

STADIA SURVEY NOTES

AREA NPR # A STATE or PROVINCE ALASKA PAGE No. 293
 LINE No.(s) 127 PARTY No. 1195 DATE 19 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR J. SPRAGUE RODMAN G. HAINES WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2																
3																
4																
5	N	2570		89 40					7.6		7.2	1525.2		Δ		
6		✓		270 20					7.4		7.3			CHK		
7		1760	✓						4.5			1520.7			334	
8		880	✓						8.9			1516.3			333	
9		0							5.0			1520.2		τ	332	
10		880		89 10					3.9			1534.1			331	
11	S	1760		89 10					0.8		24.7	1550.0		○	330	FIRST S.F.
12		✓		270 50					0.6		24.8			CHK		
13	N	770		92 40					11.9		47.7	1597.7		Δ		
14		✓		267 20					11.8		47.6			CHK		
15		0							5.0			1590.7		τ		#4 T.S.
16		880		86 53 25					4.0			1641.3				#8 T.S.
17		1760		86 30 68					4.0			1700.8				#12 T.S.
18		2640		86 09 12					4.0			1770.2				#16 T.S.
19		3520		85 50 20					4.0			1848.2				#20 T.S.
20	S	4400		85 22 40					4.0		349.0	1946.7		○		#24 T.S.

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STADIA SURVEY NOTES

AREA NPR #4 STATE or PROVINCE ALASKA PAGE No. 294
 LINE No.(s) 127 PARTY No. 1195 DATE 19 Day 1 Mo. 77 Yr. BOOK No. _____
 SURVEYOR J. SPRAGUE RODMANG. RAINS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲ B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2													1532.5			
3																
4	S	955		88 20						23.5	1508.9			Δ		
5		✓		87 40						23.6				CHK		
6		880		88 10									1532.1		335	
7		0											1503.9		336	
8		880		92 10									1463.8		337	
9		1760		91 20									1453.2		338	
10	N	2640		91 10						65.9			1443.2	0	339	1442.0
11		✓		88 50						65.7				CHK		
12	S	2640	✓				T	10.4			2.7	1440.3		Δ		
13		✓		87 10							2.9			CHK		
14		1760	✓				B	11.2					1420.2		340	
15		880		91 10									1409.8		341	
16		0											1435.3		342	
17		880		87 30									1475.6		343	
18	N	1000		87 30						37.0			1471.3	0		GP 1
19		✓		87 30						37.1				CHK		1474.9
20																

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STADIA SURVEY NOTES

AREA NPR #4 STATE or PROVINCE ALASKA PAGE No. 295
 LINE No.(s) 127 PARTY No. 1195 DATE 19 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR J. SPRAGUE RODMANG. FAINS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadio Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2																
3	S.	2430		9310				13.9		148.1		1625.2		Δ		
4	✓			266.50				13.5		147.9				CHK.		
5		1650		94.00				11.4				1498.9			344	
6		770		9430				12.0				1552.9			345	
7		0.						5.9				1620.2		K		GPA
8		110	✓					3.0				1622.2			346	
9		990		89.10				3.7				1635.9			347	
10	N	1120		88.40				3.6		22.4		1647.8		○	TBM 2708	
11	✓			271.20				3.3		22.6				CHK.		
12												1644.2			TBM 2708	1644.2
13												+ 3.6		TIE		
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA N.P. 4 STATE or PROVINCE ALASKA PAGE No. 296
 LINE No.(s) 122 PARTY No. 195 DATE April Day 20 Mo. 1977 Yr. BOOK No. _____
 SURVEYOR R. DESTALDIS RODMAN Plains WEATHER: Windy Mild P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1			TAKEOFF FROM T.B.M.			27										
2												1644.2				
3																
4		1660		88° 30'				19	-41.5		1602.7					
5				271° 36' 18"				50	-41.5							
6		910		91° 10'				139				1570.3		348		
7	S	30						9'				1593.6		349		
8		0						5°				1597.9				
9	N	850		96° 20'				15°				1494.5		350		
10		1230		95° 20'				11.7				1430.9		351		
11		2610		74° 30'				13.3	-212.4			1385.4		352	1384.7	
12				265° 26' 15"				10°	-217.3						1384.7	
13																
14		1960		87° 18' 15"				12°	-70.6		1314.7					
15				272° 45' 58"				14°	-70.7							
16	S	880		87° 20'				6.4				1349.2		353		
17		0						5°				1309.7		354		
18	N	880		92° 10'				13'				1268.3		355		
19		1430		92° 40'				11.3	-77.8			1236.9		356-3		
20				267° 12' 03"				10.0	-77.8						1236.1	1236.1

