

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 1
 LINE No.(s) 55 PARTY No. 1182 DATE 11 Day 4 Mo. 76 Yr. BOOK No.
 SURVEYOR HELANDER RODMAN MYERS 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	Correc-tion	Center Hair			INST.	ROD			
1			TAKE OFF SP 139 L-136										50.9	(REFER L-8, P.14-LINE 136)		
2															139	L-136
3	S	660	✓					6.0		+6.0	56.79		Δ			
4	"	"	90°	04'55"				5.0	6.0				Δ			L-136 SP 139+660
5		0						5.4		-5.4		51.5		INT	TL-55 SP 105+711	
6	N	660						5.5		-5.5		51.4	-	140		L-136
7																
8	E	741	90°	17'00"				4.0		-7.7		49.2	-	105		L-55
9	"	2061	✓					12.5		-12.5		44.4	⊙	104		
10	"	"	90°	04'05"				10.0	-12.5				⊙			
11	W	1320	✓					4.1		+4.1	48.5		Δ			
12	"	"	89°	57'40"				5.0	4.1				Δ			
13		0						5.4		-5.4		43.1		103		π
14	E	1320	90°	05'00"				4.0		-7.1		47.4	-	102		
15	"	2640	✓					7.8		-7.8		40.7	⊙	101		
16	"	"	90°	03'35"				5.0	-7.9				⊙			
17																
18																
19																
20																

TI-5088

WORKED BY

CHECKED BY 1st

2nd

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 3
 LINE No.(s) 55 PARTY No. 1182 DATE 11 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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	Correc-tion	Center Hair			INST.	ROD			
1												71.9				
2																
3	E	1320	90°	27'00"				4.0		-14.4		57.5	-	114		
4		0						H1 5.4		-5.4		66.5	-	115	X	
5	W	1320	89°	57'45"				4.0		-3.2		68.7	-	116		
6	"	2640	✓					4.0		-4.0		67.9	0	117		P
7	"	"	89°	58'33"				5.0	-4.0				0			
8	E	2640	89°	35'50"				5.0	-13.4	-13.5	54.4		0			
9	"	"	270°	24'28"				5.0	-13.6				0			
10	"	1320	89°	36'20"				4.0		+5.1		59.5	-	118		
11		0						H1 5.4		-5.4		49.0	-	119		
12	W	1320	90°	22'55"				4.0		-12.8		41.6	-	120		
13	"	2640	89°	53'40"				5.0	-0.3	+0.1		54.5	0	121		P
14	"	"	270°	07'25"				5.0	0.5				0			
15	E	2640	✓					2.8		+2.9	57.4		0			
16	"	"	89°	57'11"				5.0	3.0				0			
17	"	1320	90°	11'22"				4.0		-8.4		49.0	-	122		
18		0						H1 5.4		-5.4		52.0	-	123		
19	W	1320	✓					4.9		-4.9		52.5	-	124		
20	"	2640	✓					11.6		-11.6		45.8	0	125		

TI-5589 " " 90° 02'05"

10.0 11.7

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 2
 LINE No.(s) 55 PARTY No. 1182 DATE 11 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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	Correc-tion	Center Hair			INST.	ROD			
1		<u>H.I. FROM PAGE 1</u>										<u>56.9</u>				
2																
3		<u>0</u>													<u>INT</u>	<u>π</u>
4	<u>W</u>	<u>579</u>	<u>✓</u>					<u>4.3</u>		<u>-4.3</u>		<u>52.6</u>	<u>-</u>	<u>106</u>		
5	"	<u>1899</u>	<u>✓</u>					<u>4.3</u>		<u>-4.3</u>		<u>52.6</u>	<u>⊙</u>	<u>107</u>		
6	"	"		<u>89° 58' 38"</u>				<u>5.0</u>	<u>-4.3</u>				<u>⊙</u>			
7	<u>E</u>	<u>2640</u>		<u>90° 17' 10"</u>				<u>10.0</u>	<u>23.3</u>	<u>+23.3</u>	<u>75.9</u>		<u>Δ</u>			
8	"	"		<u>269° 42' 47"</u>				<u>10.0</u>	<u>23.4</u>				<u>Δ</u>			
9	"	<u>1320</u>		<u>90° 50' 11"</u>				<u>4.0</u>		<u>-23.3</u>		<u>52.6</u>	<u>-</u>	<u>108</u>		
10		<u>0</u>					<u>H1</u>	<u>5.4</u>		<u>-5.4</u>		<u>70.5</u>		<u>109</u>	<u>π</u>	<u>↑</u>
11	<u>W</u>	<u>1320</u>	<u>✓</u>					<u>12.5</u>		<u>-12.5</u>		<u>63.4</u>	<u>⊙</u>	<u>110</u>		
12	"	"		<u>90° 06' 45"</u>				<u>10.0</u>	<u>-12.6</u>				<u>⊙</u>			
13	<u>E</u>	<u>1320</u>		<u>89° 50' 33"</u>				<u>5.0</u>	<u>1.4</u>	<u>+1.4</u>	<u>64.8</u>		<u>Δ</u>			
14	"	"		<u>270° 09' 33"</u>				<u>5.0</u>	<u>1.4</u>				<u>Δ</u>			
15		<u>0</u>					<u>H1</u>	<u>5.4</u>		<u>-5.4</u>		<u>59.4</u>		<u>111</u>	<u>π</u>	
16	<u>W</u>	<u>1320</u>		<u>90° 10' 10"</u>				<u>4.0</u>		<u>-7.9</u>		<u>56.9</u>	<u>-</u>	<u>112</u>		
17	"	<u>2640</u>	<u>✓</u>					<u>7.3</u>		<u>-7.4</u>		<u>57.4</u>	<u>⊙</u>	<u>113</u>		
18	"	"		<u>89° 56' 30"</u>				<u>10.0</u>	<u>-7.5</u>				<u>⊙</u>			
19	<u>E</u>	<u>2640</u>	<u>✓</u>					<u>14.5</u>		<u>+14.5</u>	<u>71.9</u>		<u>Δ</u>			
20	"	"		<u>90° 05' 48"</u>				<u>10.0</u>	<u>14.6</u>				<u>Δ</u>			

