

STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Alaska PAGE No. 5
 LINE No.(s) 30 PARTY No. 186 DATE 8 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN 1806 WEATHER: White out & windy 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	West	1890		90-00		C					+07	738					Flat to the West	
3		0		—		—					-54		68.4				Profile of T.S.	
4	East	1670		90-00		C					-96		64.2					
5																		
6	West	1400		90-00		C					+23	66.5						
7		0		—		—					-54		61.1					
8	East	700		90-00		C					-43		62.2				SP-319 Last hole drilled	
9																		
10	West	760		90-00		C					+149	77.1						
11		0		—		—					-54		71.7					
12	East	560		90-00		C					-133		63.3				SP-318	
13																		
14	West	1820		90-00		C					+32	67.0						
15		0		—		—					-54		61.6				SP-317	
16		0		—		—					-54							
17	East	990		90-00		T		+5.0			+1.7		68.7				SP-316	
18																		
19	West	1185		90-00		T		-5.3			+04	69.1						
20		0		—		—					-54		63.7				315	

TI-5888

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ADL

CHECKED BY 1st

RD

2nd

STADIA SURVEY NOTES

AREA N.A.R.-1 STATE or PROVINCE Alaska PAGE No. 53
 LINE No.(s) 30 PARTY No. 186 DATE 8 Day 5 Mo. 25 Yr. BOOK No.
 SURVEYOR D. Young RODMAN 1306 WEATHER: Fair Bad P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																
2	West	2640		90°00		T	-13.2		9.2	-4.0	62.9	66.9	Δ			
3		1320		90°00		C			1.9	-1.9		61.0		302		
4		0				-			5.4	-5.4		57.5		301		
5		1320		90°00		C			5.4	-5.4		57.5		300		
6	East	2640		90°00		C			5.4	-5.4		57.5	⊙	299		
7																
8	West	2640		90°00		C			9.7	+9.7	67.2		Δ			
9		1320		90°00		C			6.2	-6.2		61.0		298		
10		0				-			5.4	-5.4		61.8		297		
11		1320		90°00		C			0.2	-0.2		67.0		296		
12	East	1980		89°35'50"		C			1.0	+12.9		70.1	⊙			
13																
14		2970		90°00		C			3.5	+3.5	83.6		Δ			
15		2310		90°00		C			9.5	-9.5		74.1		295		
16		990		90°00		C			6.8	-6.8		76.8		294		
17		0				-			5.4	-5.4		78.2		2		
18		330		90°54'09"		C			4.0	-9.2		73.4		293		
19		1650		90°45'47"		C			4.0	-26.0		57.0		292		
20	East	2970		90°14'40"		C			6.9	-19.4		64.0	⊙	291		Inter section 54/30

Work Elev. back to END of line

TI-568B
 WORKED BY MDC CHECKED BY 1st 20 see page 48 Line 54 Date 7/20/77
 2nd Target 69 above ground Shot on target

STADIA SURVEY NOTES

AREA N.P.R. 4 STATE or PROVINCE Alaska PAGE No. 52
 LINE No.(s) 30 PARTY No. 186 DATE 8 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Bob WEATHER: in & out of full sun conditions 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												69.1				
2	East	1110		90°00		C			5.9		-59	63.2	0	SP-	314	
3																
4	West	1320		90°00		T		-6.6	10.2		+3.6	66.8		Δ		
5		0		—		—			5.4		-54	61.4		SP-	313	
6		1320		90°00		C			7.7		-77	59.1		SP-	312	
7	East	2640		89°45-00		C			2.0		+25	76.3	0	SP-	311	
8																
9	West	2640		90°00		T		-12.2	18.6		+07	76.7		Δ		
10		1320		89°51-04		C			3.0		+04	77.1			310	
11		0		—		—			5.4		-54	71.3			309	
12		1320		90°16-45		C			4.0		-104	66.3			308	
13	East	2640		90°00		C			10.1		-101	66.6	0		307	
14																
15	West	2740		90°00		C			3.4		+34	70.0		Δ		
16		1620		90°00		C			5.7		-57	64.3			306	
17		300		90°00		C			5.4		-54	64.6			305	
18		1020		—		—			5.4		-54	64.6				
19		1020		90°00		C			4.3		-43	65.7			304	
20	East	2340		90°00		C			3.1		-31	66.9	0		303	

TI-558B

WORKED BY MDC CHECKED BY 1st P.D. 2nd _____

STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Alaska. PAGE No. 54
 LINE No.(s) 30 PARTY No. 186 DATE 9 Day 5 Mo. 25 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN B. G. WEATHER: Clear Windy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1																
2	West	1815		89.47.40		C		6.9	-6.5	40.4	64.4	64.9	A			
3		495		92.00.10		C		15.0	-32.3		32.1			290		N. River bed.
4		0.825		—		—		5.4	-5.4		59.0					
5	East	915		90.00		C		9.0	-9.0		58.4			289		
6	East	2145		90.00		C		8.7	-8.7		55.7		⊙	288		
7																
8	West	1980		90.0.0		B		+9.7	+22.1		77.0		A			
9		66.420		90.0.0		C		11.8	-11.8		66.0			287		
10		0		—		—		5.4	-5.4		72.4			2		
11		660		90.0.0		B		-3.3	-14.2		60.6			286		
12	East	1980		90.0.0		B		-9.9	-15.2		62.6		⊙	285		
13																
14	West	2640		90.0.0		B		+13.2	+21.0		83.6		A			
15		1820		90.1.0		B		+6.6	-20.8		62.8			284		
16		0		—		—		5.4	-5.4		78.2			283		
17	East	1120		90.0.0		T		+6.6	-1.4		82.0		⊙	282		
18																
19	West	1320		90.0.0		C		1.2	+1.2		83.2		A			
20		0		—		—		5.4	-5.4		77.8			281		