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STADIA SURVEY NOTES

AREA N.P.D. #4 STATE or PROVINCE ALASKA PAGE No. 297
 LINE No.(s) 127 PARTY No. 1195 DATE April Day 20 Mo. 1977 Yr. BOOK No. _____
 SURVEYOR R. DESTABLES RODMAN C. Rains WEATHER: windy M, 1d P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		2090		87°02'50"				50		-101.8		1135'		Δ		
3		✓		77°04'34"				100		-101.8				✓		
4		1760		87°10'				48				1217'			856	
5	S	880		87°00'				37				1177.4			357	
6		0						50				1120'			358	
7	N	880		91°10'				150				1102.2			359	
8		1760						120				1122			360	
9		2640		89°28'35"				50	+19.0			1159.2		⊙	361	1153.2
10		✓		77°38'12"				100	+19.1					✓		1153.3
11																
12		990		70°30'02"				150	+23.7			1177.8		Δ		
13		✓		269°13'00"				100	+23.4					✓		
14	S	110						70				1170.8			362	
15		0						50				1172.8			362-1	
16	N	770		91°00'				145				1149.8			363	
17		1100		90°00'				129				1164.9			363-2	
18		1650		89°10'				18				1199.9			364	
19		1760		89°06'20"				50	+22.4			1200.2		⊙	364-1	1199.4
20		✓		271°03'30"				100	+22.4					✓		1199.3

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STADIA SURVEY NOTES

AREA N.P.R. #4 STATE or PROVINCE ALASKA PAGE No. 298
 LINE No.(s) 127 PARTY No. 1185 DATE 20 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR R. DESJARDINS RODMAN C. RAIN WEATHER: 11/16 P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Δ B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		1320		89° 24' 00"				50		-8.8		1191.4		Δ		
3		✓		27° 49' 20"				10		-8.8				✓		
4	S	550						10				1181.0			365	
5		0						50				1186.4			365-3	
6	N	350						123				1179.1			366	
7		660		90° 40'				129				1170.8			366-2	
8		1210		88° 50'				171.2				1214.3			367	
9		2090		86° 40'				4				1308.5			368	
10		2970		85° 44' 27"				50		+214.8		1406.2		0	369	
11		✓		274° 21' 22"				100		+214.8				✓	1405.8	1405.9
12																
13		167		91° 16'				149		+18.3		1424.5		Δ		
14		✓		217° 50'				121		+18.4				✓		
15		0														
16		40						45		-4.5		1420.0		0	T.B.M 07	
17		✓		268° 00'				38		-4.5		1419.8		✓	1419.7	1419.8
18												Tie	0.2	High.		
19																
20																

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STADIA SURVEY NOTES

AREA N.R. #4 STATE or PROVINCE ONTARIO PAGE No. 299
 LINE No.(s) 127 PARTY No. 1195 DATE 2 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR R. Desjardins RODMAN G. Fairs WEATHER: Wind Snow P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲ B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1			TAKEOFF FROM			T.B.M	2707			Elev	1498					
2																
3																
4	2550	2650		85°51'26"				50	-1784		1247'			Δ		
5	✓	✓		274°15'53"				100	-1787					∇		
6		1270		83°57'02" HR. 65				150				1351.2			370	
7		990		86°00'				23				1307.7			371	
8	S	110		86°00'				71				1234.0			372	
9		0						50				1236.1			372-1	
10	N	660		92°10'				130	-42.4			1191.8		○	372-4	
11		✓		266°35'09"				100	-49.3					∇	491.1	1192.1
12																
13		2750		86°27'15"				50	-164.6		1027'			Δ		
14		✓		273°39'27"				100	-164.8					∇		
15		2640		86°40'				48				1175.4			373	
16		1760		87°20'				48				1104.0			374	
17	S	880		87°40'				37				1059.1			375	
18		0						50				1022.1			376	
19	N	880		91°30'				132				990.8			377	
20																