T1-5888

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 4
 LINE No.(s) 55 PARTY No. 1182 DATE 11 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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	Correc-tion	Center Hair			INST.	ROD			
1													46.8			
2															125	
3	E	2640	✓					2.1		+2.2	40.0		Δ			
4	"	"	89° 56' 15"					5.0	2.3				Δ			
5	"	1320	90° 29' 28"					4.0		-15.4		32.6	-	126		
6		0						5.4		-5.4		42.6		127	π	
7	W	1320	90° 33' 33"					4.0		-16.9		31.1	-	128		
8	"	2640	✓					7.7		-7.7		40.3	○	129		
9	"	"	89° 56' 55"					10.0	-7.8				○			
10	E	3465	90° 11' 33"					10.0	+21.9	+21.8	62.1		Δ			
11	"	"	269° 48' 40"					10.0	+21.7				Δ			
12	"	2145	90° 12' 45"					4.0		-12.1		50.0	-	130		
13	"	825	90° 31' 30"					4.0		-11.6		50.5	-	131		
14		0												+825	π	f
15	W	495	91° 18' 33"					4.0		-15.3		46.8	-	132		
16	"	1815	90° 38' 15"					4.0		-24.3		37.8	-	133		
17	"	3135	90° 12' 25"					10.0	-21.5	-21.5		40.6	○	134		
18	"	"	89° 47' 44"					10.0	-21.4				○			
19		2640	✓					11.2		+11.3	51.9		Δ			
20	"	"	90° 01' 37"					10.0	11.4				Δ			

TI-688B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 5
 LINE No.(s) 55 PARTY No. 1182 DATE 11 Day 4 Mo. 76 Yr. BOOK No.
 SURVEYOR HELANDER RODMAN MYERS 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												51.9				
2																
3	E	1320	✓					12.6		-12.6		39.3	-	135		
4		0						5.4		-5.4		46.5		136	π	
5	W	1320	✓					4.8		-5.0		46.9	⊙	137		
6	"	"		89° 48' 00"				10.0	-5.4				⊙			
7	E	285	✓					7.3		+7.3	54.22		Δ			L-55 SP 137 + 285
8	"	"		90° 26' 40"				5.0	7.2				Δ			L-65 SP 286 + 1060
9		0														
10	N	260	✓					7.3		-7.3	(47.3)	46.9	-	287	INT π	MARKER PIPE
11	S	1060	✓					6.9		-6.9	(47.7)	47.33	-	286	65	
12																
13																
14																
15																
16	W	1035	✓	90° 09' 45"				4.0		-4.9		49.3	-	138		
17	"	2355	✓					5.0		-5.1		49.1	⊙	139		
18	"	"		89° 52' 55"				10.0	-5.3				⊙			
19	E	1320	✓					10.2		+10.2	59.3		Δ			
20	"	"		89° 50' 00"				14.0	10.2				Δ			

T1-5006

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 6
 LINE No.(s) 55 PARTY No. 1182 DATE 11 Day 4 Mo. 76 Yr. BOOK No.
 SURVEYOR HELANDER RODMAN MYERS WEATHER: 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.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1												59.3				
2																
3		0						M1	5.4		-5.4	53.9		140	X	
4	W	1320	89°	53'00"					4.0		-1.3	58.0	-	141		
5	"	2640	89°	50'15"					14.0	-6.7	-6.7	52.6	0	142		
6	"	4	270°	09'40"					14.0	-6.7			Q			
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 7
 LINE No.(s) # 55 PARTY No. 1182 DATE 12 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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												52.6				
2															142	
3	E	1320	✓					5.8		+5.9	58.5		Δ			
4	"	"		90° 05' 05"				4.0	6.0				Δ			
5		0						HI 5.4		-5.4		53.1			143	⊖
6	W	1320	✓					4.3		-4.3		54.2	⊙		144	
7	"	"		89° 58' 00"				5.0	-4.3				⊙			
8	E	2640		90° 08' 05"				10.0	16.4	+16.4	70.6		Δ			
9	"	"		269° 51' 44"				10.0	16.5				Δ			
10	"	1320		90° 27' 55"				4.0		-15.5		55.1	-		145	
11		0						HI 5.4		-5.4		65.2			146	⊖
12	W	1320		90° 48' 52"				4.0	-22.8	-22.8		47.8	⊙		147	
13	"	"		269° 11' 27"				4.0	-22.7				⊙			
14	E	1485		90° 32' 20"				4.0	18.0	+17.9	65.7		Δ			
15	"	"		269° 28' 09"				4.0	17.8				Δ			
16	"	165		92° 21' 33"				4.0		-10.8		54.9	-		148	⊖ 148+165
17	W	1155	✓					7.1		-7.1		58.6	-		149	
18	"	2310		90° 08' 20"				10.6	-15.7	-15.6		50.1	⊙		149+1155	
19	"	"		269° 52' 10"				10.0	-15.4				⊙			
20																