TI-588B

 WORKED BY MD

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STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE Alaska PAGE No. 55
 LINE No.(s) 30 PARTY No. 186 DATE 9 Day 5 Mo. 75 Yr. BOOK No.
 SURVEYOR 12. YOUNG RODMAN Bob WEATHER: off on black out 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	Correction	Center Hair			INST.	ROD			
1												83.2				
2		1320		90.00		C			10.7		-10.7	72.5		280		
3	East	2640		90.00		C			9.7		-9.7	73.5	Q	279		
4																
5	West	2640		90.23.34		C			15.0	+18.1	+33.1	106.6		A		
6		1320		90.33.17		C			15.0		-27.8	72.3		278		
7		0		—		—			5.7		-5.4	101.2		277		
8		1320		90.00		C			3.0		-3.0	103.6		276		
9	East	1485		90.00		C			3.5	To ground		103.1	Q			Target 30.275+115 Top of Target is 5.
10																
11	West	2800		90.00		T		14.0	2.8		-11.2	91.9		A		
12	83	1660		90.07.06		C			15.0		-10.7	73.5		275		
13		350		90.33.29		C			15.0		-10.7	73.5		274		
14		0		—		—			5.4		-5.4	86.5				
15		970		90.00		C			0.7		-0.7	91.2		273		
16	East	1305		90.00		T		16.5	3.9		+2.4	94.5	Q			Target 30.275+115
17																
18	West	800		90.00		T		4.0	2.6		-1.7	91.1		A		
19		0		—		—			5.3		-5.3	87.8				Intersection 30 E 57.53
20	North	635		90.00		B		-3.2	13.3		-16.5	76.6				SP. 16.1.53 Target is 5.

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STADIA SURVEY NOTES

AREA N.P.R. 4 STATE or PROVINCE Alaska PAGE No. 56
 LINE No.(s) 30 PARTY No. 18C DATE 9 Day 5 Mo. 75 Yr. BOOK No.
 SURVEYOR D. Young RODMAN Bob WEATHER: Bad 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	South	680		89°253		C			2.0	15'		98.2		59-17, L-53	
3	East	792		90°44.98		C			1.0	-35		89.6		272	
4		1515		89°51-10		C			2.0	+19		95.0		271	
5	East	1680		89°51-10		C			3.0	+43	+13'	94.4	⊙		
6															
7	West	1980		90°00		B		+29'	8.0	+17 3/4		112.3	Δ		
8		825		90°49.09		C			15.0	-268		85.5		270	
9		0				-			5.5	-55	94 1/2	106.8		Target is 6.0	
10		425		91°16.47		C			15.0	-319		80.4		269	
11		1815		91°30-15		C			15.0	-62 1/2		49.7		268 in River	
12	East	2140		90°57.24		C			15.0	-35.7	-50.7'	61.6	⊙		
13		2480													
14	West	3110		90°37.38		C			15.0	+34.0'	+49 1/2'	110.6	Δ		
15		2120		90°52.38		C			15.0	-47 1/4		63.2		267	
16		840		92°39.44		C			15.0	-64 1/2		56.6		266	
17		0				-			5.4	-5.4		165.2			
18		470		90°20		C			4.9	-4.9		105.7		265	
19		1790				C			20.0	H.R. -20 1/2		90.6		264	
20	East	3110		90°17-32		C			15.0	-15.9'	-30.9'	79.7	⊙	263	

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Alaska PAGE No. 57
 LINE No.(s) 30 PARTY No. 126 DATE 9 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Bob WEATHER: off on white out. P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Abs. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2	West	2640		90°00		B		+13.2	9.1		+22.3	102.0	79.7	A		
3		1320		90°2203		C			15.0	-	-25.5		78.5		262	
4		0		—		—			5.4		-5.4		96.6		261	
5		1320		90°00		C			5.9		-5.9		96.1		260	
6	East	2640 1920		90°00		C			5.8		-5.8		96.2	⊙		
7																
8	West	2040		90°00		T		-10.2	3.0		-7.2	89.0		A		
9		1320		90°00		C			5.2		-5.2		83.8		259	
10		0		—		—			5.4		-5.4		83.6		258	
11	East	1320		89°17.50		C			6.6	+16.6	+9.9	88°	98.6	⊙	257	Target
12																
13	West	2650		90°00		T		-13.3	12.7		-0.4	98.0		A		10/5/75 ↘
14		1340		90°00		C			15.0		-15.0		83.0		256	
15		0		—		—			5.4		-5.4		92.6		255	
16		1310		90°00		B		-6.4	12.8		-12.4		78.6		254	
17	East	2640		90°00		B		-13.2	5.4		-13.4		79.4	⊙	253	
18																
19																
20																

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE Blackia PAGE No. 58
 LINE No.(s) 302 PARTY No. 186 DATE 1A Day 5 Mo. 75 Yr. BOOK No.
 SURVEYOR D. Young RODMAN Larry WEATHER: Blizzard P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
1															
2	West	1320		90°00		B		+6.6	14.3	+21.1	100.5	79.4	○	SP 253	
3		0		—		—			5.4	-5.4				SP-252	
4	East	1320		89°50'00		C			10.0	+3.8	-6.2	94.3	○	251	
5															
6	West	1320		90°00		T		-6.6	14.9	-17.1	92.6		△		
7		0		—		—			5.4	-5.4		87.2		250	
8	East	1320		90°00		C			5.1	-5.1		87.5	○	249	
9															
10	West	760		90°00		C			10.8	+10.8	98.3		△		
11		370 340		90°00		C			6.0	-6.0		92.3		248	NO PIPE
12		0		—		—			5.4	-5.4		92.9			Intersection 30X 52
13	North	1320		90°00		C			5.7						SP-174
14	South	630		90°00		C			6.4	-6.4		91.9			SP-174 LINE-52 110
15	North	2000		89°34'05		C			5.0	+10.1		108.1			SP-174 LINE-52 102
16	East	950		90°00		C			5.1	-5.1		93.2	○	247	
17															
18	West	1320		89°44'37		C			15.0	-5.9	+9.1	102.3		△	
19		0		—		—			5.4	-5.4		96.9		246	
20	East	1320		90°00		C			5.2	-5.2		97.1	○	245	

