

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 1
 LINE No.(s) 58 PARTY No. 182 DATE 16, 17 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR T FOX RODMAN P. MONOHON WEATHER: COLD -60° P.T.S. No.

1063
2858
2140
1370

LINE	Bearing of Sight	Stadio 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	W	1070		92°-07'-14"												
6	E	2860		91°-06'-11"												
7	W	2014 2140		90°-55'-59"	90°-53'-51"	1.566										
8	E	1320		89°-30'-45"		0.846										
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Carry ELEV ← 93

0 AKOGG

GO TO PAGE 3

FROM PAGE 3, BACK LINE 3
SPR 4660

39.6 +45.6

271.3

Δ 52

55.1 -57.0

212.2

TEMPT

73.5 +46.2

260.4

Δ

11.2 +1.2

267.6

○ AKOGG

GOV'T VALUES

269.0

TIE

-2.4

-4.4

NOTES ARE MARKED BACKWARDS TO TRI-STATION KOGG FROM THE STATION

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STADIA SURVEY NOTES

AREA NPK-4 STATE or PROVINCE AK PAGE No. 42
 LINE No.(s) 78 PARTY No. 182 DATE 6 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHON RODMAN MIKE WEATHER: CLEAR & COOL 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														
2														
3	W		900640				4.0				98.1	⊙	434	
4	E	4170	900640				4.0		+12.1	110.2		⊙	π @ 434+437+210	
5	E	1530	902456				4.0		-13.1		95.1		436	
6	E	210	930842				4.0		-15.5		94.7		437	
7	W	1110	902527				4.0		-12.2		98.0	⊙	438	
8	E	2640	900018				4.0		+4.2	102.2		▲	π @ 440	
9	E	1320	903156				4.0		-16.3		85.9		439	
10		0	-				5.2		-5.2		97.0		440	
11	W	2500	894405				1.4		+16.2	Ground +105.4 Top of Pipe +112.4		⊙	5P 58 @ 441+1180 (over)	
12	E	2780	900526				1.4		+5.8	118.2		▲	π @ 444	
13	E	2640	901054				4.0		-12.4		105.8		442	
14	E	1320	903241				4.0		-16.5		101.7		443	
15		0	-				5.4		-5.4		112.8		444	
16	W	1048	892705				1.6		+8.4		126.6	⊙	TP 59 @ SP 444+1048	
17							1.6			next page		▲		
18														
19														
20														

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 3
 LINE No.(s) 58 PARTY No. 182 DATE 19 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR FOX RODMAN MONOHON WEATHER: -20 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			CARRY ELEVATIONS WEST							FROM SP. 2+660 LINE 58					
2															
3															
4															
5	E.	990		91-11-43	2.08				7.0	+2.06	+27.6	231.3 233.3		A	
6	E	765		90-57-46	1.68				4.0	-2.8	-6.8		244.5	-	S.P.3
7		0							4.8		-4.8		248.5	π	3+280
8	W	990 775		89-17-49	0.36				4.0	+4.1	-0.5		251.1 252.6	⊙	S.P.4
9	E.	1990		90-48-44	1.27				4.0	+25.2	+29.2			Δ	
10	E.	660		92-18-02	3.87				4.0	-25.5	-29.5		252.0	-	SP5
11	W	660							4.0		-4.0		278.6	π	5+660
12	W	660		90-23-03	0.67				4.0	-4.4	-8.4		277.7 273.7	⊙	SP6
13	E	1320		89-29-11	0.89				4.0	-11.8	-7.8	265.3 260.7		Δ	
14		0							4.7		-4.7		260.6	π	SP7
15	W	1320		91-40-27	2.92				4.0	-38.6	-42.6		222.7	-	SP8
16	W	2640		91-27-49	2.55				4.0	-67.4	-71.3		195.8 195.8	⊙	SP9
17	E	1980		89-44-45 88°43'17"	2.23				4.0	-44.2	-40.2	153.8 134.8		⊙	
18	E	660		89 52 02	0.23				4.0	+1.5	-2.5		151.3	-	10
19		0												π	10+660
20	W	660		95-45-24	10.6				4.0	-65.9	-74.9		78.9	-	11

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 4
 LINE No.(s) 58 PARTY No. 102 DATE 1919 Day 2 Mo. 7 Yr. BOOK No. 2
 SURVEYOR FOX RODMAN MONAHAN WEATHER: -20 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.		
1														
2	W	1980		72-05-39	3.64			4.0	- 72.3	-76.3	153.8 122.1	77.5 78.5	0	SP 12
3	W	3300		91-15-43	2.20			4.0	- 72.6	-76.6		77.2	+	SP 13
4	W	4620		70-28-44	0.83			4.0	- 38.4	-42.4		111.45	-	SP 14
5	E	3125		91-38-43	2.87			+4.0	+ 90.0	+94.0	172.5			14+495
6	W	825		89-28-24	0.34			-4.0	+ 2.8	-1.2		177.3	0	SP 15
7	E	2640		90-53-36	1.56			+4.0	+ 41.1	+45.2	216.5			
8		1320		91-17-13	2.25			70.8	- 29.7	-39.7	215.5	175.8	-	16
9		1320						5.6		-5.6		209.9	X	17
10		1320		70-24-15	0.71			4.0	- 9.3	-13.3		202.2	-	18
11		2640		90-18-35	0.54			4.0	- 14.2	-18.2		197.3	-	19
12		3960		90-13-44	0.40			4.0	- 15.9	-19.8		196.5	0	20
13		825		90-25-34	0.75			4.0	+ 6.2	+10.2	206.7			
14											205.8			
15		495		90-18-18	1.41			4.0	- 7.0	-11.0		194.8	-	21
16		1815		90-10-44	0.31			4.0	- 5.7	-9.7		196.1	-	22
17		3135		90-06-05	0.18			4.0	- 5.7	-9.5		196.0	0	23
18		2745		70-17-04	0.50			4.0	+ 10.6	+14.6	210.9			
19		825		90-22-12	0.65			4.0		-9.3		201.6	-	24
20										+3		206.6	X	241835

Notes are worked BACKWARDS TO TRI-ANGULATION POINT

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 5
 LINE No.(s) 58 PARTY No. 182 DATE 19 Day 2 Mo. 25 Yr. BOOK No. 2
 SURVEYOR KOX RODMAN MONOHAN WEATHER: -20 CLOUDY 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												210.9 ✓				
2		495		91-29-07	2.59			-4.0	-12.8	-16.8		194.1	-	SP25		
3		1815		90-23-12	0.68			-4.0	-12.3	-16.3 ✓		194.6	○	SP26		
4		3300		81-58-44	0.19			+4.0	-6.2	-2.0 ✓	193.6		○			
5		1980		90-08-13	0.24			-4.0	-4.7	-8.7		183.9	-	SP27		
6		660		90-54-43	0.17			-4.0	-7.1	-5.1		187.5	-	SP28		
7								4.0				188.6	X	28+660		
8		660		90-32-15	0.94			4.0	-6.2	-10.2		182.4	-	29		
9		1980		90-24-06	0.7			4.0	-13.9	-17.9		174.7	-	30		
10	3300	2640		90-07-16	0.27			4.0	8.7	-12.9 ✓		189.7	○	31		
11												180.3				
12																
13																
14																
15																
16																
17																
18																
19																
20																