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 8
 LINE No.(s) 55 PARTY No. 1182 DATE 12 Day 4 Mo. 76 Yr. BOOK No.
 SURVEYOR HELANDER RODMAN MYERS WEATHER: 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													50.1			
2															149+155	
3	E	990	90°	18'00"				10.0	15.2	+15.2	65.3		Δ			
4	"	"	269°	48'15"				10.0	15.1				Δ			
5	"	825	91°	09'20"				20.0		-36.6			28.7	-	150	IN CREEK - BOOSTED
6		0													150+825	π
7	W	495	90°	24'40"				4.0		-7.6			57.7	-	151	
8	"	1815	89°	54'00"				5.0	-1.9	-1.8			63.5	0	152	†
9	"	"	270°	06'33"				5.0	-1.6					0		
10	E	2640	89°	48'35"				5.0	-3.6	-3.8	59.7			Δ		
11	"	"	270°	12'05"				5.0	-4.1					Δ		
12	"	1320	89°	57'50"				4.0		-3.2			56.5	-	153	
13		0						HI 5.4		-5.4			54.3		154	π
14	W	1320	91°	05'00"				4.0		-29.0			30.7	-	155	
15	"	2640	90°	51'22"				10.0	-49.6	-49.2			10.5	0	156	
16	"	"	269°	09'35"				10.0	-48.9					0		
17	E	825	90°	18'53"				14.0	17.8	+17.8	28.3			Δ		
18	"	"	269°	44'20"				14.0	17.8					Δ		
19	N	2360	90°	38'30"				10.0		-36.5			-8.2	-		ON OCEAN ICE
20													-8.0			MISTLE OCEAN

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 9
 LINE No.(s) 55 PARTY No. 1182 DATE 12 Day 4 Mo. 76 Yr. BOOK No.
 SURVEYOR HELANDER RODMAN MYERS 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.	ROD		
1			TAKE OFF OCEAN ICE - SEE				ELEV RE-RUN NEXT 2 PAGES -						9A & 9B		
2			FOR ESTABLISHMENT OF ELEV				AT SP 158								
3		0												156 + 825 π	
4	W	495	92°	37' 30"				4.0		-25.9		2.4	-	157	
5	"	1815	89°	37' 20"				5.0	6.9	+7.1		42.9	0	158	SEE P. 9-A
6	"	"	27°	23' 23"				5.0	7.3				0		
7	E	1320	90°	31' 05"				10.0	+22.0	+22.0	64.9		0		
8	"	"	269°	29' 05"				10.0	+21.9				0		
9		0						HI 5.4		-5.4		59.5		159	π
10	W	1320	89°	58' 05"				4.0		-2.1		62.8	-	160	
11	"	2640	89°	50' 53"				5.0	7.9	+2.0		66.9	0	161	
12	"	"	270°	09' 37"				5.0	2.2				0		
13	E	2640	✓					5.6		+5.6	72.5		0		
14	"	"	89°	54' 15"				10.0	5.7				0		
15	"	1320	✓					5.1		-5.1		67.4	-	162	
16		0						HI 5.4		-5.4		67.1		163	π
17	W	1320	✓					2.0		-2.0		70.5	-	164	
18	"	2640	✓					2.8		-2.8		69.7	0	165	
19	"	"	89°	57' 00"				5.0	-2.8				0		
20															

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

ELEV. RE-RUN

AREA _____ STATE or PROVINCE _____ PAGE No. 9-A
 LINE No.(s) 55 PARTY No. _____ DATE 13 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2													0.0			OCEAN ICE
3	N	740	92°	15'45"				5.0	34.2	+34.2	34.2			Δ		
4	"	"	267°	44'59"				5.0	34.1					Δ		
5		0														
6	W	2145	89°	38'00"				5.0	8.6	+8.7			42.9	⊙		156+825 π
7	"	"	270°	22'13"				5.0	8.8					⊙		158
8	E	1320	90°	30'50"				10.0	21.9	+21.8	64.7			Δ		
9	"	"	269°	29'33"				10.0	21.7					Δ		
10		0														159 π
11	W	2640	89°	52'53"				5.0	1.9	+2.0			66.7	⊙		161
12	"	"	270°	09'27"				5.0	2.2					⊙		
13	E	2640	✓					4.2		+4.2	70.9			Δ		
14	"	"	89°	58'48"				5.0	4.2					Δ		
15		0														163 π
16	W	2640	89°	55'35"				5.0	-1.8	-1.7			69.2	⊙		165
17	"	"	270°	04'45"				5.0	-1.5					⊙		
18	E	2640	✓					1.0		+1.1	70.3			Δ		
19	"	"	89°	54'57"				5.0	1.3					Δ		
20		0														167 π

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

12.4 F
 $\frac{250}{740}$

STADIA SURVEY NOTES

ELEV RE-RUN

AREA _____ STATE or PROVINCE _____ PAGE No. 9-B
 LINE No.(s) 55 PARTY No. 1102 DATE 13 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN _____ 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	Correc-tion	Center Hair			INST.	ROD			
1												70.3				
2																
3	W	1320	90°	15'46"				10.0	-16.1	-16.1		54.2	0	168		
4	"	"	269°	44'00"				10.0	-16.2				0			
5	E	513	87°	41'20"				5.0	-15.7	-15.7	38.5		Δ			
6	"	"	272°	18'35"				5.0	-15.7				Δ			
7														Int X		
8	N	940	89°	13'38"				5.0		+7.7		46.2	-	SPR	L-64	MISTIE +0.3
9	NW	1950	90°	58'51"				5.0	-38.5	-38.3		0.2	0			
10	"	"	269°	01'45"				5.0	-38.1				0			
11			✓					5.7		+5.7	5.9		Δ			
12			✓					7.1		-7.1		-1.2	0		ON OCEAN	
13										MISTIE		-1.0				
14																
15																
16																
17																
18																
19																
20																

