	10W 21+00N
0.20	CK	—	M	-9.0	+0°07'	+1.4	-7.6				



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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
0.29	BS	500	M	+14.5	-0°10'	+1.4	+15.9				10W 30+00N
						Average	+16.0	2918.3			
6.09	CK	250	B	+13.6	—	+2.5	+16.1				
7.48		400	M	-14.5	-3°30'	-24.3	-38.8			2879.5	10W 31+00N
2.94		300	M	-14.5	-4°18'	-22.4	-36.9			2881.4	10W 32+00N
3.08		200	M	-14.5	-1°41'	-5.9	-20.4			2897.9	10W 33+00N
		100	M	-14.5	-1°46'	-3.1	-17.6			2900.7	10W 34+00N
	T	0	—	-4.9	—	—	-4.9			2913.4	10W 35+00N
19.00		100	M	-5.0	+11°10'	+19.0	+14.0			2932.0	10W 36+00N
27.77		205	M	-5.0	+16°52'	+56.9	+51.9			2970.2	10W 37+00N
34.10		325	M	-4.0	+21°30'	+110.8	+106.8			3025.1	10W 38+00N
35.70		435	M	-6.0	+22°47'	+155.3	+149.3			3067.6	10W 39+00N
36.17	○	490	M	-11.0	+23°10'	+177.2	+166.2				
						Average	+166.2			3084.5	
35.78	CK	300	B	-6.0	+22°51'	+175.3	+166.3				
13.61	BS	160	M	+14.5	-7°54'	+21.8	+36.3	3120.8			
13.20	CK	80	B	+14.5	-7°39'	+21.1	+36.4				
17.70		105	M	-14.5	-10°22'	-18.6	-33.1			3087.7	10W 40+00N
	T	0	—	-5.2	—	—	-5.2			3115.6	10W 41+00N
14.92		100	M	-7.0	+8°41'	+14.9	+7.9			3128.7	10W 42+00N
16.22		200	M	-5.0	+9°58'	+34.1	+29.1			3149.9	10W 43+00N
16.09		310	M	-10.5	+9°23'	+49.9	+39.4			3160.2	10W 44+00N
14.87		410	M	-14.5	+8°39'	+59.5	+45.0			3165.8	10W 45+00N
14.51	PK	200	T	-15.0	+8°26'	+60.1	+45.1				

END OF LINE 10W

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
17.84	BS	890	M	+5.0	+10°27'	-158.8	-153.8	2998.5		3152.3	T.O. 14W 45+00N
17.37	CK	450	T	+4.0	+10°10'	-154.6	-155.1				
18.19		775	m	-6.0	+10°40'	+141.0	+135.0			3133.5	14W 44+00N
17.43		670	M	-5.0	+10°12'	+116.8	+111.8			3110.3	14W 43+00N
14.98		570	M	-5.0	+8°43'	+85.4	+80.4			3078.9	14W 42+00N
10.71		460	M	-5.0	+6°11'	+49.3	+44.3			3042.8	14W 41+00N
9.97		360	M	-14.5	+5°45'	+71.9	+21.4			3019.9	14W 40+00N
9.11		260	M	-18.5	+5°15'	+23.7	+5.2			3003.7	14W 39+00N
9.43		160	M	-14.5	+5°26'	+15.1	+0.6			2999.1	14W 38+00N
14.12		60	M	-5.0	+8°12'	+8.5	+3.5			3002.0	14W 37+00N
	π	0	—	—	—	—	—				
4.16		40	M	-14.5	-2°23'	-1.7	-16.2			2982.3	14W 36+00N
17.92		140	m	-14.5	-9°30'	-22.8	-37.3			2961.2	14W 35+00N
26.20		240	m	-21.2	-15°48'	-62.9	-84.1			2914.4	14W 34+00N
25.65		350	m	-24.0	-15°26'	-89.8	-113.8			2884.7	14W 33+00N
24.62		460	m	-14.5	-14°45'	-113.2	-127.7			2870.8	14W 32+00N
23.22		550	M	-14.5	-13°50'	-127.7	-142.2			2856.3	14W 31+00N
18.76		650	M	-14.5	-11°01'	-121.9	-136.4			2862.1	14W 30+00N
16.55		750	M	-14.5	-9°40'	-124.7	-138.6			2859.9	14W 29+00N
11.16		850	M	-14.5	-6°27'	-94.9	-109.4			2889.1	14W 28+00N
8.51		940	M	-14.5	-4°54'	-80.0	-94.5			2904.0	14W 27+00N
6.73	⊙	1040	M	-14.5	-3°52'	-70.0	-84.5				14W 26+00N
6.27	CK	520	B	-14.0	-3°36'	-70.4	-84.4			2914.1	

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
0.64	BS	800	M	+14.5	-0°22'	+5.1	+19.6	2933.7			14W 26+00N
0.32	CK	400	B	+13.0	-0°11'	+6.6	+19.6				
0.87		700	M	-14.5	-0°30'	-6.1	-20.6			2913.1	14W 25+00N
1.34		600	M	-14.5	-0°46'	-8.0	-22.5			2911.2	14W 24+00N
1.54		500	M	-14.5	-0°53'	-7.7	-22.2			2911.5	14W 23+00N
		400	B	-13.8	—	-2.0	-15.8			2917.9	14W 22+00N
		300	M	-10.8	—	—	-10.8			2922.9	14W 21+00N
		200	M	-6.8	—	—	-6.8			2926.9	14W 20+00N
		100	M	-3.3	—	—	-3.3			2930.4	14W 19+00N
	T	0	-	-4.6	—	—	-4.6			2929.1	14W 18+00N
		100	M	-9.7	—	—	-9.7			2924.0	14W 17+00N
		200	M	-12.6	—	—	-12.6			2921.0	-0.1 14W 16+00N
1.16		300	M	-14.5	-0°40'	-3.5	-18.0			2915.5	-0.2 14W 15+00N
3.11	0	400	M	-14.5	-1°47'	-12.4	-26.9			2907.1	-0.3 14W 14+00N
2.50	CK	200	B	-15.0	-1°26'	-12.0	-27.0				

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
7.79	BS	600	M	+5.0	44°29'	-46.7	-41.7	2865.4			14W 14+00N
7.13	CK	300	T	+4.0	44°06'	-45.8	-41.8				
7.68		500	M	-5.0	44°25'	+38.4	+33.4			2898.8	14W 13+00N
7.36		400	M	-5.0	44°44'	+29.4	+24.4			2889.8	14W 12+00N
4.85		300	M	-5.0	2°47'	+14.6	+9.6			2875.0	14W 11+00N
		200	M	-1.4	—	—	-1.4			2864.0	14W 10+00N
		100	M	-4.4	—	—	-4.4			2861.0	14W 9+00N
		0	—	-4.7	—	—	-4.7			2860.7	14W 8+00N
4.44		100	M	-5.0	2°33'	+4.4	-0.6			2864.8	14W 7+00N
8.02		200	M	-5.0	4°37'	+16.0	+11.0			2876.4	14W 6+00N
12.07		300	M	-5.0	6°59'	+36.2	+31.2			2896.6	14W 5+00N
16.22		405	M	-5.0	9°28'	+65.7	+60.7			2926.1	14W 4+00N
18.51		505	M	-5.0	10°52'	+93.5	+88.5			2953.9	14W 3+00N
20.02		615	M	-5.0	11°48'	+123.1	+118.1			2983.5	14W 2+00N
21.81		715	M	-5.0	12°56'	+155.9	+150.9			3016.3	14W 1+00N
22.80	⊙	820	M	-5.0	13°34'	+187.0	+182.0			<del>3047.8</del>	14+00W 0+00N
							+182.4			3047.8	TIE TO TB #1
22.02	CK	410	T	-2.0	13°04'	+184.7	+182.7				

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS	400	800	M	+14.5	0°22'	+5.1	+19.6		0.64		26+00
CK			B	+13.0	-0°11'	+6.6	+19.6		0.32		—
	350		M	-14.5	-0°30'	-3.0	-17.5		0.97		25+00
		600	M	-14.5	-0°46'	-8.0	-22.5		1.34		24+00
		500	M	-14.5	-0°53'	-7.7	-22.2		1.54		23+00
		400	B	-13.8	—	-2.0	-15.8				22+00
		300	M	-10.8	—		-10.8				21+00
		200	M	-6.8	—		-6.8				20+00
		100	M	-3.3	—		-3.3				19+00
T		0	—	-4.6	—		-4.6				18+00
		100	M	-9.7	—		-9.7				17+00
		200	M	-12.6	—		-12.6			+0.1	16+00
		300	M	-14.5	-0°45'	-3.5	-18.0		1.16	+0.2	15+00
0		400	M	-14.5	-1°47'	-12.4	-26.9	-26.9	3.11	+0.3	14+00
CK	2.00	—	B	-15.0	-1°26'	-5.8	-27.0		2.50		—
BS		600	M	+5.0	+4°29'	-46.7	-41.7	-46.7	7.79		14+00
CK	3.00		T	+4.0	+4°06'	-45.8	-41.8		7.13		—
		500	M	-5.0	+1°25'	+38.4	+33.4		7.68		13+00
		400	M	-5.0	+1°11'	+29.4	+24.4		7.36		12+00
		300	M	-5.0	+2°47'	+14.6	+9.6		4.85		11+00
		200	M	-1.4	—		-1.4				10+00
		—	M	-4.4	—		-4.4				9+00
T		0	—	-4.7	—		-4.7				8+00





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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		420	M	+5.0	+18°03'	-125.71	-120.74		29.93		18W 0+00N
CK	2.10		T	+4.0	+17°57'	-125.20	-121.2		29.32		
CK	2.10		T	+3.5	+17°53'	-124.9	-121.4		29.23		
T		0	-	4'2"							
			Change in elevation					between	6+00	+ 7+00	= approx. 10'
Q		420	M	-14.1	-15°14'	-106.5	-120.6		25.35		18+00
CK	2.1		B	-14.5	-14°52'	-106.3	-120.8		24.80		
BS		1110	M	+4.5	-0°30'	+9.71	+24.2		0.87		8+00
CK	555		B	+14.0	-0°14'	+4.61	+24.2		0.11		
		1010	M	-14.5	-1°25'	-24.9	-39.4		2.47		9+00
		910	M	-14.5	-2°18'	-36.5	-51.0		1.01		10+00
		810	M	-14.5	-3°12'	-45.2	-59.7		5.58		11+00
		710	M	-14.5	-3°58'	-49.0	-63.5		6.90		12+00
		610	M	-14.5	-4°22'	-46.3	-60.8		7.59		13+00
		510	M	-14.5	-4°06'	-36.4	-50.9		7.13		14+00
		400	M	-14.5	-3°46'	-26.2	-40.7		6.56		15+00
		300	M	-14.5	-3°21'	-17.5	-32.0		5.83		16+00
		200	M	-14.5	-2°28'	-8.6	-23.1		4.30		17+00
		100	M	-13.4			-13.4				18+00
T		D	-	-4.9			-4.9				19+00

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14.2  
5.5  
2.7  
8.74.3  
2.7  
7.613.6  
10.5  
3.10

	½ STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		100	M	-6.6	—		-6.6				20+00
		200	M	-9.1	—		-9.1				21+00
		320	M	-2.7	—		-2.7				22+00
		400	M	-1.7	—		-1.7				23+00
	250	500	T	-2.3	—	+2.5	+0.2				24+00
	300	600	T	-0.9	—	+3.0	+2.1				25+00
		700	M	-5.0	+1°04'	+13.0	+8.0		1.86		26+00
		810	M	-5.0	+2°00'	+28.3	+23.3		3.49		27+00
	D	870	M	-1.0	+2°49'	+42.7	+41.7		4.91		28+00
	CK 4.35	—	B	-0.5	+3°05'	+42.3	+41.8		5.37		29+00
	BS	680	M	15.0	-5°42'	+67.2	+72.2		9.88		30+00
	CK 340	—	B	+10.0	-5°00'	+62.4	+72.4		8.68		31+00
		650	M	-5.0	-7°04'	-79.4	-84.4		12.21		28+00
		560	M	-5.0	-11°22'	-108.2	-113.2		19.32		29+00
		480	M	-14.5	-16°10'	-128.4	-142.9		26.74		30+00
		390	M	-14.5	-20°20'	-127.1	-141.6		32.58		31+00
		310	M	-14.5	-28°02'	-128.6	-143.1		41.48		32+00
		195	M	-14.5	-27°53'	-80.6	-95.1		41.34		33+00
		70	M	-14.5	-24°45'	-26.2	-40.7		37.45		34+00
	π	0	—	4' 9"	—	—	—		—		35+00
		30	M	-14.5	-6°36'	-3.4	-17.9		11.42		35+00
		135	M	-14.5	-9°13'	-21.3	-35.8		15.81		36+00
		235	M	-14.5	-4°09'	-17.0	-31.5		7.22		37+00

Creek bottom

" "

Creek



15.1  
9.4  
5.7

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		340	M	45.0	+5°12'	-30.7	-25.7		9.03		22W 15+00
CK	1.7	—	T	4.0	+4°45'	-28.0	-25.7		8.25		—
		240	M	5.0	+3°56'	+16.4	+11.4		6.85		44+00
		140	M	9.2	—	—	-9.2		17.29		43+00
		0.45	M	14.5	-10°07'	-7.8	-22.3		17.29		42+00
T		—	—	—	—	—	—		—		—
		.55	M	14.5	-13°27'	-12.4	-26.9		22.62		44+00
		155	M	14.5	-8°52'	-23.8	-38.3		15.34		40+00
		260	M	14.5	-8°01'	-35.9	-50.4		13.81		39+00
		360	M	14.5	-9°06'	-56.0	-70.5		15.62		38+00
		460	M	14.5	-10°14'	-80.4	-94.9		17.48		37+00
0		570	M	10.0	-10°44'	-104.3	-114.3	-114.5	18.30		36+00
CK	2.8	—	B	14.5	-9°59'	-97.4	-114.7		17.08		—
BS		890	M	15.0	+4°30'	-67.6	-64.6		7.82		36+00
CK	4.4	—	T	1.0	+3°57'	-61.2	-64.6		6.88		—
		800	M	5.0	+1°37'	+22.6	-17.6		2.82		35+00
		700	M	11.9	—	—	-11.9		—		34+00
		605	M	14.5	-2°46'	-29.6	-44.1		4.82		33+00
		510	M	14.5	-6°26'	-56.8	-71.3		11.13		32+00
		420	M	14.5	-10°01'	-71.9	-86.4		17.13		Creek 31+00
		310	M	14.5	-11°02'	-58.2	-72.7		18.78		30+00
		210	M	14.5	-8°44'	-31.5	-46.0		15.01		29+00
		110	M	14.5	-5°20'	-10.2	-24.7		9.25		28+00

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	½ STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		0.075	M	-7.4	—		-7.4				27+00
π		0	—	—	—		—				<del>27+00</del>
		95	M	-14.5	-12°32'	-20.1	-34.6		21.18		26+00
		200	M	-14.5	-14°11'	-47.5	-62.0		23.76		25+00
		300	M	-14.5	-11°47'	-60.0	-74.5		19.99		24+00
		400	M	-14.5	-9°53'	-67.6	-82.1		16.91		23+00
		500	M	-14.5	-8°39'	-74.4	-88.9		14.87		22+00
		605	M	-14.5	-7°44'	-80.6	-95.1		13.33		21+00
		700	M	-14.5	-7°14'	-87.4	-101.9		12.49		20+00
		810	M	-14.5	-6°52'	-96.1	-110.6		11.87		19+00
0		910	M	-14.5	-6°43'	-105.7	-120.2		11.62		18+00
CK	4.55	—	B	-14.0	-6°27'	-101.6	-120.2		11.16		—
BS		600	M	+5.0	+0°46'	-8.0	-3.0		1.34		18+00
CK	3.00	—	T	+1.0	+0°06'	+1.1	-3.1	-31	0.18		—
		500	M	-8.7	—		-8.7				17+00
	2.0	400	B	-13.7	—	-2.0	-15.7				16+00
	1.5	300	B	-13.6	—	-1.5	-15.1				15+00
		200	M	-13.7	—		-13.7				14+00
		100	M	-10.6	—		-10.6				13+00
π		0	—	-4.5	—		-4.5				12+00
		100	M	-5.0	+5°04'	+8.8	+3.8		8.80		11+00
		205	M	-5.0	+7°42'	+27.2	+22.2		13.28		10+00
		300	M	-5.0	+10°05'	+51.7	+46.7		17.24		9+00



	½ STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
29.86	BS	420	M	+5.0	+18°20'	-125.4	-120.4			3098.0	T.O. 18+00W 0+00N B #1
						Average	-120.3	2977.7			
28.96	CK	210	T	+3.5	+17°42'	-123.7	-120.2				
29.47		320	M	-7.0	+18°03'	+94.3	+87.3			3065.0	18W 1+00N
29.62		210	M	-5.0	+18°10'	+62.2	+57.2			3034.9	18W 2+00N
31.76		105	M	-5.0	+19°43'	+33.3	+28.3			3006.0	18W 3+00N
	X	0	-	-5.0	—	—	-5.0			2972.7	18W 4+00N
19.80		100	M	-14.5	-11°40'	-19.8	-34.3			2943.6	+0.2 18W 5+00N
27.26		210	M	-14.5	-16°31'	-57.2	-71.7			2906.4	+0.4 18W 6+00N
27.23		315	M	-14.5	-16°30'	-85.8	-100.3			2878.0	+0.6 18W 7+00N
25.35	○	420	M	-14.5	-15°14'	-106.5	-121.0				18W 8+00N
	CK	210	—	—	—	Average	-121.1			2857.4	+0.8
0.87	BS	1110	M	+14.5	-0°30'	+9.7	+24.2	2881.6			18W 8+00N
0.41	CK	560	B	+14.0	-0°14'	+4.6	+24.2				
2.47		1010	M	-14.5	-1°25'	-24.9	-39.4			2842.2	18W 9+00N
4.01		910	M	-14.5	-2°18'	-36.5	-51.0			2830.6	18W 10+00N
5.58		810	M	-14.5	-3°12'	-45.2	-59.7			2821.9	18W 11+00N
6.90		710	M	-14.5	-3°58'	-49.0	-63.5			2818.1	18W 12+00N
7.59		610	M	-14.5	-4°22'	-46.3	-60.8			2820.8	18W 13+00N
7.13		510	M	-14.5	-4°06'	-36.4	-50.9			2830.7	18W 14+00N
6.56		400	M	-14.5	-3°46'	-26.2	-40.7			2840.9	18N 15+00N
5.83		300	M	-14.5	-3°21'	-17.5	-32.0			2849.6	18N 16+00N