NOTES ARE WORKED BACK UPWARDS TO K050
 From Page 2 Line 18

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 6
 LINE No.(s) 58 PARTY No. 182 DATE 20 Day 2 Mo. Yr. BOOK No. 2
 SURVEYOR FOX RODMAN MORROW 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			CARRY ELEVATION @ SP 65									FROM PAGE 11			
2												234.5	✓	58	
3		9075		90°00'31"				+4.0	+6.8	+5.6		239.9	✓		TR EAST of TP 65
4		3790		90°22'45"				4.0	-3.1	-7.1		232.8	-	62	
5		2475		90°17'06"	0.50			4.0	-12.3	-16.3		223.6	4.0	63	
6	F	1155		90°24'07"	0.70			4.0	-8.1	-12.1		227.8	4.0	64	
7	0	1155						3.5		-3.5		236.7	X	64	11.55
8		145		90°25'41"	1.62			4.0	-2.7	-6.7	✓	233.2	✓	65	From A CAMEL
9		1485		90°41'41"	1.21			6.0	-18.9	-24.0		205.9	-	66	
10	2805	2780		90°39'07"	1.379			4.0	-31.6	-35.9	✓	204.0	0	67	To Page 7, line 3
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA NPR4 STATE or PROVINCE AK PAGE No. 7
 LINE No.(s) 58 PARTY No. 182 DATE 21 Day 2 Mo. Yr. BOOK No. 2
 SURVEYOR _____ RODMAN _____ 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															
2		0		-								198.6		70	
3												204.0	✓	72.67	
4	✓	3960		90 20 32					23.6	+27.7	✓	231.7		67	RC 70
5		2640		90 21 16					16.3	-20.8		211.4	-	68	
6		1320		91 41 57						-43.1		188.6	-	69	
7	✓	2640		90 39 26						-34.3	✓	197.4	0	70	
8	✓	825		91 49 16						+30.2	✓	227.6	0	71	RC @ 72+825
9	✓	2145		90 42 03						-30.2		197.4	-	71	RC @ 72+825
10		495		89 43 26						-1.6		226.0	-	73	"
11	✓	660		89 41 54						-0.6		227.0	0	73+	PoS
12	✓	5115		89 53 48						-5.1		221.9		74	
13		3960		90 01 23						-5.6		216.3	-	74	
14		2640		90 37 03						-32.5		189.4	-	75	
15		1320		90 53 09						-24.4		197.5	-	76	
16		0		-						-4.8		217.1	RC	77	
17	✓	1320		89 40 42						+3.4	✓	225.3	0	78	
18															
19															
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 8
 LINE No.(s) 59 PARTY No. 182 DATE 21 Day 2 Mo. Yr. BOOK No. 2
 SURVEYOR Fox RODMAN MONROE HAN WEATHER: 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															
3	✓ 1320			90 07 58					+4.0	+7.1	232.4		225.3	78	
4	1320			90 56 03					14.0	-4.8			227.4		80 - 79
5	0			-					4.8	-35.5			196.9	79	80
6	2640			90 26 03					15.1	-35.1			197.3		81
7	✓ 3960			90 10 18					15.1	-27.0			205.4	0	82
8	✓ 6600			90 05 30					+4.0	+14.6	220.0				
9	5280			90 08 32					4.0	-17.1			202.9		83
10	3960			90 12 01					4.0	-17.8			202.2		84
11	2640			90 08 14					4.0	-18.0			202.0		85
12	1320			90 35 12					4.0	-17.5			202.5		86
13	0			-					4.9	-4.9			215.1		87
14	✓ 1320			89 59 30					4.0	-3.8			216.2		88
15				90 22 50					4.0						
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA N DRA STATE or PROVINCE AK PAGE No. 9
 LINE No.(s) 58 PARTY No. 182 DATE 21 Day 2 Mo. Yr. BOOK No. 2
 SURVEYOR 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																
2																
3												216.2			88	
4	✓	3460		89 55 43					4.0	-0.3	215.9		Δ			
5		2145		90 12 44					4.0	-11.9		204.0	-		89	
6		825		90 30 48					4.0	-11.4		204.5	-		90	
7		0		-					4.7	-4.7		211.2	⊖		90 + 825	
8		495		91 55 40					4.0	-20.6		195.3	-		91	
9		1815		90 24 07					4.0	-16.7		199.2	-		92	
10		3135		90 15 12					4.0	-17.9		198.0	-		93	
11		4455		90 10 32					4.0	-17.7		198.2	-		94	
12	✓	5775		90 08 02					4.0	-17.5		198.4	0		95	
13	✓	495		91 53 01					4.0	+20.3	218.7		Δ			
14		0		-									⊖		95 + 495	
15	✓	825		89 46 25					4.0	-0.7		218.0	0		96	
16		495		70 37 16					4.0	+9.4	227.4		Δ		96 + 495 = 423.4	
17		825		90 37 02					4.0	-12.9		214.5	-		97	
18	✓	2145		90 26 39					4.0	-20.6		206.0	0		98	→ To Page 12, line 1
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 10
 LINE No.(s) 58 PARTY No. 182 DATE 22 Day, 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR ROD RODMAN MONAHAN WEATHER: 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.	ROD		
1				LINE 58 STARTING NG			A			SP 40	X LINE 58 & 29				
2				ELEV OF SP 40 FROM LINE 29 INTERSECTION											
3				from Book 1, Page 4 Line 29								159.2	Δ	SP 40 inter. L29 & L58	
4		0							+3.9	0	+3.9	163.1	Δ	TP 40	
5	W	165	89° 58' 00"		0.06				4.0	+0.1	-3.9	159.2	-	SP 40	
6		148.5	89° 16' 33"		0.25				4.0	+18.6	+4.6	177.7	-	SP 40	
7		116.505	89° 51' 43"		0.24				3.5	+3.9	+0.4	163.5	0	TP 41 + 265.4	
8		0	-						3.8		+3.8	167.3	Δ	K @ 41 + 165.0	
9	E	44.0	93° 08' 52"						4.0		-23.4	138.9	-	A2	
10	W	82.5	89° 41' 55"						0	+2.1	+3.1	169.4	0	TP 42 + 115.5	
11		0	-						3.9		+3.9	173.3	Δ		
12		51.15	90° 21' 20"						4.0	7.0	-5.0	168.3	0	SP 43	
13		165	91° 51' 31"						4.0	+2.5	+6.5	174.8	Δ	K @ 42 = 65	
14			-								+9.3		-	SP 43 + 165	
15		115.5	90° 40' 45"						4.0		-17.7	162.1	-	SP 44	
16		24.75	92° 14' 33"						4.0		-14.5	165.3	-	45	
17		379.5	98° 10' 27"						4.0		-15.9	163.9	-	46	
18		411.5	90° 03' 27"						4.0		-10.5	167.3	-	48	TP 47
19		543.5	89° 55' 44"						4.0		+5.6	185.4	0	49	
20		560.0	89° 56' 09"						4.3	+9.1	+4.8	179.6	0	49 + 165	TP

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE AK PAGE No. 11
 LINE No.(s) 58 PARTY No. 182 DATE 22 Day 2 Mo. 2 Yr. BOOK No. 2
 SURVEYOR FJR RODMAN MONAHAN 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. ○F.S. -S.S.	Station	REMARKS		
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD					
1																		
2		0		-					-4.3	+4.3	✓188.7	184.4		Δ		SP49+165		
3	W	1155		91 08 00					-4.0	-22.7	-26.7	162.0		-		50		
4	W	2475		90 45 52					-4.0	-33.2	-37.2	151.5		-		51		
5	W	3795		90 07 51					-4.0	8.6	-12.7	176.0		0		52		
6	E	2805		89 55 23					+4.0	-3.9	+0.2	176.2		Δ		T@ 54+165		
7	E	1485		92 34 05					-4.0	-63.4	-67.4	108.8		-		53		
8	E	165		101 16 02					-4.0	-31.6	-35.6	140.6		-		54		
9	W	1155		89 44 12					-4.0	+5.4	+1.3	177.5		0		55		
10				90 08 40	0.25				+4.0					Δ				
11				90 11 07					A.0					-		56	} ? NO DISTANCE.	
12				90 13 46					A.0							57		
13				90 09 31	0.276				A.0			234.5		0		58		
14																		
15																		
16																		
17																		
18																		
19																		
20																		

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE AK PAGE No. 12
 LINE No.(s) 58 PARTY No. 182 DATE 23 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR FOX RODMAN MONAHAN 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															
2				90° 16' 12"								206.8			Refer Page 9, Line 18
3															
4		477.6													
5												206.8			
6	E	✓ 4455		89° 57' 05"						+0.4	207.2		Δ	98	R.O 101 + 495
7	E	3135		90° 06' 14"						-9.7		197.5	-	99	
8	E	1815		90° 14' 12"						-11.5		195.7	-	100	
9	E	495		90° 17' 31"						-6.5		200.7	-	101	
10	W	825		90° 20' 22"						-8.9		198.3	-	102	
11	W	20145		90° 24' 02"						-19.0		188.2	-	103	
12	W	3465		90° 05' 07"						-9.2		198.0	-	104	
13	W	✓ 4785		90° 04' 44"						-10.6		196.6	0	105	
14	E	✓ 3135		89° 54' 17"						-1.2	195.4		Δ		R.O 107 + 495
15	E	1815		89° 59' 22"						-3.7		191.7	-	106	
16	E	495		90° 27' 47"						-6.0		187.4	-	107	
17	W	825		90° 31' 27"						-11.5		183.9	-	108	
18	W	2205		90° 20' 40"						-16.9		178.5	0	109	
19		✓ 2145													
20															

TI-5888

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 13
 LINE No.(s) 58 PARTY No. 182 DATE 23 Day 2 Mo. _____ Yr. BOOK No. 2
 SURVEYOR FOR RODMAN MONAHAN 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														
2											178.5	109		
3	✓	1320		90°04'48"				74.0	+5.8	184.3	Δ	K@	SP 110	
4		0		-				4.4	-4.4		179.9	K	110	
5	W	1320		91°14'12"				4.0	-32.5		151.8	-	111	
6	W	2140		90°37'20"				3.0	-41.7		142.6	-	112	
7	W	✓ 3960		90°27'56"				4.0	+36.2		148.1	0	113	
8	E	✓ 3200		90°41'00"				74.0	+43.4	191.5	Δ	K@	SP 115 + 660	
9	E	1980		91°07'40"				4.0	-43.0		148.5	-	114	
10	E	660		93°08'56"				4.0	-40.2		151.3	-	115	
11	W	✓ 660		90°05'14"				4.0	-5.0		186.5	0	116	
12	E	✓ 4785		89°56'14"				74.0	-1.2	185.3	Δ	K@	119 1825	
13	E	3465		90°30'46"				4.0	-35.0		150.3		117	
14	E	2145		90°58'21"				4.0	-40.4		144.9		118	
15	E	825		91°53'57"				12.0	-39.3		146.0		119	
16		495		90°41'51"				4.0	-10.0		175.3	77"	119	
17		1815		89°58'01"				4.0	-3.0		182.3	-	121	
18	✓	3135		89°44'33"				4.0	+10.1		195.4	0	122	
19														
20														