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Alaska PAGE No. 59
 LINE No.(s) 30 X PARTY No. 186 DATE 14 Day 5 Mo. 75 Yr. BOOK No.
 SURVEYOR D. Young RODMAN Larry WEATHER: Clearing Wind 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												97.1			
2	West	132.0		89.59.07		C			+12.0	-0.3	+11.7	108.3	Δ		
3		0		-		-			5.4		-5.4	103.4		244	
4	East	132.0		90.00		T		+6.6	4.0		+2.6	111.4	⊙	243	
5															
6	West	264.0		90.00		T		-13.2	+5.4		-7.8	103.6	Δ		
7		132.0		90.00		C			4.6		-4.6	99.0		242	
8		0		-		-			5.4		-5.4	98.2		241	
9		132.0		90.00		C			5.1		-5.1	98.5		240	
10	East	264.0		90.00		T		+13.2	8.0		+5.2	108.8	⊙	239	
11															
12	West	180		90.00		C			+15.1		+15.1	123.9	Δ		
13		0		-		-			5.3		-5.3	105.2			Target Height 6.5
14	East	116.0		90.00		C			2.2		-2.2	121.7	⊙	238	
15															
16	West	264.0		89.48.50		C			+9.0	-8.6	-0.6	121.1	Δ		
17		132.0		89.46.53		C			12.0		-7.0	114.1		237	
18		0		-		-			5.9		-5.4	115.7		236	
19		132.0		90.24.40		C			15.0		-24.5	96.6		235	235 + 400
20	East	264.0		90.17.50		C			15.0	-13.7	-28.7	92.4	⊙	234	

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Alaska PAGE No. 60
 LINE No.(s) 30x PARTY No. 186 DATE 14 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: windy 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	West	1320		90-00		C			15.5	+5.5	97.9	92.4				
3		0		—		—			5.9	4.8	87°	93.1		233		Target Height 3.2
4	East	1320		90-00		C			4.6			93.3		232		
5																
6	West	2640		90-00		C			4.7	+4.7	98.0					
7		1320		90-00		C			5.4	-5.4		92.6		231		
8		0		—		—			5.4	-5.4		92.6		230		
9		1320		87-48.50		C			10.0	-5.7		92.3		229		
10	East	2640		87-51-19		C			7.0	+6.7	-0.3	97.7		228		
11																
12	West	2640		90-00		C			14.0	+14.0	111.7					
13		1320		90-00		B		-6.6	11.6	-18.2		93.5		227		
14		0		—		—			5.4	-5.4		106.3		226		
15		1320		90-00		T		+6.6	5.9	+0.7		112.4		225		
16	East	2640		87-57-14		C			2.0	+6.7	+4.7	110.9		224		
17																
18	West	1320		90-00		B		+6.6	10.1	+16.7	133.1					
19		0		—		—			4.9	-4.9	123°	128.2		223		Target
20	East	1320		90-19-54		C			15.0	-7.6	-22.6	110.5		222		

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STADIA SURVEY NOTES

Alaska

AREA N.P.R-4 STATE or PROVINCE 15-5-75 PAGE No. 61
 LINE No.(s) 30X PARTY No. 186 DATE 15 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: Clear - light breeze 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	West	650		90°00		T		-3.3	T3.8		+0.5	111.0				
3		0		—		—			5.4		-5.4	105.6				INTERSECTION 30X & 51
4	North	1035		89°59.09		C			5.5		-5.2	105.8	Tap			IRON PIPE 5.5 ABOVE gr.
5		530		90°00		C			6.0		-6.0	105.0				SP-117-LINE-51
6	South	790		90°00		C			3.9		-3.9	107.1				SP-112-LINE-51
7		670		90°00		C			5.6		-5.6	105.4				SP-221-L-30X
8	East	1990		89°34.03		C			1.0		+13.6	124.6	0	220		
9																
10	West	2640		89°28.56		C			T4.0		-19.9	104.7				
11		1320		90°00		C			6.6		-6.6	98.1		219		
12		0		—		—			5.4		-5.4	99.3		218		
13		1320		90°00		C			6.6		-6.6	98.1		217		
14	East	2640		90°00		C			6.2		-6.2	98.5	0	216		
15																
16	129 West	2580		90°00		C			T6.2		+6.2	104.7				
17		1260		90°00		C			6.0		-6.0	98.7		215		
18		0		—		—			5.4		-5.4	99.3		214		
19		1380		90°00		C			6.2		-6.2	98.5		213		
20	129 West	2690		90°00		C			11.3		-11.3	93.4	0	212		

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STADIA SURVEY NOTES

AREA V.P.R. - 4 STATE or PROVINCE Alaska PAGE No. 62
 LINE No. (s) 30X PARTY No. 186 DATE 15 Day 5 Mo. 5 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OP. S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2	West	2560		90°00		C			5.6	+0.6	94.0	93.4				
3		1320		90°00		C			4.9	-4.9		89.1		211		
4		0		—		—			5.4	-5.4		88.6		210		
5		1320		89°23.38		C			1.0	+13.0		167.0		209		
6	East	2300		82°03.90		C			3.0	+34.7	127 ¹²	128.7	0			Target 1 ¹⁵ 22 along
7																
8	West	1650		90°00		C			2.6	+2.6	121.3					
9		1320		90°00		C			6.0	-6.0		125.3		208		
10		0		—		—			5.4	-5.4		125.9		207		
11		1320		90°22.06		C			15.0	-23.5		107.8		206		
12	East		Constant Slope or Flat between 206 & 204										107.8		205	
13	East	3960		90°04.24		C			15.0	-20.1		111.2	0	204		
14																
15	West	730		90°39.35		C			15.0	+18.8	130.0					
16		0		—		—			5.4	-5.4		124.6				
17	East	890		90°39.42		C			15.0	-26.4		105.6	0	203		
18																
19	West	2640		90°00		T		-13.2	8.4	-4.8	98.8					
20		1320		90°00		C			5.2	-2.6		96.2		202		

