

STADIA SURVEY NOTES

AREA Zone A NPR-4

STATE or PROVINCE Alaska

PAGE No. 50

LINE No.(s) 21

PARTY No. 184

DATE 24 Day 3 Mo. 74

Yr. BOOK No.

SURVEYOR C. Ray

RODMAN K. Byrd

WEATHER: Cold Blowing 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															
2															
3	N	1320		90° 05' 09"											
4				269° 52' 16"											
5		0													
6		1320		90° 15' 50"											
7		2640		98° 08' 13"											
8				269° 53' 07"											
9		1980	1980	90° 12' 39"											
10		0													
11		1815		90° 17' 06"											
12															
13															
14															
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA ZONE A N P R 4

STATE or PROVINCE Alaska

PAGE No. 51

LINE No.(s) 21

PARTY No. 184

DATE 25 Day 3

Mo. 74 Yr. BOOK No.

SURVEYOR Cal Ray

RODMAN K Byrd

WEATHER: COLD CLOUDY

P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1			Re: BK-1 Pg. 47 Ln. 2						Top	of Pipe		101.8	0	H2-40		
2		1320		90°03'11"					+0.0	+0.9	102.7		CA	SP4		
3				269°58'37"					" "	" "			CK	CK		
4									-4.9			97.8	-	SP5		
5		1320		90°04'47"					-4.0	-5.5		97.2	0	SP6		
6				269°57'00"					" "	" "			CK	CK		
7		1320		90°09'13"					+4.0	+7.3	104.5		CA			
8				269°52'04"					" "	" "			CK			
9		0							-5.0			99.3	-	SP7 N-43		
10		1320		90°31'14"					-4.0	-15.7		88.8	0	SP8		
11				269°30'08"					" "	" "			CK			
12		1320		90°01'23"					+4.0	+2.2	95.0		CA			
13				269°55'10"					" "	" "			CK			
14		0							-5.0			90.0	-	SP9		
15		1320		89°59'55"					-4.0	-3.2		91.8	0	SP10		
16				270°03'05"					" "	" "			CK			
17		1320		89°40'55"					+4.0	-2.1	91.2		CA			
18				270°12'52"					" "	-0.6			CK			
19		0							-5.1			86.1	-	SP11		
20																

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STADIA SURVEY NOTES

AREA ZONE A NPR 4 STATE or PROVINCE Alaska PAGE No. 52
 LINE No.(s) 21 PARTY No. 194 DATE 25 Day 3 Mo. 74 Yr. BOOK No. _____
 SURVEYOR C. L. Ray RODMAN K. Byrd WEATHER: COLD 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					P-		L-17		B1			91.2		SP10	
2		1320		90°06'42"					40	-3.2	5.5	85.7	O	SP12	N-44
3				269°34'55"					" "				CK		
4													A		
5				2									CK		
6		0											-		
7															
8				2									CK		
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA ZONE A NPA4 STATE or PROVINCE Alaska PAGE No. 53
 LINE No.(s) 21 PARTY No. 124 DATE 25 Day 7 Mo. 74 Yr. BOOK No. _____
 SURVEYOR Cal Roy RODMAN K Byrd WEATHER: Cold Cloudy 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.			
1															
2	S	2103		89°55'49"				+4.0	+1.0	86.7		85.7	0	SP-12 (N2-44)	
3				270°05'36"				" "							
4		703		89°53'52"				-4.0	-2.6			87.1	-	SP-13	
5		537		91°39'39"				-4.0	-19.1			67.1	-	SP-14	
6	N	1857		90°25'22"				-4.0	-17.4			69.3	0	SP-15	
7				269°35'55"				" "							
8		130		91°24'56"				+4.0	+11.7	81.0					
9				266°31'51"				" "							
10	550	1190		90°21'10"				-4.0	-12.0			69.0	+	SP-16	
11	5150	25+0		90°06'49"				-4.2	-13.2				0	SP-17 SP-19	
12				269°54'47"				" "							
13															
14															
15															
16															
17		1320		90°14'46"				+4.0	+9.2	78.4		69.0	0	SP-16	
18				269°46'37"				" "							
19		0						-4.9				73.5	-	SP-17	
20															