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
4.30		200	M	-14.5	-2°28'	-8.6	-23.1			2858.5	18W 17+00N
		100	M	-13.4	—	—	-13.4			2868.2	18W 18+00N
	T	0	—	-4.9	—	—	-4.9			2876.7	18W 19+00N
		100	M	-6.6	—	—	-6.6			2875.9	18W 20+00N
		200	M	-9.1	—	—	-9.1			2872.5	18W 21+00N
		320	M	-2.7	—	—	-2.7			2878.9	18W 22+00N
		400	M	-1.7	—	—	-1.7			2879.9	18W 23+00N
	250	500	T	-2.3	—	+2.5	+0.2			2881.8	18W 24+00N
	300	600	T	-0.9	—	+3.0	+2.1			2883.7	18W 25+00N
1.86		700	M	-5.0	+1°04'	+13.0	+8.0			2889.8	10.2 18W 26+00N
3.49		810	M	-5.0	+2°00'	+28.3	+23.3			2905.3	10.4 18W 27+00N
4.91	0	870	M	-1.0	+2°49'	+42.7	+41.7			2923.9	10.6
5.37	CK 4.35	—	B	-0.5	+3°05'	+42.3	+41.8			—	—
9.88	BS	680	M	+5.0	-5°42'	+67.2	+72.2	2996.1		—	—
8.68	CK 340	—	B	+10.0	-5°00'	+62.3	+72.3			—	—
12.21		650	M	-5.0	-7°04'	-19.4	-84.4			2911.7	18W 28+00N
19.32		560	M	-5.0	-11°22'	-108.2	-113.2			2882.9	18W 29+00N
26.74		480	M	-14.5	-16°10'	-128.4	-142.9			2853.2	18W 30+00N
32.58		390	M	-14.5	-20°20'	-127.1	-141.6			2854.5	18W 31+00N
41.48		310	M	-14.5	-28°02'	-128.6	-143.1			2853.0	18W 32+00N
41.34		195	M	-14.5	-27°53'	-80.6	-95.1			2901.0	18W 33+00N
37.45		70	M	-14.5	-24°45'	-26.2	-40.7			2955.4	18W 34+00N
	T	0	—	—	—	—	—			—	—



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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
9.03	BS	340	M	+5.0	+5°12'	-30.7	-25.7	3103.5		3129.2	T.O. 22W 45+00 N
8.25	CK	170	T	+4.0	+4°45'	-29.0	-25.7				
6.85		240	M	-5.0	+3°56'	+16.4	+11.4			3114.9	22W 44+00 N
		140	M	-9.2	—	—	-9.2			3094.3	22W 43+00 N
12.29		45	M	-14.5	-10°07'	-7.8	-22.3			3081.2	22W 42+00 N
	T	—	—	—	—	—	—			—	—
22.62		55	M	-14.5	-13°27'	-12.4	-26.9			3076.6	22W 41+00 N
15.34		155	M	-14.5	-8°56'	-23.8	-38.3			3065.2	22W 40+00 N
13.81		260	M	-14.5	-8°01'	-35.9	-50.4			3053.1	22W 39+00 N
15.62		360	M	-14.5	-9°06'	-56.0	-70.5			3033.0	22W 38+00 N
17.48		460	M	-14.5	-10°14'	-80.4	-94.9			3008.6	22W 37+00 N
18.30	○	570	M	-10.0	-10°44'	-104.3	-114.3				22W 36+00 N
							-114.5			2989.0	—
17.08	CK	280	B	-14.5	-9°59'	-97.4	-114.7				—
7.82	BS	890	M	+5.0	+4°30'	-69.6	-64.6	2924.4			22W 36+00 N
6.88	CK	440	T	+1.0	+3°57'	-61.2	-64.6				—
2.82		800	M	-5.0	+1°37'	+22.6	+17.6			2942.0	22W 35+00 N
		700	M	-11.9	—	—	-11.9			2912.5	22W 34+00 N
4.82		605	M	-14.5	-2°46'	-29.6	-44.1			2880.3	22W 33+00 N
11.13		510	M	-14.5	-6°26'	-56.8	-71.3			2853.1	22W 32+00 N
17.13		420	M	-14.5	-10°01'	-71.9	-86.4			2838.0	22W 31+00 N
18.78		310	M	-14.5	-11°02'	-58.2	-72.7			2851.7	22W 30+00 N
15.01		210	M	-14.5	-8°44'	-31.5	-46.0			2878.4	22W 29+00 N

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
9.25		110	M	-14.5	-5°20'	-10.2	-24.7			2899.7	22W 28+00N
		8	M	-7.4	—	—	-7.4			2917.0	22W 27+00N
	T	0	—	—	—	—	—			—	—
21.18		95	M	-14.5	-12°32'	-20.1	-34.6			2889.8	22W 26+00N
23.76		200	M	-14.5	-14°11'	-47.5	-62.0			2862.4	22W 25+00N
19.99		300	M	-14.5	-11°47'	-60.0	-74.5			2849.9	22W 24+00N
16.91		400	M	-14.5	-9°53'	-67.6	-82.1			2842.3	22W 23+00N
14.87		500	M	-14.5	-8°39'	-74.4	-88.9			2835.5	22W 22+00N
13.33		605	M	-14.5	-7°44'	-80.6	-95.1			2829.3	22W 21+00N
12.49		700	M	-14.5	-7°14'	-87.4	-101.9			2822.5	22W 20+00N
11.87		810	M	-14.5	-6°52'	-96.1	-110.6			2813.8	22W 19+00N
11.62	⊙	910	M	-14.5	-6°43'	-105.7	-120.2			2804.2	22W 18+00N
11.16	CK	455	—	B	-14.0	-6°27'	-101.6	-120.2			—
1.34	BS	600	M	+5.0	+0°46'	-8.0	-3.0	2801.1			22W 18+00N
0.18	CK	300	—	T	+1.0	+0°06'	-1.1	-3.1	2801.1		—
		500	M	-8.7	—	—	-8.7			2792.4	22W 17+00N
		200	400	B	-13.7	—	-2.0	-15.7		2785.4	22W 16+00N
		150	300	B	-13.6	—	-1.5	-15.1		2786.0	22W 15+00N
			200	M	-13.7	—	—	-13.7		2787.4	22W 14+00N
			100	M	-10.6	—	—	-10.6		2790.5	22W 13+00N
	T	0	—	-4.5	—	—	-4.5			2796.6	22W 12+00N



	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
22.70	AS	210	m	+3.80	+13°30'	77.65	-43.85	3065.95		3109.8	TO. STA # 76+00 W
23.47	CK	210	m	+5.60	+14°00'	79.25	-43.65				BASE LINE #1
16.28		110	m	-4.80	+9°30'	17.90	+13.10			3079.05	STA # 77+00 W
		10	m	-4.60	-		-4.60			3061.35	STA # 78+00 W
	π	-	m	-5.00	-						-
17.10		90	m	-5.20	-10°00'	15.35	-20.55			3045.40	STA # 79+00 W
17.10		195	m	-7.45	-10°00'	33.30	-40.75			3025.20	STA # 80+00 W
16.28	○	300	m	-11.00	-9°30'	48.80	-59.80			3006.15	STA # 81+00 W
17.10	SK	300	m	-8.40	-10°00'	51.30	-59.70				
17.10	RS	190	m	+2.85	+10°00'	32.45	-29.60	2976.55			
18.73	CK	190	m	+6.20	+11°00'	35.55	-29.35				
18.73		90	m	-7.20	+11°00'	16.85	+9.65			2986.20	STA # 82+00 W
	π	-	m	-5.00	-						-
		10	m	-8.00	-		-8.00			2968.55	STA # 83+00 W
14.62		110	m	-7.40	-8°30'	16.05	-27.45			2949.10	STA # 84+00 W
18.33	○	185	m	-10.00	+10°45'	33.90	-43.90			2932.65	STA # 85+00 W
18.73	CK	185	m	-9.20	+11°00'	34.65	-43.85				

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION	
2153	BS	260	520	m	+7.75	12°45'	711.95	704.20	2828.45	5	92.5	TO STA #85 on B #1
2113	CK		520	m	+5.50	72°30'	709.85	704.35				SURVEY NORTH ON LINE #85
2113			420	m	+8.00	72°30'	88.70	+80.70			2909.15	STA #1+00 - LINE 85 W
2173			310	m	+6.20	72°30'	65.50	+59.30			2897.75	STA #2+00 " "
2113			210	m	+6.35	72°30'	44.35	+38.00			2866.45	STA #3+00 " "
2113			100	m	+4.00	72°30'	21.10	+17.10			2845.55	STA #4+00
X			-	m	5.00	-	-5.00				2823.45	STA #5+00
1462			110	m	+9.90	8°30'	16.05	-25.95			2802.50	STA #6+00
1462			210	m	+9.10	8°30'	30.70	-39.90			2788.65	STA #7+00
1462			300	m	+15.30	8°30'	43.85	-59.15			2769.30	STA #8+00
15.45			410	m	+15.50	9°00'	63.30	78.80			2749.65	STA #9+00
1710			515	m	+4.80	70°00'	88.05	92.85			2735.60	STA #10+00
1710	Q		620	m	+5.70	70°00'	706.00	711.70			2716.75	STA #11+00
16.69	CK		620	m	+8.30	9°45'	103.45	111.75				STA #12+00
5.23	BS		710	m	+0.70	3°00'	37.10	36.40	2680.35	5		
6.09	CK		710	m	+6.80	3°30'	43.20	-36.40				
2.62			600	m	+3.80	1°30'	15.70	+11.90			2692.25	STA #12
			500	m	+14.60	-		-14.60			2665.75	STA #13
3.49			410	m	+9.70	2°00'	14.30	-24.00			2656.35	STA #14
4.36			310	m	+72.85	2°30'	13.50	-26.35			2654.00	STA #15
5.23			200	m	+10.20	3°00'	10.45	20.65			2659.70	STA #16
			100	m	+14.70	-		14.70			2605.65	STA #17
X			-	m	5.00		-5.00				2675.35	STA #18

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
7.82	BS	160	m	+14.10	4°30'	+2.50	+26.60	2696.05		2669.45	TO STA #18+00
8.68	CK	160	m	+12.75	5°00'	+3.85	+26.60				
		55	m	+14.55	-		-14.55			2681.50	STA #17+00
		-	m	5.00							
		50	m	+12.00			-12.00			2684.05	STA #16+00
		150	m	+7.75			-7.75			2683.30	STA #15+00
2.62		250	m	+5.50	+1°30'	6.55	+1.05			2697.10	STA #14+00
5.23		350	m	+4.40	+3°00'	18.30	+13.90			2709.95	STA #13+00
7.82		450	m	+5.60	+4°30'	35.15	+29.55			2725.60	STA #12+00
9.54		550	m	+6.30	+5°30'	52.45	+46.15			2742.20	STA #11+00
11.25		655	m	+7.75	+6°30'	73.65	+65.90			2761.95	STA #10+00 +0.1
12.94		755	m	+12.20	+7°30'	97.65	+85.45			2780.50	STA #9+00 +0.2
12.94		870	m	+3.55	+7°30'	112.55	109.00			2805.05	STA #8+00 +0.3
14.62	Q	970	m	+7.00	+8°30'	+141.80	+134.80			2831.25	STA #7+00 +0.4
14.20	CK	970	m	+2.80	+8°15'	+137.70	+134.90				
25.00	BS	335	m	+46.05	15°00'	+83.75	+88.35				
23.47	CK	335	m	+10.50	14°00'	+78.60	+89.10	2920.35			
25.00		235	m	+7.30	15°00'	58.75	-66.05			2854.30	STA #6+00
25.00		135	m	+7.30	15°00'	33.75	-41.05			2879.30	STA #5+00
		35	m	+14.75	-		-14.75			2905.60	STA #4+00
		-	m	5.00			-5.00				



1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
	-	m	5.00			+5.00	2680.35		2675.35	TO STA #1800 LINE 85 W
	100	m	15.10			-15.10			2665.25	84+00 W. LINE 18+00 N
	200	B	14.80		-14.80 -1.00	-15.80			2664.55	83+00 W. LINE 18+00 N
	300	m	11.80			-11.80			2668.55	82+00 W. LINE 18+00 N
	390	m	10.90			10.90			2669.45	18+00 N 81 W LINE
	490	m	8.20			-8.20			2663.95	80+00 W LINE 18+00 N
	595	m	7.25			-7.25			2673.10	79+00 W LINE 18+00 N
	700	m	5.60			-5.60			2674.75	78+00 W LINE 18+00 N
	800	T	4.95		-4.95 +4.00	-0.95			2679.40	77+00 W LINE 18+00 N
1.74	0		880	m	11.40	+1.00 +5.30	+3.90		2684.25	78+00 N LINE 76 W
2.04	CK		880	m	14.00	+1.20 +7.95	+3.95			END OF LINE

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
16.28	BS 520	1040	m	+13.20	9°30'	+269.30	+182.50	2866.75		2684.25	TO STA # 18+00
17.10	CK	1040	m	+4.20	10°00'	+277.80	+182.00				
17.92		480	920	m	-6.80	10°30'	-164.85			2695.10	STA # 17+00
18.73			830	m	-6.75	11°00'	-155.45			2704.55	STA # 16+00
19.94		370	740	m	-6.10	11°45'	-147.45			2713.20	STA # 15+00
20.34		310	620	m	-6.55	12°00'	-126.10			2734.10	STA # 14+00
21.92		260	520	m	-2.90	13°00'	-113.95			2749.90	STA # 13+00
21.92			420	m	-6.40	13°00'	-92.05			2766.30	STA # 12+00
21.92			310	m	-7.70	13°00'	-67.95			2791.10	STA # 11+00
22.70			210	m	-4.60	13°30'	-47.65			2814.50	STA # 10+00
22.70			100	m	-4.10	13°30'	-22.70			2839.95	STA # 9+00
			-	m	-5.00	-	-5.00			2861.75	STA # 8+00
28.68			110	m	-7.65	17°30'	-31.50			2890.60	STA # 7+00
27.90			210	m	-5.80	17°00'	-58.55			2919.50	STA # 6+00
27.90			310	m	-3.55	17°00'	-86.45			2949.65	STA # 5+00
30.09			405	m	-5.60	18°30'	-121.85			2983.00	STA # 4+00
30.09			530	m	-8.50	18°30'	-159.45			3017.65	STA # 3+00
30.09	0	320	640	m	-11.60	18°30'	-192.55			3047.70	STA # 2+00
29.76	CK		640	m	-9.00	18°16'	-190.45				
26.50	BS		210	m	+11.50	16°00'	+55.65			3114.85	
28.68	CK		210	m	+6.10	17°30'	+60.20				
27.90			100	m	-8.00	17°00'	-27.90			3078.95	STA # 1+00
			-	m	-5.00	-	-5.00			3109.85	STA # 76W ON B #1

N.B.  $20^{\circ}53' = 19^{\circ}07'$

$\frac{16.5}{2}$

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
										3257.3	\$ 34+00 W
BS		420	M	+10.0	+17°09'	-118.4	-108.4		29.19		0+00 N
CK	2.10		T	+9.0	+16°43'	-115.7	-108.8	-107.7	27.55		—
CK			M	+10.0	+16°55'	-116.9	-106.9	3149.6	27.94		—
CK			M	+10.0	+17°07'	-118.4	-108.4		29.19		—
		320	M	-5.0	+17°01'	+90.3	+95.3		29.22	3234.9	1+00
		210	M	-5.0	+16°56'	+58.5	+53.5		27.86	3203.1	2+00
		100	M	-5.0	+16°47'	+27.6	+22.6		27.65	3172.2	3+00
T		0	—	-4.7	—	—	-4.7			3144.9	4+00
		100	M	-14.5	-10°19'	-17.6	-32.1		17.62	3117.2	-0.2 5+00
		200	M	-14.5	-14.03	-47.1	-61.6		23.55	3087.6	-0.4 6+00
		310	M	-10.0	-15°47'	-81.2	-91.2		26.18	3057.8	-0.6 7+00
0		410	M	-10.0	-15°25'	-105.1	-115.1		25.63	<del>3027.7</del>	8+00
CK	2.05		B	-9.0	-15°16'	-106.1	-115.1	-115.8	25.40	3033.0	-0.8
CK			M	-10.0	-15°39'	-106.5	-116.5		25.98		—
BS		420	M	+5.0	+19°07'	-129.9	-124.9		30.94		—
CK	2.1		T	+5.0	+19°50'	-130.4	-125.4	-125.5	30.55		—
CA			M	+5.0	+19°19'	-131.1	-126.1	2907.5	31.22		—
		320	M	-5.0	+19°05'	+100.3	+95.3		31.35	3002.8	9+00
		210	M	-5.0	+17°07'	+65.6	+60.6		31.22	2968.1	10+00
		105	M	-5.0	+18°58'	+32.3	+25.8		30.74	2933.3	11+00
T		0	—	-4.2	—	—	-4.2			2903.3	12+00

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INSTR.....