TI-598B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 10
 LINE No.(s) 55 PARTY No. 1182 DATE 12 Day 4 Mo. 76 Yr. BOOK No.
 SURVEYOR HELANDER RODMAN MYERS 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.	ROD			
1													69.7			
2															165	
3	E	2640	✓					1.4		+1.4	71.1					
4	"	2640		89° 55' 11"				5.0	1.4						Δ	
5	"	1320	✓					4.2		-4.2			66.9	-	166	
6		0						5.4		-5.4			65.7		167	X
7	W	1320		90° 16' 35"				10.0	-16.4	-16.3			54.8	⊙	168	
8	"	"		269° 44' 00"				10.0	-16.2					⊙		
9	E	513		87° 41' 22"				5.0	-15.7	-15.7	39.1			Δ		
10	"	"		272° 18' 25"				5.0	-15.6					Δ		
11															168+513 X INT	
12	N	940		89° 14' 00"				5.0		+7.6	(45.9)		46.7	-	102	1-64
13	S	380		92° 56' 45"				5.0		-24.5	(13.7)		14.6	-	103	MARKER PIPE
14																
15																
16																
17	W	807		91° 49' 25"				4.0		-29.7			9.4	-	169	
18	"	2127		89° 35' 25"				5.0	10.1	+10.1			49.2	⊙	170	
19	"	"		270° 24' 40"				5.0	10.2					Δ		
20																

TI-808B

WORKED BY

CHECKED BY 1st

2nd

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 11
 LINE No.(s) 55 PARTY No. 1182 DATE 13 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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													49.2			
2															170	
3	E	1155	90°	41' 10"				14.0	27.9	+27.9	77.1			Δ		
4	"	"	269°	18' 47"				14.0	27.9					Δ		
5		0													170+1155	K
6	W	165	90°	42' 37"				4.0		-6.0		71.1		-	171	
7	"	1485	✓					1.9		-1.9		75.2		0	172	f
8	"	"	89°	52' 45"				5.0	-1.9					0		
9	E	1320	89°	28' 35"				5.0	-7.0	-7.0	68.2			Δ		
10	"	"	270°	31' 28"				5.0	-7.0					Δ		
11		0													173	K
12	W	1320	✓					5.4		-5.4		62.8			174	
13	"	2640	89°	38' 55"				5.3		-5.3		62.9		-	174	
14	"	"	270°	20' 40"				5.0	11.0	+10.9		79.1		0	175	
15	E	2640	✓					5.0	10.7					0		
16	"	"	90°	04' 47"				13.7		+13.7	92.8			Δ		
17	"	1320	90°	17' 44"				10.0	13.8					Δ		
18	"	0						4.0		-10.8		82.0		-	176	
19	W	1320	✓					5.4		-5.4		87.4		-	177	K
20								5.1		-5.1		87.7		-	178	

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 12
 LINE No.(s) 55 PARTY No. 1182 DATE 13 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadio 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												92.8				
2																
3	N	1600	✓					7.5		-7.5		85.3	0		TRI STA RISE	
4	"	"	90°	05'15"				5.0		-7.5			0			
5												84.0			ELEV	
6												<u>+1.3</u>			MISTIE	
7																
8																
9			TAKE OFF TRI STA RISE									ELEV	84.0			
10	N	1600	✓					7.5		+7.5	91.5		Δ			
11	"	"	90°	05'15"				5.0		+7.5			Δ		(π-177)	
12	W	2640	✓					10.8		-10.9		80.6	⊙	179		
13	"	"	90°	06'22"				6.0		-11.0			⊙			
14	E	2640	✓					11.7		+11.8	92.4		Δ			
15	"	"	90°	02'15"				10.0		11.9			Δ			
16	"	1320	90°	48'00"				10.0		-28.5		63.9	-	180		
17		0						5.4		-5.4		87.0	-	181	π	
18	W	1320	90°	17'00"				4.0		-10.6		81.8	-	182		
19	"	2640	89°	56'15"				5.0		-2.3	-2.4	90.0	⊙	183		φ
20	"	"	87°	03'25"				5.0		-2.5			⊙			

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 13
 LINE No.(s) 55 PARTY No. 1182 DATE 13 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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													90.0			
2																
3	E	2640	89°	53' 05"				5.0	-0.2	-0.3	89.7			Δ	183	
4	"	"	270°	07' 20"				5.0	-0.5					Δ		
5	"	1320	90°	09' 44"				4.0		-7.8		81.9		-	184	
6		0						5.4		-3.4		84.3			185	⊗
7	W	1320	✓					4.3		-4.3		85.4		-	186	
8	"	2640	✓					14.4		-14.4		75.3		⊙	187	
9	"	"	90°	05' 40"				10.0	-14.5					⊙		
10	E	2640	89°	32' 40"				5.0	-15.8	-16.0	59.3			Δ		
11	"	"	270°	27' 45"				5.0	-16.2					⊙		
12	"	1320	90°	52' 35"				4.0		-24.2		35.1		-	188	
13		0						5.4		-5.4		53.9			189	⊗
14	W	1320	90°	19' 50"				4.0		-11.7		47.6		-	190	
15	"	2640	89°	39' 05"				5.0	+10.9	+10.8		70.1		⊙	191	
16	"	"	270°	20' 40"				5.0	+10.7					⊙		
17	E	1320	✓					6.0		+6.0	76.1			Δ		
18	"	"	90°	02' 33"				5.0	6.0					Δ		
19		0						5.4		-5.4		70.7			192	⊗
20																