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STADIA SURVEY NOTES

AREA ZONE A NPR 4 STATE or PROVINCE ALASKA PAGE No. 554
 LINE No.(s) 21 PARTY No. 184 DATE 25 Day 3 Mo. 74 Yr. BOOK No. _____
 SURVEYOR CAL RAY RODMAN K BYRD WEATHER: COLD CLEAR P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												78.4				
2		1320		90°28'42"												
3	47 X	2640		92°10'19"												
4				269°51'14"												
5		1320		90°01'03"												
6				270°00'31"												
7		0														
8		1320		89°39'10"												
9				270°22'16"												
10		1320		90°04'59"												
11				269°56'16"												
12		0														
13		1320		90°41'16"												
14				269°47'22"												
15		1320		90°02'42" 90°02'42"												
16				269°57'59"												
17		0														
18		1320		90°07'05"												
19				269°54'25"												
20																

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STADIA SURVEY NOTES

AREA ZONE A NPR 4 STATE or PROVINCE ALASKA PAGE No. 55
 LINE No.(s) 21 PARTY No. 184 DATE 25 Day 3 Mo. 74 Yr. BOOK No. _____
 SURVEYOR cal ray RODMAN 18480 WEATHER: COLD 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		1320		90°06'26"					81	+7.2	77.0	70.8	SP25	
3				269°55'11"								Δ		
4		0										CK		
5		1320		90°22'38"						-4.8		72.2	SP26	
6				269°39'02"								64.6	SP27	
7		1320		90°18'39"						-12.4				
8				269°42'49"								75.5		
9		0										Δ		
10		1320		90°16'09"						+10.9		70.8	SP28 N-45	
11				269°45'12"								65.6	SP29	
12		1320		90°18'25"								CK		
13				269°43'09"								Δ		
14		0										CK		
15		1320		90°01'26"								77.7	SP30	
16				270°00'07"								72.2	SP31	
17		1320		89°40'35"								CK		
18				270°20'52"								Δ		
19		0										CK		
20												63.4	SP32	

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STADIA SURVEY NOTES

AREA ZONE A NPR4 STATE or PROVINCE ALASKA PAGE No. 56
 LINE No.(s) 21 PARTY No. 194 DATE 25 Day 3 Mo. 74 Yr. BOOK No. _____
 SURVEYOR CALRAY RODMAN K BYRD WEATHER: COLD CLOUDY P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1						P-55		L-17		B-1	68.4	Δ			
2		1320		90°0400"						-5.2	63.2	○	SP 33		
3				267°5739"								CK			
4		1320		90°0339"						+5.1	68.3	Δ			
5				269°5759"								CK			
6		○													
7		1320		90°0507"						-4.9	63.4	-	SP 34		
8				269°5838"						-4.9	63.4	○	SP 35		
9		1320		90°0350"								CK			
10				2								CK			
11		○													
12															
13				2								CK			
14												○	SP 35 ←		
15		1810		90°2159"						+15.1	78.5	Δ			
16				269°3959"								CK			
17		490		91°1627"						-14.9	63.6	-	SP 36		
18		830		90°3950"						-13.6	64.9	-	SP 37		
19		2150		90°1400"						+12.2	66.3	○	SP 38		
20				269°4739"								CK			

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STADIA SURVEY NOTES

AREA Zone A NPR 4 STATE or PROVINCE Alaska PAGE No. 57
 LINE No.(s) 21 PARTY No. 194 DATE 15 Day 9 Mo. 74 Yr. BOOK No. _____
 SURVEYOR Cal Ray RODMAN K BYRD WEATHER: COLD Cloudy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD				
1		75			P-56					-1.9							
2	S	1320		90° 13' 16"					+4.0	+8.0	712.8	719.1		CA			
3				269° 48' 28"					" "					CK			
4		0							-5.0				74.1		-	SP39	
5	N	1320		90° 05' 04"					-8.0		75.7		73.4	CA		SP40	
6				269° 56' 26"					" "					CK			
7		1320		90° 30' 55"					+4.0		78.8	82.2		CA			
8				269° 40' 19"					" "					CK			
9		0							-5.0				77.2		-	SP41	
10		1320		90° 09' 16"					-4.0		75.0		77.2	CA		SP42	
11				269° 58' 10"					" "					CK			
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