RODMAN.....

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION	
		100	M	-14.5	-16°22'	-27.0	-41.5		2704	2866.0	13+00	
		220	M	-6.0	-20°45'	-72.9	-78.9		33.13	2828.4	-0.2 14+00	
		320	M	-14.5	-16.58'	-89.3	-103.8		2791	2803.3	-0.4 15+00	
0		420	M	-10.0	+16°18'	-113.1	-123.1		26.94	2777.0	16+00	
CK	2.1		B	-10.0	-16°01'	-113.5	-123.5	-123.9		26.52	2783.0	-0.6
CK			M	-10.0	-16°32'	-114.6	-124.6			27.29		
BS		460	T	+2.1	—	-2.3	-0.2	-0.2				
CK			M	+5.0	+0°38'	-5.1	-0.1	2782.8	1.11			
		360	M	-7.2	—	—	-9.2			2773.6	17+00	
	1.3	260	B	-13.9	—	-1.3	-15.2			2767.6	18+00	
		160	M	-14.5	-10°59'	-5.5	-20.0		3.46	2762.8	19+00	
		60	M	-13.4	—	—	-13.4			2769.4	20+00	
T		0	—	—	—	—	—					
		40	M	-9.8	—	—	-9.8			2773.0	21+00	
		140	M	-14.5	-2°07'	-5.2	-19.2		3.69	2763.1	22+00	
		240	M	-14.5	-2°20'	-9.8	-24.3		4.07	2758.3	-0.2 23+00	
0		350	M	-14.5	-10°44'	-10.6	-25.1		3.02		24+00	
CK	1.75	—	B	-14.5	-10°26'	-10.6	-25.1	-24.4		2750	2758.0	-0.4
CK		—	M	-14.5	-1°30'	-9.2	-23.7			2.62		
BS		300	M	+5.0	-30°39'	+19.1	+24.1			6.35		
CK	1.5		B	+5.0	-30°22'	+19.1	+24.1	+23.4		5.86		
CK			M	+5.0	-30°25'	+17.9	+22.8	2781.4		5.95		
		200	M	-7.0	-4°40'	-16.2	-23.2			8.11	2758.2	25+00 Cred
		100	M	-13.0	-2°24'	-4.2	-17.2			4.24	2764.2	26+00

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INSTR.....

RODMAN.....

LINE NO. 34

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
A		0	-	-4.7	—		-4.7			2776.7	27+00
		105	M	-5.0	+18°14'	+31.2	+26.2		29.72	2807.6	28+00
		210	M	-5.0	+18°05'	+63.6	+58.6		29.51	2840.0	29+00
A	1.6	320	M	-4.5	+17°47'	+93.1	+78.6		29.08	<del>2840.0</del>	30+00
CK			T	-4.5	+17°29'	+93.3	+78.8	+79.0	28.66	2860.4	—
CK			M	-4.5	+18°00'	+94.0	+79.5		29.39	—	—
BS		580	M	+14.5	-11°16'	+111.1	+125.6	+124.6	19.16	—	—
CK	2.9	1	B	+14.5	-11°00'	+108.6	+126.0	2985.0	18.73	—	—
CK			M	+14.5	-11°03'	+109.1	+123.6		18.81	—	—
		480	M	-14.5	-11°51'	-97.2	-111.7		20.26	2873.3	31+00
		370	M	-14.5	-10°55'	-68.8	-83.3		18.60	2901.7	32+00
		270	M	-14.5	-10°11'	-47.0	-61.5		17.40	2923.5	33+00
		160	M	-14.5	-9°22'	-25.7	-40.2		16.06	2944.8	34+00
		60	M	-14.8	—		-14.8			2970.2	35+00
A		0	-	—	—		0			—	—
		40	M	-0.9	—		-0.9			2984.1	36+00
		140	M	-5.0	+3°18'	+8.1	+3.1		5.75	2988.1	37+00
		240	M	-6.0	+2°45'	+11.5	+5.5		4.79	2990.5	38+00
		340	M	-6.0	+2°46'	+16.4	+10.4		4.82	2995.4	39+00
		450	M	-5.0	+3°58'	+31.0	+26.0		6.90	3011.0	40+00
		550	M	-5.0	+5°24'	+51.5	+46.5		9.37	3031.5	41+00
		650	M	-5.0	+9°36'	+106.7	+101.7		16.44	3086.7	42+00
		750	M	-5.0	+11°33'	+147.2	+142.2		19.62	3127.2	43+00
		810	M	-5.0	+13°33'	+191.4	+186.4		22.78	3171.4	44+00

150  
11.3  
7.7

17

8.5  
5.8

14.8  
11.8  
2.4



6.0  
2.3  
3.7

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INSTR. S.B.

RODMAN B.B.

LINE NO. 30W

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		415	M	+5.0	+14° 05'	-97.9	-92.9	3123.4	23.60	3216.3	30W 0+00 N
CK	2.07		T	+2.0	+13° 23'				22.52		
CK			M	+5.0	+14° 04'	-97.9	-92.9		23.58		
		310	M	-5.0	+13° 25'	+70.0	+65.0		22.57	3188.4	1+00 N
		205	M	-5.0	+13° 39'	+47.0	+42.0		22.94	3165.4	2+00 N
		105	M	-5.0	+13° 31'	+23.9	+18.9		22.73	3142.3	3+00
T		0	-	-4.5			-4.5			3118.9	4+00
		100	M	-14.5	-15° 00'	-25.0	-39.5		25.00	3083.9	5+00
		205	M	-14.5	-14° 49'	-56.8	-71.3		27.69	3052.1	6+00
		310	M	-14.5	-17° 00'	-86.7	-101.2		27.96	3022.2	7+00
0		420	M	-7.0	-18° 23'	-125.7	-132.7		29.93	2990.7	8+00
CK	2.1		T	-14.5	-17° 39'	-121.3	-133.7		28.89		
CK			M	-7.0	-18° 22'	-125.6	-132.6		29.90		
BS	3.70	740	M	+2.0	+17° 06'	-207.9	-205.9	2784.8	28.10		
CK			M	+2.0	+17° 05'	-207.8	-205.8		28.08		
		630	M	-5.0	+16° 42'	+173.4	+168.4		27.52	2953.2	9+00
		520	M	-5.0	+15° 56'	+137.3	+132.3		26.48	2917.10	10+00
		415	M	-5.0	+14° 29'	+100.5	+95.5		24.22	2880.30	11+00
		310	M	-5.0	+13° 32'	+70.5	+65.5		22.75	2850.30	12+00
		205	M	-5.0	+12° 22'	+42.9	+37.9		20.92	2822.7	13+00
		100	M	-5.0	+10° 31'	+18.0	+13.0		17.95	2797.8	14+00
T		0	-	-4.3			-4.3			2780.5	15+00

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		100	M	-13.1	—		-13.1			2771.9	16+00
	1.0	200	B	-14.3	—	-1.0	-15.3			2769.5	17+00
	1.5	300	B	-14.9	—	-1.5	-15.9			2768.9	18+00
	2.0	400	B	-15.2	—	-2.0	-17.2			2767.60	19+00
		500	M	-6.8	—		-6.8			2778.0	20+00
		600	M	-5.0	+2°19'	+24.2	+19.2	4.04		2804.0	21+00
0		700	M	-8.0	+2°27'	+29.9	+21.9	4.27		2806.7	22+00
CK	3.5		T	-6.0	+2°00'	+24.4	+21.9	3.49		2806.7	—
CK			M	-8.0	+2°29'	+30.3	+22.3	4.33		—	—
BS		300	M	+5.0	-3°38'	+19.0	+24.0	2830.7	6.32	—	—
CK			M	+5.0	-3°37'	+18.9	+23.9		6.30	—	—
		200	M	-5.0	-6°01'	-20.8	-25.8		10.42	2804.9	23+00
		100	M	-14.5	-6°30'	-11.2	-25.7		11.25	2805.0	24+00
T		0	—	-4.7	—		-4.7			2826.0	25+00
		100	M	-14.5	-8°57'	-15.4	-29.9		15.37	2800.8	26+00
		200	M	-14.5	-9°42'	-33.2	-47.7		16.61	2783.0	27+00 Creek
		300	M	-5.0	-7°07'	-36.9	-41.9		12.29	2788.8	28+00
CK			M	-5.0	-7°05'	-36.7	-41.7		12.24	—	—
		400	M	-11.0	-2°44'	-19.0	-30.0		4.76	2800.9	29+00
		500	M	-10.0	+0°44'	+6.4	-3.6		1.28	2827.1	30+00
		595	M	-5.0	+4°10'	+43.1	+38.1		7.25	2868.8	31+00
		690	M	-5.0	+8°33'	+101.4	+96.4		14.70	2927.1	32+00
		790	M	-5.0	+10°04'	+136.0	+131.0		17.21	2961.7	33+00
		900	M	-5.0	+10°13'	+151.1	+152.1		17.46	2982.8	34+00



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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		335	M	+5.0	+40°10'	-24.3	-19.3	-19.2	7.25	3110.8	45+00
CK		—	M	+5.0	+44°08'	-24.1	-19.1	3091.6	7.19		—
		235	M	-5.0	+30°35'	+14.7	+9.7		6.24	3101.3	44+00
		133	M	-5.0	+28°32'	+6.6	+1.6		5.00	3093.2	43+00
		31	M	-3.0	+2°29'	+1.3	-1.7		4.33	3089.9	42+00
X		0	—	—	—	—	—				—
		70	M	-14.5	-15°41'	-18.2	-32.7		26.02	3058.9	41+00
		180	M	-14.5	-22°43'	-64.1	-78.6		35.62	3013.0	40+00
		290	M	-7.0	-20°34'	-95.4	-102.4		32.89	2989.2	39+00 } creek
		390	M	-14.5	-16°30'	-106.2	-120.7		27.23	2970.9	38+00 } S
		500	M	-5.0	-16.20'	-135.0	-140.0		26.99	2951.6	37+00
		585	M	-5.0	-12°20'	-122.1	-127.1		20.87	2969.5	36+00
D		620	M	-5.0	-9°46'	-103.7	-108.7	-108.6	16.72	2983.0	—
CK		620	M	-5.0	-9°45'	-103.5	-108.5		16.69		—
BS		325	M	+3.0	+8°43'	-48.7	-45.7	2937.3	14.98		—
CK			M	+3.0	+8°42'	-48.6	-45.6		14.95		—
		275	M	-5.0	+7°26'	+35.3	+30.3		12.83	2967.6	35+10 } step
		175	M	-5.0	+3°40'	+11.2	+6.2		6.38	2943.5	34+00 } hillside
		75	M	-6.0	+0°31'	+0.7	-5.3		0.90	2932.0	33+00
X		0	—	—	—	—	—		11.12		—
		25	M	-14.5	-8°12'	-35.3	-18.0		14.12	2919.3	32+00

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INSTR. SB

RODMAN RB

LINE NO. 26

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
								2937.2			
		135	M	-14.5	-27°39'	-55.5	-70.0		41.11	2867.3	31+00
		255	M	-14.5	-25°56'	-100.3	-114.9		39.33	2822.5	32+00
		340	M	-14.5	-19°25'	-106.6	-131.1		31.35	2806.2	29+00 } Creek
		420	M	-14.5	-13°40'	-96.4	-110.9	-110.9	22.96	2826.4	28+00
CK			M	-14.5	-13°38'	-96.2	-110.7		22.91		27+00
		505	M	-14.5	-7°13'	-62.9	-77.4		12.46	2859.9	26+00
		600	M	-14.5	-4°06'	-42.8	-57.3		7.13	2880.0	25+00
⊙		630	M	-14.5	-3°23'	-37.1	-51.6	-51.5	5.89	2885.8	24+00
CK			M	-14.5	-3°21'	-36.7	-51.2		5.83		23+00
CK	3.15		B	-14.5	-3°04'	-33.6	-51.3		5.34		22+00
BS		380	M	+5.0	+10°44'	-69.5	-64.5	2821.3	18.30		21+00
CK			M	+5.0	+10°43'	-69.4	-64.4		18.27		20+00
		310	M	-5.0	+10°10'	+53.8	+48.8		17.37	2870.1	19+00
		205	M	-5.0	+10°17'	+36.0	+31.0		17.56	2852.3	18+00
		100	M	-5.0	+9°04'	+15.6	+10.6		15.56	2831.9	17+00
π		0	-	-5.2	-	-	-5.2		11.11	2816.1	16+00
		100	M	-14.5	-8°20'	-14.3	-28.8		14.34	2792.5	15+00
		200	M	-14.5	-8°01'	-27.6	-42.1		13.81	2779.2	14+00
		300	M	-14.5	-6°07'	-31.8	-46.3		10.59	2775.0	13+00
⊙		400	M	-14.5	-4°01'	-32.6	-47.1	-47.0	8.14	2774.3	12+00
CK			M	-14.5	-4°39'	-32.3	-46.8		8.08		11+00

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		605	M	+14.5	-2°04'	+21.8	+36.3	+36.4	3.60		18+00 N
CK			M	+14.5	-2°05'	+22.0	+36.5	2810.7	3.63		
		500	M	-14.5	-2°35'	-27.2	-41.7		4.50	2769.0	17+00
		400	M	-14.5	-2°59'	-20.8	-35.3		5.20	2775.4	16+00
		300	M	-14.5	-3°41'	-19.2	-33.7		6.41	2777.0	15+00
		200	M	-14.5	-4°28'	-15.5	-30.0		7.76	2780.7	14+00
		100	M	-14.5	-2°16'	-4.0	-18.5		3.95	2792.2	13+00
+				-5.2			-5.2			2805.5	12+00
		105	M	-3.0	+17°31'	+30.1	+27.1		28.70	2837.8	11+00
		210	M	-4.0	+17°12'	+59.3	+55.3		28.25	2866.0	10+00
		320	M	-3.0	+19°55'	+98.1	+95.1		30.67	2905.8	9+00
		425	M	-4.0	+19°42'	+134.9	+130.9		31.74	2941.6	8+00
		540	M	-6.5	+20°18'	+175.7	+169.2		32.54	2979.9	7+00
0		650	M	-8.0	+20°19'	+211.6	+203.6		32.56	3014.3	6+00
CK			Vh	-8.0	+20°18'	+211.5	+203.5		32.54	3014.2	
CK	3.25		B	-9.0	+20°35'	+213.9	+202.7		32.91		
BS		310	M	+14.5	-17°02'	+87.3	+101.8	3116.0	28.15		6+00
CK			M	+14.5	-17°10'	+87.4	+101.9		28.20		
		205	M	-14.5	-17°17'	-58.2	-72.7		28.37	3043.3	5+00
		100	M	-14.5	-16°53'	-27.8	-42.3		27.79	3073.7	4+00
+		0		-4.9			-4.9			3111.1	3+00
		100	M	-1.5	+11°18'	+19.2	+17.7		19.22	3133.7	2+00
		205	M	-4.0	+13°28'	+46.4	+42.4		22.65	3158.4	1+00



	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
										3109.8	
1378	BS	80	m	14.40	18°-20	12.00	+25.40	3135.20			TO STA # 7641
17.19	CK	80	m	11.60	10°-00	13.65	+25.25				ON BASELINE # 1
	Z	-	m	5.00			-5.00				-
20.34	⊙	310	m	5.90	12°-00	63.05	+57.15	3192.05		3192.35	
21.92	CK	310	m	11.30	13°-00	67.95	+56.65				
21.13	BS	230	m	6.30	12°-30	48.55	+54.85	3247.20			
21.92	CK	230	m	4.30	13°-00	50.40	+54.70				
	Z	-	m	5.00			-5.00				
25.00	⊙	140	m	11.20	15°-00	35.00	+23.80			3271.00	
2270	CK	140	m	7.45	13°-30	31.75	+24.30				
1378	BS	150	m	6.80	8°-00	20.65	+27.45	3296.45			
15.45	CK	150	m	4.10	9°-00	23.15	+27.25				
	Z	-	m	5.00			+5.00				
9.97	⊙	300	m	4.80	5°-45	29.90	+25.10			3323.56	
10.82	CK	300	m	7.45	6°-15	32.45	+25.00				
4.79	BS	300	m	8.50	2°-45	14.35	+22.85	3346.40		3346.17	
5.23	CK	300	m	7.30	3°-00	15.65	+22.95				
	Z	-	m	5.00			-5.00				
5.23	⊙	255	m	9.60	3°-00	13.30	+3.70	3300.7		3350.10	
3.49	CK	255	m	5.30	2°-00	8.85	+3.55				

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		150	m	6.70	-		+6.70	3356.80			
		150	B	6.00	-		+6.75				
		-	m	5.00			-5.00				
3.05	0	210	m	5.30	+1°45'	12.80	+7.50			3364.30	
2.62	CK	420	m	3.50	+1°30'	11.00	+7.50				
	BS	120	B	7.70	-		+8.90	3373.20			
	CK	240	m	8.90			+8.90				
	Σ	-	m	4.90			-4.90				
1.74	0	340	m	13.30	+1°00'	5.90	-7.40			3365.80	
1.31	CK	340	m	11.80	+0°45'	4.45	-7.35				
6.09	BS	320	m	7.70	+3°30'	19.45	-11.75	3354.05			
5.66	CK	320	m	6.20	+3°15'	18.10	-11.90				
	Σ	-	m	4.90			-4.90			3337.6	STA # 42 W ON
3.93	0	185	m	9.20	-2°15'	7.25	-16.45			3337.6	BASE LINE # 1
5.23	CK	185	m	6.80	-3°00'	9.65	-16.45				