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STADIA SURVEY NOTES

AREA N.P.R. #4 STATE or PROVINCE KANSAS PAGE No. 300
 LINE No.(s) 127 PARTY No. 1195 DATE 21 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR C.D. STARBUIS RODMAN C. Rains WEATHER: Windy Snow P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. ○F.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		1430		91° 54' 30"				140		-61.7		965.5	○	377-3		
3		✓		267° 56' 16"				180		-61.4			✓		964.4	966.8
4																
5		2970		98° 06' 30'				50		-92.8		872.9	△			
6		✓		231° 59' 42'				100		-92.4			✓			
7		2640		98° 00'				117				953.1		378		
8		1760		98° 00'				69				927.3		379		
9	S	880		98° 20'				26				895.9		380		
10		0						50				867.9		381		
11	N	880		90° 40'				129				849.8		382		
12		1760		70° 50'				113				835.9		383		
13		2470					B	58		-18.3		854.8	○	I.B.M.	2706	
14		✓		269° 50'				104		-18.1		857.9	✓		858.2	857.4
15												TIC. 2.4	LOW			
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA N.P.R. #4 STATE or PROVINCE ALASKA PAGE No. 308
 LINE No.(s) 127 PARTY No. 1195 DATE 21 Day April Mo. 1929 Yr. BOOK No. _____
 SURVEYOR P. DESTADIAIS RODMAN S. Boing WEATHER: M.H. P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1			TAKEOFF			FROM T.B.M.					Elev	557.7			
2															
3		1970		87°54'34"					5°	-66.7		720.4			
4		✓		27°14'45"					10°	-66.8					
5		1760		88°20'					17			840.3		384	
6	S	880		98°40'					38			807.3		385	
7		0							50			785.4		386	
8	N	880				B	112					775.0		387	
9		1760				B	105					771.2		388	
10		2640		90°24'41"					14°	-33.1		757.5		389	758.3
11		✓		269°30'11"					10°	-33.1					
12															
13		1760		89°53'57"					10°	+7.0		764.5			
14		✓		270°15'49"					16°	+7.0					
15	S	880				T	46					764.3		390	
16		0							5°			759.5		391	
17	N	880							14.7			749.8		392	
18		1760				B	103					745.3		393	
19		2140		90°20'					13.7	-29.2		735.3		394	736.9
20		✓		267°35'15"					10°	-29.2					

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AREA N.A.R. #4 STATE or PROVINCE _____ PAGE No. 302
 LINE No.(s) 123 PARTY No. 1195 DATE _____ Day _____ Mo. _____ Yr. BOOK No. _____
 SURVEYOR R. DESTARLAIS RODMAN G. REINS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																
2		2310		89° 18' 10"				10°		-18°		717.4		Δ		
3		v		77° 46' 18"				13°		-10°				v		
4		1430		89° 18' 23"				5°				729.2			395	
5	S	550		89° 30'				2°				719.3			396	
6		0						5°				712.4			396-3	
7	N	330	/					145°				702.9			397	
8		1210		90° 40'				13°				689.5			398	
9		2090		91° 10'				10°				664.2			399	
10		2970		90° 51' 44"				13°		-57.9		659.5	○		400	662.1
11		v		269° 04' 48"				10°		-57.9				v		
12																
13		2640		89° 32' 55"				5°		-14.9		644.3		Δ		
14		v		77° 33' 12"				10°		-15'				v		
15		1760		89° 30'				6°				653.1			401	
16	S	880		89° 30'				2°				649.3			402	
17		0						5°				639.3			403	
18	N	880	/					12°				631.4			404	
19		1760	/					12°				631.4			405	
20																