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STADIA SURVEY NOTES

AREA ZONE A NPR4 STATE or PROVINCE ALASKA PAGE No. 58
 LINE No.(s) 21 PARTY No. _____ DATE 26 Day 23 Mo. 74 Yr. BOOK No. _____
 SURVEYOR Col RAY RODMAN K ByRD WEATHER: cold Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1				R 57			1-10								
2		1320		90°14'13"			+4.0	+9.2	81.92	86.4	77.2	0	SP42		
3				269°46'54"			" "	" "	" "	" "			CK		
4		0					5.0								
5	X	1320		89°53'20"		Rad Read	4.0	7.0	7.0	14.3	81.9	-	SP43		
6				270°08'19"			" "	" "	" "	" "			CK		
7		1320		81°53'20" 0-06-40			-4.7	+0.4			84.6	0	Top of Pipe 2.9 High		
8	changed because			270°08'19" 0-08-19				-1.8						+1.2	
9	Error in Transfer			08		Line In For									
10		1320		90°28'21"			0.0	+10.7	95.3				CK		
11				269°22'35"			" "	" "	" "	" "			CK		
12		0					-5.0				90.3	-	SP45		
13		1320		89°59'39"			-4.0	-3.7			91.6	0	SP46 + SP47		
14				270°01'24"			" "	" "	" "	" "			CK		
15		498		R 269°26'57"			+4.0	+12.1	103.6				CK		
16		825		D 90°34'16" 90-34-16			" "	" "	" "	" "			CK		
17		0					4.4				99.2	-	N47 = SP46 + 825		
18				90°35'12"			-4.0	-9.0			94.6	0	N47 = SP46 + 825		
19		495		269°26'08"			" "	" "	" "	" "			CK	SP47	
20															

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. **60**
 LINE No.(s) _____ PARTY No. _____ DATE _____ Day _____ Mo. _____ Yr. BOOK No. _____
 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		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2	NS	1800		89 12 82					+5.0	} -19.0	47.0	66.0	0			
3				270 46 25				" "							CA	
4		1320		90 04 18					-4.0	} -5.7		341.3	-	SR 55		
5		0		-					-5.0				42.0	-	SR 56	
6	SN	1320		90 02 47					-4.0	} -7.1		39.9	0	SR 57		
7				269 52 42.28				" "							CK	
8	S	2640		90 04 50					+4.0	} +8.5	48.4			A		
9				269 53 14				" "								CK
10		1320		90 35 17					-4.0	} -17.5		30.9	-	SR 58		
11		0		-					-5.0				43.4	-	SR 59	
12	N	1000		89 11 32					-5.0	} +9.3		57.7	0	SR 2		
13				270 49 48				" "							CK	
14	S	2100		90 06 04					+10.0	} +13.3	71.0			A		
15				269 54 40				" "								CK
16		1815		91 12 40					-4.0	} -42.4		28.6	-	SR 60		
17		495		94 00 22					-4.0				32.5	-	SR 61	
18		0		89 30 30					-5.0	} +3.2		66.0	0	SR 62 61-2		
19		825		89 30 30					-4.0				74.2	0	SR 62	
20				270 30 58					" "					CK		