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
									B5 0°		
T			-	-5.0	—				0°		B2 37+75W 27+56N
		30	M	-7.5	—						B2 38+00W
		130	M	-14.5	—						39+00W
		230	M	-14.5	-1°52'						40+00W
		330	M	-4.5	-2°48'						41+00W
D		440	M	-10.0	-3°39'				93°20'		42+00W
CK		—	M	-10.0	-3°41'						→N
T		0	-	-4.8	—						<del>30+00W</del> 28+29N
BS		30	M	-6.9	—						30W 28+00N
			T	-7.07	—						
T		0	-	-4.8	—				0		30+00W 28+29N
		100	M	-4.0	+1°51'						B2 29+00W
		210	M	-10.0	+3°21'						28+00W
		310	M	-5.0	+2°41'						27+00W Creek
		410	M	-5.0	+2°44'						B 26+65W 28+42N
CK		—	M	-5.0	+2°42'						— Creek
D		450	M	-5.0	+2°54'				90°19'40"		25+65W 28+42N
CK		—	M	-5.0	+2°56'						→N
BS		40	M	-2.5	+15°17'						26W 28+00N
CK		—	M	-2.5	+15°16'						
T		—	-	-4.3	—						25+65W 28+42N
		65	M	-4.0	+2°04'						25+00W Creek

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		170	M	-2.5	+6°58'						24+00 W
		275	M	-3.0	+11°42'						23+00 W
<del>0</del>		<del>380</del>	<del>M</del>	<del>-5.0</del>	<del>+13°09'</del>						
CK			M	-5.0	+13°08'	+83.0			22.13		
0		375	M	-5.0	+13°21'	+84.3	+79.3		22.47	38'	22W+00 28+22 N
CK			M	-5.0	+13°23'				180°38'	← → N	
BS		180	M	-6.0	-14°06'						22N 30+00 M
CK			M	-6.0	-14°07'						
K		0		-4.9	←				0		22+00W 28+22 N
		100	M	-2.0	+10°19'						21+00W
0		195	M	-2.0	+11°56'				3°27'		
CK			M	-2.0	+11°57'				176°33'	← → N	
K				-4.8	←				0°		
		20	M	-11.9	←						20+00W steep 1500
		120	M	-14.5	-12°56'						19+00 W
		220	M	-14.5	-8°02'						18+00 W
0		250	M	-14.5	-7°02'				0°24'		17+68W 28+38 N
CK			M	-14.5	-7°04'						
BS		165	M	-5.0	-17°03'						19W 30+00 N
CK			M	-5.0	-17°09'						
K				-5.3	←						B 217+68W 28+38 N
		70	M	-11.2	←						17+00W
		170	M	-14.5	-4°11'						16+00W

4.33  
5.17  
5.11  
0.73

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		270	M	-14.5	-11°29'						215+00 W
		375	M	-14.5	-3°30'						14+00 W
		415	M	-14.5	-2°29'	-18.0	-32.5				13+58 W 28+50 N
CK		-	M	-14.5	-2°30'						-
		470	M	-14.5	-0°49'						13+00 W
		570	M	-12.0	+1°21'						12+00 W
		670	M	-6.0	+2°04'						11+00 W
⊙		770	M	-5.0	+2°58'	+39.8	+34.8	} 34.6	182°55'20"	<del>25</del> N	10+00 W 28+28 N
CK		-	M	-5.0	+2°56'	+39.3	+34.3				
BS	0.80		B	+14.4	-		+15.2				14 W 30+00 N
CK		160	M	+14.0	-0°25'	+1.2	+15.2				-
T		0	-	-5.1	-						213+58 W 28+50 N

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
										2790.9	T.O. 30+00W 28+29N <u>B#2</u>
	$\pi$	0	-	+4.7	—	—	+4.7	2795.6			
		100	m	-7.6	—	—	-7.6			2788.0	<u>B#2</u> 31+00W
		200	m	-8.2	—	—	-8.2			2787.4	<u>B#2</u> 32+00W
3.63		300	m	-5.0	+2°05'	+10.9	+5.9			2801.5	<u>B#2</u> 33+00W
5.58	$\odot$	400	m	-5.0	+3°12'	+22.3	+17.3			2812.9	<u>B#2</u> 34+00W 28+20N
5.52	CK	—	m	-5.0	+3°10'	+22.1	+17.1				
	$\pi$	0	-	+5.2	—	—	+5.2	2818.1			34+00W 28+20N
		100	m	-9.1	—	—	-9.1			2809.0	<u>B#2</u> 35+00W
		200	m	-7.8	—	—	-7.8			2810.3	<u>B#2</u> 36+00W
		300	m	-13.2	—	—	-13.2			2804.9	<u>B#2</u> 37+00W
1.92	$\odot$	370	m	-10.0	-1°06'	-7.1	-17.1			2801.0	<u>B#2</u> 37+75W 28+34N
1.95	CK	—	m	-10.0	-1°07'	-7.2	-17.2				
	$\pi$	0	-	+4.9	—	—	+4.9	2805.9			37+75W 28+34N
	$\odot$	20	m	-0.7	—	—	-0.7			2805.2	37+75W 28+56N
	CK	—	T	-0.8	—	—	-0.7				
	$\pi$	0	-	+5.0	—	—	+5.0	2810.2			37+75W 28+56N
		30	m	-7.5	—	—	-7.5			2802.7	<u>B#2</u> 38+00W
		130	m	-14.5	—	—	-14.5			2795.7	<u>B#2</u> 39+00W
3.26		230	m	-14.5	-1°52'	-7.5	-22.0			2788.2	<u>B#2</u> 40+00W
4.88		330	m	-14.5	-2°48'	-16.1	-30.6			2779.6	<u>B#2</u> 41+00W
6.38	$\odot$	440	m	-10.0	-3°40'	-28.1	-38.1			2772.1	<u>B#2</u> 42+00W 29+00N
6.41	CK	—	m	-10.0	-3°41'	-28.2	-38.2				<u>B#2</u> —



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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
										2790.9	T.O. 30+00W 28+29N
	T	0	-	+4.8	—	—	+4.8	2795.7			
3.23		100	M	-4.0	+1°51'	+3.2	+0.8			2796.5	B2 29+00W
5.83		210	M	-10.0	+3°21'	+12.2	+2.2			2797.9	B2 28+00W
4.68		310	M	-5.0	+2°41'	+14.5	+9.5			2805.2	B2 27+00W
4.76		410	M	-5.0	+2°44'	+19.5	+14.5			2810.2	B2 26+00W
5.08	D	450	M	-5.0	+2°55'	+22.9	+17.9			2813.6	B2 25+65W 28+42N
5.11	CK	—	M	-5.0	+2°56'	+23.0	+18.0				—
	T	0	-	+4.3	—	—	+4.3	2817.9			B2 25+65N 28+42N
3.60		65	M	-4.0	+2°04'	+2.3	+1.7			2819.6	B2 25+00W
12.04		170	M	-2.5	+6°58'	+20.5	+18.0			2825.9	B2 24+00W
19.86		275	M	-3.0	+11°42'	+54.6	+51.6			2869.5	B2 23+00W
22.47	D	375	M	-5.0	+13°21'	+84.3	+79.3			2897.2	B2 22+00W 28+22N
22.52	CK	—	M	-5.0	+13°23'	+84.4	+79.4				—
	T	0	-	+4.9	—	—	+4.9	2902.1			B2 22+00W 28+22N
17.62		100	M	-2.0	+10°19'	+17.6	+15.6			2917.7	B2 21+00W
20.23	D	195	M	-2.0	+11°56'	+39.4	+37.4			2939.5	—
20.26	CK	—	M	-2.0	+11°57'	+39.5	+37.5				—
	T	0	-	+4.8	—	—	+4.8	2944.3			—
		20	M	-11.9	—	—	-11.9			2932.4	B2 20+00W
21.81		120	M	-14.5	-12°56'	-46.1	-60.6			2883.7	B2 19+00W
13.84		220	M	-14.5	-8°02'	-30.4	-44.9			2899.4	B2 18+00W
12.18	D	250	M	-14.5	-7°03'	-30.4	-44.9			<del>2899.4</del>	B2 17+68W 28+38N
12.21	CK	—	M	-14.5	-7°04'	-30.5	-45.0			2899.3	—

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PAGE .....

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
	$\pi$	0	-	+5.3	—	—	+5.3	2904.6		2899.3	B 2 17+68W 28+38N
		70	m	-11.2	—	—	-11.2			2893.4	B 2 17+00W
7.28		170	m	-14.5	-4°11'	-12.4	-26.9			2877.7	B 2 16+00W
7.79		270	m	-14.5	-4°29'	-21.0	-35.5			2869.1	B 2 15+00W
6.09		375	M	-14.5	-3°30'	-22.8	-37.3			2867.3	B 2 14+00W
1.42		470	m	-14.5	-0°49'	-6.7	-21.2			2883.4	B 2 13+00W
2.36		570	m	-12.0	+1°21'	+13.4	+1.4			2906.0	B 2 12+00W
3.60		670	m	-6.0	+2°04'	+24.1	+18.1			2922.7	B 2 11+00W
5.17	$\odot$	770	m	-5.0	+2°58'	+39.8	+34.8			—	B 2 10+00W 28+28N
							+34.6			2939.2	—
5.11	CK	—	m	-5.0	+2°56'	+39.3	+34.3			—	—
	$\pi$	0	-	+5.1	—	—	+5.1	2944.3			10+00W 28+28N
16.74	$\odot$	100	M	-3.5	+9°47'	+16.7	+13.2			2957.5	B 2 9+00W
16.77	CK	—	m	-3.5	+9°48'	+16.8	+13.3				—
	$\pi$	0	-	+5.0	—	—	+5.0	2962.5			B 2 9+00W
5.29		100	m	-3.5	+3°22'	+5.3	+1.8			2964.3	B 2 8+00W
6.99		200	m	-4.0	+4°01'	+14.0	+10.0			2972.5	B 2 7+00W
7.56		305	m	-3.5	+4°21'	+23.1	+19.6			2982.1	B 2 6+00W
7.65	$\odot$	325	m	-3.5	+4°24'	+24.9	+21.4			2983.9	B 2 5+84W 28+09N
7.62	CK	—	m	-3.5	+4°23'	+24.8	+21.3				—

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
	<u>π</u>	<u>0</u>	<u>-</u>	<u>+5.1</u>	<u>—</u>	<u>—</u>	<u>+5.1</u>	<u>2999.0</u>			<u>B2 5+84 W 28+09 N</u>
	<u>.42</u>	<u>85</u>	<u>T</u>	<u>-1.35</u>	<u>—</u>	<u>0.42</u>	<u>-0.9</u>			<u>2988.1</u>	<u>B2 5+00 W</u>
<u>4.44</u>		<u>190</u>	<u>M</u>	<u>-3.0</u>	<u>+2°33'</u>	<u>+8.4</u>	<u>+5.4</u>			<u>2994.4</u>	<u>B2 4+00 W</u>
<u>5.58</u>		<u>290</u>	<u>M</u>	<u>-3.5</u>	<u>+3°12'</u>	<u>+16.2</u>	<u>+12.7</u>			<u>3001.7</u>	<u>B2 3+00 W</u>
<u>6.27</u>		<u>395</u>	<u>M</u>	<u>-5.0</u>	<u>+3°36'</u>	<u>+24.8</u>	<u>+19.8</u>			<u>3008.8</u>	<u>B2 2+00 W</u>
<u>6.30</u>	<u>○</u>	<u>399</u>	<u>M</u>	<u>-5.0</u>	<u>+3°37'</u>	<u>+25.1</u>	<u>+20.1</u>			<u>3009.0</u>	<u>B2 1+90 W 28+30 N</u>
<u>6.27</u>	<u>CK</u>	<u>—</u>	<u>M</u>	<u>-5.0</u>	<u>+3°36'</u>	<u>+25.0</u>	<u>+20.0</u>			<u>3008.9</u>	<u>-0.1</u>
	<u>π</u>	<u>—</u>	<u>m</u>	<u>+4.6</u>	<u>—</u>	<u>—</u>	<u>+4.6</u>	<u>3013.5</u>			<u>1+90 W 28+30 N</u>
<u>3.49</u>		<u>100</u>	<u>M</u>	<u>-2.5</u>	<u>+2°00'</u>	<u>+3.5</u>	<u>+1.0</u>			<u>3014.5</u>	<u>B2 1+00 W</u>
	<u>○</u>	<u>203</u>	<u>M</u>	<u>-9.0</u>	<u>+4°34'</u>	<u>+16.1</u>	<u>+7.1</u>			<u>3020.6</u>	<u>B2 N 0+03 W 28+18 N</u>
	<u>CK</u>	<u>—</u>	<u>M</u>	<u>-9.0</u>	<u>+4°32'</u>	<u>+16.0</u>	<u>+7.0</u>			<u>—</u>	<u>—</u>



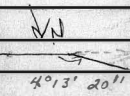
	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
										3000.7	T.O. 16+00E 28+00N
T		0	-	+4.62	—	—	+4.6	3005.3			—————
		104	m	-7.1	—	—	-7.1			2998.2	15+00E
		205	m	-6.9	—	—	-6.9			2998.4	14+00E
		308	m	-6.8	—	—	-6.8			2998.5	13+00E
0		413	m	-7.98	—	—	-8.0			2997.3	12+00E 28+65N
CK	206	—	T	-10.06	—	+2.06	-8.0				TIE TO LINE 12E
CK	206	—	B	-5.93	—	-2.06	-8.0				—————
BS		204	m	+5.75	—	—	+5.8	3003.1			12+00E
CK	102	—	T	+6.77	—	-1.02	+5.8				—————
CK	102	—	B	+4.73	—	+1.02	+5.8				—————
		103	m	-4.3	—	—	-4.3			2998.8	11+00E
T		0	-	-4.6	—	—	-4.6			2998.5	10+00E
0		300	m	-5.68	—	—	-5.7			2997.4	7+00E 28+46N
CK	150	—	B	-4.18	—	-1.5	-5.7				TIE TO LINE 7E
CK	150	—	T	-7.18	—	+1.5	-5.7				—————
BS	150	300	B	+4.2	—	+1.5	+5.7	3013.1			7+00E
CK	—	—	B	+4.2	—	+1.5	+5.7				—————
		207	m	-9.1	—	—	-9.1			3004.0	6+00E
		106	m	-8.1	—	—	-8.1			3005.0	5+00E
T		0	-	-4.2	—	—	-4.2			3008.9	TIE TO LINE 4+00E 28+35N
		101	m	-3.5	+2°47'	+4.9	+1.4			3014.5	TIE TO LINE 3+00E 41E
		204	m	-4.0	+4°10'	+14.8	+10.8			3023.9	2+00E
0		310	m	-7.0	+3°57'	+21.3	+14.3			3027.4	1+00E
CK	—	—	m	-7.0	+3°56'	+21.2	+14.2				—————

4.85

86° 40' 20"

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
											89° 50'
BS											
X				-4.7							
		100	M	-7.6							28+29 N 31+00 W
BS		30	M	-6.9			-6.9		0°		30W 28+00 N
CK		30	M	-6.9					0°		
X											30
											2-31+00W
		200	M	-8.2							2-32+00W
		300	M	-5.0	+205						2-33+00W
559 O		400	M	-5.0	+3°12'	+22.3	+17.3		86° 40' 20"		2-34+00W 28+20 N
CK			M	-5.0	+30'10"						
X		0		-5.2					0°		34+00W 28+20 N
27.99 BS		190	M	-12.0	+17°01'	-53.2	+41.2				34W 30+00
CK			M	-12.0	+17°00'						
		100	M	-9.1							2-35+00 W
		200	M	-7.8							2-36+00 W
		300	M	-13.2							2-37+00 W
O		370	M	-10.0	-1°06'				184° 13' 20"		2-37+75 W 28+34 N
CK			M	-10.0	-1°07'				4° 13' 20"		
X				-4.9							37+75W 28+34 N
O		20	M	-0.7					270° 0' 0"		37+75W 28+56N
CK			T	-0.8							

Bearing of line 30W from B1 =



DATE July 22 69

19 PROSPECT

INSTR

RODMAN

LINE NO

PAGE 13

	1/2 STAD.	STAD.	HAIR	ROD	ANGLE	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
16.14	0	170	M	-14.5	-9°26'	-27.4	-41.9				10W 30+00N
	CK	—	M	-14.5	-9°27'						
	T		—	-5.1	—				0°		10+00W 28+28N
18.52	0	100	M	-3.5	+9°47'	+16.7	+13.2				9+00W
	CK	—	M	-3.5	+9°48'	+16.8	+13.3		184°58'		
	T	0	—	-5.0	—				0°		9+00W
		100	M	-3.5	+3°02'						8+00W
		200	M	-4.0	+4°01'						7+00W
		305	M	-3.5	+4°21'						6+00W
7.65	0	325	M	-3.5	+4°24'	+24.9	+21.4		160°46'20"		5+84 W 28+09N
7.62	CK	—	M	-3.5	+4°23'	+24.8	+21.3				
	0	195	M	-4.7	—		-4.7				6W 30+00N
	CK	—	M	-5.0	+0°05'	+0.3	-4.7				
	T	0	—	-5.1	—				0°		5+84 W 28+09N
		85	T	-1.35	—						5+00W
		190	M	-3.0	+2°33'						4+00W
		290	M	-3.5	+3°12'						3+00W
		395	M	-5.0	+3°36'						2+00 W
6.30	0	400	M	-5.0	+3°37'	+25.2	+20.2		173°21'40"		1+90 28+30N
6.27	CK	—	M	-5.0	+3°36'	+25.1	+20.1				
	0		M	-2.0	—						2W 30+00 N
	CK	170	M	-2.5	+0°10'						
	T	—	—	-4.6	—						1+90 W, 28+30 N
		100	M	-2.5	+2°00'						1+00 W

Refer to  
summary.