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STADIA SURVEY NOTES

AREA NRP #4 STATE or PROVINCE DACOTA PAGE No. 303
 LINE No.(s) 127 PARTY No. 1195 DATE 22 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR E. DESTARINIO RODMAN G. E. LINS WEATHER: Very Windy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2		2600				B	32			-16.5		628.1	Q	406	631.7
3		✓		269°50'						-16.3			✓		
4															
5		1460	/							+4.4		632.4	Δ		
6		✓		270°03'42"						+4.4					
7	S	880	/									624.1		407	
8		0										627.4		408	
9	N	880	/									627.0		409	
10		1430	/									620.0		409-3	
11		1760		88°40'								668.8		410	
12		2320		88°32'53"						+53.7		686.3	Q		690.6
13				271°35'41"								690.4			
14												Trd 4.3	Low		
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA N.P.R. #4 STATE or PROVINCE ALASKA PAGE No. 304
 LINE No. (s) 127 PARTY No. 1195 DATE 23 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR E. DESTAHLAID RODMAN B. Benedict WEATHER: Wind Mild P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1			TAKEOFF FROM			T.B.M. 2705				Elev		690.6				
2																
3		2080		20°53'42"					18°	+46.4		737°				
4		v		263°00'16"					10°	+46.4						
5		1760		91°10'					105				690.6		411	
6		S 880		91°30'					148				699.2		412	
7		0							5°				732°		413	
8		N 880		89°10'41"					5°	+7.6			744.6	⊙	414	744.4
9		v		27°08'17"					10°	+7.5				v		
10																
11		1760		89°15'52"					10°	+12.5		732°		Δ		
12		v		270°48'12"					12°	-12.5				v		
13		S 880		89°26'					2.2				740°		415	
14		0							5°				727°		416	
15		N 880					8	12.2					715.4		417	
16		1760		90°25'05"					19°	-26.9			705.2	⊙	418	704.8
17		v		219°27'29"					10°	-26.8				v		
18																
19		2640		89°28'25"					5°	-22.7		682.4		Δ		
20		v		276°43'06"					10°	-22.8				v		

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STADIA SURVEY NOTES

AREA N.P.R #4 STATE or PROVINCE ALASKA PAGE No. 305
 LINE No.(s) 127 PARTY No. 1195 DATE 23 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR P. DESTARLAIS RODMAN B. Benedict WEATHER: Wind Very Mild P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												682.4				
2		1760		89°30'				22					695.5		419	
3	S	880						16					670.0		420	
4		0						50					677.4		421	
5	N	820		89°20'				08					691.8		422	
6		1760		89°20'				14					701.4		423	
7		2090		88°12'20"				50	+60.3				742.8	0	423-3	742.0
8	V			271°56'08"				10	+60.9					✓		
9																
10		2640		91°10'				139	+67.8			810.4		Δ		
11				268°45'18"				10	+67.6							
12		2090		91°35'50"				15					737.0		424	
13		1540		91°10'				129					766.1		424-3	
14		1210		91°20'				120					770.2		425	
15		660		92°00'				123					774.7		425-3	
16	S	320		90°30'				143					793.3		426	
17		0											805.4		426-2	
18	N	550		91°30'				139					782.1		427	
19		1100		89°10'				49					821.5		427-3	
20		1430		89°10'				43							428	

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STADIA SURVEY NOTES

AREA N.P.R. #4 STATE or PROVINCE ALASKA PAGE No. 306
 LINE No.(s) 127 PARTY No. 1195 DATE 23 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR C. DESTIMLER'S RODMAN B. Benedict WEATHER: Very Mild P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. ○F.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		1430		89° 14' 53"				10 0		17.9			818.3	○	428	817.3
3		∇		270° 50' 36"				13 0		17.9				∇		
4																
5		2640		91° 20'				12 6		175.1		893.3		△		
6		∇		268° 35' 34"				10 0		175.0				∇		
7		2310		91° 30'				13 4					819.4		428-2	
8		1760		91° 20'				13 5					838.8		429	
9	S	880		91° 00'				13 4					864.4		430	
10		∇						5 0					888.3		431	
11	N	880		89° 50'				6 3					920.3		432	
12		1760		87° 50'				2 3					956.5		433	
13		2640		87° 34' 19"				5 0		1106.4			1000.1	○	434	998.7
14		∇		272° 32' 20"				10 0		1106.7				∇		
15																
16		1430		95° 23' 51"				13 0		1147.0		1146.9		△		
17		∇		268° 29' 26"				10 0		1146.8				∇		
18	S	550		96° 20'				12 0					1074.4		435	
19		∇						5 0					1141.9		435-2	
20	N	230		91° 00'				2 5					1195.4		436	