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STADIA SURVEY NOTES

AREA N. P. R. - 4 STATE or PROVINCE Alaska PAGE No. 63
 LINE No.(s) 307 PARTY No. 186 DATE 15 Day 5 Mo. 25 Yr. BOOK No. _____
 SURVEYOR D. Fording RODMAN Larry WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAM 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												93.3				
2		0		—					5.4		-5.4	93.4		201		
3		1320		90°00		C			5.8		-5.8	93.0		200		
4	8° East	1680		89°17.22		C			1.0		+19.8	118.6	⊙			
5																
6	West	2300		89°27.17		C			7.0		-14.2	104.4		A		
7		1320		90°00		C			5.2		-5.2	99.2		199		
8		0		—		—			5.4		-5.4	99.0		198		
9		1320		90°00		C			9.3		-9.3	95.1		197		
10	East	2640		90°00		C			13.5		-13.5	90.9	⊙	196		
11																
12	West	2800		90°18.12		C			15.0		+29.9	120.3		A		
13		1425		90°34.53		C			15.0		-30.1	90.7		195		
14		165		88°21.39		C			15.0		-10.3	110.5		194		
15		0		—		—			5.4		-5.4	115.4				
16	East	1155		90°00		C			6.3		-6.3	114.5	⊙	193		
17																(No Tag.)
18	West	1155		89°41.43		C			7.0		-3.1	111.4		A		Iron Pipe 4.5 above 9'
19		0		—		—			5.2		-5.2	106.2				INTERSECTION L-30 X 8 L-49
20	6° South	1380		87°23.06		C			5.0		+9.7	121.1				Target on L-49

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STADIA SURVEY NOTES

AREA N.P.R.-A STATE or PROVINCE Alaska PAGE No. 69
 LINE No.(s) 30 X PARTY No. 186 DATE 15 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: Clear 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												111.4				
2	South	830		89-20-53		C				-4.4		115.8			SP-171-K-49	
3	North	490		90-00		B		-2.5	14.0	-16.5		94.9			SP-170-1-49	
4		165		90-00		C			16.7	-6.7		104.7			192	
5	East	1485		90-00		C			9.8	-9.8		101.6	⊙		191	
6																
7	West	2640		90-00		T		-13.2	4.2	-12.0		89.6				
8		1320		90-00		T		+16.6	5.3	+1.3		90.9			190	
9		0		—		—			5.4	-5.4		84.2			189	
10		1320		90-00		C			4.9	-4.9		84.7			188	
11	East	2640		90-00		C			7.0	-7.0		82.6	⊙		187	
12																
13	West	3465		90-23-52		C			75.0	+39.1		121 ¹			CORRECTED TO MATCH RECIP @ 184+	
14		2145		90-26-15		C			11.0 ^{HR.}	-38.6		79.9			186	
15		825		74-00		C			9.6	-9.6		108.9			185	
16		0		—		—			5.9	-5.9	115 ² RECIP	111.2 ²			184 + 495	Target height 6.8
17		495		90-10-00		C			15.0	-16.4		102.1			184	
18	East	1815		90-28-05		C			15.0	-29.8		88.2	⊙		183	
19																
20																

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Alaska PAGE No. 65
 LINE No.(s) 30x PARTY No. 186 DATE 15 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: Clear 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	West	2640		90-12-31		C			+15.0	+24.6	113 ³	88 ²	⊙			
3		1720		90-21-53		C			15.0	-23A		89 ²		182		
4		0		—		—			5.8	-5.8	110 ² RECIP	107 ²		181		
5		1320		90-00		C			14.7	-14.7		98 ²		180		
6	West	2240		90-18-52		C			15.0	-27.7		85 ²	⊙	179		
7																
8	East	2970		90-33-15		C			+15.0	+43.7	129 ²		Δ			
9		7320		90-24-00		C			15.0	-24.2		105 ²		178		
10		0		—		—			5.4	-5.4		123 ²		177		
11		1320		90-00		B		-6.6	7.8	-16.4		112 ²		176		
12		2640		87-40-50		C			3.5	+11.2		140 ²		175		
13	East	3960		89-51-26		C			5.2	+4.7	135 ² RECIP	134 ²	⊙	174	target light	
14																
15	West	2760		89-44-12		C			+5.3	-7.4	126 ²		Δ		(Begin on 16/5/75)	
16		1440		90-00		T		+7.2	8.5	-1.3		125 ²		173	(No Tam.)	
17		120		90-00		C			6.5	-6.5		120 ²		172	Pipe 5.0 above st.	
18		0		—		—			5.9	-5.9		120 ²			INTERSECTION 30X 48	
19	South	410		90-00		C			5.2	-5.2		121 ²		SP-60-L-48		
20	North	910		90-00		C			6.2	-6.2		120 ²		SP-61-L-48		

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Alaska PAGE No. 66
 LINE No.(s) 30-2 PARTY No. 186 DATE 16 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: Cloudy light mist or fog P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
1															
2		1200		90-01-17		C			15.0	-15.8	126 ⁰		171		↑ BACK
3	East	2500		90-00		C			5.5	-5.5	121 ^L	0	170		
4															
5	West	3960		89-56-00		C			10.0	+5.4	126 ^E	Δ			
6		2690		89-58-36		C			23.0	H.R. -21.9	104 ⁰		169		
7		1320		90-0-0		C			1.4	-1.4	125 ^L		168		
8		0							6.3	-6.3	119 ² RECP		167	Target height 5.3	
9		1320		90-00		C			2.4	-2.4	124 ^L		166		
10	East	2310		89-47-48		C			3.0			0		Target height	
11	East	2310		89-43-16		C			6.0	+5.2	131 ⁰ RECP	0		Target height 6.0	
12															
13	West	1985		89-05-11		C			6.0	-17.7	114 ⁰	Δ			↑ WORKED
14		1155		89-05-11		C			4.3	+14.1	128 ^L		165		
15		0							5.4	-5.4	108 ⁰				
16		165		92-05-28		C			15.0	-21.0	93 ⁰		164		
17	East	1985		91-20-02		C			15.0	-49.6	64 ²		163		
18	East	2800		90-48-13		C			15.0	-54.3	59 ^L	0	162		
19															
20															