I  
F  
I  
N

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS	1.56	3.13	B	+4.0	45°46'	-81.8	-76.2	3221.8	26.15	3298.0	0+00N
			T	+7.13		-81.8	-76.3				—
CK			M	+5.0	+15°40'	-81.4	-76.4		26.00		—
CK			M	+5.0	+15°38'	-81.2	-76.2		25.95		—
		2.10	M	-5.0	+15°52'	+55.2	+50.2		26.30	3272.0	1+00N
		1.00	M	-5.0	+15°35'	+25.9	+20.9		25.88	3242.7	2+00N
π		0	—	-4.0	—	—	-4.0			3217.6	-0.2 3+00N
		1.05	M	-5.0	-19°31'	-33.1	-38.1		31.49	3183.3	-0.4 4+00N
		2.14	M	-5.0	-19°04'	-66.1	-71.1		30.87	3150.1	-0.6 5+00N
		3.18	M	-5.0	-17°53'	-93.0	-98.0		29.23	3123.0	-0.8 6+00N
		4.20	M	-5.0	-17°24'	-119.9	-124.9		28.54	3095.9	-1.0 7+00N
0		4.45	M	-5.0	-16°58'	-124.2	-129.2	-129.3	27.91	3091.3	-1.2 0
CK		—	M	-5.0	-17°00'	-124.4	-129.4		27.96		—
BS		3.95	T	+5.95		-123.0	-119.0	2972.3			—
CK	2.00		B	+2.00		-123.0	-119.0				—
CK			M	+4.0	+19°15'	-123.0	-119.0		31.13		—
CK			M	+4.0	+19°12'	-122.7	-118.7		31.06		—
		3.18	M	-5.0	+18°57'	+97.7	+92.7		30.72	3065.0	8+00N
		2.15	M	-7.0	+19°04'	+66.4	+59.4		30.87	3031.7	9+00N
		1.05	M	-2.5	+19°04'	+32.4	+29.9		30.87	3002.2	10+00N
π		0	—	-3.6	—	—	-3.6			2968.6	-0.1 11+00N
		1.00	M	-14.5	-14°53'	-24.8	-39.3		24.82	2932.7	-0.3 12+00N
		2.42	M	-11.0	-19°43'	-67.3	-78.3		31.76	2893.5	-0.5 13+00N
		3.30	M	-10.0	-20°22'	-70.0	-78.0		32.74	2853.6	-0.7 14+00
					-19°33'	-104.1	-114.1		31.54	2857.5	

I  
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I  
I  
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N

DATE July 27

19 69

PROSPECT

6.90  
4.87  
2.53

INSTR.

RODMAN B.B.

LINE NO. 38

PAGE 46  
B

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H. I.	AZIMUTH.	ELEV.	STATION
I	0	430	M	-5.0	-20°20'	-140.1	-145.1	-145.2	32.58	2826.2	-0.915700 N
N	CK		M	-5.0	-20°22'	-140.3	-145.3		32.63		
N	CK	2.15	B	-8.0	-19°41'	-136.4	-146.6		31.72		
I	BS	5.10	M	+5.0	+8°40'	-84.4	-71.0	-70.9	14.90		
N	CK		M	+5.0	+8°38'	-84.2	-70.7	2755.3	14.84		
		402	M	-5.0	+1°06'	+49.3	+44.3		12.27	2799.6	16+00
		302	M	-5.0	+4°50'	+25.4	+20.4		8.40	2775.7	17+00
		200	M	-5.0	+3°53'	+13.5	+8.5		6.76	2763.8	18+00
		100	M	-5.0	+3°07'	+5.4	+0.4		5.43	2755.7	19+00
	K	0		-4.5			-4.5			2750.8	20+00
		204	M	-8.1			-8.1			2747.2	22+00
		303	M	-6.0			-6.0			2749.3	23+00
	2.00		M	-7.7			-7.7			2747.6	24+00
	2.53		M	-4.37			-4.4	-4.3		2751.0	25+00
	CK	5.10	M	-5.0	+0°05'	+0.8	-4.2		0.15		
I	BS	4.10	M	+11.0	7°58'	+56.3	+67.3	+67.4	13.73		
N	CK		M	+11.0	-8°00'	+56.5	+67.5	2818.4	13.78		
		310	M	-10.0	-8°49'	-47.0	-57.0		15.15	2761.4	26+00
		205	M	-10.0	-9°10'	-32.2	-42.2		15.73	2776.2	27+00
		100	M	-10.0	-8°10'	-14.1	-24.1		14.06	2794.3	28+00
		0.65	M	-8.5	-7°54'	-8.8	-17.3		13.61		28+34N 37+75N
I	CK		M	-8.5	-7°57'	-8.9	-17.4		13.70	2801.0	
N		0.45	M	-8.5	-6°05'	-6.7	-13.2		10.52	2805.2	28+56N "
I	CK		M	-8.5	-6°02'	-4.7	-13.2		10.45		

5.65  
3.

6.68  
2.50  
4.18

5.5  
2.1  
3.

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		0	-	4.3	—		-4.3			2814.1	29+00 N
		101	M	-5.0	+11°47'	+20.2	+15.2	19.99		2833.6	30+00 N
		202	M	-5.0	+12°32'	+42.8	+37.8	21.18		2856.2	31+00 N
		310	M	-5.0	+13°43'	+71.4	+66.4	23.04		2884.8	32+00
I		4.18	M	-3.0	+140°09'	+99.1	+96.1	+96.0	23.70	2914.4	33+00
N		—	M	-3.0	+140°06'	+98.8	+95.8		23.63	—	—
I		2.05	B	+3.0							—
			T	+5.65							—
I		—	M	+5.0	-5°32'	+25.4	+30.4	+30.5	9.60		—
N		—	M	+5.0	-5°35'	+25.6	+30.6	2944.9	9.68		—
		165	M	-5.0	-7°46'	+22.1	-27.1		13.39	2917.8	34+00
		0.64	M	-6.0	-9°18'	-10.2	-16.2		15.95	2928.7	35+00
		0	—	—	—						—
		0.36	M	-5.05	—		-5.0			2939.9	36+00
	.70	1.40	T	-0.1	—		+0.6			2945.5	37+00
		2.40	M	-5.0	+10°12'	+17.5	+12.5		7.30	2957.4	38+00
		340	M	-3.5	+7°06'	+41.7	+38.2	+38.1	12.27	2983.0	39+00
		—	M	-35	+7°04'	+41.5	+38.0		12.21	—	—
I		300	M	+145	-27°16'	+122.6	+137.1	+137.0	40.72	—	—
N		—	M	+14.5	-27°19'	+122.3	+136.8	3120.0	40.78	—	—
N		185	M	-14.5	-25°19'	-71.5	-86.0		38.66	3034.0	40+00
N		0.80	M	-5.0	-24°43'	-30.4	-35.4		37.98	3084.6	41+00
N		0	—	—	—						—
N		0.26	M	-2.0	+14°27'	+6.3	+4.3		24.16	3124.3	42+00



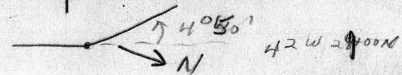
14.90  
13.79  
1.11

4.65  
2.50  
2.15

102° 30'

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
F BS		420	M	+14.0	+14°37'	-102.6	-88.6	-88.4	24.42	3175.4	45+00 N
N CK			M	+14.0	+14°34'	-102.2	-88.2	3087.0	24.34		
		315	M	-8.0	+14°09'	+74.7	+66.7		23.70	3153.7	44+00 N
		210	M	-7.0	+14°24'	+50.6	+43.6		24.09	3130.6	43+00
		102	M	-2.5	+14°58'	+25.4	+22.9		24.95	3109.9	42+00
T		0	-	-5.0	—	—	-5.0			3082.0	41+00
		107	M	-6.0	-22°08'	-37.3	-43.3		34.90	3043.7	40+00
I O	1.11	2.22	M	-14.5	-23°33'	-81.3	-95.8		36.63	2991.2	39+00
N CK			M	-14.5	-23°35'	-81.4	-95.9		36.67		
I BS		215	M	+3.5	+22°57'	-77.2	-73.7	2917.5	35.91		
N CK		—	M	+3.5	+22°54'	-77.1	-73.6		35.85		
		105	M	-4.0	+16°27'	+28.5	+24.5		27.16	2942.0	38+00
T		0	-	-4.5	—	—	-4.5			2913.0	37+00
		103	M	-4.5	-15°24'	-26.4	-30.9		25.60	2886.6	36+00
I O		205	M	-2.0	-12°29'	-43.3	-45.3		21.10	2872.2	35+00
N CK		—	M	-2.0	-12°32'	-43.4	-45.4		21.18		
I BS		205	M	+3.0	+14°44'	-16.8	-13.8	2858.4	8.22		
CK		—	M	+3.0	+14°42'	-16.7	-13.7		8.17		
		102	M	-5.0	+5°21'	+9.6	+4.6		9.37	2863.0	34+00 34+00
T		0	-	-4.3	—	—	-4.3			2854.1	35+00 33+00
		101	M	-5.0	-11°00'	-18.9	-23.9		18.73	2834.5	34+00 32+00
I O		205	M	-8.0	-11°05'	-38.7	-46.7		18.86	2811.7	33+00 31+00
N CK		—	M	-8.0	-11°08'	-38.8	-46.8		18.95		

106.80  
102.30  
4.80



DATE July 27 1969

PROSPECT.....

INSTR.....

RODMAN L.B.

LINE NO. 42

PAGE 50

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
I N	BS.	305	M	+6.5	+10°03'	-52.4	-46.9	-46.9	17.18		31+00
	CK	—	M	+5.5	+10°00'	-52.2	-46.7	2764.9	17.10		31+00
I N		205	M	-5.0	+9°35'	+30.3	+25.3		14.76	2790.2	30+00
		102	M	-5.5	+7°11'	+12.7	+7.2		12.41	2772.6	29+00 Ints. #2
I N	CK	—	M	-5.5	+7°09'	+12.6	+7.1		12.35		29+00
	K	0	—	-4.4	—	—	-4.4				29+00
I N		100	M	-8.5	-7°24'	-12.8	-21.3			2760.5	28+00
		200	M	-5.0	-4°33'	-15.8	-20.8		12.77	2743.6	27+00
I N		300	M	-5.5	-3°10'	-16.6	-22.1		7.91	2744.13	26+00
		400	M	-7.0	-2°19'	-16.2	-23.2		5.52	2742.8	25+00
I N		505	M	-7.0	-1°52'	-16.5	-23.5		4.04	2741.7	24+00
	0	605	M	-8.0	-1°15'	-13.2	-21.2		3.26	2741.4	23+00
I N	CK	—	M	-8.0	-1°19'	-13.7	-21.7		2.18	2743.7	22+00
	BS	405	M	+6.0	-4°38'	+32.6	+38.6	+38.8	2.27		22+00
I N	CK	—	M	+6.0	-4°41'	+33.0	+39.0	2782.5	8.05		22+00
		302	M	-5.0	-5°22'	-28.1	-33.1		9.14		22+00
I N		203	M	-3.0	-6°06'	-21.5	-24.5		9.31	2749.4	21+00
		100	M	-5.0	-6°04'	-10.5	-15.5		10.57	2758.0	20+00
I N	K	0	—	-4.2	—	—	-4.2		10.51	2767.0	19+00
		100	M	-5.0	+9°20'	+16.0	+11.0			2778.2	-0.1 18+00
I N		205	M	-5.0	+12°04'	+41.9	+36.9		16.00	2793.2	-0.3 17+00
		307	M	-3.5	+13°01'	+67.4	+63.9		20.44	2818.9	-0.5 16+00
I N	0	415	M	-3.0	+14°42'	+101.8	+98.8	+99.7	21.94	2845.7	-0.7 15+00
	CK	—	M	-3.0	+14°39'	+101.6	+98.6		24.54	2880.3	-0.9 14+00
								24.47			

DATE July 27 1949 PROSPECT .....

10.91  
5.50  
4.1  
12.25  
8.00  
4.2

INSTR. .... RODMAN L.B.

LINE NO. .... PAGE 51

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
I BS		5.41	M	+6.0	-20°35'	+180.4	+186.4	3066.7	33.35		14+00 N
N CK		—	M	+6.0	-20°58'	+180.4	+186.4		33.41		—
		430	M	-8.0	-20°48'	-142.8	-150.8		33.20	2915.9	13+00
		315	M	-5.0	-20°45'	-104.4	-109.4		33.13	2957.3	12+00
		213	M	-5.0	-20°36'	-70.1	-75.1		32.93	2991.6	11+00
		106	M	-5.0	-20°32'	-34.8	-39.8		32.85	3026.9	10+00
T		0	—	-4.0	—		-4.0			3062.7	9+00
		104	M	-3.0	+18°01'	+30.6	+27.6		29.42	3094.1	-0.2 8+00
		210	M	-5.0	+18°05'	+62.0	+57.0		29.51	3123.3	-0.4 7+00
		315	M	-5.0	+18°01'	+92.7	+87.7		29.42	3153.8	-0.6 6+00
		425	M	-10.0	+17°39'	+124.7	+114.7		29.34	3180.8	-0.8 5+00 N
		528	M	-6.0	+18°01'	+155.3	+149.3	+149.1	29.42	3214.8	-1.0 4+00 N
I CK		—	M	-6.0	+17°58'	+154.9	+148.9		29.34		—
BS.		218	M	+5.5	-16°32'	+59.5	+65.0	3212.9	27.28		—
N CK		—	M	+5.5	-16°35'	+59.6	+65.1	3279.9	27.35		—
		105	M	-5.5	-17°31'	-30.1	-35.6		29.70	3244.3	3+00 N
F		0	—	-4.5	—		-4.5			3275.4	2+00
		105	M	-3.5	+17°36'	+30.2	+26.7		28.82	3306.6	1+00 N
I D		211	M	-5.0	+18°16'	+62.8	+57.8	+57.7	29.76	3337.6	0+00 N
N CK		—	M	-5.0	+18°13'	+62.6	+57.6		29.69		—

DATE July 28 19 69

PROSPECT

INSTR.

RODMAN

H.S.

LINE NO.

4W

PAGE

1Resurvey 14W

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
I N N I	BS	214	M	5.0	-8°18'	+30.6	+35.6		14.28		14W 30+00N
	CK	-	M	5.0	-8°20'						
		0.63	M	5.0	-20°11'	-20.4	-25.4		32.45		13+58W 28+50N
			M	7.2			-7.2				28+00N
		0	-	-	-						
I N I N I	BS	191	M	5.0	+6°40'	+22.0	+17.0		11.53		26+00N
	CK	-	M	5.0	+6°39'						
	BS	910	M	10.0	-6°39'	+10.3	+20.3		1.13		26+00N
	CK	-	M	10.0	-6°42'						
			M	10.0	-0°40'						
	CK	-	-	4.5							18+00N
	CK										14+00N
	BS	401	M	8.00	-20°45'	-17.2	-27.2		4.79		
	CK	-	M	8.00	-2°46'						
	BS	0	45								14+00N
	BS	605	M	6.0	+4°38'	-48.7	-42.7		8.05		
	CK	-	M	6.0	+11°37'						
	CK	0	-	4.5							8+00N
I N I N	CK	830	M	9.0	+13°49'	+13°50'	+183.5	+192.5	23.19		0+00N
	CK	-	M	9.0	+13°48'		+181.2	190.2			
	I.P.	820	M	9.0	+13°51'30"		+183.9	+192.9	23.27		I. P.
	CK	-	M	9.0	+13°50'		+181.8	+190.8			

$$\frac{192.5}{183.5} = 192.9$$



$\frac{1}{2} + L$  add 5' to N + sub. 5' to E.  
 $\frac{1}{2} - L$  sub 5' to N + add 5' to E.

$\frac{3.96}{3.20}$   
 $\frac{3.96}{3.76}$

H.S. 1.7  
 $\frac{3.96}{3.20}$   
 $\frac{3.96}{3.76}$

		1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
+54.6	I	BS	710	M	+5.0	-4°01'	+49.5	+54.5		6.99		0+00 N
	N	CK	—	m	+5.0	-4°02'	+49.8	+54.8		7.02		—
		T	0	—	-5.05	—						7+00 N
+16.6	I	D	700	M	-10.0	+2°12'	+27.3	+17.0	-0.3 to	G.E.	3.84	14+00 N
	N	CK	—	M	-10.0	+2°10'	+26.9	+16.6		3.78		—
-20.3	I	BS	700	m	+5.0	+2°06'	-26.0	-20.7		3.66		14+00 N
	N	CK	—	M	+5.0	+2°05'	-25.8	-20.5		3.63		—
		T	0	—	-4.5	—						21+00 N
-25.7	I	D	900	M	-5.0	-1°19'	-20.9	-25.9		2.30		30+00 N
	N	CK	—	m	-5.0	-1°20'	-21.2	-26.2		2.33		—
		BS	180	M	+3.2	—	+4.0	On stump.				30+00 N
		CK	—	T	+4.1	—	+3					—
		CK	—	B	+2.3	—		on root				—
		BS	—	M	3.96	—		on root				—
		CK	—	T	4.86	—						—
		T	—	—	-5.05	—		-5.1				on 28+20 N.