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STADIA SURVEY NOTES

AREA NPR²⁴ STATE or PROVINCE HAWAII PAGE No. 307
 LINE No.(s) 127 PARTY No. 1195 DATE 23 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR C. DEETARLOIS RODMAN B. Benedict WEATHER: Windy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2		880		78°50'				24	+164.8			1311.6	○	436-3	
3				281°20'37"				50	+164.7				✓		1315.7 1314.1
4															
5		790		98°50'				15°	+139.9		1446.4		△		
6				20°48'32"				10°	+139.7				✓		
7	S	460		99°20'				18.8				1358.9		437	
8		0						5°				1441.4			
9	N	420		83°50'				4.7				1486.5		438	
10		625		82°48'50"				5°	+73.4			1519.8	○		1526.1
11				277°27'28"				7°	+73.4						1524.4
12															
13	S	350		84°56'57"				5°	-25.7		1494.1		△		
14				275°23'18"				7°	-25.7						
15		0						8°				1489.1		438-3	
16	N	330		96°40'				14.2				1441.8		439	
17		1210		95°20'				13.7				1368.4		440	
18		1540		94°50'				13.8	-143.1			1351.0	○	440-2	
19				265°01'46"				10°	-143.1				✓		1356.7 1354.9
20															

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STADIA SURVEY NOTES

AREA N.P.P #4 STATE or PROVINCE ALASKA PAGE No. 308
 LINE No.(s) 127 PARTY No. 1195 DATE 23 Day April Mo. Yr. BOOK No.
 SURVEYOR P. DESTARAKIS RODMAN B. Benedict WEATHER: Very Mild P.T.S. No.

LINE	Bearing of Sight	Stadio Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2		2310		87°38'08"				50		-90.1		1261.7		441	
3		✓		87°29'26"				100		-89.9				442	
4		1760		87°54'32"				150					1279.3	443	
5	S	880		87°50'19"				150					1255.2	443	
6		0						50					1237.3	443-2	
7	N	330		91°40'				143					1255.5	444	1260.7
8		880						57		-57				444	
9		✓		269°53'46"				40		-57					1258.7
10															
11		3190		88°34'58"				50		-73.7		1181.4		444-3	
12		✓		271°30'51"				100		-73.9				445	
13		2640					T	129					1181.8	445-3	
14		2310					B	51					1164.8	446	
15		1430		91°00'				122					1155.4	447	
16	S	550		91°10'				148					1176.4	447-3	
17		0						50					1154.4	448	
18	N	330		92°20'				138					1084.5	449	
19		1210		94°00'				129							
20															

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STADIA SURVEY NOTES

AREA N.P.B #4 STATE or PROVINCE ALASKA PAGE No. 309
 LINE No.(s) 127 PARTY No. 1195 DATE 23 Day April Mo. 1977 Yr. BOOK No.
 SURVEYOR P. Desjardis RODMAN B. Benedict WEATHER: Very Mild P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		1980		94° 00'				136	-151.5			1030.2	⊙	449-4		
3		✓		265° 54' 00"				10°	-157.4				✓		1035.1	1032.7
4																
5		1320				B	14'		+20.7		1021.0		△			
6		✓		269° 40'				131	+20.8				✓			
7		1210		90° 40'				119				1025.0		450		
8	S	330		92° 00'				144				1025.1		451		
9		0						50				1046.0		451.2		
10	N	550		0				113				1039.7		452		
11		1430		98° 47' 10"				50				1076.2		453		
12		2080		88° 41' 04"				50	+42.7			1093.6	⊙	1.8m	2703	
13		✓		271° 27' 04"				10°	+42.4			1095.9	✓		1098.5	1095.9
14												Tree	23	Low	2.6	
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA N.P.R.#4 STATE or PROVINCE ALASKA PAGE No. 310
 LINE No.(s) 127 PARTY No. 1195 DATE 23 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR P. Desjarlais RODMAN B. Benedict WEATHER: Very Mild P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1			TAKEOFF FROM			T.B.M	270			3.66		1095.9				
2																
3		110		87° 19' 38"					6°	-45.4		1050.2		Δ		
4		✓		77° 52' 50"					10°	-45.7				✓		
5	S	880		87° 10'					3.9			1089.7			454	
6		0							5°			1095.2			455	
7	N	880		91° 20'					14.2			1013.0			456	
8		1210		92° 09' 07"					14°	-59.4		990.8		○	456-2	✓
9		✓		77° 39' 36"					10°	-59.4				✓		
10																
11		1420		86° 52' 45"					5°	-72.7		918.2		Δ		
12		✓		77° 19' 08"					10°	-72.6				✓		
13		880		88° 00'					4.9			943.9			457	
14	S	550		89° 30'					3.4			919.5			457-2	
15		0							5°			913.2			458	
16	N	880		92° 00'					12.6			874.8			459	
17		1760		92° 10'					13.3	-75.9		838.3		○	460	✓
18		✓		77° 43' 30"					10°	-79.8				✓		
19																
20																