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STADIA SURVEY NOTES

AREA N.P.R. - A STATE or PROVINCE Alaska PAGE No. 67
 LINE No.(s) 304 PARTY No. 186 DATE 16 Day 5 Mo. 25 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: Cloudy 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	West	5050		90-18-15		C			15.0	+41.8	101.5			Δ		
3		3730		90-26-12		C			15.0	-43.4		58±			161	
4		2410		90-26-20		C			15.0	-33.5		68±			160	
5		1090		91-07-18		C			15.0	-36.3		65±			159	
6		0		—		—			5.1	-5.1	FROM CLAY	96±			Target height 4.5	
7		230		91-54-53		C			15.0	-22.7		78±			158	
8		1515		90-29-52		C			15.0	-28.2		73±			157	
9	East	2875		90-20-59		C			15.0	-32.3		69±		0	156	
10																
11	West	2640		90-00		T		-13.2	12.4	-0.8	68±			Δ		
12		1720		90-00		C			7.5	-7.5		60±			155	
13		0		—		—			5.4	-5.4		63±			154	
14		1320		90-00		T		+6.6	7.6	-1.0		67±			153	
15	East	2640		90-00		T		+13.2	11.2	+2.0		70±		0	152	
16																
17	West	2640		90-00		T		-13.2	10.3	-2.9	67±			Δ		
18		1720		90-00		C			5.8	-5.8		61±			151	
19		0		—		—			5.4	-5.4		62±			150	
20		1320		89-25-03		C			22.0	-6.6	HR	60±			149	

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STADIA SURVEY NOTES

AREA N.P.R.-A STATE or PROVINCE Alaska PAGE No. 68
 LINE No.(s) 30-X PARTY No. 186 DATE 16 Day 5 Mo. 25 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: light cloud + 25 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.			
1											67 [±]				
2	East	2640		89°34'25"		C		5.0		+14.6	82 [±]	⊙	148		
3															
4	West	990		90°20'06"		C		+15.0		+20.8	102 [±]	Δ		(No Pipe) Shot on SP ¹ REC	
5	West	165		90°00"		C		2.8	7.8	-7.8	95 [±]			INTERSECTION 30 X 6" 47	
6	N.N.W.	250		90°00"		B		-1.3	14.3	-15.6	87 [±]			SP-225 L-47 = 165' North of Int.	
7	N.N.W.	1500		90°00"		B		-7.5	14.1	-21.6	81 [±]			SP-224 L-47 = 15 1485' West	
8		0		—		—		5.7	5.7	-5.7	97 [±] RECIP			← North of Intersection	
9		330		90°19'30"		C		15.0		-16.9	86 [±]		147	Target 5.5	
10		1680		90°03'37"		C		15.0		-16.7	86 [±]		146		
11	East	2970		90°00"		B		-14.9	4.4	-19.3	83 [±]	⊙	145		
12															
13	West	2640		90°05'15"		C		76.0		+10.0	93 [±]	Δ			
14	.	1320		90°00"		C		5.5		-5.5	88 [±]		144		
15		0		—		—		5.4		-5.4	88 [±]		143		
16		1320		89°05'30"		C		4.0		-6.1	87 [±]		142		
17	East	2475		89°46'22"		C		6.0		+3.8	97 [±] RECIP	⊙		Target 6.0 High.	
18															
19															
20														White out set in	

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STADIA SURVEY NOTES

AREA N.P.R. 4 STATE or PROVINCE Alaska PAGE No. 69
 LINE No.(s) 30-X PARTY No. 126 DATE 16 Day 5 Mo. 25 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Lenny WEATHER: White out, Wind 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.			
1											972		141163		
2	West	1485		90-00		T		3.2	-74	-4.2	935	A			
3		1320		90-00		C		5.7		-57		878	141		
4		0		-		-		5.4		-59		885	120		
5	East	1320		90-00		C		6.3		-63		872	139		
6															
7	West	1320		90-00		C		5.3		153	925	A			
8		0		-		-		5.4		-54		874	138		
9	East	1320		90-00		C		8.2		-82		843	137		
10															
11	West	2640		90-00		C		5.4		154	893	A			
12		1320		90-00		C		5.0		-50		843	136		
13		0		-		-		5.4		-54		843	135		
14	East. 990	1485		89-00		C		4.0		110		108.5	134		
15	East	2640											133		
16	West	2475		90-00		T		9.6		-2.8	1972	A			
17		2145		90-00		C		8.9		-89		888	134		
18		825		90-00		B		11.7		-158		812	133		
19		0		-		-		5.4		-54		923			
20		495		90-00		C		7.1		-71		908	132		