+0.8  
 $\frac{25.9}{26.7}$

2.63  
1.78  
.85  
T.T.O.  
55  
770

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		600	M	+14.5	-1°52'	+19.6	+34.1		3.26		0+00
CK		—	m	+14.5	-1°54'						—
T		0	M	-5.2	—						6+00
O		800	M	-2.0	+1°27'	+20.2	+18.2		2.53		14+00
CK		—	M	-2.0	+1°25'						—
BS		900	M	+4.0	+1°43'	-27.00	-23.00		3.00		—
CK			M	+4.0	+1°41'						—
T		0	—	-4.55	—						23+00
I N M	351		B	-15.1	—		-18.6		0.58		30+00
CK		702	M	-14.5	-0°20'	-4.1	-18.6		0.58		—
CK			M	-14.5	-0°22'						—
CK			M	-15.0	-0°19'						—
BS			M	+1.78	—		+1.8				30+00
CK	.85	170	T	+2.63	—		+1.8				—
T		0	—	-4.4	—		-4.4				1+90W 28+30N
O		202	M	-9.0	-11°45'	+16.4	+7.4		7.11		0E 28+20N
CK		—	M	-9.0	-11°38'						—
T		0	—	-4.4	—						1+90W 28+30N
O		403	M	-6.0	-3°22'	-23.6	-29.6		5.86		5+84W 29+09N
CK		—	M	-6.0	-3°24'	-23.9	-29.9				—
T			—	-4.9	—						5+84W 29+09N
BS			M	-4.65	—		-4.7				6W 30+00N
CK		191	T	-5.60	—						—
CK			B	3.69	—						—

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
				-4.9							5+84W 28+09N
		332	M	-8.0	-11°53'	-23.4	-31.4		7.05		9+00W
		—	m	-8.0	-4°05'						
I		291	M	+6.5	+10°15'	-51.0	+44.5		17.51		9+00W
N		—	M	+6.5	+10°13'						
N		185	M	-6.0	+10°12'						10+00W 28+28N Ints. B 2
I		—	M	-6.0	+10°13'	+32.3	+26.3		17.46		
		<del>180</del>	—								
I		185	M	-9.0	-10°08'	-32.0	-41.0		17.32		13+58W 28+50N
		—	m	-9.0	-10°10'						
I		0.63	M	-5.5	-19°40'	-20.0	-25.5		31.69		13+58W 28+50N
N		—	m	-5.5	-17°41'	-20.0	-25.5		31.72		
N		—	M	-14.5	-11°22'	-12.2	-26.7		19.32		
N		218	m	+5.0	-8°19'						14W 30+00
I		—	m	+5.0	-8°19'						
I		—	m	+5.0	-8°17'	+31.1	+36.1		14.26		
N		—	m	+5.0	-8°19'						
		0	—								14W 27+85N.
		198	M	+14.0	-9°20'	+31.7	+45.7		16.00		10W 30+00N
		—	m	+14.0	-9°22'	+31.8	+45.8		16.06		
		—	m	-8.48	—		-8.5				10+00W 28+28N
	1.3	0.27	B	-8.35	—						
		—	T	-8.62	—						
		0	—	-4.7	—		-4.7				10W 28N

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PROSPECT

INSTR. A.B

RODMAN R.B.

LINE NO.

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		710	M	-5.0	+1°13'	+15.1	+10.1		2.12		21+00 N
		—	M	-5.0	+1°11'						—
	3.5	705	T	+11.5	—		+9.0				—
			M	+7.94	—		+7.9				—
I		705	M	+10.0	+0°10'	+20.0	+10.0		0.29		—
N		—	M	+10.0	+0°09'						—
		0	—	-4.5	—						14+00
I	710	1400	M	-5.0	+2°45'	+67.1	+62.1		4.79		0+00 X/ 121
N	700		M	-5.0	+2°44'						—
	702		M	-5.0	+2°43'						—
I	710		M	-5.0	+2°44'						—
I		820	M	-5.0	+13°35'	+187.2	+182.2		22.83		1400+00
N		822	M	-5.0	+13°33'						—
		0	—	-4.2	—						8+00 N

6.98  
4.45  
2.53

30.99  
3.75  
1549.5  
27.991  
9.297  
121.4105

32.72  
4.3  
98.16  
130.88  
140.69

14.9  
5.1  
14.9  
7.45  
76.99  
79.4  
67.0  
12.4  
10.9  
1.5

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		313	M	+5.0	+15°28'	-81.2	-76.2		25.95		0+00
		—	M	+5.0	+15°37'	-81.2	-76.2		25.93		—
		0	—	-4.7	—	—	—				3+00
		445	M	-5.0	-16°57' ✓	-124.1	-129.1		27.89		①
		—	M	-5.0	-17°00'	-124.4	-129.4		27.96		—
I		395	M	+4.0	+19°09'	-122.4	-118.4		30.99		—
N		—	M	+4.0	+19°07'	-122.2	-118.2		30.94		—
N		—	M	+4.0	+19°06'	-122.1	-118.1		30.92		—
I		—	M	+4.0	+19°08'	-122.3	-118.3		30.97		—
		0	—	-4.5	—	—	—				11+00 N
I		430	M	-5.0	-20°26'	-140.7	-145.7		32.72		15+00 N
N		—	M	-5.0	-20°28'	-140.9	-145.9		32.76		—
I		510	M	+5.0	+8°39'	-75.8	-70.8		14.87		15+00 N
N		—	M	+5.0	+8°38'	-75.7	-70.7		14.84		—
I		—	M	+5.0	+8°40'	-76.0	-71.0		14.90		—
		0	—	-4.7	—	—	—				20+00 N
		—	M	-4.45	—	—	-4.4				25+00 N
		—	T	-6.98	—	—	—				—
		508	M	-5.0	+0°16'	—	—				—
		412	M	+11.0	-8°00'	+56.8	+67.8		13.78		25+00 N
		—	M	+11.0	-8°03'	+57.1	+68.1		13.87		—
N		68	M	-8.5	-8°14'	-9.6	-18.1		14.17		28+34 N
I		0.68	M	-8.5	-8°13'	-9.6	-18.1		14.14		—
I		0.45	M	-8.5	-8°09' ✓	-5.4	-13.9		12.07		28+56 N
N		—	M	-8.5	-7°01' ✓	—	-13.9				—
		—	M	-13.94	—	—	—				—

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
			-	-4.6	—						29400 38W
		0	-	-4.7	—		-4.7				37+75W 28+56N
I		432	M	-11.0	-3°30'	-26.3	-37.3	6.09			42W
		—	M	-10.0	-3°38'	-27.3	-37.3	6.32			—
		—	M	-11.0	-3°32'						—
		380	M	+10.0	-1.05	+7.2	+17.2	1.89			—
		—	M	+10.0	-1.07						—
		0	-	-4.9	—		-4.9				34W 28.8 20W
		195	M	+12.0	+17.01	-54.6	-42.6	27.99			30+40
		—	M	+12.0	+17.00						—
		404	M	-5.0	-3°09'	-22.2	-27.2	5.49			30W
		—	M	-5.0	-3°10'						—
		0	#	-4.2	—		+4.2				25+55W 23+42W
		243	M	-2.5	+15°30'	+11.1	+8.6	25.75			28 N 26W
		—	M	-2.5	+15°28'						—
		350	M	-5.0	+13°26'	+85.9	+80.9	22.60			22W 5L2
		—	M	-5.0	+13°24'						—
F		187	M	-6.0	-13°59'	-44.0	-50.0	23.42			30 W 22W
N		188	M	-6.0	-14°00'						—
		0	-	-4.5	—		+4.5				22W 7 2



Re-survey Base Line #1

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INSTR. S. Boman RODMAN P. Boman LINE NO. B #1

PAGE 1  
A

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
2.33	BS	3.5	708	B	+6.0	-1°20'	+16.5	+26.0		3000.0	I.P. at 1+00E
							Average = +26.2	3026.2			Assumed elevation
2.38	CK	—	—	B	+6.0	-1°22'	+16.9	+26.4			3000.0
3.72			600	M	-6.0	-2°08'	-22.3	-28.3			0+00E
							Average = -28.5			2997.7	
3.78	CK	—	—	M	-6.0	-2°10'	-22.7	-28.7			
3.92			500	M	-7.0	-2°15'	-19.6	-26.6		2999.6	1+00W
4.07			400	M	-8.5	-2°20'	-16.3	-24.8			2+00W
							Average = -24.9			3001.3	
4.13	CK	—	—	M	-8.5	-2°22'	-16.5	-25.0			
3.60			300	M	-8.0	-2°04'	-10.8	-18.8		3007.4	3+00W
3.49			200	M	-7.0	-2°00'	-7.0	-14.0		3012.2	4+00W
3.86			98	M	-8.5	-2°13'	-3.8	-12.3		3013.9	5+00W
	π		0	—	-4.8	—	—	-4.8		3021.4	6+00W
			100	M	-1.85	—	—	-1.8		3024.4	7+00W
2.38			200	M	-3.0	+1°23'	+4.8	+1.8		3028.0	8+00W
2.56			300	M	-6.5	+1°28'	+7.7	+1.2		3027.4	9+00W
2.04	○		400	M	-6.0	+1°10'	+8.2	+2.2			10+00W
							Average = +2.1			3028.3	
2.01	CK	—	—	M	-6.0	+1°09'	+8.0	+2.0			

# Re-survey Base Line #1

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INSTR S. Boman

RODMAN R. Boman

LINE NO. B#1

PAGE 2  
B

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
4.65	BS	400	M	+6.0	-2°40'	+18.6	+24.6				
						Average	+24.8	3053.1		3028.3	10+00 W
4.71	CK	—	M	+6.0	-2°42'	+18.9	+24.9				
5.31		300	M	-6.5	-3°03'	-15.9	-22.4			3030.7	11+00 W
7.22		200	M	-6.0	-4°09'	-14.4	-20.4			3032.7	12+00 W
10.20		102	M	-6.0	-5°53'	-10.4	-16.4			3036.7	13+00 W
		4	M	-5.33	—	—	-5.3			3047.8	I.P.
	T	0	—	-4.34	—	—	-4.3			3048.8	14+00 W
10.51		103	M	-2.5	+6°04'	+10.8	+8.3			3061.4	15+00 W
15.42		192	M	-6.0	+8°59'	+29.6	+23.6			3076.7	16+00 W
14.54		300	M	-7.0	+8°27'	+43.6	+36.6			3089.7	17+00 W
14.37	⊙	405	M	-13.3	+8°21'	+58.2	+44.9				18+00 W
						Average	+44.9			3098.0	
14.34	CK	—	M	-13.3	+8°20'	+58.1	+44.8				
11.76	BS	203	M	+5.0	-6°48'	+23.9	+28.9				
						Average	+28.9	3126.9			18+00 W
11.70	CK	—	M	+5.0	-6°46'	+23.8	+28.8				
11.45		100	M	-6.5	-6°37'	-11.4	-17.9			3109.0	19+00 W
	T	0	—	-5.1	—	—	-5.1			3121.8	20+00 W
13.81		100	M	-5.0	+8°01'	+13.8	+8.8			3135.7	21+00 W
12.52	⊙	202	M	-5.3	+7°15'	+25.3	+20.0				22+00 W
						Average	+20.0			3146.9	
12.49	CK	—	M	-5.3	+7°14'	+25.2	+19.9				

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INSTR. S. Boman

RODMAN R. Boman

LINE NO. 12#1

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C

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
7.19	BS	402	M	+10.0	-4°08'	+28.9	+38.9				22+00 W
						Average	+38.8	3185.7		3146.9	
7.13	CK	—	M	+10.0	-4°06'	+28.7	+38.7				
7.28		300	M	-6.5	-4°11'	-21.8	-28.3			3157.4	23+00 W
7.22		201	M	-5.0	-4°09'	-14.5	-19.5			3166.2	24+00 W
7.02		100	M	-5.5	-4°02'	-7.0	-12.5			3173.2	25+00 W
	π	0	—	-5.3	—	—	-5.3			3180.4	26+00 W
8.28		101	M	-2.5	+4°46'	+8.4	+5.9			3191.6	27+00 W
7.56		201	M	-5.5	+4°21'	+15.2	+9.7			3195.4	28+00 W
7.48		318	M	-7.0	+4°18'	+23.8	+16.7			3202.4	29+00 W
8.28	⊙	420	M	-4.0	+4°46'	+34.8	+30.8				30+00 W
						Average	+30.6			3216.3	
8.22	CK	—	M	-4.0	+4°44'	+34.5	+30.5				
10.79	BS	388	M	+4.0	-6°14'	+41.9	+45.9				30+00 W
						Average	+46.0	3262.3			
10.85	CK	388	M	+4.0	-6°16'	+42.1	+46.1				
10.79		304	M	-4.5	-6°14'	-32.8	-37.3			3225.0	31+00 W
11.81		200	M	-6.0	-6°50'	-23.6	-29.6			3232.7	32+00 W
11.19		101	M	-4.5	-6°28'	-11.3	-15.8			3246.5	33+00 W
	π	0	—	-4.98	—	—	-5.0			3257.3	34+00 W



Re-survey of base line 1

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INSTR. S.B.

RODMAN R.B.

LINE NO. #1

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B

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
I	BS	708	B	+6.0	-1°20'	+16.5	+26.0		2.33	3000.0	I.P. at 1+00 E
N	CK	354	B	+6.0	-1°22'	+16.9	+26.4	+26.2	2.38		
I		600	M	-6.0	-2°08'	-22.3	-28.3		3.72		0+00 E
N	CK		M	-6.0	-2°10'	-22.7	-28.7	-28.5	3.78		
I		500	M	-7.0	-2°15'	-19.6	-26.6		3.92		1+00 W
I		400	M	-8.5	-2°20'	-16.3	24.8		4.07		2+00 W
N	CK		M	-8.5	-2°22'	-16.5	-25.0	-24.9	4.13		
		300	M	-8.0	-2°04'	-10.8	-18.8		3.60		3+00 W
		200	M	-7.0	-2°00'	-7.0	-14.0		3.49		4+00 W
		0.98	M	-8.5	-2°13'	-3.8	-12.3		3.86		5+00 W
	T	0		-4.8			-4.8				6+00 W
		100	M	-1.85			-1.8				7+00 W
	CK		T	-2.35			-1.9				
I		200	M	-3.0	+1°22'	+4.9	+1.8		2.38		8+00 W
		300	M	-6.5	+1°28'	+7.7	+1.2		2.56		9+00 W
	O	400	M	-6.0	+1°10'	+8.2	+2.2		2.04		10+00 W
	CK		M	-6.0	+1°09'	+8.0	+2.0	+2.1	2.01		
I	BS	480	M	+6.0	-2°40'	+18.6	+24.6		4.65		
N	CK		M	+6.0	-2°42'	+18.9	+24.9	+24.8	4.71		
		300	M	-6.5	3°03'	-15.9	-22.4		5.31		11+00 W
		200	M	-6.0	-4°09'	-14.4	-20.4		7.22		12+00 W
		102	M	-6.0	-5°53'	-10.4	-16.4		10.20		13+00 W
		0.04	M	-5.33			-5.33	-5.34			I.P.

# Resurvey Base Line #1

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 RODMAN R.B.

LINE NO. ....