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2nd _____

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 14
 LINE No.(s) 58 PARTY No. 182 DATE 23 Day 2 Mo. _____ Yr. BOOK No. 2
 SURVEYOR _____ RODMAN _____ WEATHER: _____ 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															122	
3	E	165		90°50'52"				4.0	+6.4	201.8	195.4	Δ				π @ 122 + 165
4	W	1155		90-24-26				6.0	-14.2		127.6	-		123		181.9
5	W	2475		90-25-36				4.0	-22.4		179.4	-		124		171
6	W	3795		90°18'57"				4.0	-24.2		176.7	0		125		
7	E	6600		90°02'37"				4.0	+9.0	185.9		Δ				π @ SP-130
8	E	5280		90°12'31"				4.0	-22.2		162.7	-		126		INT 58/174
9	E	3920		90°23'05"				4.0	-30.6		155.3	-		127		INT 180.5
10	E	2640		90°29'27"				9.4	-32.0		153.9	-		128		S.P. 131 + 175
11	E	1320		90-39-09				14.0	-29.0		156.9	-		129		
12	E	1320		90 21 53				4.0	-12.4		173.5	-		130		132 - 20' from 133
13	W	3960		90 15 18				4.0	-21.6		169.3	-		131		163.3 (A.S.)
14	W	5280		90 12 44				4.0	-23.6		162.3	0		132		134
15		6						5.0	-5.0		180.9			120		
16		2805		89 54 10				4.0	-0.8	161.5		Δ				π @ 36 + 165
17		1485		90 07 37				4.0	-7.3		154.2	-		135		
18	E	165		93 07 24				4.0	-13.1		148.4	-		136		
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 15
 LINE No.(s) 58 PARTY No. 182 DATE 23 Day 2 Mo. 25 Yr. BOOK No. 2
 SURVEYOR _____ RODMAN _____ 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											161.5					
3		1155		90 17 59				4.0		-10.0		151.5	-	137		
4	✓	2475		89 37 38				4.0		+12.1		173.6	0	138		
5	✓	3135		89 50 53				4.0		-4.2		169.4	Δ			π @ 140 + 495
6		1815		90 20 21				4.0		-14.7		154.7	-	139		
7		495		91 02 21				6.0		-15.0		154.4	-	140		
8		825		90 42 35				4.0		-14.2		155.2	-	141		
9		2145		90 15 41				4.0		-13.8		155.6	-	142		
10	✓	3465		89 55 33				4.0		+0.5		169.9	0	143		
11	✓	165		92 11 00				4.0		+10.3		180.2	Δ			π 143 + 165
12		1485		90 47 46				6.0		-26.6		153.6	-	144		
13		2805		90 23 01				4.0		-24.4		155.8	-	145		
14		4125		90 15 49				4.0		-23.0		157.2	-	146		
15		5445		90 11 47				4.0		-22.7		157.5	-	147		
16		6135		90 09 05				4.0		-21.0		159.2	0	148		
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA N.P.R. 4 STATE or PROVINCE PAK PAGE No. 16
 LINE No.(s) 5B PARTY No. 182 DATE 23 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR _____ RODMAN _____ 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												159.2		148		
3	✓	2145		91-04-49				4.0		44.9	203.6		Δ			R @ 149 + 825
4		825		91-13-07				4.0		-21.5		182.1	-	149		203.0
5		495		92-50-24				4.0		-28.5		175.1	-	150		4.1
6		1815		90-58-56				4.0		-35.1		168.5	-	151		198.9
7	✓	3135		90-27-23				4.0		-29.9		174.6	0	152		
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 17
 LINE No.(s) 58 PARTY No. 182 DATE 24 Day 2 Mo. 7 Yr. 5 BOOK No. 2
 SURVEYOR _____ RODMAN _____ 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	✓ 49.5			91-11-49					12.0	+22.3	196.9	174.6		Δ	152	
3	0													K	152 + 49.5	
4	825			91 00 50					4.0	-18.10		178.3		-	153	
5	3465			90 51 07					4.0	-55.5		141.4		-	155	1st sense
6	✓ 4290			90 19 23					3.2	-27.4		169.5		○	155 + 825	9/160
7	✓ 0								+4.0	+4.0	173.5			Δ	156	
8	495			90-52-10					4.0	-16.5		157.0		-	156	
9	2135			90 41 20					4.0	-4.6		131.7		-	158	
10	✓ 4455			89 59 52					4.0	-3.8		169.7		○	159	
11	✓ 1320			90-26-22					+2.0	+31.1	200.8			Δ	160 + 5.6	
12	0								4.2	-4.9		195.9		K	160 19013	
13	1326			90 43 02					4.0	-20.5		180.3		-	161	Refer Page 1
14	2840			90-39-23					14.0	-19.1	144.2	156.6		-	162	Page 3
15	✓ 2960			90 21 47					4.0	29.1		171.7		○	163	Line 2X5
16	✓ 1320			90 31 35					+4.0	+16.1	187.8			Δ	K @ 164	
17	0								11.0			183		-	164	
18	✓ 1320			90 06 35					10.0	-12.5		175.3		○	165	
19																
20																

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2nd _____

W.P. 58/7X
 160.6
 S.P. 161 + 790

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 18
 LINE No.(s) 58 PARTY No. 182 DATE 24 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR _____ RODMAN _____ 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															
2															
3		3960		90 13 ²⁹ 45					4.0	+19.5	174.8	178.3	Δ	165	κ @ 168
4		2640		90 54 20					4.0	-45.7		149.1	-	166	
5	E	1320		91 49 09					4.0	-45.9		148.9	-	167	
6		0							5.5	-5.5		189.3	κ	168	
7	W 6600 5280			90 02 34					4.5	+8.8		186.0	0	170.3	
8	E	330		92 32 54					4.0	+19.1	205.1		Δ		κ @ 173 + 330
9	E			90 42 31									-	169	169
10	E	5610		90 26 05					4.0	-46.6		158.5	-	169	
11	E	4290		90 53 23					4.0	-70.6		134.5	-	170	
12	E	2970		91 07 29					4.0	-62.3		142.8	-	171	
13		1650		91-24-28					4.0	-44.5		160.6	-	172	
14		0							4.8	-4.8		200.3	κ	173 + 320	
15	✓	990		91 01 31					4.0	-21.7		183.4	-	174	
16		2310		90 40 44					4.0	-31.4		173.7	-	175	
17		3630		90 25 43					4.0	-31.2		173.9	0-	176	
18	✓	4950		90 03 31					4.0	+9.1		196.0	0	177	
19															
20															

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 19
 LINE No.(s) 58 PARTY No. 82 DATE 24 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR _____ RODMAN _____ 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															
2															
3	E ✓	525		90°32'37"				+4.0		+11.8	207.8	196.0	Δ	177	T @ 177 + 825
4	W	495		91 08 45				4.0		-13.9		193.9		178	
5	W	3135		91 06 28				4.0		-64.6		143.2		180	
6	W	4455		90 37 14				4.0		-52.2		155.6		181	
7	W ✓	5775		90 24 58				4.0		-45.9		167.9	0	182	
8	W	1815		91-24-48				21.0		-69.2		143.6		179	
9	E ✓	1320		91 34 55				4.0		+40.4	202.3		Δ ¹⁸²		T @ 182
10		0 ✓		-				5.3		-5.3		197.0	-	183	
11	W	4320						4.0					-	183	
12	W	1320 2640 ✓		89-42-26				4.0		+2.7		205.0	0	184	T @ 184 + 995
13		7075 445		91 04 43				4.0		+13.3	218.3		Δ		T @ 185 + 995
14		715 425		90-38-27				5.0		-14.2		204.1	0	185	
15		✓ 4455		90 17 19				4.0		+26.4	230.5		Δ		T @ 188 + 995
16		3135		91 18 13				4.0		-75.3		155.2	-	186	
17												155.2	-	187	SAME AS 186
18		495		91-15-45"				4.0		-14.9		205.6	-	188	
19		4455		90 17 12				+4.0		+26.3	230.4		Δ		Now B.S. ON 185
20															WT 50/43 T @ 188 + 495

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 20
 LINE No.(s) 58 PARTY No. 182 DATE 24, 25 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR _____ RODMAN _____ 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												230.4				
3		225		91 36 43				4.0		-27.2		203.2	-	189	193.7	
4	E ✓	2145		90 36 10				4.0		-26.6		203.8	0	190	177.5	
5																
6	E ✓	1815		90-22-48				+14.0		+31.8		235.6				K @ 191 + 495
7	E	495		90-21-21				-4.0		-7.1		228.5		191	188.8	
8				90 18 28				1.0						191	177.5	
9				90 18 47				4.0						193		
10	✓	3465		90-18-47				4.0		-22.9		212.7	0	194	178.8	
11	✓	0		-				+5.7		+5.7		218.4				K @ 194
12	E	2646		90-23-04				4.0		-21.7		196.7	-	192	172.6	
13	E	1320		90-44-57				4.0		-21.3		197.4	-	193	170.6	
14	W	1320		90 34 11				4.0		-17.1		201.3	-	195	170.2	
15		2640		90-23-47				4.0		-29.9		188.5	-	196	169.7	
16		3960		89-59-09				4.0		-3.0		215.4	-	197	183.2	
17		5280		89-59-47				4.0		+4.0		222.4	-	198	184.4	
18	✓	6620		89 52 40				4.0		+10.1		228.5	0	199	189.7	
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 21
 LINE No.(s) 58 PARTY No. 182 DATE 25 Day 2 Mo. _____ Yr. BOOK No. 2
 SURVEYOR _____ RODMAN _____ 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															
2												228.5		199	177.3
3	E ✓	3960		90 07 51				+4.0	+13.0		241.5		Δ		
4	E	2640		90 59 50				4.0	-49.9			191.5	-	200	177.1
5	E	1320										191.5	-	201	ON LAKE SAME AS 200
6		0		-				5.3	-5.3			236.2	κ	202	199.4
7	W ✓	1320		89° 34' 18"				4.0	+5.9			247.4	0	203	204.0
8	✓	370		91-00-49				+4.0	+10.5		257.9		Δ		
9		0		-				4.3	-4.3			253.6	κ	203+370	
10	✓	950		90-31-17				11.0	-19.6			238.3	0	204	-198.1
11	✓	4455		90 25 47				+4.0	+37.4		275.7		Δ	205	207+495
12		1815		91 17 37				4.0	-45.0			230.7	-	206	177.7
13		495		92 18 52				4.0	-24.0			251.7	-	207	203.6
14		825		89 56 54				4.0	-3.3			272.4		208	213.0
15	✓	2145		89 52 08				4.0	+0.9			276.4	0	209	214.5
16	✓	1320		90-16-50				+4.0	+10.5		287.1		Δ		
17		0		-				5.8	-5.8			281.3	κ	210	215.9
18	✓	1640		90-13-18				9.0	-19.3			267.8	0	213	
20	✓	3960													