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STADIA SURVEY NOTES

AREA N.P.R. - 9 STATE or PROVINCE Alaska PAGE No. 70
 LINE No.(s) 302 PARTY No. 186 DATE 16 Day 5 Mo. 25 Yr. BOOK No.
 SURVEYOR W. Young RODMAN LARRY WEATHER: Cloudy 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.			
1											972				
2	East	1815		90°00		C		0.8	-0.8		963	0	131		
3															
4	West	2640		89°58'55"		C		7.0	0.8	+0.2	974	Δ			
5		1320		90°00		B		10.9		12.5	1790		130		
6		0		—		—		5.9		5.4	942		129		
7		1320		90°00		C		11.7		11.7	854		128		
8	East	2640		90°00		C		13.5		13.5	830	0	127		
9															
10	West	2145		90°25'38"		C		15.0	+16.0	+31.0	1140	Δ			
11		825		90°00		C		11.9		11.9	1023		126		
12		0		—		—		5.7		5.7	1102				
13		995		90°00		C		8.9		8.9	1052		125	Target 7.0 from ground	
14	East	1815		90°00		B		9.1	9.4	18.5	9167	0	124		
15															
16	West	345		90°00		T		7.7	+7.8	+0.1	963	Δ		(center of target)	
17		0		—		—		5.1		5.1	911			Target height is 7.2	
18	North	635		90°00		C		2.6		2.6	930			INTERSECTION 202 F 46	
19	South	685		90°00		C		10.1		10.1	861			SP. 96 L-46	
20	East	970		90°42'02"		C		15.0	11.9	26.9	692	0	123		

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STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE Alaska PAGE No. 71
 LINE No.(s) 30 X PARTY No. 186 DATE 16 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: Cloudy 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.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2	West	2640		90°25'34"		C		#	15.0	+19.6	+34.6	103.2			
3		1320		90°38'15"		C			15.0	74.7	29.7		74.2	122	
4		0		-		-			5.4		5.4		98.5	121	
5		1320		90°06'24"		C			1.0	2.5	3.5		100.4	120	
6	East	2640		90°00'		C			12.5		12.5		94.4	119	
7															
8	West	2600		89°33'52"		C			1.0	19.8	18.8	72.2			
9		1320		90°00'		T		+6.6	6.0		0.6		73.2	118	
10		0		-		-			5.4		5.4		67.2	117	
11		1320		90°00'		C			2.3		2.3		68.2	116	
12	East	2640		90°00'		C			5.3		5.3		67.2	115	
13															
14	West	2600		90°00'		C			5.4		5.4	72.2			
15		1320		90°00'		C			7.3		7.3		67.8	114	
16		0		-		-			5.4		5.4		67.2	113	
17		1320		90°00'		T		+6.6	8.4		1.2		70.2	112	
18	East	2640		90°00'		T		+13.2	12.6		0.6		73.2	111	
19															
20															

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STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE Alaska PAGE No. 72
 LINE No.(s) 307 PARTY No. 186 DATE 12 Day 5 Mo. 25 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: Clear 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.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2	West	825		90°00		C			11.5	711.5	84 [±]	73 [±]		Δ	
3		0		—		—			5.4	5.4		80 [±]			
4	East	495		90°45.00		C			15.0	70.5	21.5	63 [±]	110	○	
5															
6	West	2600		90°00		C			4.4	+4.4	67 [±]			Δ	
7		1320		90°00		C			5.0	5.0		62 [±]	109		
8		0		—		—			5.4	5.4		62 [±]	108		
9	East	1320		87°08.27		C			7.0	+18.8	+18.8	86 [±]	107	○	
10															
11	West	1320		90°00		C			+8.4	+8.4	94 [±]			Δ	
12		0		—		—			5.4	5.4		89 [±]	106		
13		1320	(IN CREEK Bed Elev. 50° from contour)									50 [±]		105	
14	East	2640		90°00		C			13.8	73.8		81 [±]	104	○	
15															
16	West	660		90°00		B		+3.2	+2.3	+15	+15.5	96 [±]		Δ	
17		0		—		—			5.4	5.4		91 [±]			
18		410		90°40.20		C			15.0	7.8	15.8	75 [±]		Intersection 30 X E 45	
19	N.E.	560		90°30.20		C			15.0	7.9	19.9	75 [±]		SP. 218, L-45	
20	East	660		91°11.00		C			15.0	13.6	28.6	68 [±]	103	○	

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Alaska PAGE No. 73
 LINE No.(s) 30 X PARTY No. 186 DATE 17 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: scattered clouds + 3° 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	West	2640		90°23-44		C			15.0	+18.2	+33.2	101 ²	68 ²		
3		1320		90°28-05		C			19.0	19.0	29.8		74 ²	102	
4		0		—		—			5.4		5.4		95 ²	101	
5		1320		90°22-09		C			15.0	-8.5	23.5		77 ²	100	
6	East	2640		90°12-51		C			15.0	9.9	24.9		76 ²	99	
7															
8	West	2970		90°00		C			9.4		9.4	85 ²			
9		1650		90°00		C			14.2		74.2		74 ²	98	
10		330		90°00		C			7.3		7.3		78 ²	97	
11		0		—		—			5.4		5.4		80 ²		
12		990		90°00		B		5.0	14.6		14.6		66 ¹	96	
13	East	2310		87°37-52		C			1.0	+13.5	+12.5		98 ²	95	
14															
15		1140		90°0-13		C			2.0	+0.4	+2.4	100 ²			
16		660		87°40-31		C			6.0	+3.7	-2.3	90 ² RECIPI	98 ²		Target 6°
17		0		—		—			5.4		5.4		95 ²		
18		165		100°30'38"		C			15.0	29.6	44.6		56 ²	94	
19	East	1480		91°18-33		C			15.0	33.8	48.8		51 ²	93	
20															

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STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE Alaska PAGE No. 74
 LINE No.(s) 30 X PARTY No. 186 DATE 17 Day 5 Mo. 75 Yr. BOOK No.
 SURVEYOR D. Young RODMAN Larry WEATHER: Snowing 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	West	2690		90°00		C			5.2	+5.2	57 ^e	51 ^e			
3		1320		90°00		C			1.6	7.6		55 [±]	92		
4		0		—		—			5.4	8.4		51 ^e	91		
5	East	825		89°28.00		C			7.0	+6.7		63 [±]			
6															
7	West	2145		90°00		T		10.7	+5.7	5.0	58 [±]				
8		1650		90°00		B		8.3	8.6	16.9		41 ^e	90	IN RIVER Bed	
9		330		90°00		C			11.6	71.6		47 [±]	89		
10		0		—		—			5.4	3.4		53 [±]			
11		990		90°00		C			6.3	6.3		52 [±]	88		
12		2310		90°00		C			2.7	2.7		56 ^e	87		
13	East	8805		89°17.31		C			2.0	+37.9	+35.9	94 ^e RECIP	94 ^e		Target high + 7.5 86+825
14															
15	West	2145		88°57.17		C			5.0	-39.1	-30.1	64 [±]			
16		1320	825	88°56.49		C			2.0	+24.2	-22.2		42 [±]	86	
17		0		—		—			5.4	5.4		59 [±]	85		
18		1320		90°14.05		C			75.0	5.4	-20.4		44 [±]	84	
19	East	2640		90°00		B		73.2	6.0	-19.2		45 [±]	83		
20															