TI-558B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 14
 LINE No.(s) 55 PARTY No. 1182 DATE 13 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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	Correc-tion	Center Hair			INST.	ROD			
1												76.1				
2																
3	S	440	89°	46' 40"				1.0	+0.7	+0.7		76.8	⊙	TRI STA FOX		
4	"	"	270°	13' 33"				1.0	0.7				⊙			
5												76.0		ELEV		
6												+0.8		MISTIE		
7																
8																
9																
10			TAKE OFF TRI STA FOX ELEV										76.0			
11	S	440	89°	46' 40"				1.0	0.7	+0.7	76.7		A			
12	"	"	270°	13' 33"				1.0	0.7				Δ			
13		0					H1	5.4		-5.4		71.3		192	T	
14	W	1320	90°	22' 32"				4.0		-12.6		64.1	-	193		
15	"	2640	90°	08' 55"				10.0	-17.0	-17.0		59.7	⊙	194		
16	"	"	269°	51' 10"				10.0	-16.9				⊙			
17																
18																
19																
20																

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 15
 LINE No.(s) 55 PARTY No. 1182 DATE 14 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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	Correction			Center Hair	INST.			ROD
1											59.7				
2													194		
3	E	1320	✓							+3.9	63.6		Δ		
4	"	"	89°	57'00"					3.9				Δ		
5		0						H1		-5.4		58.2		195 π	
6	W	1320	90°	22'15"					10.0	-18.6	-18.7		44.9	○ 196	
7	"	"	269°	37'05"					10.0	-18.8				○	
8	E	1320	88°	59'42"					10.0	-13.1	-13.1	31.8		Δ	
9	"	"	271°	00'30"					10.0	-13.2				Δ	
10		0						H1		-5.4		26.4		197 π	
11	W	1320	88°	56'00"					10.0	14.5	+14.4		46.2	○ 198	
12	"	"	271°	03'20"					10.0	14.3				○	
13	E	898	✓						12.8		+12.8	59.0		Δ	
14	E	"	90°	10'35"					10.0	12.8				Δ	
15		0												INT π 198+898	
16	N	468	✓						9.3		-9.3	(50.2)	49.7	-	4
17	S	852	89°	38'50"					5.0		+0.2	(58.2)	59.2	-	5
18										MISTIE		SP 4	-0.5		
19												SP 5	+1.0		
20															

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 16
 LINE No.(s) 55 PARTY No. 1782 DATE 14 Day 4 Mo. 74 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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	Correction	Center Hair			INST.	ROD		
1												59.0			
2															
3	W	422	✓										54.9	199	
4	"	"	89°	18' 17"											
5	E	2640	89°	39' 10"									52.4		
6	"	"	270°	20' 24"											
7	"	1320	89°	19' 15"											
8		0						HI							
9	W	1220	89°	51' 10"											
10	"	2640	89°	39' 50"											
11	"	"	270°	20' 15"											
12	E	1320	✓												
13	"	"	90°	05' 25"											
14	"	0						HI							
15	W	1320	90°	09' 55"											
16	"	2640	90°	15' 48"											
17	"	"	270°	22' 05"											
18	E	1320	89°	28' 20"											
19	"	"	270°	34' 10"											
20		0						HI							

SI-5588

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 17
 LINE No.(s) 55 PARTY No. 1182 DATE 15 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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.	ROD		
1												51.4			
2	W	1320	91°	15' 11"				10.0		-38.9		12.5	-	208	
3	"	2640	89°	42' 33"				5.0	+8.3	+8.3		59.7	⊙	209	
4	"	"	270°	17' 30"				5.0	+8.3				⊙		
5	E	2640	90°	05' 00"				10.0	+14.0	+13.9	73.6		Δ		
6	"	"	✓					13.8	+13.8				Δ		
7	"	1320	90°	19' 45"				4.0		-11.6		62.0	-	210	
8		0					H1	5.4		-5.4		68.2		211	π
9	W	1320	✓					4.4		-4.4		69.2	-	212	
10	"	2640	✓					13.8	-13.8	-13.3		60.3	⊙	213	
11	"	"	90°	03' 35"				10.0	-12.9				⊙		
12	E	2640	✓					7.0	+7.0	+7.1	67.4		Δ		
13	"	"	89°	56' 15"				10.0	+7.3				Δ		
14	"	1320	✓					4.7		-4.7		62.7	-	214	
15		0					H1	5.4		-5.4		62.0		215	π
16	W	1320	90°	37' 11"				10.0		-24.3		43.1	-	216	
17	"	2640	90°	08' 45"				10.0	-16.9	-16.7		50.7	⊙	217	
18	"	"	287°	51' 32"				10.0	-16.6				⊙		
19	E	2475	89°	40' 00"				14.0	-0.3	-0.3	50.4		Δ		
20	"	"	270°	20' 00"				14.0	-0.3				Δ		