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2nd _____

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 22
 LINE No.(s) 58 PARTY No. 182 DATE 25 Day 2 Mo. 25 Yr. BOOK No. 2
 SURVEYOR _____ RODMAN _____ WEATHER: _____ 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												234.0	267.8	213	
2	E ✓	495		91 14 02					4.0	+19.7	✓	282.5		Δ	π@213+495
3	E	3135		90 29 31					4.0	-30.9		(203.1)	251.6	-	211 INT 58/5x
4	E	1815		91 26 46					4.0	-49.8		(183.9)	232.7	-	212 198.1
5	W ✓	825		89 52 24					4.0	-2.2	✓		280.3	✓	214 S.P. 211+790
6	E ✓	4125		89 44 38					4.0	-14.4	✓	265.9		Δ	π@217+165
7	E	2805		89 58 14					4.0	-2.6			263.3	-	215
8	E	1985		90 36 58					4.0	-20.0			245.9	-	216
9	E	165		92 10 28					4.0	-10.3			255.9	-	217
10	W ✓	1155		89-22-48					4.0	+8.5	✓		274.4	0	218
11	E ✓	2475		90-07-66					4.0	+15.7	✓	290.1		Δ	π@219+1155
12		1155		90-21-14					4.0	-11.1			279.0	-	219 H.L. = 4.05
13		165		91 18 39					4.0	-7.8			282.3	-	220 290.1
14		1985		90 35 35					4.0	-19.4			270.7	-	221 -4.5
15		2805		90 15 11					4.0	-16.4	✓		273.7	0	222 285.6
16												(225.2)			
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE AK PAGE No. 23
 LINE No.(s) 5B PARTY No. 182 DATE 26 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHAN RODMAN MIKE WEATHER: _____ P.T.S. No. _____

1/2 stadia
5.0-11.6

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	✓	1320		89 23 76				+5.0		-9.2 ✓	264.5		273.7	Δ	222	
4		0		-				5.2		-5.2			259.3	-	223	K @ 223
5	✓	1320		89 39 42				5.0		+2.8 ✓			267.3	0	224	
6	✓	1320		89 33 45				+2.0		-9.1 ✓	259.2			Δ	225	
7		0		-				5.7		-5.4			253.8	-	225	
8	✓	1320		90 48 50				5.0		-23.7 ✓			235.5	0	226	
9	✓	1320		89 48 40				+5.0		+0.7 ✓	236.2			Δ		
10		0		-				5.4		-5.4			230.8	-	227	227
11				89 48 46				5.0							227	
12	✓	1320		88 45 37				13.0					251.8	0	228	
13	✓	1320		88 07 09				+5.0		-39.3 ✓	212.5			Δ		K @ 229
14		0		-				5.3		-5.3			208.2	-	229	
15	✓	1320		91 02 11				5.0		-45.0 ✓			168.5	0	230	
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 24
 LINE No. (s) 50 PARTY No. 182 DATE 2007 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MORNO HON RODMAN MIKE WEATHER: SNOWY 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															
2											168.5		230		
3	✓	1320		90 36 21				5.0	+19.0	187.5		Δ		From Fly. 186	
4		0		-				5.7	-5.7	181.8		0	231		
5	✓	1320		90 04 19				5.0	-6.7	157.4		0	232	INT 58/49	
6	✓	1320		89 37 45				5.0	-3.6	177.2		Δ		153.53 (A.S.)	
7		0		-				5.4	-5.4	171.8		Δ	233	S.P. 232 + 660	
8	✓	1320		88 59 10				5.0	+18.4	195.6		0	234		
9	✓	825		92 16 57				6.0	+38.6	234.2		Δ		π @ 234 + 825	
10		495		89 52 09				4.0	-2.9	231.3		0	235		
11	✓	1815		89 59 41				4.0	-3.8	230.9		0	236		
12	✓	1320		90 27 41				4.0	+14.6	245.0		Δ		π @ 237	
13		0		-				5.3	-5.3	239.7		0	237		
14	✓	1320		90 22 22				5.0	-13.6	231.4		0	238		
15	✓	990		89 37 02			10.4	7.0	+10.4	241.8		Δ			
16		0		-				3.8	-3.8			0	238	TP 238 + 990	
17	✓	330						5.6				0	239		
18															
19															
20											14.9				

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 25
 LINE No.(s) 59 PARTY No. 182 DATE 28 Day 2 Mo. 76 Yr. BOOK No. 2
 SURVEYOR MONDROW RODMAN MOONEY WEATHER: SNOWY P.T.S. No. _____
Mooney

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															
3	✓	6105		89°27'45"								221.3		239	
4		4785		81°40'58"								190.5	-	240	π @ 243 + 825
5		3465		89°41'56"								182.2	-	241	
6		2145		81°52'21"								168.8	-	242	
7		825		70°16'02"								160.2	-	243	
8		495		90°54'00"								156.2	-	244	
9		1815		90°14'56"								156.1	-	245	
10		3135		90°08'57"								155.8	-	246	
11		4455		90°07'08"								154.8	-	247	
12		5775		89°44'31"								190.0	-	248	
13	✓	7095		89°39'26"								206.4	○	249	
14	✓	495		90°13'33"								212.4	▲		π @ 249 + 495'
15		825		90°48'46"								196.7	-	250	
16		2145		90°31'04"								189.0	-	251	
17	✓	3465		90°20'30"								187.7	○	252	
18	✓	1815		90°11'44"								214.0	▲		π @ 253 + 495'
19	F	495		91°11'44"								199.7	-	253	
20	W	1825		90°51'59"								197.5	-	254	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 26
 LINE No.(s) 58 PARTY No. 192 DATE 28 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONAHAN RODMAN MOONEY 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												214.0			
2															
3		2145		90°48'02"				4.0		-30.8		183.2	-	255	Worked
4		3465		90°23'23"				4.0		-27.6		186.4	-	256	back to #
5	✓	4785		90°12'45"				4.0		-21.7	✓	192.3	○	257	SP. 238 + 9.20
6	✓	1485		90°08'11"				4.0	?	+7.5	✓	199.8	Δ		π 258 + 165'
7	165	1158		90°39'26"				4.0		-5.9	47.2	194.9	-	258	
8	1135	2475		90°49'51"				4.0		-20.7	39.9	Grd. (186.3)	✓	259	179.1
9	2475	3745		90°09'32"				1.6		-8.5	42.4	191.3	○	260	Shoot on cross of TARGET
10	✓	0		-				2.2	?	+2.2	✓	193.5	✓	260	π 260
11	✓	1320		90°05'24"				4.0		-6.1			✓	261	SP. 261 = SP. 262
12	✓	3960		89°26'36"				4.0		+34.5	✓	228.0	○	262	TP 263
13		0		-				4.9		+4.8			Δ		π 263
14															Elev @ 262 is from Reciprocals
15															
16															
17															
18															
19															
20															

INT 58/3x
 178.4 (A.S.)
 S.P. 261 + 525

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 27
 LINE No.(s) 58 PARTY No. 182 DATE 1 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHAN RODMAN Mooney WEATHER: Clear + mild -10° P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	SEAMAN 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															
2															
3															
4	✓	0		-											
5	W	1320		90 30 03											
6	W	2640		90 16 53											
7	W ✓	3960		90 14 36											
8	Wx	5280		90 14 32											
9															
10	E ✓	1485		89° 31' 52"											
11	E	165		94° 31' 21"											
12	W	1155		90 53 58											
13	W 2975 1475			90 12 46											
14	E ✓	495		90 38 49											
15	W	825		91 19 52											
16	W	2145		91 00 18											
17	W ✓	3465		90 28 08											
18	E ✓	5280		90 04 20											
19	E	3690		90 17 20											
20	E	2640		90 33 07											

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 28
 LINE No.(s) 58 PARTY No. 182 DATE 1 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONAHAN RODMAN MOONEY 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																
2												188.7				π @ 276
3	E	1320		904597				4.0		-21.5		167.2	-	275		
4	-	0		-				4.8		-4.8		183.9	-	276		
5	W	1320		902150				4.0		-12.4		176.3	-	277		
6													✓	2		
7	W ✓	3960		895031				3.3		+7.6		196.3	⊙	279		CROSS ON T.P.
8																
9	W	90		0 00 00				7.0		5 7.0			-	Δ		π @ 278 + 180
10		1190		9241 04				5.0		-60.7			-	278		
11		0		-				74.5		+4.5 ✓	200.8		Δ	Δ		π @ 279
12	W	1320		902749				4.0		-14.7		186.1	-	280		
13	W	2640		9021 25				10.0		-26.4		174.4	-	281		
14	W ✓	3960		9021 59				4.0		-29.3 ✓		171.5	⊙	282		
15	E ✓	1320		9121 08				74.0		+35.7	206.7		Δ			π @ 283
16		0		-				5.2		-5.2		201.5	-	283		
17	W	2640		895435				4.0		+0.2		206.9 ✓	-	285		
18		2805		894848				4.7		+4.4 ✓		211.1	⊙	T.P.		285+165
19																
20																