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STADIA SURVEY NOTES

AREA N.P.R.-A STATE or PROVINCE Alaska PAGE No. 75
 LINE No.(s) 302 PARTY No. 186 DATE 17 Day 5 Mo. 75 Yr. BOOK No.
 SURVEYOR D. Young RODMAN Larry WEATHER: light SATUR 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.			
1											45 [±]				
2	West	2640		90°00		C		83	+8.3	53 ⁶		Δ			
3		1320		90°00		C		68	6.8		46 ⁹		82		
4		0		-		-		59	5.9		48 ²		81		
5		1320		90°00		C		64	6.4		47 ²		80		
6	East	2640		90°00		C		3.2	3.2		50 ⁴	○	79		
7															
8	West	2640		90°00		C		1.6	+1.6	52 ⁰		Δ			
9		1320		90°00		C		9.3	9.3		42 ²		78		
10		0		-		-		5.4	5.4	45 [±] RECIP	46 ⁶		77	Target 7 is 5.8 high	
11		760		90°00		C		8.7	8.7	and 40.4	43 [±]			INTERSECTION 30X8 39X	
12	N.E	1550		90°00		C		6.9	6.9		45 [±]			SP-133 L-39 X IRON PIPE	
13	S.E	980		90°00		C		6.5	6.5		45 [±]			SP- 2.9 above gr.	
14		1320		90°00		C		7.9	7.9		44 [±]			No Tag	
15	East	2640		90°00		C		7.5	7.5		44 [±]	○	75		
16															
17	West	2970		90°00		C		11.5	+11.5	58.9		Δ			
18		1650		90°00		C		9.6	9.6		49.3		74		
19		330		90°00		C		8.6	8.6		50.3		73		
20		0		-		-		5.4	5.4		53.5				

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70 90°00 C

8.2

0.2

58.7

Target height 5.9

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STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE Alaska PAGE No. 76
 LINE No.(s) 30 X PARTY No. 186 DATE 17 Day 5 Mo. 75 Yr. BOOK No.
 SURVEYOR D. Young RODMAN Larry WEATHER: Cloudy light snow 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.		
1											58.9			
2		990		90°00		C		7.5		7.5		51.4	72	
3	East	2310		90°00		C		5.3		5.3		53.6	71	
4														
5	West	2640		90°00		C		1.2		1.2		54.8		
6		1320		90°00		C		4.8		4.8		50.0	70	River 19+500'
7		0				-		5.4		5.4		49.4	69	
8		1520		90°00		T		2.7	+6.6	3.9		58.7	68	
9	East	2640		89°50'09		C		12.0		7.6		50.4	67	
10														
11	West	2800		90°00		B		10.5		24.5	74.9			
12		1480		90°00		B		8.8		16.2		58.7	66	
13		165		90°00		C		10.0		70.0		64.9	65	
14		0				-		5.4		5.4		69.5		West bank
15		1155		90°55'24		C		15.0		7.5		58.4	64	River delta
16	East	2475		90°24'30		C		15.0		7.6		42.3	63	
17														
18														
19														
20														

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Alaska. PAGE No. 77
 LINE No.(s) 30 X PARTY No. 188 DATE 18 Day 5 Mo. 25 Yr. BOOK No.
 SURVEYOR D. Young RODMAN LARRY WEATHER: 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.		
1											42.3			
2	West	2640		90-00		C		9.8	+9.8	52.1		Δ		
3		1320		90-00		C		12.4	12.6		39.5	62		
4		0		—		—		5.4	5.4		46.7	61		
5		1320		90-00		C		4.5	4.5		47.6	60		
6	East	2640		90-00		C		6.7	6.7		45.4	59		
7														
8	West	1980		91-15-57		C		15.0	+43.7	58.7	104.1	Δ		
9		660		92-53-25		C		15.0	44.7	59.7		44.4	58	
10		0		—		—		5.4		5.4		98.7		
11		330		90-04-11		C		6.0	0.4	6.4		97.7		
12		660		90-00		C		7.5		7.5		96.6	57	
13	East	1960		90-00		B		9.8		23.1		81.0	56	
14														
15	West	2640		90-19-13		C		15.0	+11.1	+26.1	107.1	Δ		
16		1320		90-00		C		11.6		11.6		95.5	55	
17		0		—		—		5.4		5.4		101.7	54	
18		1320		90-00		C		3.3		3.3		103.2	53	
19	East	2640		90-04-59		C		14.0	3.8	17.8		89.3	52	
20														