TI-558B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 18
 LINE No.(s) 55 PARTY No. 1182 DATE 15 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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	Correction				INST.	ROD			
1											50.4					
2	E	1155	89°	40'58"				6.0		+0.4	50.8	-	218			
3		0													218+1155 T	
4	W	165	91°	45'50"				4.0		-9.1	41.3	-	219			
5	"	1485	90°	35'25"				4.0		-19.3	31.1	-	220			
6	"	2805	✓					14.1	-14.1	-14.1	36.3	⊙	221			
7	"	"	90°	05'00"				10.0	-14.2				⊙			
8	E	1348	89°	40'05"				5.0	-2.8	-2.8	33.5		Δ		L-55 SP 222+28	
9	"	"	270°	19'45"				5.0	-2.7				Δ		L-121 SP 216+797	
10	"	28	✓					5.4		-5.4	28.1	-	222		MARKER PIPE	
11		0													INT T 222+28	
12	S	797	88°	26'15"				5.0		+16.7 (45.0)	50.2	-	216		L-121	
13	N	523						6.3		-6.3 (22.7)	27.2	-	217			
14																
15																
16																
17	W	1292	89°	24'15"				5.0	+8.4	+8.4	41.9	⊙	223			
18	"	"	270°	35'32"				5.0	+8.3				⊙			
19	E	1320	✓					3.3	+3.3	+3.3	45.2		Δ			
20	"	"	89°	55'30"				5.0	+3.3				Δ			

TI-5888

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 19
 LINE No.(s) 55 PARTY No. 1182 DATE 15 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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	Correc-tion	Center Hair			INST.	ROD			
1												45.2				
2		0						HI	5.4		-5.4	39.8		224	X	
3	W	1320	90°	49'05"					4.0		-22.9	22.1	-	225		
4	"	2640	✓						4.2		-4.2	41.0	-	226		
5	"	3135	✓						1.4	-1.4	-1.4	43.8	0	226+495		
6	"	"	89°	55'50"					5.0	-1.4			0			
7	E	2145	89°	09'20"					5.0	-26.5	-26.5	17.3	0			
8	"	"	70°	50'44"					5.0	-26.6			0			
9	"	1320	89°	38'15"					4.0		+4.3	21.6	-	227		
10		0						HI	5.4		-5.4	11.9	-	228	X	
11	W	1320	90°	21'05"					4.0		-12.1	5.2	-	229		
12	"	2640	✓						12.3	-12.3	-12.4	4.9	0	230		
13	"	"	90°	03'00"					10.0	-12.5			0			
14	E	2640	✓						10.2		+10.2	15.1	0			
15	"	"	90°	06'35"					5.0	+10.2			0			
16	"	1320	70°	18'08"					4.0		-10.9	4.2	-	231		
17		0						HI	5.4		-5.4	10.7	-	232	X	
18	W	1320	90°	13'33"					4.0		-9.2	5.9	-	233		
19	"	2640	89°	52'11"					5.0	+0.9	+0.7	15.8	0	234		
20	"	"	270°	07'22"					5.0	+0.5			0			

TI-568B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 20
 LINE No.(s) 55 PARTY No. 1182 DATE 15 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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												15.8		234		
2	E	1320	90°	22'15"				10.0	+18.6	+18.6	34.4		Δ			
3	"	"	269°	37'45"				10.0	+18.6				Δ			
4		0					H1	5.4		-5.4		29.0		235		↑
5	W	1320	✓					15.0		-15.0		19.4		236		
6	"	2640	90°	22'08"				10.0	-27.1	-27.3		7.1	0	237		
7	"	"	269°	37'30"				10.0	-27.4				0			
8	E	2805	✓					6.2		+6.2	13.3		Δ			
9	"	"	89°	50'15"				10.0	+6.3				Δ			
10	"	1485	✓					4.0		-4.0		9.3	-	238		
11	"	165	92°	10'33"				4.0		-10.3		3.0	-	239		
12		0												239+165	π	
13	W	1155	✓					5.0		-5.0		8.3	-	240		
14	"	2475	✓					7.0	-7.0	-7.0		6.3	0	241		
15	"	"	90°	02'44"				3.0	-7.1				0			
16	E	2640	89°	53'27"				5.0	+0.1	+0.1	6.4		Δ			
17	"	"	278°	06'40"				5.0	0.0				Δ			
18	"	1320	89°	51'50"				10.0		-6.9		-0.5	-	242		
19		0					H1	5.4		-5.4		1.0	-	243		π
20	W	1320	✓					4.2		-4.2		2.2	-	244		

TI-500B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 21
 LINE No.(s) 55 PARTY No. 1182 DATE 15 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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.	ROD		
1												6.4			
2	W	2640	89°	54'08"				5.0	-0.6	-0.9		5.5	⊙	245	
3	"	"	270°	05'15"				5.0	-1.1				⊙		
4	E	2640	✓					10.0		+10.0	15.5		⊙		
5	"	"	89°	54'44"				14.0	+10.1				⊙		
6	"	1320	✓					3.1		-3.4		12.1	-	246	
7		0						5.4		-5.4		10.1	-	247	π
8	W	1320	90°	14'14"				4.0		-9.5		6.0	-	248	
9	"	2640	90°	08'40"				10.0	-16.8	-17.0		-1.5	⊙	249	
10	"	"	269°	50'45"				10.0	-17.2				⊙		
11	E	3295	90°	07'55"				10.0	+17.8	+17.8	16.3		⊙		
12	"	"	269°	52'00"				10.0	+17.9				⊙		L-55 SP 251+685
13	"	1975	90°	13'44"				4.8		-12.0		4.3	-	250	L-122 31 357+223
14	"	655	90°	25'30"				4.0		-8.9		7.4	-	251	MARKER PIPE
15		0													INT A 251+
16	S	223	✓					5.3		-5.3	(9.8)	11.0	-	357	L-122
17	N	1097	90°	19'22"				10.0		-16.2	(-1.2)	0.1	-	358	
18									MISTIE		SP 357	+1.2			
19											SP 358	+1.3			
20	W	665	90°	21'50"				4.0		-8.2		8.1	-	252	