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B

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
I	$\pi$	0	-	4.37	—	—	-4.37	-4.35			14+00 W
I		103	M	-2.5	+6°04'	+10.8	+8.3		10.51		15+00 W
		192	M	-6.0	+8°59'	+29.6	+23.6		15.42		16+00 W
		300	M	-7.0	+8°27'	+43.6	+36.6		14.54		17+00 W
	0	405	M	-13.0	+8°21'	+58.2	+45.2	-0.3 = +44.9 ✓		14.37	18+00 W
7	OK	—	M	-13.0	+8°20'	+58.1	+45.1	+44.8	14.34		—
I	BS		M	+14.0	-4°07'	+14.5	+28.5		7.16		—
7	N	CK		M	+14.0	-4°09'	+14.7	+28.7	+28.6	7.22	—
N	BS	203	M	+5.0	-6°48'	+23.9	+28.9	-0.3	11.76		To Nail
7	I	CK		M	+5.0	-6°46'	+23.8	+28.8	+28.9 ✓	11.70	—
		100	M	-6.5	-6°37'	-11.4	-17.9		11.45		19+00 H
	$\pi$	0	-	5.1	—	—	-5.1				20+00 H
		100	M	-5.0	+8°01'	+13.8	+8.8		13.81		21+00 H
	0	202	M	-5.5	+7°15'	+25.3	+19.8	+0.2 = +20.0 ✓	12.52		22+00 H
7	CK	—	M	-5.5	+7°14'	+25.2	+19.7	+19.9	12.49		—
I	BS	402	M	+10.0	-4°08'	+28.9	+38.9		7.19		—
7	N	CK		M	+10.0	-4°10'	+29.1	+39.1	+39.0	7.25	—
N	BS		M	+10.0	-4°08'	+28.9	+38.9	+0.2	7.19		To Tie Hub.
7	I	CK		M	+10.0	-4°06'	+28.7	+38.7	+38.8	7.13	—
		300	M	-6.5	-4°11'	+21.8	-28.3		7.28		23+00
		201	M	-5.0	-4°09'	-14.5	-19.5		7.22		24+00
		160	M	-5.5	-4°02'	-7.0	-12.5		7.02		25+00
	$\pi$	0	-	5.3	—	—	-5.3				26+00

Resurvey Base line #1

8.64  
55  
3.18  
9.15  
5.20  
3.95

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B

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		101	M	-2.5	+4°46'	+8.4	+5.9		8.28		27+00 <del>#</del>
		201	M	-5.5	+4°21'	+15.2	+9.7		7.56		28+00 <del>#</del>
		318	M	-7.0	+4°18'	+23.8	+16.7		7.48		29+00 <del>#</del>
	0	420	M	-4.0	+4°46'	+34.8	+30.8		8.28		30+00 <del>#</del>
7	CK	—	M	-4.0	+4°44'	+34.5	+30.5	+30.6	8.22		—
7	BS	388	M	+4.0	-6°14'	+41.9	+45.9		10.79		—
7	CK	—	M	+4.0	-6°16'	+42.1	+46.1	+46.0	10.85		—
		304	M	-4.5	-6°14'	+32.8	-37.3		10.79		31+00 <del>#</del>
		200	M	-6.0	-6°50'	-23.6	-29.6		11.81		32+00 <del>#</del>
		101	M	-4.5	-6°28'	-11.3	-15.8		11.19		33+00 <del>#</del>
	X	0	—	-4.98	—	—	-4.98				34+00 <del>#</del>
		97	M	-3.0	+5°59'	+10.1	+7.1		10.37		35+00 <del>#</del>
		200	M	-5.0	+6°25'	+22.2	+17.2		11.11		36+00 <del>#</del>
		311	M	-4.3	+6°10'	+33.2	+28.9		10.68		37+00 <del>#</del>
	0	409	M	-9.0	+6°20' ✓	+44.8	+35.8		10.96		38+00 <del>#</del>
7	CK	—	M	-9.0	+6°19'	+44.7	+35.7 ✓		10.94		—
7	BS	395	M	+6.5	-5°26'	+37.2	+43.7		9.43		—
7	CK	—	M	+6.5	-5°28'	+37.4	+43.9	+43.8	9.48		—
		300	M	-5.0	-5°15'	+27.3	-32.3		9.11		39+00 <del>#</del>
		199	M	-5.0	-5°12'	-17.9	-22.9		9.03		40+00
		100	M	-5.0	-5°08'	-8.9	-13.9		8.94		41+00
	X	0	—	-4.25	—	—	-4.25				42+00



	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
20.02	BS	288	m	+5.0	-11°48'	+57.7	+62.7	3060.2		2997.5	T.O. water line Swim Lakes
20.07	CK	—	m	+5.0	-11°50'	+57.8	+62.8				
25.25		211	m	-7.0	-15°10'	-53.3	-60.3			2999.9	4E 6+00N
26.18		102	m	-8.0	-15°47'	-26.7	-34.7			3025.5	4E 7+00N
	π	0	—	-5.1	—	—	-5.1			3055.1	4E 8+00N
12.91		102	m	-3.0	+7°29'	+13.2	+10.2			3070.4	4E 9+00N
12.38	0	203	m	-5.0	+7°10'	+25.1	+20.1			3080.3	4E 10+00N
12.32	CK	—	m	-5.0	+7°08'	+25.0	+20.0				
7.59	BS	202	m	+5.0	-4°22'	+15.3	+20.3	3100.6			4E 10+00N
7.62	CK	—	m	+5.0	-4°23'	+15.4	+20.4				
5.37		101	m	-5.0	-3°05'	-5.4	-10.4			3090.2	4E 11+00N
	π	0	—	-5.0	—	—	-5.0			3095.6	4E 12+00N
		102	m	-5.7	—	—	-5.7			3094.9	4E 13+00N
		205	m	-9.0	—	—	-9.0			3091.6	4E 14+00N
		307	m	-6.4	—	—	-6.4			3094.2	4E 15+00N
	0	410	m	-6.76	—	—	-6.8			3093.8	4E 16+00N
	CK	—	T	-8.82	—	+2.05	-6.8				
	CK	—	B	-4.72	—	-2.05	-6.8				

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PAGE

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
7.05	BS	515	M	+6.0	+4°03'	-36.3	-30.3	3063.5			4E 16+00N
7.02	CK	—	M	+6.0	+4°02'	-36.2	-30.2				—
6.88		412	M	-5.0	+3°57'	+28.3	+23.3			3086.8	4E 17+00N
5.37		308	M	-5.0	+3°05'	+16.5	+11.5			3075.0	4E 18+00N
3.02		205	M	-3.0	+1°44'	+6.2	+3.2			3066.7	4E 19+00N
2.76		102	M	-5.0	+1°35'	+2.8	-2.2			3061.3	4E 20+00N
	T	0	—	-4.8	—	—	-4.8			3058.7	4E 21+00N
		105	M	-6.4	—	—	-6.4			3057.1	4E 22+00N
		206	M	-11.2	—	—	-11.2			3052.3	4E 23+00N
1.60		310	M	-12.5	-0°55'	-5.0	-17.5			3046.0	4E 24+00N
3.92	0	416	M	-8.0	-2°15'	-16.3	-24.3			3039.2	4E 25+00N
3.95	CK	—	M	-8.0	-2°16'	-16.4	-24.4				—
10.59	BS	350	M	+11.0	+6°07'	-37.1	-26.1	3013.1			4E 25+00N
10.57	CK	—	M	+11.0	+6°06'	-37.0	-26.0				—
10.48		247	M	-6.0	+6°03'	+25.9	+19.9			3033.0	4E 26+00N
10.28		150	M	-4.0	+5°56'	+15.4	+11.4			3024.5	4E 27+00N
10.85		34	M	-3.5	+6°16'	+3.7	+0.2			3013.3	4E 28+00N
	T	0	—	-4.2	—	—	-4.2			3008.9	4E 28+35N
		58	M	-11.1	—	—	-11.1			3002.0	4E 29+00N
8.11		170	M	-6.0	-4°40'	-13.8	-19.8			2993.3	4E 30+00N
4.88		270	M	-5.0	-2°88'	-13.2	-18.2			2994.9	4E 31+00N
2.36		373	M	-5.0	-1°21'	-8.8	-13.8			2999.3	4E 32+00N
	0	480	M	-10.9	—	—	-10.9			3002.2	4E 33+00N
	CK	240	B	-8.5	—	-2.4	-10.9				—



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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
										3096.2	T.O. 7E 45+00N
8.91	BS	510	M	+4.0	+5°08'	-45.4	-41.4	3054.8			
8.88	CK	—	M	+4.0	+5°07'	-45.3	-41.3				
8.65		408	M	-5.0	+4°59'	+35.3	+30.3			3085.1	7E 44+00N
6.96		308	M	-10.0	+4°00'	+21.4	+11.4			3066.2	7E 43+00N
6.70		206	M	-8.0	+3°51'	+13.8	+5.8			3060.6	7E 42+00N
7.02		100	M	-3.5	+4°02'	+7.0	+3.5			3058.3	7E 41+00N
	T	0	-	-5.1	—	—	-5.1			3049.7	7E 40+00N
13.00		102	M	-6.5	-7°32'	-13.3	-19.8			3035.0	7E 39+00N
10.99		205	M	-5.0	-6°21'	-22.5	-27.5			3027.3	7E 38+00N
7.82		305	M	-5.0	-4°30'	-23.8	-29.8			3026.0	7E 37+00N
6.38		410	M	-6.0	-3°40'	-26.2	-32.2			3022.6	7E 36+00N
6.09	○	510	M	-5.0	-3°30'	-31.1	-36.1			3018.7	7E 35+00N
6.12	CK	—	M	-5.0	-3°31'	-31.2	-36.2				
4.71	BS	305	M	+10.0	+2°42'	-14.4	-4.4	3014.3			7E 35+00N
4.68	CK	—	M	+10.0	+2°41'	-14.3	-4.3				
4.68		200	M	-6.0	+2°41'	+9.4	+3.4			3017.7	7E 34+00N
4.88		100	M	-2.5	+2°48'	+4.9	+2.4			3016.7	7E 33+00N
	T	0	-	-4.9	—	—	-4.9			3009.4	7E 32+00N
		100	M	-11.1	—	—	-11.1			3003.2	7E 31+00N
5.95		192	M	-5.0	-3°25'	-11.4	-16.4			2997.9	7E 30+10N
4.04		303	M	-4.5	-2°19'	-12.2	-16.7			2997.6	7E 29+00N
		358	B	-15.05	—	-1.8	-16.9			2997.4	7E 28+46N
	CK	—	B	-11.5	-1.0	-5.4	-16.9				

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		400	M	-12.68	—	—	-12.7			3001.6	7E 28+00N
	200	—	B	-10.68	—	-2.0	-12.7				
1184		415	M	+6.0	-6°51'	+49.1	+55.1				7E 28+00N
						Average	+55.2	3056.8			
1187		—	M	+6.0	-6°52'	+49.3	+55.3				
1176		310	M	-7.0	-6°48'	-36.5	-43.5			3013.3	7E 27+00N
1173		205	M	-5.0	-6°47'	-24.0	-29.0			3027.8	7E 26+00N
10.91		103	M	-5.0	-6°18'	-11.2	-16.2			3040.6	7E 25+00N
	π	0	—	-4.9	—	—	-4.9			3057.9	7E 24+00N
3.49		103	M	-3.0	+2°00'	+3.6	+0.6			3057.4	7E 23+00N
3.66		205	M	-5.0	+2°06'	+7.5	+2.5			3059.3	7E 22+00N
3.52		309	M	-5.5	+2°01'	+10.9	+5.4			3062.2	7E 21+00N
4.94		415	M	-6.0	+2°50'	+20.5	+14.5			3071.3	7E 20+00N
6.38		513	M	-3.5	+3°40'	+32.7	+27.2			3084.0	7E 19+00N
7.53		620	M	-5.0	+4°20'	+46.7	+41.7			3099.5	7E 18+00N
7.71	0	720	M	-5.0	+4°26'	+55.5	+50.5				7E 17+00N
						Average	+50.4			3107.2	
7.68	α	—	M	-5.0	+4°25'	+55.3	+50.3				

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	½ STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
	BS 205	—	T	+4.72	—	-2.0	+2.7	3109.9			7E 17400N
	CK	411	M	+6.75	+1	-4.11	+2.6				
		306	M	-5.0	+1	+3.1	-1.9			3108.0	7E 16400N
		205	M	-9.45	+1	+2.05	-7.4			3102.5	7E 15400N
		102	M	-6.6	+1	+1.0	-5.6			3104.3	7E 14400N
	T	0	—	-4.9	—	—	-4.9			3105.0	7E 13400N
		103	M	-12.4	—	—	-12.4			3097.5	7E 12400N
10:20		206	M	-6.0	-5°53'	-2.0	-27.0			3082.9	7E 11400N
9:97	0	308	M	-13.5	-5°45'	-30.7	-44.2				7E 10400N
						Average	-44.3			3065.6	
10:02	CK	—	M	-13.5	-5°47'	-30.9	-44.4				
29:27	BS	215	M	+4.0	47°55'	-62.9	-58.9	3006.7			7E 10400N
29:25	CK	—	M	+4.0	47°54'	-62.9	-58.9				
25:15		106	M	-5.0	45°06'	+26.7	+21.7			3028.4	7E 9400N
	T	0	—	-5.15	—	—	-5.2			3001.5	7E 8400N
	0	54	M	-7.22	—	—	-9.2			2997.5	TIE TO W.L. Swim Lakes
	CK	27	—	T	-9.48	—	+0.27	-9.2			
	CK	27	—	B	-8.94	—	-0.27	-9.2			

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
5.08	BS	260	M	+5.0	-2°55'	+13.2	+18.2			2997.5	T.O. water line Swim Lakes
						Average	+18.3	3015.8			
5.14	CK	—	M	+5.0	-2°57'	+13.4	+18.4				
4.65		206	M	-6.0	-2°40'	-9.6	-15.6			3000.2	16E 15+00N
5.02		102	M	-6.5	-2°53'	-5.1	-11.6			3004.2	16E 16+00N
	π	0	—	-4.9	—	—	-4.9			3010.9	16E 17+00N
8.97		101	M	-4.5	+5°10'	+9.1	-4.6			3011.2	16E 18+00N
13.25		205	M	-3.0	+7°41'	+27.2	+24.2			3040.0	16E 19+00N
14.92		310	M	-4.5	+8°41'	+46.2	+41.7			3057.5	16E 20+00N
14.48	⊙	414	M	-6.0	+8°25'	+59.9	+53.9			3069.7	16E 21+00N
14.45	CK	—	M	-6.0	+8°24'	+59.8	+53.8				
	BS	104	M	+13.7	—	—	+13.7	3083.4			16E 21+00N
	CK	52	B	+13.18	—	+0.52	+13.7				
	π	0	—	-4.8	—	—	-4.8			3078.6	16E 22+00N
11.32		103	M	-5.0	-6°33'	-11.7	-16.7			3066.7	16E 23+00N
11.50		207	M	-5.5	-6°39'	-23.8	-29.3			3054.1	16E 24+00N
11.53	⊙	315	M	-8.0	-6°40'	-36.3	-44.3			3039.1	16E 25+00N
						Average	-44.4			3039.0	
11.59	CK	—	M	-8.0	-6°42'	-36.5	-44.5				
12.49	BS	314	M	+5.5	+7°14'	-39.2	-33.7	3005.3			16E 25+00N
12.46	CK	—	M	+5.5	+7°13'	-39.1	-33.6				
11.28		208	M	-5.0	+6°31'	+23.5	+18.5			3023.8	16E 26+00N
11.19		103	M	-5.0	+6°28'	+11.5	+6.5			3011.8	16E 27+00N
	π	0	—	-4.62	—	—	-4.6			3000.7	16E 28+00N



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INSTR.....

RODMAN.....

H.S.LINE NO. 4EPAGE 53

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		412	M	-5.0	+3°57'	+28.3	+23.3		6.89		17+00
		308	M	-5.0	+3°05'	+16.5	+11.5		5.37		18+00
		205	M	-3.0	+1°44'	+6.2	+3.2		3.02		19+00
		102	M	-5.0	+1°35'	+2.8	-2.2		2.76		20+00
T		0	—	-4.8	—	—	-4.8				21+00
		105	M	-4.4	—	—	-6.4				22+00
		206	M	-11.2	—	—	-11.2				23+00
		310	M	-12.5	-1°55'	-10.4	-22.9		3.34		24+00
D		416	M	-8.0	-2°15'	-16.3	-24.3	-24.3	3.92		25+00
CK		—	M	-8.0	-2°16'	-16.4	-24.4		3.95		—
B		350	M	+11.0	+6°07'	-37.1	-26.1	-26.1	10.59		—
		—	M	+11.0	+6°06'	-37.0	-26.0		10.57		—
CK		—									—
		247	M	-6.0	+6°03'	+25.9	+19.9		10.48		26+00
		150	M	-4.0	+5°56'	+15.4	+11.4		10.28		27+00
		34	M	-3.5	+6°16'	+3.7	+0.2		10.85		28+00
T		0	—	-4.2	—	—	-4.2			3008.9	4E 28+35 N
		106	M	-8.15	—	—	-8.1				5+00 E BL 2
		207	M	-9.1	—	—	-9.1				10+00 E BL 2
O			B	-14.2	—	—	-15.7			2997.4	7+00 E BL 2
CK	1.5	300	B	-14.2	—	—	—				—

14.1  
12.6  
1.5

13.3  
8.5  
4.8

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		0	-	-4.2	—		-4.2				INTS.
		58	M	-1/11	—		-11.1				29+00N 4E
		170	M	-6.0	-4°40'	-13.8	-19.8		8.11		30+00N
		270	M	-5.0	-3°12'	-15.1	-20.1		5.58		31+00N Creek
		373	M	-5.0	-1°21'	-8.8	-13.8		2.36		32+00N
D		480	M	-10.9	—		-10.9				33+00N
CK	240		B	-8.5	—	-2.4	-10.9				←
CK			T	-13.3	—	+2.4	-10.9				←
T		0	-	-4.2	—		+4.2				Ints.
		101	M	-3.5	+2°47'	+4.9	+1.4		4.85		3+00E BL 2.
		204	M	-4.0	+4°10'	+14.8	+10.8		7.25		2+00E
I		310	M	-7.0	+3°56'	+21.2	+14.2		6.85		1+00E
CK		309	M	-7.0	+3°57'	+21.3	+14.3	+14.3	6.88		—
N		310	M	-7.0	+3°56'	+21.2	+14.2		6.85		—
BS		104	M	+3.5	+2°53'	-5.2	-1.7		5.02		1+00E
											—
CK		104	M	+3.5	+2°52'	-5.2	-1.7		5.00		—
T		0	-	-5.05	—		-5.1			3020.6	0+00E 28+18N
BS		618	M	+6.0	-4°48'	+51.6	+57.6		8.34		33+00N 4E
	619							+57.8			←
CK		620	M	+6.0	-4°50'	+52.0	+58.0		8.40		—
		515	M	-5.0	-5°30'	-49.1	-54.1		9.54		34+00

9.64  
4.50  
5.14  
07

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS.		288	M	+5.0	-11°48'	+57.7	+62.7	+62.7	20.02	2997.5	4E W.H. Swann L.
CK		—	M	+5.0	-11°50'	+57.8	+62.9		20.07		—
		211	M	-7.0	-15°10'	-53.3	-60.3		25.25		4E 6+00N
		102	M	-8.0	-15°47'	-26.7	-34.7		26.18		7+00N
T		0	—	-5.1	—	—	-5.1				8+00N
		102	M	-3.0	+7°22'	+13.2	+10.2		12.91		9+00N
0		203	M	-5.0	+7°10'	+25.1	+20.1	+20.1	12.39		10+00N
CK		—	M	-5.0	+7°08'	+25.0	+20.0		12.32		—
BS		202	M	+5.0	-4°22'	+15.3	+20.3	+20.3	7.59		10+00N
		—									—
CK		—	M	+5.0	-4°23'	+15.4	+20.4		7.62		—
		101	M	-5.0	-3°05'	-5.4	-10.4		5.37		11+00N
T		0	—	-5.0	—	—	-5.0				12+00N
		102	M	-5.7	—	—	-5.7				13+00
		205	M	-7.0	—	—	-9.0				14+00
		307	M	-6.4	—	—	-6.4				15+00
0			T	-8.82	—	+20.5	-6.8				16+00
CK		410	M	-6.76	—	—	-6.8				—
CK			B	-4.72	—	-2.05	-6.8				—
BS		515	M	+6.0	+4°03'	-36.3	-30.3	-30.3	7.05		16+00
CK		—	M	-6.0	+4°02'	—	—				—
CK			M	+6.0	+4°02'	-36.2	-30.2		7.02		—