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STADIA SURVEY NOTES

AREA N.R. #4 STATE or PROVINCE ALASKA PAGE No. 311
 LINE No.(s) 127 PARTY No. 1195 DATE 25/24 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR P. DEWARAKIS RODMAN B. Benedict WEATHER: Very Mild P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2		1760	✓					128	+14.9			853.2			
3				76°50'37"				10°	+14.9						
4		1210		91°10'				149				813.6		460-3	
5	S	880		92°20'				150				802.4		461	
6	S	0						50				848.2		462	
7	N	330	✓					124				840.8		462-2	
8		880	✓					37	-37			849.5	○	463	849.4
9				87°05'14"				50	-37						
10															
11		1870	✓	88°12'50"				50	-53.2			796.2			
12				87°56'40"				100	-53.3						
13		990		88°40'				35				815.7		464	
14	S	110	✓					50				791.2		465	
15		0						50				791.2		465-1	
16	N	770		95°00'				133				716.0		466	
17		1650		91°50'				105				732.9		467	
18		2530		90°40'				131	-42.7			753.6	○	468	-753.5
19			✓	76°15'52"				100	-42.4						
20															

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STADIA SURVEY NOTES

AREA N.P.R. # 9 STATE or PROVINCE ALASKA PAGE No. 312
 LINE No.(s) 127 PARTY No. 1195 DATE 24 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR P. DESJARLAIS RODMAN B. Benedict WEATHER: Windy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2		1430		93° 40'				118	+103'			856.7		△	
3		V		266° 15' 28"				100	-103.2					∇	
4	S	550		93° 00'				119				816.1		469	
5		0						50				857.7		469-3	
6	N	330						80				848.7		470	
7		670		88° 36' 40"				50	+11.2			868.0		○	867.9
8		V		271° 36' 44"				86	-11.2					∇	
9															
10		2300		88° 35' 00"				50	-57.7			816.2		△	
11		V		271° 32' 28"				100	-57.8					∇	
12		1760		89° 00'				18				845.0		471	
13	S	880						87				807.5		472	
14		0						50				811.2		473	
15	N	330		90° 40'				142	-18°			798.2		○	473-2 798.1
16		V		268° 36' 52"				100	-18°					∇	
17															
18		2310		84° 12' 41"				50	-226.7			571.4		△	
19		V		275° 55' 12"				100	-226.8					∇	
20		1760		86° 00'				33				690.5		474	

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STADIA SURVEY NOTES

AREA N.P.R.#4 STATE or PROVINCE ALASKA PAGE No. 313
 LINE No.(s) 127 PARTY No. 1195 DATE 24 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR R. DESTARLAIN RODMAN B. Benedict WEATHER: Wind Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2	S	880		87°00'					52				612.2		475	
3		0							50				566.4		476	
4	N	880		91°30'					126				534.7		477	
5		1760		91°40'					112				508.9		478	
6		2640		91°22'12"					140	-77.2			494.3	0	479	493.0
7		V		269°38'10"					100	-77.0				✓		492.8
8																
9		1760	/						27	+3.0		497.2		Δ		
10		V		270°04'32"					50	+2.8				✓		
11	S	880	/						97				487.5		480	
12		0							50				482.2		481	
13	N	880		86°20'					40				548.3		482	
14		1760		85°10'					26				642.4		483	
15		2310		85°60'					48				692.8		483-3	
16		2640		84°40'48"					50	+238.6			735.8	0	484	735.5
17		V		275°26'41"					100	+238.7				✓		735.3
18																
19	S	330		92°41'19"					140	+29.5		765.3		Δ		
20		V		266°47'44"					110	+29.4				✓		