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STADIA SURVEY NOTES

AREA ZONE A NARY STATE or PROVINCE Alaska PAGE No. 81
 LINE No.(s) 21 PARTY No. 184 DATE 26 Day 3 Mo. 74 Yr. BOOK No. _____
 SURVEYOR C. Ray RODMAN K BYRD WEATHER: Clear Clear 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	R25	825		90°32'49"				+4.0		+11.8	86.0	74.2	0	SP 62	
3				269°28'12"				" "					CA		
4	0	0						-3.7		-3.7		82.3	-	N48E SP62+825	
5	495	495		90°39'11"				+4.0		-9.6		76.8	-	SP 63	
6	T215	1815		90°06'07"				+4.0	-3.6	-6.4		79.6	0	SP 64	
7				269°55'20"				" "					CK		
8	S	2145		90°03'29"			Red + 4.0	+4.0		+36.9	116.5		Δ		(-6.0)
9		1815		269°08'09"				" "					CK		
10		825		90°1'03"				-4.0		-18.6		97.9	-	SP 65	
11		0						-4.5				112.0	-	N49E SP 65+825	
12	N	495		90°17'47"				+4.0	-2.4	+74.9		111.6	0	SP 66 = N-50	
13				269°43'21"				" "					CK		
14	2640			90°39'54"				+2.4		-15.0	96.6		CA		
15	1320			270°23'00"				" "					CK		
16	1320			270°57'00"				-4.0		-3.9		192.7	-	SP 67	
17		0						50	-50			91.6	-	SP 68	
18	1320			90°12'56"				+4.0		-10.5		186.1	-	SP 69	
19	2640			90°25'09"				+4.0				89.30	0	SP 70	
20				269°56'30"				" "		-7.3			CK		

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STADIA SURVEY NOTES

AREA ZONE A NPA 4 STATE or PROVINCE Alaska PAGE No. 62
 LINE No.(s) 21 PARTY No. 194 DATE 26 Day 3 Mo. 74 Yr. BOOK No. _____
 SURVEYOR CRAY RODMAN K BYRD WEATHER: Cold Clear 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				P-61				L-19		B1	89.3	O	SP70	
2	N	2640			99°47'14"			+4.0	-6.9	82.9		Δ		
3					270°14'16"			" "				CK		
4	S	1320			87°47'18"			-4.0	7.9	83.8		-	SP71	
5		0						-5.0	-5.0	77.9		-	SP72	
6		1320			90°13'25"			-4.0	-9.2	73.7		-	SP73	
7		2640			98°06'28"			-4.0	-8.4	74.5		O	SP74	
8					269°55'04"			" "				CK		
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

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STADIA SURVEY NOTES

AREA Zone A NPR-4

STATE or PROVINCE Alaska

PAGE No. 63

LINE No.(s) 21

PARTY No. 184

DATE 29 Day 3 Mo. 74

Yr. BOOK No. 1

SURVEYOR C. Ray

RODMAN G. Logan

WEATHER: Gold Clear -20°

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	SW	2640		90°02'25"										
3				269°59'27"										
4	SW	1320		90°03'56"										
5		-0-												
6	NE	1320		90°03'12"										
7	NE	2640		90°01'53"										
8				269°59'39"										
9	SW	1320		90°04'56"										
10				269°56'34"										
11		-0-												
12	NE	1320		89°38'54"										
13				270°22'13"										
14	SW	1029		90°13'53"										
15				269°47'25"										
16		-0-												
17	NE	291		90°42'27"										
18				269°18'33"										
19														
20														

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STADIA SURVEY NOTES

AREA Zone A/PP-4 STATE or PROVINCE ALASKA PAGE No. 64
 LINE No. (s) 21 PARTY No. 184 DATE 29 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. Ray RODMAN G. Logan WEATHER: Cold clear 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	SW	2640		89°32'44"											
4				270°28'39"											
5	SW	1320		89°50'49"											
6		480		90°10'39" (CK 269°56'38")											
7															
8															
9	NE	1320		90°06'07"											
10	NE	2640		90°06'07"											
11	SW	1320		89°57'58"											
12															
13	NE	2640		89°58'25"											
14															
15															
16															
17															
18															
19															
20															

REST OF TAIL
Level

TI-598B

WORKED BY _____ CHECKED BY CR 1st _____ 2nd _____