Full STADIA
 6.5 7.5
 2.0 H-29

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE AK PAGE No. 29
 LINE No.(s) 58 PARTY No. 182 DATE 1 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONAHAN RODMAN MIKE WEATHER: WARM 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															
2											211.1		TP	285+165	
3	✓ 0							4.8	+4.8 ✓	215.9		Δ			
4	E	1485		90 28 29				4.0	-16.3		199.6	-	284		
5	W	1155		90 44 41				4.0	-19.0		196.91	-	286		
6	W ✓	2475		91 35 17				4.0	-29.4 ✓		186.5	○	287		
7	✓	6105		90 15 41				4.0	+31.9 ✓	218.4 ✓		Δ		X @ 291 + 825	
8		4785		90 38 43				4.0	-57.9		160.5	-	288		
9		3465		91 25 53				4.0	-90.5		127.9	-	289	ON LAKE	
10											127.9	-	290	ON LAKE SAME 289	
11											127.9	-	291	ON LAKE	
12	W	495		89 58 42				4.0	-3.8		214.6	-	292		
13	W	1815		90 00 27				10.0	-10.2 ✓		208.2 ✓	-	293		
14	W ✓	3135		90 03 48				5.0	-8.5 ✓		209.9	○	294		
15	E ✓	5775		87 44 30				4.0	-22.0 ✓	187.9		Δ		X 298 + 495	
16	E	4455		89 53 30				4.0	+4.4		192.3	-	295		
17	E	3135		90 23 13				4.0	-27.0		160.9	-	296		
18	E	1815		90 51 16				4.0	-31.1		156.8	-	297		
19	E	495		90 58 52				7.0	-15.5		172.4	-	298		
20	W														

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 30
 LINE No.(s) 58 PARTY No. 182 DATE 1 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONAHAN RODMAN MIKE WEATHER: WARM 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												187.9				R@298+495
3	W	825		90 32 53				4.0		-13.1		174.8	-	299		INT 58/36
4	W	2145		90 34 11				3.0		-24.3		163.6	-	300		150.7
5	W	3465		89 49 20				4.0		+6.8		199.7	-	301		S.P. 299 + 1190
6	W ✓	4785		89 43 18				4.0		+19.0 ✓		206.9	0	302		
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 31
 LINE No.(s) 58 PARTY No. 182 DATE 2 Day 3 Mo. 73 Yr. BOOK No. 2
 SURVEYOR MONAHAN RODMAN MIKEL WEATHER: COLD 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															
3												✓ 206.9		302	
4	E	✓ 1320		90 02 15				4.0		+4.9	✓ 211.8		Δ		K @ 303
5	-	0		-				2.7		-2.7		209.1	-	303	TOP OF Kebar A
6		1320		90 46 45				4.0		-21.9		189.91	-	304	
7	✓ 3960	2640		90 45 08				4.0		-56.0		155.8	0	306	
8	E	✓ 1320		90 31 15				4.0		+16.0	✓ 171.8		Δ		K @ 307
9		0		-				5.4		-5.4		166.9	-	307	
10	W	✓ 1320		90 30 48				4.0		-15.8		156.0	0	308	
11	W			90 31 52				4.0					0	309	
12	E	✓ 3960		89 11 26				4.0		-51.9	✓ 104.1		Δ		K @ 311
13	F	2640		89 09 32				4.0		+34.8		138.9	-	309	
14	E	1320		90 12 33				4.0		-8.8		95.3	-	310	
15		0		-				5.3		-5.3		98.8	-	311	
16		1320		90 45 26				11.0		-28.4		75.7	-	312	
17		3960		90 15 01				10.0		-27.3		76.8	-	313	Same as 313
18	✓	4670		89 58 18				7.7		-5.4		98.7	0	314	+710
19															
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 32
 LINE No.(s) 58 PARTY No. 182 DATE 2 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONAHAN RODMAN MIKE 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												98.7		314	+716
3		610		88 31 06				7.7		-8.1	90.6		Δ		700 315
4		0		-				5.2		-5.2		85.4	-	315	
5	W	1320		90 05 38				4.0		-6.2		84.4	-	316	
6	W	2640		90 04 11				4.0		-7.2		83.4	-	317	
7	W	3960		90 00 30				4.0		-9.6		81.0	-	318	
8	W	5280		89 59 43				4.0		-3.6		87.0	0	319	
9	E	4787		90 09 19				4.0		+17.0	104.0		Δ		7 322 + 827
10		0		-				1.7		1.7			-	TP	322 + 827
11	E	2467		90 14 05				4.0		-18.2		85.8	-	320	2 = elev
12	E	2147		91 13 40	90 22 55			4.0		-13.3		85.7	-	321	
13	E	827		91 13 24				4.0		-21.7		82.3	-	322	
14	W	493		89 46 01				4.0		-6.0		98.1	-	323	
15	W	1813		89 57 25				4.0		-3.7		100.3	0	324	INT 58/57
16	E	5280		90 00 11				4.0		+4.3	104.6		Δ		80.2 (A.S.) S.P. 324 + 1190
17	E	3960		90 34 45				4.0		-44.0		60.6	-	325	
18	E	2640		90 51 46				4.0		-43.7		60.9	-	326	
19	E	1320		91 31 14				4.0		-39.0		65.6	-	327	
20		0		-				5.1		-5.1		99.5	-	328	

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STADIA SURVEY NOTES

AREA MRR-4 STATE or PROVINCE AK PAGE No. 33
 LINE No.(s) 58 PARTY No. 197 DATE 2 Day 3 Mo. Yr. BOOK No. 2
 SURVEYOR MUNDHON RODMAN MIKE WEATHER: FINE 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																
3	W ✓	1155		89 32 40							104.6 ✓	107.3 ✓	○	TP	326 N45°50' from Repr. 238 + 1155	
4	✓	0		0									Δ		Top Re bar @ 328 + 1155	
5	W	165		91 59 17								101.1	-	239	329	
6	W	1485		90 39 49								89.9	-	330		
7	W	2805		90 21 10								89.3	-	331		
8	W	4125		90 09 30									-			
9	E ✓	7425		90 12 10								154.4 ✓	95.2	○	332	TP @ 337 + 825
10	E	6105		90 33 57												
11	E	4785		90 25 31												
12	E	3965		90 28 42												
13	E	2145		90 27 00												
14	E	825		90 50 09												
15		0														
16	W ✓	495		90 17 14												
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE _____ PAGE No. 34
 LINE No.(s) 58 PARTY No. 182 DATE 3 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONAHAN RODMAN MIKE WEATHER: CLEAR COOL P.T.S. No. _____
HAZY