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STADIA SURVEY NOTES

AREA N. P. 24 STATE or PROVINCE ALASKA PAGE No. 314
 LINE No. (s) 127 PARTY No. 195 DATE 24 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR R. DE MARLAIS RODMAN B. Benedict WEATHER: M.I.C. P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		0							5°				760.3		484-2	
3	N	560		92°00'					14°	-33.8			731.5	⊙	485	731.2
4		V		267°31'28"					10°	-33.8				✓		731.0
5																
6		2640		81°02'22"					5°	-176.8		554.4		△		
7		V		274°04'28"					16°	-176.9				✓		
8		1760		86°20'					49				662.0		486	
9	S	880		86°36'					61				602.2		487	
10		0							50				549.4		488	
11	N	880		72°00'					135				510.5		489	
12		1760		92°30'					117				466.2		490	
13		2640		92°02'15"					130	-110.8			443.9	⊙	491	443.1
14		V		267°49'02"					10°	-110.7				✓		442.8
15																
16		2640		88°46'29"					5°	-51.3		392.3		⊙		
17		V		271°20'02"					10°	-51.4				✓		
18		2310											393.4		491-2	
19		1760											388.0		492	
20	S	880											388.3		493	

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STADIA SURVEY NOTES

AREA N.P.R. #4 STATE or PROVINCE ALASKA PAGE No. 315
 LINE No.(s) 127 PARTY No. 1195 DATE 25 Day April Mo. 1977 Yr. BOOK No.
 SURVEYOR P. DESTARLATS RODMAN B. Benedict WEATHER: Cloudy P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2		0							50				387.3	494	
3	N 550								72				385.1	494-3	
4		770		87°50'					34				418.0	494-4	1760' spread
5		1210		86°10'					57				467.3	494-6	
6		1760		85°34'30"					50				522.7	495	
7		2090		85°24'07"					50	+161.9			554.4	495-2	
8		✓		77°44'45"					100	+162.1				✓	554.1 553.8
9															
10		1320		74°30'					130	+116.3		670.6		Δ	
11		✓		245°22'35"					100	+116.2				✓	
12	S 490			96°00'					128				612.7	495-6	
13		0							50				665.4	495-8	
14	N 110								69				663.7	496	
15		800							128	-12.8			657.8	496-4	
16		✓		269°49'27"					100	-12.8				✓	657.9 657.6
17															
18		2750		98°45'08"					50	-54.7		602.9		Δ	
19		✓		271°21'40"					100	-54.9					
20		1760		89°20'					60				617.3	497	

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STADIA SURVEY NOTES

AREA NPR 44 STATE or PROVINCE ALASKA PAGE No. 316
 LINE No.(s) 127 PARTY No. 1195 DATE 25 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR P. DESTARLAIS RODMAN B. Benedict WEATHER: Very Windy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2	S	990		70°40'					15°			576.4		497-5		
3		0							5°			597.9		498		
4	N	990		88°30'29"					15°	+10.7		613.7	⊙	498-5		
5		V		77°30'03"					15°	+10.8			✓	613.8	613.4	
6																
7		2530		91°08'27"					14°	+60.8		674.4		Δ		
8		V		76°51'37"					10°	+60.6				✓		
9	S	1760		92°10'					11.2			596.4		499		
10		D							-5°			669.4		600		
11		550					8	19°		-16.8		657.7	⊙	TS 3		
12		V		269°20'					13.5	-16.7			✓	657.7	667.3	
13																
14		220		89°00'					4'	+10.3		657.9		Δ		
15		V		271°15'00"					8°	+10.2				✓		
16		0							5°			652.9		TS 4		
17		2080		92°00'					13'	-85.7		572.4	⊙	325-127		
18		V		267°55'40"					10°	-85.5		572.0	✓	572.0	572.0	
19												TR 0.4		High.		
20																

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STADIA SURVEY NOTES

AREA N.P.P.#4 STATE or PROVINCE ALASKA PAGE No. 317
 LINE No.(s) 127 PARTY No. 1195 DATE 25 Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR P. DESTARCAIS RODMAN B. Benedict WEATHER: Very Windy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		880		91° 18'								625.7		T.S.	8	
3		1760				B	77					641.3		T.S.	12	
4		2640				F	49					666.0		T.S.	16	
5		3520		89° 11' 16"								702.5		T.S.	20	
6		4400		89° 12' 69"	H.R.	6.5		21.5				697.2	0	T.S.	24	
7																
8																
9																
10																
11																
12																
13																
14																
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16																
17																
18																
19																
20																

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____