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 22
 LINE No.(s) 55 PARTY No. 1182 DATE 15 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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	Correc-tion	Center Hair			INST.	ROD			
1												16.3				
2	W	1985	✓													
3	"	"	90°	06'22"												
4	E	2640	90°	06'45"												
5	"	"	✓													
6	"	1320	90°	26'45"												
7		0						H1								
8	W	1320	✓													
9	"	2640	✓													
10	"	"	90°	01'15"												
11	E	2640	89°	52'40"												
12	"	"	270°	06'30"												
13	"	1320	✓													
14		0						H1								
15	W	1320	90°	04'35"												
16	"	2640	89°	50'00"												
17	"	"	270°	10'00"												
18	E	2640	✓													
19	"	"	90°	06'25"												
20	"	1320	90°	13'05"												

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 23
 LINE No.(s) 55 PARTY No. 1182 DATE 15 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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												24.6				
2		0						41	5.4		-5.4		19.2		263	π
3	W	1320	90°	25'40"					4.0		-13.9		10.7	-	264	
4	"	2640	90°	22'50"					14.0	-31.7	-31.8		-7.2	0	265	
5	"	"	269°	36'55"					14.0	-31.9				0		
6	E	2640	90°	09'16"					14.0	21.2	+21.1	13.9		Δ		
7	"	2 "	269°	51'11"					14.0	20.9				Δ		
8	"	1320	90°	19'40"					10.0		-17.6		-4.3	-	266	
9		0						41	5.4		-5.4		8.5		267	π
10	W	1320	89°	30'11"					10.0	5.3	+5.3		19.2	0	268	π
11	"	"	270°	39'55"					10.0	5.3				0		
12	E	1320	89°	08'30"					14.0	-5.7	-5.7	13.5		Δ		
13	"	"	270°	57'40"					14.0	-5.8				Δ		
14		0						41	5.4		-5.4		8.1		269	π
15	W	1320	✓						6.5		-6.5		7.0	0	270	
16	"	"	90°	03'55"					5.0	-6.5				0		
17	E	1320	89°	46'00"					14.0	8.7	+8.8	15.8		Δ		
18	"	"	✓						8.0					0		
19		0						41	5.4		-5.4		10.4		271	π
20																

TI-388B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 24
 LINE No.(s) 55 PARTY No. 1182 DATE 16 Day 4 Mo. 76 Yr. BOOK No.
 SURVEYOR HELANDER RODMAN MYERS WEATHER: 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												15.8				
2	W	1320	✓						9.2		-9.2		6.6	⊙	272	
3	"	"		90° 11' 00"					5.0		-9.3			⊙		
4	E	2640		89° 43' 15"					5.0		-7.7	-7.5	-0.9	A		
5	"	"		27° 16' 10"					5.0		-7.3			A		
6	"	1320	✓						4.9		-4.9		-5.8	-	273	
7		0						H1	5.4		-5.4		-6.3	-	274	π
8	W	1320	✓						4.9		-4.9		-5.8	-	275	
9	"	2640		89° 27' 50"					10.0	14.6	+14.4		+13.5	⊙	276	
10	"	"		27° 31' 45"					10.0	14.2				⊙		L-55 SP 276 + 803
11	E	803		89° 47' 00"					5.0	+2.2	+2.2	15.7		⊙		L-123 SP 26 + 520
12	"	"		27° 11' 45"					5.0	2.3				A		MARKER PINE
13		0													INT	π L-55 + L-123
14	N	530	✓						6.3		-6.3	(18.8)	9.4	-	26	L-123
15	S	790	✓						6.0		-6.0	(20.7)	9.7	-	27	
16													9.4			
17													11.0			
18	W	517		90° 20' 00"					4.0		-7.0		8.7	-	277	
19	"	1837		90° 04' 50"					4.0		-6.7		9.0	-	278	
20																

TI-598B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 25
 LINE No.(s) 55 PARTY No. 1182 DATE 16 Day 4 Mo. 76 Yr. BOOK No.
 SURVEYOR HELANDER RODMAN MYERS 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.	ROD		
1												15.7			
2	W	3157	89°	58'10"				5.0	-3.5					0	279
3	"	"	✓					3.4		-3.4		12.3		0	
4	E	2640	89°	50'55"				5.0	+1.8	+1.8		14.1		Δ	
5	"	"	270°	09'05"				5.0	+1.8					Δ	
6	"	1320	89°	54'50"				4.0		-2.1		12.0		-	280
7		0													
8	W	1320	90°	07'10"				5.4		-5.4		8.7		-	281 X
9	"	2640	90°	08'22"				14.0		-16.8		-2.7		-	282
10	"	"	269°	57'00"				10.0	-16.6	-16.8		-2.7		0	283
11	E	2640	78°	17'45"				10.0	-17.1					0	
12	"	"	869°	42'15"				14.0	+27.8	+27.8		25.1		Δ	
13	"	1320	90°	20'15"				14.0	+27.8					Δ	
14		0						4.0		-11.8		13.3		-	284
15	W	1320	90°	08'30"				5.4		-5.4		19.7		-	285 X
16	"	2640	✓					4.0		-7.3		17.8		-	286
17	"	"	90°	03'45"				12.9		-12.9		12.2		0	287
18	E	2640	✓					10.0	-13.0					0	
19	"	"	70°	09'00"				11.2		+16.2		23.4		Δ	
20	"	1320	✓					5.0	+11.3					Δ	
								4.7		-4.7		18.7		-	288