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												121.1	Δ	238	
3	E ✓	2640		89 20 20				22.0		-3.7 ✓	117.4		Δ		π @ 340
4	E	1320		89 29 48				15.0		-3.4		119.0	-	239	
5	W ✓	1320		91 12 47				4.0		-31.9		85.5	-	241	
6		0		-				5.2		-5.2 ✓		112.2	○	340	
7	E ✓	2145		89 51 54				+4.0		-1.1 ✓	111.1		Δ		π @ 341 + 825
8	W	495		90 35 21				4.0		-9.1		102.01	-	342	-5999 + 4.9
9	W ✓	1815		90 30 21				4.0		-20.0 ✓		91.1	○	343	ON LAKE
10		3135		↓ (2)				✓ (1)				(?)	○	344	= 343 ON SAME LAKE
11	E ✓	495		91 32 57				+4.0		+17.4 ✓	108.5		Δ	?	π @ 344 + 495
12	W	825		90 09 43				4.0		-6.3		102.21	-	345	-5999 + 4.9
13	W ✓	2145		90 03 53				5.0		-7.4 ✓		101.1	○	346	
14	E ✓	2640		90 27 05				+4.0		+24.8 ✓	125.9		Δ		π @ 348
15	E	1320		90 30 54				4.0		-15.9		110.0	-	347	
16		0		-				5.3		-5.3		120.6	-	348	
17	W ✓	1320		90 25 16				4.0		-13.7 ✓		112.2	○	349	
18	E ✓	825		90 15 05				+3.4		+9.0 ✓	121.2		Δ		π @ 349 + 925
19	W	495		90 56 31				4.0		-12.1		109.1	-	350	-5999 + 4.8
20	W	1815		90 36 56				4.0		-23.5		97.7	-	351	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AR PAGE No. 35
 LINE No.(s) 58 PARTY No. 182 DATE 3 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONAHAN RODMAN MIKE WEATHER: HAZY COLD 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												121.2			
2															
3	W	3135		90 06 58				4.0		-10.4		116.84	-	352	INT 58/39 132.7
4	W ✓	3018.7		89 57 37				6.4		-3.8 ✓		117.4	0	TP	
5	E ✓	3276.3		89 35 00				6.4		-17.4 ✓	100.0		Δ		K @ 355
6	E	2640		89 52 34				4.0		+1.7		101.7	-	353	
7	E	1320		90 05 09				10.0		-2.0		98.0	-	354	
8		0		-				4.9		-4.9		96.1	-	355	
9	W	1320		90 42 45				4.0		-20.4		79.6	-	356	
10	W	2640		89 54 54				4.0		-3.9 ✓		96.1	0	357	
11	E ✓	4785		89 56 15				5.4		+0.2 ✓	96.3		Δ		K @ 360 + 825
12	E	3465		90 11 37				4.0		-15.7		80.6	-	358	
13	E	2145		90 29 13				4.0		-22.2		74.1	-	359	
14	E	825		90 58 35				4.0		-18.1		78.2	-	360	
15	W	495		93 28 12				4.0		-22.9		62.4	-	361	Δ 599 + 4.8
16	W	1815		90 59 57				4.0		-25.6		60.7	0	362	
17	W	3135		90 21 27				4.0		-23.6		72.7	-	363	
18	W	4455		90 14 19				15.0		-33.6		62.71	-	364	
19	W ✓	3135		90 21 27				4.0		-23.6 ✓		72.7	0	363	
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 36
 LINE No.(s) 58 PARTY No. 182 DATE 3 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHON RODMAN MIKE WEATHER: 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																
3	E ✓	4125		89 53 13				4.0		-4.1	✓ 168.6	72.7	✓ #	363		Δ 366 + 165.1
4	E	1485		90 07 16				4.0		-7.1		61.5	-	365		
5	E	165		92 34 34				4.0		-11.4		57.2	-	366		
6	W	1155		90 12 29				10.0		-14.2		59.4	-	367		→ 53 / 590
7	W	2475		90 06 52				4.0		-8.9		59.7	-	368		
8	W	3795		89 48 26				15.0		-2.2		66.41	-	369		
9	W ✓	4290		89 27 14				6.7		+34.2	✓	102.0	○	TP 369 + 495		
10	E ✓	4785		89 55 15				2.2		-4.4	✓ 98.4		Δ			T @ 373
11	W E	3960		90 02 40				4.0		-7.1		91.3	-	370		
12	W E	2640		90 18 58				5.0		-19.6		78.8	-	371		
13	W E	1320		90 30 25				4.0		-15.7		82.7	-	372		
14		0		-				5.3		-5.3		93.1	-	373		↓
15	W	1320		90 15 51				4.0		-10.1		88.3	-	374		
16	W ✓	2640		90 07 51				4.0		-10.0	✓	88.4	○	375		
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 37
 LINE No.(s) 58 PARTY No. 182 DATE 4 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONAHAN RODMAN MIKA WEATHER: COOL CLEAR -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.	ROD			
1																
2																
3	E ✓	495		9139.40				10.0		+24.3	112.7	88.4 ✓	Δ	375		↑
4	W	825		8959.14				4.0		-2.8		108.9	-	376		
5	W ✓	2145		8946.02				17.0		-8.3		104.4	○	377		
6	E ✓	2640		9034.56				4.0		+30.8	135.2		Δ			↑
7	E	1320		9116.25				4.0		-33.3		101.9	-	378		
8		0		-				5.1		-5.1		130.1	-	379		
9	W	1320		8949.16				17.0		-12.9		122.3	↓	380		
10	W ✓	1907.8		8950.15				6.4	CFs	-1.0		134.2	○			TP 380+5878 NA-54
11	E ✓	2877.2		8951.54				6.4		-0.4	133.8		Δ			↑ 382+825
12	E	2145 495		9004.35				4.0		-6.9		126.9	-	381		
13	E	825		9019.30				4.0		-8.7		125.1	↓	382		
14	W 495 2145	2145		9109.06				4.0		-13.9		119.9	○	383		123.3 (A.S.)
15	E ✓	2145		8944.32				4.0		-5.7	114.2		Δ			↑ 384+825
16	E	825		9100.18				6.0		-20.5		94.2	-	384		
17	W	495		9118.58				4.0		-15.4		98.8	-	385		
18	W	1815		9031.21				4.0		-20.6		93.6	↓	386		
19	W ✓	3135		9017.23				4.0		-19.9		94.3	○	387		
20																

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STADIA SURVEY NOTES

AREA NPK-4 STATE or PROVINCE _____ PAGE No. 38
 LINE No.(s) 58 PARTY No. 182 DATE 4 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MORVONAN RODMAN MKR WEATHER: CLEAR & COOL 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																
3																
4	E 3960	1320		90154				4.0		722.1 116.4		94.3	0	387		
5	E	2640		902210				4.0		-21.0		95.4	-	388		π @ 390
6	E	1320		904117				4.0		-19.9		96.5	-	389		
7		0		-				5.3		-5.3		111.15	-	390		
8	W	1320		899915				4.0		+4.0		120.4	0	391		
9	E ✓	1320		900016				5.0 5.6		+4.1		124.5	Δ			π @ 392
10		0		-				5.6		-5.6		118.9	-	392		
11	W	1320		903041				4.0		-15.8		108.7	-	393		
12	W	2640		901844				4.0		-18.4		106.1	-	394		
13	W	3960		900851				4.0		-14.2		110.31	-	395		
14	W ✓	5280		900518				4.0		-12.1		112.4	0	396		
15	E ✓	1485		902614				4.0		+15.3		127.7	Δ			π @ 397 + 165
16	E	165		923622				4.0		-11.5		116.2	-	397		
17	W 1155	1485		902200				4.0		-11.4		116.3	-	398		
18	W 2175	2805		901312				4.0		-13.5		114.2	-	399		
19	W 3795	4125		900152				4.0		-6.1		121.61	-	400		
20	4943	5275		900013				1.7		-2.0		125.7	0	TP		@ 400 + #581148

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AREA NPR 4 STATE or PROVINCE AK PAGE No. 39
 LINE No.(s) 58 PARTY No. 182 DATE 6 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHON RODMAN MIKE WEATHER: CLEAR COOL 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															
2											✓ 125.7		N4-55	SP 400 + 1148	
3	E	✓ 4132		89 48 08				4.2	-12.6	✓ 113.1		Δ	401	T @ 404	
4	E	3960		89 50 11				4.0	+ 7.3		120.4		401		
5	E	2640		89 55 07				4.0	- 0.2		112.9		402		
6	E	1320		90 04 34				4.0	- 5.8		107.3		403		
7		0		-				5.3	- 5.3		107.8		404		
8	W	1320		90 06 47				4.0	- 6.6		106.5		405		
9	W	✓ 2640		90 06 14				4.0	- 8.8	✓ 1	104.3	0	406		
10	E	3795 3465		90 04 04				4.0	+ 8.5	✓ 112.8		Δ	407	T @ 408 + 825	
11	E	2475 2145		90 06 41				4.0	- 8.8		104.0	-	407	CHAIN ERROR .330 XTRA IN 408-409	
12	E	1155 825		90 13 15				4.0	- 8.5		104.3	-	408		
13	W	495		89 35 19				11.0	- 8.0		104.81	-	409		
14	W	✓ 1815		89 40 29				4.0	+ 6.3	✓ 1	119.1	0	410		
15	E	1320		90 06 49				4.0	+ 6.6	✓ 125.7		Δ	411	T @ 411	
16		0		-				5.2	- 5.2		120.5		411		
17	W	✓ 1320		90 00 11				4.0	- 4.1		121.6		412		
18	W	2640		89 55 49				4.0	- 0.8		124.91		413		
19	W	3960		89 55 56				1.6	+ 2.5	✓	128.2	0	413	T @ 413 + 825	
20		✓ 3465													

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 40
 LINE No.(s) 58 PARTY No. 182 DATE 6 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHAN RODMAN MIKE WEATHER: CLEAR + COOL 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.			
1															
2															
3															
4	E	3630 ✓		89 51 19				1.6	-1.2	127.0			A	413	TR 56 @ 413 + 825 K @ 416 + 495
5														4	
6	N	647		90 05 23				4.0	-5.0		105.2			414	HI 2.4 Above P.M.E
7	E	3135		89 56 25				4.0	-0.7		126.3			415	113.4 (A.S.)
8	E	1815		89 52 42				4.0	-0.1		126.9				Intersection Lvs. 58 + 47
9	E	975		91 07 33				0.0	-19.2		107.8				
10	E	995		91 23 27				4.0	-16.0		111.0			416	
11	W 825	1815		90 36 11				4.0	-17.5		109.5 ✓			417	
12	W	2145		90 21 08				4.0	-17.2 ✓		109.8			418	
13	E ✓	2805		90 13 42				4.0	+15.2	125.0			A		K @ 420 + 165
14	E	485		90 35 31				4.0	-19.3		105.7			419	
15	E	165		93 41 21				4.0	-14.6		110.4 ✓			420	
16	W	1155		89 48 27				4.0	-0.1		124.9			421	
17	E 995	1650		91 17 35				4.0	+15.2	140.1			A		K @ 421 + 495
18	W	825		91 47 51				4.0	-29.9		110.2 ✓			422	
19	W ✓	2145		90 43 10				4.0	-30.9		109.2			423	
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 41
 LINE No.(s) 58 PARTY No. 182 DATE 6 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHON RODMAN MIKE WEATHER: CLEAR + COOL 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															
3															
4	E	3960		900145				4.0		+6.0	115.2	109.2	Δ	423	TP @ 426
5	E	2640		900237				4.0		-5.9		109.3		424	
6	E	1320		900408				4.0		-5.6		109.6		425	
7		0		-				5.0		-5.0		110.2		426	
8	W	1320		900334				4.0		-5.4		109.8		427	
9	W	2640		895854				4.0		-3.2		112.01		428	
10	W	3626.7		893109				2.3		+28.1		143.3	Δ	TP 57	SP 428+986.7
11	E	2973.3		893229				2.3		-21.5	121.8		Δ		TP @ 431
12	E	2640		900852				4.0		-10.8		111.0		429	
13	E	1320		900658				4.0		-6.7		115.1		430	
14		0		-				5.2		-5.2		116.61		431	107.1 (A.S)
15	W	1320		901701				4.0		-10.5		111.3	Δ	432	
16	E	165		904529				4.0		+6.2	117.5		Δ		TP @ 432+165
17	W	1155		904037				4.0		-17.6		99.9	Δ	433	
18	W	2475		902127				4.0		-19.4		98.1	Δ	434	
19	W	3795		901656				4.0		-22.7		99.8	Δ	435	
20															