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Blackia PAGE No. 78
 LINE No.(s) 30X PARTY No. 184 DATE 18 Day 5 Mo. 25 Yr. BOOK No.
 SURVEYOR D. Young RODMAN Larry WEATHER: _____ 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.		
1											87.3			<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 6.57-110-2-75 37X SP-42+165 30X SP-2.8 </div> Type 2.8 center of target + 5" H.I. 5.0 from ground Intersection 30X E 37X SP-42 + L-37X SP-43 - L-37X 50
2	West	1650		90-00		T	8.3	2.8	5.5	83.8				
3		330		90-00		C		7.8	7.8		76.0	51		
4		0		90-00		C		9.5	3.0		78.8			
5	North	165		90-00		C		9.3	9.3		73.5	SP-42		
6	South	1155		89-15-02		C		5.0	+10.1		93.9	SP-43		
7	East	1000		89-31-16		C		4.0	+8.4		88.2	50		
8														
9	West	2640		90-00		C		6.7	+6.7	94.9				
10		1320		90-00		C		4.5	7.5		90.4	49		
11		0		-		-		5.4	5.4		88.5	48		
12		1320		90-00		C		7.6	7.6		85.3	47		
13	East	2640		90-00		C		4.3	4.3		70.6	46		
14														
15	West	2640		89-54-58		C		7.0	3.9	+5.1	95.7			
16		1320		90-00		C		5.3	3.3		89.4	45		
17		0		-		-		5.4	5.4		90.3	44		
18	T	1320		90-00		C		7.6	7.6		86.1	43		
19	East	2640		90-18-22		C		15.0	74.1	29.1	66.6	42		
20														

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Alaska PAGE No. 79
 LINE No.(s) 30-X PARTY No. 186 DATE 18 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Lunny WEATHER: Windy Fog Part 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.		
1											66.6			
2	West	2640		90°00		C			13.6	+13.6	80.2	A		
3		1320		90°26.15		C			15.0	10.1	25.1		41	
4		0		—		—			5.4	5.4	74.8		40	
5		1320		89°46.45		C			1.0	+5.1	+4.1		39	
6	East	2640		89°45'00		C			1.0	+11.5	+10.5		38	
7														
8	West	1650		90°00		B		+8.3	12.5	+21.8	112.5	A		
9		330		90°00		C			6.8	6.8	104.7		37	
10		0		—		—			5.4	5.4	107.1			
11		1010		90°00		C			6.4	6.4	106.1		36	
12	East	2300		90°00		C			9.8 9.8	9.8	102.7	⊙	35	
13														
14	West	2640		90°00		T		13.2	+12.1	1.1	101.6	A		
15		1320		90°00		C			0.3	0.3	101.3		34	
16		0		—		—			5.4	5.4	96.2		33	
17		1320		90°00		C			11.6	11.6	90.0		32	
18	East	2640		90°00		C			14.7	14.7	86.9	⊙	31	
19														
20														

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE ALASKA PAGE No. 80
 LINE No.(s) 30 X PARTY No. 186 DATE 78 Day 5 Mo. 75 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Larry WEATHER: Fog & wind 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	West	2640		90°00		T		13.2	+11.3		- 1.9	85.0	86.9	Δ	
3		1320		90°00		C			5.6		5.6		79.4	30	On line 30 x there are no pins at stake
4		0		-		-			5.4		5.4		77.6	29	
5		630		90°00		C			12.3		12.3		74.7		INTERSECTING 30 X & 31 X
6		1320		90°00		C			2.5		2.5		82.5	28	Shot on ground
7	East	1650		89°13-01		C			5.8	+8.1	+ 2.3		87.3	⊙	Marker is 2.7 above ground
8															
9	West	2640		90°00		C			+ 2.8		+ 2.8	80.1		Δ	
10		1650												27	Target 5.8 high
11		1330		91°22-50		C			15.0	7.9	22.9		67.2	26	
12		0		-		-			5.4						
13		1000		89°17-37		C			7.0	+11.7	+10.7		100.8	25	
14	East	1155		89°10-16		C			7.0	+16.7	+15.7		105.8	⊙	
15															
16	West	3135		90°00		C			+14.5		+14.5	120.3		Δ	
17		1980		90°00		C			14.0		74.8		105.5	24	
18		660		90°24-30		C			75.0	4.7	79.7		100.6	23	
19		0		-		-			5.2		5.2		115.1		
20		660		90°00		C			13.7		73.7		106.6	22	

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE Ontario PAGE No. 51
 LINE No.(s) 30x PARTY No. 186 DATE 18 Day 5 Mo. 25 Yr. BOOK No.
 SURVEYOR D. Young RODMAN Lacey 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												120.3				
2	East	1980		90-18-21		C			75.0	10.6	25.6		94.7	⊙	21	
3																
4	West	2600		90-00		T		73.0	+12.7		+0.7		95.4	Δ		
5		1300		90-00		C			6.1		6.1		89.3		20	
6		0		-		-			5.4		5.4		90.0		19	
7		1340		90-00		C			5.4		5.4		90.0		18	
8	East	2850		89-50-56		C			1.0	+7.0	+6.0		101.4	⊙	17	
9																
10	West	1330		90-22-34		C			+25.0	+8.7	+23.7		125.1	Δ		
11		0		-		-			5.4		5.4		119.7		16	
12		1320		90-00		C			7.8		7.8		117.3		15	
13	East	2640		90-01-20		C			15.0	1.0	16.0		109.1	⊙	14	
14																
15	West	2640		90-00		C			10.9		+10.4		119.5	Δ		
16		1320		90-00		C			8.7		8.7		110.8		13	
17		0		-		-			5.4		5.4		114.1		12	
18		1320		90-00		C			11.0		11.0		102.5		11	
19	East	2640		90-00		C			14.3		14.3		105.2	⊙	10	
20																

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2nd

STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE Alaska PAGE No. 82
 LINE No.(s) 20 X PARTY No. 186 DATE 18 Day 5 Mo. 25 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN Lenny 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	Correction			Center Hair	INST.			
1															
2	West	2640		90°00		C			2.5	+2.5	107.7	105.2	Δ		
3		1320		90°00		C			7.5	7.5		100.2		9	
4		0		—		—			5.4	5.4		102.3		8	
5		1320		90°00		C			10.0	10.0		97.7		7	
6	East	2640		90°00		C			9.7	9.7		98.0	○	6	
7															
8	West	530		90°00		C			+7.8	+7.8	107.7		Δ		
9		0		—		—			5.0	5.0		102.7			Target
10		790		90°00		C			4.5	4.5		103.2		5	
11		2120												4	
12															
13															
14															
15															
16															
17															
18															
19															
20															

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