TI-568B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 26
 LINE No.(s) 55 PARTY No. 1182 DATE 16 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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												23.4				
2		0						H1	5.4		-5.4	18.0		289	π	
3	W	1320	90°	09'20"					4.0		-7.6	15.8	-	290		
4	"	2640	✓						9.3		-9.3	14.1	0	291		
5	"	-	90°	05'35"					5.0	-9.4			0			
6	E	2640	90°	07'45"					10.0	16.1	+16.3	30.4	0			
7	"	"	289°	51'45"					10.0	16.5			0			
8	"	1320	90°	23'52"					4.0		-13.2	17.2	-	292		
9		0							5.4		-5.4	25.0	-	293	π	
10	W	1320	✓						5.0		-5.0	25.4	-	294		
11	"	2640	✓						9.5		-9.6	20.8	0	295		
12	"	"	90°	06'00"					5.0	-9.8			0			
13	E	2640	✓						8.9		+8.9	29.4	0			
14	"	"	90°	05'00"					5.0	9.0			0			
15	"	1320	90°	08'40"					4.0		-7.4	22.0	-	296		
16		0							H1	5.4	-5.4	24.0	-	297		
17	W	1320	90°	05'25"					4.0		-6.1	23.3	-	298		
18	"	2640	✓						2.0		-2.0	27.4	0	299		
19	"	"	89°	56'0"					5.0	-2.1			0			
20																

TI-558B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA WPR-4 STATE or PROVINCE ALASKA PAGE No. 27
 LINE No. (s) 55 PARTY No. 1182 DATE 16 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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	Correction	Center Hair			INST.	ROD		
1												27.4		299	
2	E	2640	89°	52'50"				5.0	-0.4	-0.3	27.1		Δ		
3	"	"	270°	06'55"				5.0	-0.2				Δ		
4	"	1320	✓					3.6		-3.6		23.5	-	300	
5		0						5.4		-5.4		21.7		301	X
6	W	1320	✓					3.7		-3.7		23.4	-	302	
7	"	2640	89°	53'44"				5.0	-0.3	-0.6		26.5	○	303	
8	"	"	270°	05'35"				5.0	-0.4				○		L-55 SP 303 + 802
9	E	803	✓					8.0		+8.0	34.5		▲		L-124 SP 13 + 375
10	"	"	90°	12'57"				5.0	+8.0				○		MARKER PIPE
11		0						5.4		-5.4				INT	L-55 L-124
12	N	375	✓					6.7		-6.7	(27.8)	27.8	-	13	L-124
13	S	945	✓					7.5		-7.5	(26.2)	27.0	-	14	
14															
15															
16															
17															
18	W	517	90°	11'20"				4.8		-5.7		28.8	-	304	
19	"	1837	89°	44'25"				5.0	3.3	+3.3		37.8	○	205	
20	"	"	270°	15'40"				5.8					○		

TI-558B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 28
 LINE No.(s) 55 PARTY No. 1102 DATE 16 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELAUER RODMAN MYERS 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	Correc-tion	Center Hair			INST.	ROD			
1													37.8		305	
2	E	2640	✓					13.2		+13.2	51.0		Δ			
3	"	"	90°	04'10"				10.0	13.3				Δ			
4	"	1320	90°	16'25"				4.0		-10.3		40.7	-	306		
5		0						5.4		-5.4		45.6		307	π	
6	W	1320	89°	49'30"				4.0		0.0		51.0	-	308		
7	"	2640	89°	49'44"				10.0	-2.3	-2.3		49.7	⊙	309		
8	"	"	270°	10'20"				10.0	-2.2				⊙			
9	E	2640	✓					9.5		+9.5	58.2		Δ			
10	"	"	89°	53'55"				14.0	+9.5				⊙			
11	"	1320	✓					1.0		-1.0		57.2	-	310		φ
12		0						5.4		-5.4		52.8		311	π	
13	W	1320	✓					2.2		-2.2		56.0	-	312		
14	"	2640	89°	56'11"				5.0	-2.2	-2.1		56.1	⊙	313		
15	"	"	270°	04'05"				6.0	-2.0				⊙			
16	E	2640	✓					4.9		+4.9	61.0		Δ			
17	"	"	89°	53'11"				10.0	4.9				Δ			
18	"	1320	70°	04'14"				4.0		-5.7		55.3	-	314		
19		0						5.4		+5.4		55.6		315	π	
20																

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA APR-4 STATE or PROVINCE ALASKA PAGE No. 29
 LINE No.(s) 65 PARTY No. 1182 DATE 16 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR MELANDER RODMAN MYERS WEATHER: _____ 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	W	670	✓									61.0				
3	"	"	89°	33'53"					5.0	-5.0	-5.0		56.0	⊙	▲	RAY
4									10.0	-4.9				⊙		
5													57.0			ELEV
6													-6.0			MISTIE
7	NW	190	✓													
8	"	"	84°	27'22"					3.3		+3.3	59.3		⊙		L-55 315+793
9									5.0	3.2				⊙		L-125 97+113E
10	N	1185														
11	S	135							5.8		-5.8	(57.7)	53.5	-	97	L-55 & L-125
12									6.2		-6.2	(54.6)	53.1	-	98	125
13												MISTIE	SP 97	-		-4.2
14													SP 98	-		-1.5
15	W	527														
16									9.1		-9.1		50.2	-	316	LAST SP
17																
18																
19																
20																

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____