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STADIA SURVEY NOTES

AREA NAVAL PETROLEUM RESERVE #4 STATE or PROVINCE NORTH SLOPE, ALASKA PAGE No. 2
 LINE No.(s) 58 PARTY No. 182 DATE 17 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR T. FOX RODMAN P. MONGHON 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														
2														
3														
4														
5														
6	W	1320 1320		89°24'22"	1.04			2.3	27.4	-24.1	135.1		A	SP 40
7	W	1320		90°23'55"	0.70			4.0	-9.2	-13.2		121.9	-	SP 39
8		0						5.8		5.8		129.3	X	SP 38
9	E	1320		90°18'17"	0.53			4.0	7.0	-11.0		124.1	0	SP 37
10	W	547.3 547.3		71°20'06"	2.33 2.33			6.0	+11.2	+17.9	133.8		A	335+600
11	E	600		91°55'11"	3.35			4.0	20.1	-24.1		149.4	-	SP 36
12	E	1920		87°54'08"	3.66			11.6	70.2	58.6		201.4	0	SP 35
13	W	1320		87°42'30"	1.38			12.0	18.3	-6.2	179.52		A	
14		0		89°15'05"				5.3		5.3		189.9	T	34
15	E	1320		90°06'10"	0.18			4.0	2.4	-6.4		188.8	0	33
16	W	1320		89°24'30"	1.01			4.0	13.3	-9.8	179.2		A	
17		0						4.6		4.6		174.6	T	32
18		1320		89°48'14"	0.34			4.0	4.5	+0.5		180.3	0	31 ELEV TO Page 5
19				89°52'02"								179.7	0	30 LINE 10
20														

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Ref: Lines 11 & 12

Turned on FLAG 1.4' ABOVE TOP OF PIPE WHICH EXTENDS
6' out of GROUND.

AM

Note: Line 48 crosses at SP441+1180 Line 58; also,
SP17 Line 48 is at same point.

Dut

STADIA SURVEY NOTES

AREA WPR-4 STATE or PROVINCE AK PAGE No. 43
 LINE No.(s) 58 PARTY No. 182 DATE 7 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHON RODMAN MIKE WEATHER: CLEAR + COOL 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														
2														
3											126.6	○	TP 59 @ 444 + 1048	
4	E	5057		895404				1.6	-7.1 ✓	119.5		Δ	π 448 + 825	
5	E	4785	3135	895440				4.0	+3.4		122.9	-	445	
6	E	3465	1815	901042				4.0	-14.8		109.7	-	446	
7	E	2145		902218				4.0	-17.9		101.6	-	447	
8	E	825		905857				4.0	-18.1		101.4	-	448	
9	W	495		911523				4.0	-14.9		104.6 ✓	-	449	
10	W	1815		895853				4.0	-3.4 ✓		116.1	○	450	
11	E	1320		901446				4.0	+9.7 ✓	125.8		Δ	π @ 451	
12		0		-				5.3	-5.3		120.5		451	
13	W	1320		903949				4.0	-19.3		106.5		452	
14	W	2640		900330				4.0	-6.7		119.1 ✓		453	
15	W	3960		895114				4.0	+6.1 ✓		131.9	○	454	
16	E	3135		900203				4.0	+5.9 ✓	137.8		Δ	π @ 456 + 495	
17	E	1815		901626				4.0	-12.7		125.1		455	
18	E	495		900342				4.0	-4.5		133.3		456	
19	W	825		911524				4.0	-22.1		115.7		457	
20	W	2145		901855				4.0	-15.8		122.0		458	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 17
 LINE No.(s) 58 PARTY No. 182 DATE 7 Day 3 (Mo. 75 Yr. BOOK No. 2
 SURVEYOR Monro Horn RODMAN Mike WEATHER: CLEAR + Cool 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																
3	W	3465		901619				4.0		-20.4		137.8	117.4		459	Revised 139.4 π - 0.4
4	W	4260		895640				2.9		+10.2			139.0	⊙	TP 60	@ 459 + 795
5	E	4650		894200				2.9		-21.9		117.6		Δ		π @ 463 + 165
6	E	4125		894537				4.0		+13.3			130.9		460	
7	E	2805		901325				4.0		-14.9			102.7		461	
8	E	1485		902340				4.0		-14.2			103.4		462	
9	E	165		924841				4.0		-6.1			111.5		463	
10	W	1155		901622				4.0		-9.5			108.1	⊙	464	
11	E	575		911059				4.0		+15.9		124.0		Δ		π @ 464 + 575
12	W	745		911419				4.0		-20.1			103.9		465	Ties to Line 49
13	W	2065		902712				4.0		-20.3			103.7		466	(over for intersection Dist)
14	W	3385		901826				4.0		-22.2			101.8	⊙	467	
15	E	2368		901551				4.0		+14.9		116.7		Δ		π @ 468 + 1048
16	E	1048		903914				4.0		-16.0			100.71		468	
17		0		-				4.5		-9.5			112.2		TP 61	@ SP 468 + 1048
18	W	272		904215				4.0		-7.3			109.4		469	105.1 (A.S.)
19	W	1592		903348				4.0		-19.7			97.0		470	
20	W	2912		901928				4.0		-19.6			97.1		471	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 75
 LINE No.(s) 58 PARTY No. 182 DATE 7-8 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR Morvohon RODMAN Mike WEATHER: clear + warm P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	SEAMAN 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												116.7			
2															
3	W	4232		901309				4.0		-20.2		96.5	⊙	472	
4	E	3465		901410				4.0		+18.3	114.8		Δ		K@ 474 + 825
5	E	2145		901853				4.0		-15.8		99.0		473	
6	E	825		902818				4.0		-10.8		104.0		474	
7	W 495	2145		90 49 01				10.0		-17.1		97.7		475	
8	W	1815		903341				4.0		-21.8		93.0		476	
9	W	3135		901911				4.0		-21.5		93.31		477	
10	W	4455		90 06 34				4.0		-12.5		102.3	⊙	478	
11	E	326		914023				4.0		+13.5	115.8		Δ		K@ TP 62 478 + 326
12		0		-				4.2		-4.2		111.6		TP 62	
13	W	994		902048				4.0		-10.0		105.8	⊙	479	
14	E	5280		89 59 15				4.0		+2.8	108.6		Δ		K@ 483
15	W	3560		90 07 26				4.0		-12.6		96.0		480	
16	E	2640		90 11 49				4.0		-13.1		95.5		481	
17	E	1320		90 23 50				4.0		-13.2		95.4		482	
18		0		-				7.2		-4.2		101.4		483	
19	W	1320		895452				4.0		-2.0		106.6	⊙	484	
20															

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STADIA SURVEY NOTES

AREA NYK-4 STATE or PROVINCE AK PAGE No. 46
 LINE No.(s) 58 PARTY No. 182 DATE 8 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MORON RODMAN MIKE WEATHER: CLEAR + COOL 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															
3															
4	E	3135		900316				4.0	+7.0	✓	113.6	106.6	○	484	
5	E 1015	825		901020				4.0	-9.5			104.1	Δ	485	⊗ @ 486 + 495
6	E	495		915834				4.0	-21.1			92.5		486	
7	W	825		905429				4.0	-17.1			96.5		487	
8	W	2145		900118				4.0	-4.8			108.8		488	
9	W	3465		895624				4.0	-0.4			113.2		489	
10	W	4785		895642				2.5	+2.1	✓		115.7	○	490	≡ TP 63 105.0
11															Tie to wire 51
12															SP-69
13															Refer Page 6
14															Line 51
15															INT 58/51
16															(A.S.)
17															103.3
18															490 + 925
19															S.P.
20															