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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		510	M	4.0	+5°08'	-45.4	-41.4	-41.4	8.91		45+00N 7E
CK		—	M	4.0	+5°07'	-45.3	-41.3		8.88		
		1108	M	-5.0	+4°59'	+35.3	+30.3		8.65		44+00
		308	M	-10.0	+4°00'	+21.4	+11.4		6.96		43+00
		206	M	-8.0	+3°51'	+13.8	+5.8		6.70		42+00
		100	M	-3.5	+4°02'	+7.0	+3.5		7.02		41+00
X		0	—	-5.1	—	—	-5.1				40+00 M
		102	M	-6.5	-7°32'	-13.3	-19.8		13.00		39+00N
		205	M	5.0	-6°21'	-22.5	-27.5		10.99		38+00N
		305	M	5.0	-4°30'	-23.8	-28.8		7.82		37+00
		410	M	-6.0	-3°40'	-26.2	-32.2		6.38		36+00
O		510	M	-5.0	-3°30'	-31.1	-36.1	-36.1	6.09		35+00
CK		—	M	-5.0	-3°31'	-31.2	-36.2		6.12		—
BS		305	M	10.0	+2°12'	-14.4	-4.4		4.71		35+00
C			M					-4.4			—
CK		—	M	10.0	+2°41'	-14.3	-4.3		4.68		—
		200	M	-6.0	+2°41'	+9.4	+3.4		4.68		34+00
		100	M	-2.5	+2°48'	+4.9	+2.4		4.88		33+00
X		0	—	-4.9	—	—	-4.9				32+00
		100	M	-11.1	—	—	-11.1				31+00
		192	M	-5.0	-3°25'	-11.4	-16.4		5.95		30+10 Late
		303	M	-4.5	-2°19'	-12.2	-16.7		4.04		29+00 "
	1.8	358	B	-15.05	—	-1.8	-16.9			2997.4	7E 27+46 N "
CK	1.8	—	B	-11.5	-1.0	-5.4	-16.9				—
CK		—	M	-14.0	-0°27'	-2.8	-16.8		0.79		—
ck		—	M	-14.0	-0°29'						—

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654  
3.48  
306

8.83  
4.72  
4.11

8.8  
5.2  
20

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
0			M	-12.69	—		-12.7				28+00 N
CK	200	100	T	-14.69	—		-14.7				—
CK			B	-10.69	—						—
BS		415	M	+6.0	-6°51'	+49.1	+55.1	+55.2	11.84		—
CK			M	+6.0	-6°52'	+49.3	+55.3	+55.3	11.87		—
		310	M	+7.0	-6°48'	-36.5	-43.5		11.76		27+00 N
		205	M	-5.0	-6°47'	-24.0	-29.0		11.73		26+00 N
		103	M	-5.0	-6°18'	-11.2	-16.2		10.91		25+00 N
π		0	—	-4.9	—		-4.9				24+00 N
		103	M	-3.0	+2°30'	+3.6	+0.6		3.49		25+00 N
		205	M	-5.0	+2°06'	+7.5	+2.5		3.66		22+00
		309	M	-5.5	+2°01'	+10.9	+5.4		3.52		27+00
		415	M	-6.0	+2°50'	+20.5	+14.5		4.94		20+00
		513	M	-5.5	+3°40'	+32.7	+27.2		6.39		19+00
		620	M	-5.0	+4°20'	+46.7	+41.7		7.53		18+00
0	360	720	M	-5.0	+4°26'	+55.5	+50.5	+50.4	7.71		17+00
CK	362		M	-5.0	+4°25'	+55.3	+50.3		7.68		—
BS	205		T	+4.72	—	-2.0	+2.7	+2.7			—
CK		411	M	+6.75	+1	-4.11	+2.6	+2.6	0.99		—
		306	M	-5.0	+1	+3.1	-1.9				16+00
		205	M	-9.45	+1	+2.05	-7.4				15+00
		102	M	-6.6	+1	+1.0	-5.6				14+00
π		0	M	-4.9	0		-4.9				13+00
		103	M	-12.4	—		-12.4				12+00

+1 = 0°34'

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8.22  
8.94  
-2.8

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		206	M	-6.0	5°58'	-21.0	-27.0		10.20		11+00 E
CK		a	M	-6.0	5°54'	-21.0	-27.0		10.22		————
0		308	M	-13.5	5°45'	-30.7	-44.2	-44.3	9.97		10+00 W
CK			M	-13.5	5°47'	-30.9	-44.4		10.02		————
BS		215	M	+4.0	17°55'	-62.9	-58.9		29.27		————
CK			M	+4.0	17°54'	-62.9	-58.9		29.25		————
		106	M	-5.0	15°06'	+26.7	+21.7		25.15		9+00 N
K		0	-	-5.15	————		-5.2				8+00 N
0			M	9.22	————		-9.2		2997.5		W.K. Swin L.
CK			+	-9.48	————		-9.2				————
CK			B	-8.94	————						————

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H.S.

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PAGE 59

14.22  
2.82  
13.40

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		260	M	+5.0	-2°55'	+13.2	+18.2	+18.3	5.08	2997.5	16E w. Swin L.
CK		263	M	+5.0	-2°57'	+13.4	+18.4		5.14		
		206	M	-6.0	-2°40'	+9.6	-15.6		4.65		15+00 N 16E.
		102	M	-6.5	-2°53'	-5.1	-11.6		5.02		16+00 N
X		0	-	-4.9	-	-	-4.9				17+00 N
		101	M	-4.5	+5°18'	+9.1	-4.6		8.97		18+00 N
		205	M	-3.0	+7°41'	+27.2	+24.2		13.25		19+00
		310	M	-4.5	+8°41'	+46.2	+41.7		14.92		20+00
D		414	M	-6.0	+8°25'	+59.9	+53.9		14.48		21+00 N
CK		-	M	-6.0	+8°24'	+59.8	+53.8	+53.9	14.45		
BS		104	M	+3.7	-	-	+13.7				
CK		-	T	+4.28	-	-					
CK		-	B	-13.18	-	-					
X		0	-	-4.8	-	-	-4.8				
		103	M	-5.0	-6°33'	-11.7	-16.7		11.32		22+00
		207	M	-5.5	-6°39'	-23.8	-29.3		11.50		23+00
D		315	M	-8.0	-6°40"	-36.3	-44.3	-44.4	11.53		24+00
CK		-	M	-8.0	-6°42'	-36.5	-44.5		11.59		25+00
BS		314	M	+5.5	+7°14'	-39.2	-33.7	-33.7	12.49		
CK		-	M	+5.5	+7°13'	-39.1	-33.6		12.46		
		208	M	-5.0	+6°31'	+23.5	+18.5		11.28		26+00
		103	M	-5.0	+6°28'	+11.5	+6.5		11.19		27+00
X		0	-	-4.62	-	-	-4.6			3000.7	28+00 Lake

10.08  
5.93  
4.13

7.18  
1.36  
5.82

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
X		104	M	-7.1	—		-7.1				15+00 E
		205	M	-6.9	—		-6.9				14+00 E
		308	M	-6.8	—		-6.8				13+00 E
⊙			M	-7.98	—	—	-8.0			2997.3	12+00 E Lake S.
CK	2.06	413	T	-10.06	—						—
CK			B	-5.93	—						—
BS			M	+5.75	—		+5.8				12+00 E
CK	102	204	T	+6.77	—						—
CK			B	+4.73	—						—
		103	M	4.3	—		-4.3				11+00 E
π		0	—	-4.6	—		-4.6				10+00 E
⊙			M	-5.68	—		-5.7				7+00 E
CK	1.5	300	B	-4.18	—						—
CK			T	-7.18	—						—
<hr/>											
BS		310	M	-5.5	-6°15'					2997.3	12 E 28+65 N
CK		308	M	5.5	-6°17'						—
		208	M								—

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS			M	+7.62	—		+7.6				28+65N
CK		1640	T	+10.82	—						—
CK			B	+4.42	—						—
		0.34	M	-6.3	—						34+65N 12E
T		0	—	-4.7	—		-4.7				35+00N 12E
		103	M	-3.0	+2°10'	+3.9	+0.9		3.78		36+00
		205	M	-4.0	+2°32'	+9.1	+5.1		4.42		37+00
		308	M	-5.0	+2°33'	+13.7	+8.7		4.44		38+00
		410	M	-6.0	+2°08'	+22.4	+16.4		5.46		39+00
0		815	M	-5.0	+3°03'	+27.3	+22.3	+22.2	5.31		40+00
CK		—	M	-5.0	+3°01'	+27.1	+22.1		5.26		—
BS		205	M	+10.0	-3°04'	+10.9	+20.9	+21.0	5.34		—
CK		—	M	+10.0	-3°06'	+11.1	+21.1		5.40		—
		102	M	-4.0	-4°10'	-7.4	-11.4		7.25		41+00
T		0	—	-5.0	—		-5.0				42+00 1/2 Creek
		102	M	-2.5	+2°47'	+4.9	+2.4		4.85		43+00
		205	M	-3.0	+3°59'	+14.2	+11.2		6.93		44+00
0		308	M	-4.0	+4°58'	+26.6	+22.6	+22.5	8.63		45+00
CK		—	M	-4.0	+4°06'	+26.4	+22.4		8.57		—

$$\begin{array}{r} 10.82 \\ 9.42 \\ \hline 6.40 \end{array}$$

$$\begin{array}{r} .47 \\ 43 \\ \hline 321 \end{array}$$

9.58  
 .56  
 898 448

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		823	M	+5.0	+69°51'	-89.0	-84.0	-83.8	10.82		45+00N
CK		825	M	+5.0	+6°13'	-88.6	-83.6		10.76		—————
		722	M	-7.0	+6°11'	+77.3	+70.3		10.71		44+00
		618	M	-7.0	+5°46'	+61.8	+54.8		10.00		43+00
		510	M	-5.0	+4°44'	+42.7	+37.7		8.37		42+00
		408	M	-4.0	+3°39'	+25.8	+21.8		6.32		41+00
		305	M	-5.0	+2°49'	+15.0	+10.0		4.91		40+00
		202	M	-5.0	+2°40'	+9.4	+4.4		4.65		39+00
		102	M	-5.5	+2°21'	+4.2	-1.3		4.10		38+00
T	0	0	—	-5.0	—	—	-5.0				37+00
0			M	-5.0	—	—	-5.0				28+00N
CK	4.48	895	T	-9.51	—	—					—————
CK			B	-0.56	—	—					—————

520  
115  
405

12°04' = 7°56'

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RODMAN Nerb Strick

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	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
BS		270	M	+4.5	-6°49'	+31.8	+36.3		11.79		28+65N
CK		—	M	+4.5	-6°50'	+31.9	+36.4	+36.4	11.81		—
		205	M	-4.0	-7°07'	-25.2	-29.2		12.29		28+00N
		170	M	-7.0	-7°06'	-20.9	-27.9		12.27		27+65N
		103	M	-6.5	-7°06'	-12.6	-19.1		12.27		27+00N
T		0	—	-6.1	—	—	-5.1				26+00N
		100	m	-6.3	—	—	-6.3				25+00N
		203	m	-10.6	—	—	-10.6				24+00N
		305	M	-8.4	—	—	-8.4				23+00N
⊙			T	-5.2	—	—	—				22+00N
CK		405	m	-3.17	—	—	-3.2				—
PK			B	-1.15	—	—	—				—
BS		305	M	+13.0	-12°09'	+62.8	+75.8		20.58		—
CK		—	M	+13.0	-12°10'	+62.8	+75.8		20.60		—
		204	M	-14.9	-12°07'	-41.9	-56.8		20.52		21+00N
		104	M	-5.0	-12°02'	-21.2	-26.2		20.39		20+00
T		0	—	-4.9	—	—	-4.8				19+00
		100	M	-5.0	+2°55'	+5.1	+0.1		5.08		18+00
⊙		202	M	-10.0	+1°44'	+6.1	-3.9		3.02		17+00
CK		—	M	-10.0	+1°43'	+6.1	-3.9		3.00		—
BS	1.53	305	M	+4.5	+4°53'	-25.9	-11.4		8.48		—
CK		—	M	+4.5	+4°52'	-25.8	-11.3	-11.3	8.45		—
		205	M	-11.0	+5°13'	+18.6	+7.6		9.06		16+00
		103	M	-2.0	+5°27'	+9.7	+7.7		9.46		15+00

B 28  
6.8  
1.2

11.03  
8.5  
2.53

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
		0	-	-4.8	—		-4.8				14+00
		100	M	5.0	-90°31'	-15.8	-20.8		15.81		13+00
		—	M	5.0	-90°41'	-15.8	-20.8		15.84		—
I		2.53	M	+9.0	+18°11'	-74.7	-65.7	-65.7	29.65		—
N		(2.52)	M	+9.0	+18°12'	-74.8	-65.8		29.67		—
		149	M	-4.0	+18°51'	+45.3	+41.3		30.59		12+00N
		38	M	-3.0	+5°36'	+3.7	+0.7		9.71		11+00N
		0	-	—	—		—				—
		0.16	M	-4.7	—		-4.7				10+45N
			B	-2.0	—		—		2997.5		Wk swim L.
		0.25	T	-7.25	—		—				—
			M	7.13	—		-7.1				—

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
8.63	BS	308	M	+4.0	+4°58'	-26.6	-22.6			3070.6	T.O. 12E 45+00N
						Average	-22.5	3048.1			
8.57	CK	—	M	+4.0	+4°56'	-26.4	-22.4				
6.93		205	M	-3.0	+3°59'	+14.2	+11.2			3059.3	12E 44+00N
4.85		102	M	-2.5	+2°47'	+4.9	+2.4			3050.5	12E 43+00N
	T	0	—	-5.0	—	—	-5.0			3043.1	12E 42+00N
7.25		102	M	-4.0	-4°10'	-7.4	-11.4			3036.7	12E 41+00N
5.34	⊙	205	M	-10.0	-3°44'	-10.9	-20.9				12E 40+00N
						Average	+21.0			3027.1	
5.40	CK	—	M	-10.0	-3°06'	+11.1	-21.1				
5.31	BS	515	M	+5.0	+3°03'	-27.3	+22.3				12E 40+00N
						Average	-22.2	3004.9			
5.26	CK	—	M	+5.0	+3°01'	-27.1	-22.1				
5.46		410	M	-6.0	+3°08'	+22.4	+16.4			3021.3	12E 39+00N
4.44		308	M	-5.0	+2°33'	+13.7	+8.7			3013.6	12E 38+00N
4.42		205	M	-4.0	+2°32'	+9.1	+5.1			3010.0	12E 37+00N
3.78		103	M	-3.0	+2°10'	+3.9	+0.9			3005.8	12E 36+00N
	T	0	—	-4.7	—	—	-4.7			3000.2	12E 35+00N
	⊙	640	M	-7.62	—	—	-7.6			2997.3	12E 28+65N
	CK 320	—	T	-0.82	—	+3.2	-7.6				
	CK 320	—	B	-4.42	—	-3.2	-7.6				

	1/2 STAD.	STAD.	HAIR	ROD.	ANGLE.	DIFF.	DIFF. ELEV.	H.I.	AZIMUTH.	ELEV.	STATION
11.81	BS	270	M	+4.5	-6°50'	+31.9	+36.4	3033.7		2997.3	12E 28+65N
11.79	CK	—	m	+4.5	-6°49'	+31.8	+36.3				
12.28		205	M	-4.0	-7°07'	-25.2	-29.2			3004.5	12E 28+00N
12.27		170	M	-7.0	-7°06'	-20.9	-27.9			3005.8	12E 27+65N
12.27		103	M	-6.5	-7°16'	-12.6	-19.1			3014.6	12E 27+00N
	T	0	-	-5.1	—	—	-5.1			3028.6	12E 26+00N
		100	M	-6.3	—	—	-6.3			3027.4	12E 25+00N
		203	M	-10.6	—	—	-10.6			3023.1	12E 24+00N
		305	M	-8.4	—	—	-8.4			3025.3	12E 23+00N
	⊙	405	m	-3.17	—	—	-3.2			3030.5	12E 22+00N
	CK 202	—	B	-1.15	—	-2.02	-3.2				
20.58	BS	305	M	+3.0	-12°09'	+62.8	+75.8	3106.3			12E 22+00N
20.60	CK	—	M	+3.0	-12°10'	+62.8	+75.8				
20.52		204	M	-14.9	-12°07'	-41.9	-56.8			3049.5	12E 21+00N
20.39		104	M	-5.0	-12°02'	-21.2	-26.2			3080.1	12E 20+00N
	T	0	-	-4.8	—	—	-4.8			3101.5	12E 19+00N
5.08		100	M	-5.0	+2°55'	+5.1	+0.1			3106.4	12E 18+00N
3.02	⊙	202	M	-10.0	+1°44'	+6.1	-3.9			3102.4	12E 17+00N
3.00	CK	—	M	-10.0	+1°43'	+6.1	-3.9				