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE AK PAGE No. 47
 LINE No.(s) 58 PARTY No. 182 DATE 8 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR Mondson RODMAN MARIN WEATHER: Good 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	E	2640		89 43 20				2.5	-12.8	-10.3	105.4	115.7	⊙			K @ 492
4	E	1360		90 05 26				4.0		-6.1		99.3	-			TP N4-63 @ SP 490
5		0		-				5.4		-5.4		100.0	-			10T 58/51
6	W	1360		90 03 32				4.0		-5.4		100.0	-			103.3 (A.S.)
7	N	2640		90 01 53				4.0		-5.4		100.0	-			S.P. 490 + 925
8	N			90 01 53				4.0					-			
9	W	3690		89 57 33				4.0	+2.8	-1.2		104.0	⊙			(3960)
10		2640		89 57 15				4.0	-2.1	+1.9	105.9		Δ			K @ SP 497
11	E	1320		89 58 51				4.0		-2.6		102.3	-			496
12		0		-				5.3		-5.3		100.6	-			497
13	W	1320		90 08 52				4.0		-7.4		98.5	-			498
14	W	2640		89 57 32				4.0		-2.1		103.7	-			499
15	W	2992.4		89 55 20				2.6	+4.1	+1.5		107.4	⊙			TP N4-64 @ SP 499+352.4
16	E	3607.6		89 52 51				2.6	-7.5	-4.9	102.5		Δ			K @ SP 502
17	E 2640	3607.6		90 00 59				4.0		-4.8		97.7	-			500
18		1320		90 02 51				4.0		-5.5		97.0	-			501
19		0		-				5.3		-5.3		97.2	-			502
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 48
 LINE No.(s) 58 PARTY No. 182 DATE 8+9 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHON RODMAN MARTIN WEATHER: GOOD 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												102.5				
2																
3	W	1320		89°58.35				4.0	+0.5	-3.54		99.0	○	503		
4				89°55.50												
5	E	2640		90°06.13				4.0	+4.81	+8.84	107.8		Δ		T @ 505	
6	E	1320		90°22.13				4.0		-12.5		95.3		504		
7		0		-				5.3		-5.3		102.5		505		
8	W	1320		90°19.21				4.0		-11.4		96.91		506		
9	W	2690		90°19.18				4.0	-14.81	-18.84		89.0	○	507		
10	E	5280		90°25.5				4.0	+4.51	+8.54	97.5		Δ		T @ 511	
11												89.0		508		T @ 511 INT 58/32 49.6
12												89.0		509		INT 58/32 (A.S.)
13												89.0		510		U.S. 95.2 (A.S.)
14		0		-				5.5		-5.51		92.0		511		S.P. 511 +165
15	W	1320		90°20				4.0		-1.5		96.0		512		Ties to Line 52 44.1
16	W	2690		89°56.45				4.0	+2.51	-1.54		96.0	○	513		48.1
17	E	3795		89°39.16				4.0	-0.81	+3.24	99.2		Δ		T @ 515 + 1153	51.3
18	E	2475		90°08.41				4.0		-10.3		88.9		514		
19	WE	1155		90°11.37				4.0		-7.9		91.3		515		
20	W	495		91°20.22				4.0		-15.6		83.6		516		

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 49
 LINE No.(s) 58 PARTY No. 182 DATE 9 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHAN RODMAN MIKE WEATHER: HAZY & COOL 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										99.2	✓			513	
3	W	1485		900803				4.0	-3.5	+7.5	✓	91.7	0	517	43.8
4	W E	2640		900223				4.0	+1.8	+5.8	✓	97.5	Δ	π @ 519	29.6
5	E	1320		900223				4.0		-4.9		92.6	-	518	
6		0		-				5.2		-5.2		92.3	-	519	
7	W	1320		900155				4.0		-4.7		92.8	-	520	
8	W	772.5		894827				2.2	+2.6	+0.4	✓	97.9	0	TP 65 @ 520 + 772.5	52.0
9	E	1042.5		901706				2.2	+5.2	+7.4	✓	105.3	Δ	π @ 521 + 495	35
10	E	495		902614				4.0		-7.8		97.5	-	521	
11	W	825		904843				4.0		-15.7		89.6	-	522	
12	W	2145		902450				4.0		-19.5		85.8	-	523	
13	W	3465		901515				4.0	-15.4	-19.4	✓	85.9	0	524	38.1
14	E	2640		900346				4.0	+2.9	+6.9	✓	92.0	Δ	π @ 526	45.0
15	E	1320		900651				4.0		-16.6		86.2	-	525	
16		0		-				5.1		-5.1		87.7	-	526	
17	W	1320		894523				4.0		+1.6		94.4	-	527	
18	W	2082.4		890611				2.7	+32.6	+29.9	✓	122.7	0	TP 66 @ 527 + 762.4	74.9
19															
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 50
 LINE No. (s) 58 PARTY No. 182 DATE 10 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONAHAN RODMAN MIKE WEATHER: CLEAR + COLD 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			ΔBS. OF.S. -S.S.
1																74.7
2												122.7	0	TP N4	-66 @ SP 527+762.4	
3	E	1877.6		89 28 08				4.0	-17.4	-14.7	108.0		Δ		κ @ 529	60.5
4	E	1320		89 25 45				4.0		+ 9.2		117.2	-	528		
5		0		-				5.5		- 5.5		102.5	-	529		
6	W	1320		90 04 14				4.0		- 5.2		102.81	-	530		
7	W	2640		90 01 35				4.0	-1.2	+ 5.2		102.8	0	531		55.0
8	E	2640		90 03 50				4.0	+0.9	+ 6.9	109.7		Δ		κ @ 533	61.9
9	E	1320		90 01 56				4.0		- 4.7		104.0	-	532		
10		0		-				5.4		- 5.4		104.3	-	533		
11	W	1320		90 05 03				4.0	-1.9	- 5.9		103.8	0	534		52.0
12	E	165		91 46 49				4.0	+5.1	+ 9.1	112.9		Δ		κ @ 534 + 165	65.1
13	W	1155		90 38 07				4.0		- 10.8		96.11	-	535		
14	W	2475		90 18 23				4.0	-13.2	- 17.2		95.7	0	536		47.9
15	E	2145		90 28 57				4.0	+18.1	+ 27.1	117.8		Δ		κ @ 537 + 825	70.0
16	E	825		91 11 35				4.0		- 21.2		96.6		537		
17	W	495		90 08 47				4.0		- 5.3		112.51	-	538	INTERSECTION SEE 53	
18	W	709		90 16 03				2.2	-3.3	- 5.5		112.3	0	TP 67	@ 538 + 214	67.5
19	E	2921		89 38 18				2.2	-18.4	- 16.2	96.1		Δ		κ @ 540 + 495	
20	E	1815		89 42 11				4.0		+ 5.4		101.5		539		

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 51
 LINE No.(s) 58 PARTY No. 182 DATE 10 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONAHAN RODMAN MIXE WEATHER: CLEAR + COLD 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												96.1				
2																
3	E	495		913049						-17.1		79.0	-	540		
4	W	825	815	903711						-12.9		83.21	-	541		
5	W	2145		899701						+14.3	+10.35	106.4	0	542		
6	E	1815		894600						-7.4	-3.4	103.0	Δ			K @ 543 + 495
7	E	495		900648						-5.0		98.0	-	543		
8	W	825		913831						-27.6		75.4	-	544		
9	W	2145		904610						-32.8		70.2	-	545		
10	W	3465		902350						-24.0	-28.0	75.0	0	546		
11	E	2145		900229						+1.5	+8.0	83.0	Δ			K @ 547 + 825
12	E	825		903550						-12.6		70.4	-	547		
13	W	495		903337						-3.8		79.2	-	548		
14	W	1815		894828						+6.1	+7.1	85.1	0	549		
15	E	825		901127						+2.7	+6.7	91.8	Δ			K @ 549 + 825
16	W	495		912234						-15.9		75.9	-	550		
17	W	1815		903649						-29.4		62.4	-	551		
18	W	3135		894133						+12.8		104.6	CK	552		
19	W	2652		894049						+14.8	+12.0	103.8	0	TP.68		551 @ 552 + 937
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 52
 LINE No.(s) 58 PARTY No. 182 DATE 10 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHON RODMAN MIKE WEATHER: CLEAR + WARM 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												✓			
3	E	1803		900615				2.8	+3.3	46.1	✓	109.9	103.8	○	TP68 @ 551+837
4	E	1320		900223				4.0		-4.9		105.0		○	TP69 @ 553
5		0		-				5.4		-5.4		104.5			552
6	W	1320		901657				4.0	-6.5	-10.5	✓	99.4		○	553
7	E	1035		901300				4.0	+3.9	+7.9	✓	107.3		△	TP @ 554+1035
8	W	285		919558				4.0		-12.8		94.5			555
9	W	1605		995759				4.0	+0.9	-3.1	✓	104.2		○	556
10	E	1320		895619				4.4	-1.4	+3.0	✓	107.2		△	TP @ 557
11		0		-				5.5		-5.5		101.7			557
12	W	1320		904053				4.0		-19.7		87.5			558
13	W	2640		900945				4.0		-11.5		95.7			559
14	W	3960		900425				4.0	-5.1	-9.1	✓	98.1		○	560
15	E	2726.3		902837				4.0	+22.7	+26.7	✓	124.8		△	TP @ TP69 562+863
16	E	1406.3		904949				4.0	-20.4	-24.4	✓	100.4			561 (See Line 54 Notes) 92.0
17	E	80.3		915504				4.0		-6.9		117.9			562 " " " " 110.2
18		0		-				4.8		-4.8		120.0			TP69 562+86.3
19	W	1233.7		895915				4.0		-3.7	✓	121.1		○	563
20	W			895551				-							564

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 53
 LINE No.(s) 58 PARTY No. 182 DATE 10 Day 3 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHAN RODMAN MIKE WEATHER: CLEAR + WARM 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												✓				
3	E	2145		893546				4.0		+1.4	✓	122.5		Δ	563	π @ 564 + 825
4	E	825		902123				4.0		-9.1		113.9			564	
5	W	495		902240				4.0		-7.3		115.2			565	
6	W	1815		900916				4.0		-8.9	✓	113.6		○	566	
7	E	1155		902305				4.0		+11.8	✓	125.9		Δ		π @ 566 + 1155
8	W	165		911841				4.0		-7.8		117.6			567	
9	W	1485		901326				4.7		-17.5		107.9		○	568	≡ TP 70
10																END OF LINE 58
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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