

STADIA SURVEY NOTES

AREA Zone 4 NPR-4 STATE or PROVINCE ALASKA PAGE No. 11
 LINE No.(s) 24 PARTY No. 184 DATE 12 Day 3 Mo. 78 Yr. BOOK No. 1
 SURVEYOR C. 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD		
1															
2	SE	2640		98°-04'					+13.2	+16.3	87.6	71.3	0		
3		2640		269°-44'					+7.6				CK		
4		1320		—					-9.3	-9.3		78.3	—	SP 23	
5		T		—					-4.5	-4.5		83.1	—	SP 22	
6		1320		—					-2.8	-2.8		84.8	0	SP 1	NW end of Line 24
7		1330		270°-16'					-12.0				CK		
8															
9															
10	NW	1320		—					+5.5	+5.5	77.0	71.5	0		Surveying SP on ln. 124
11		1320		270°-02'					+8.1				CK		
12		T		—					-4.5	-4.5		72.5	—	SP 23	
13		1320		—					-4.1	-4.1		72.9	0	SP 24	
14	SE	1330		269°-47'					-0.9				CK		
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA Zone 4 NRR-4STATE or PROVINCE ABSKAPAGE No. 10LINE No.(s) 24PARTY No. 184DATE 12 Day 3 Mo. 74Yr. BOOK No. 1SURVEYOR C. RayRODMAN K. ByrdWEATHER: 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 of Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2	SE	330		-												
3	T			-												
4	NW	165		-												
5	NW	1480		-												
6		1480		270°10'												
7	SE	130		-												
8		1320		270°02'												
9	T			-												
10	NW	1320		-		T	-5.6	+6.6	+1.0							
11	NW	2640		-		T	-10.4	+13.2	+2.8							
12		2640		270°19'												
13	SE	2640		-												
14		2660		269°44'												
15		1320		-												
16	T			-												
17		1320		-												
18	NW	2660		-												
19		2640		270°08'												
20																

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STADIA SURVEY NOTES

AREA Zone 4 NPR-4 STATE or PROVINCE Alaska PAGE No. 9
 LINE No.(s) 29 PARTY No. 184 DATE 12 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. 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																	
2																	
3	E	2580		-													
4		2580		270°-06'													
5	SE	2640		-													
6		1320		-													
7		π		-													
8	NW	1320		-													
9		2640		-													
10		2640		269°-48'													
11	SE	2640		89°-56'													
12		2640		270°-07'													
13		1320		-													
14		π		-													
15	NW	1320		-													
16	NW	2640		-													
17		2640		270°-01'													
18	SE	2570 2470		-			T	16.5	-12.4	-5.9		55.8		A			
19		2570 2470		270°-22'													
20		1150		-			T	-5.7	+5.8	+0.1			55.9				

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STADIA SURVEY NOTES

AREA Zone 4 NPR-4 STATE or PROVINCE ALASKA PAGE No. 12
 LINE No.(s) 24 PARTY No. 184 DATE 13 Day 13 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. 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		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	SE	1320		0													
3		1320		R													
4		π															
5	SE	1320		89°-50'-32"													
6		1320		270°-08'-57"													
7	NW	1320		90°-05'-28"													
8		1320		269°-55'-57"													
9		π															
10	SE	1320		90°-11'-05"													
11		1320		269°-50'-41"													
12	NW	1320		89°-53'-22"													
13		1320		270°-08'-49"													
14		π															
15	SE	1320		90°-02'-18"													
16		1320		269°-55'-18"													
17		1320		90°-24'-38"													
18		1320		269°-36'-35"													
19		π															
20		1320		90°-04'-23"													
		TI-5888 1320		269°-57'-13"													

see Note on back

The Average of Direct and Reverse Readings used.

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At this Point A New Wild T-2 Headlite was
Put into use on this Crew. The previously used
instrument was a Wild T-1A.

STADIA SURVEY NOTES

AREA Zone 4 NPR-4

STATE or PROVINCE Alaska

PAGE No. 13

LINE No.(s) 24

PARTY No. 184

DATE 13 Day 3

Mo. 74

Yr. BOOK No. 1

SURVEYOR A. R. A. Johnson

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.	ROD		
1															
2	NW	1320		90°-12'-39"				P-12	L-20	B-1			87.7	0	
3		1320		R 269°-49'-58"				+4.0	8.4	{ +8.9	96.1			CA	
4		π		-				+4.0		{ +7.9				CK	
5	SE	1320		90°-12'-12"				-5.4		-5.4			90.7	-	SP-33
6		1320		R 248°-49'-22"				-4.0	8.4	{ -8.7			87.7	0	SP-34
7	NW	1320		90°-12'-52"				-4.0		-8.1					CK
8		1320		R 269°-49'-58"				+4.0	8.4	{ +8.9	96.1			CA	
9		π		-				+4.0		{ +7.9				CK	
10	SE	1320		90°-07'-39"				-5.4		-5.4			90.5	-	SP-35
11		1320		R 269°-53'-29"				-4.0	6.7	{ -6.9			89.4	0	SP-36
12	NW	1320		90°-04'-16"				-4.0		-6.5					CK
13		1320		R 269°-57'-17"				+4.0	5.3	{ +5.6	94.7			0	
14		π		-				+4.0		{ +5.0				CK	
15	SE	1320		90°-05'-26"				-5.4		-5.4			89.3	-	SP-37
16		1320		R 269°-56'-05"				-4.0	5.8	{ -6.1			88.9	0	SP-38
17	NW	1485		90°-19'-33"				-4.0		-5.5					CK
18		1485		R 265°-42'-00"				+4.0	12.1	{ +12.4	101.0			0	
19	165	1320		91°-26'-52"				+4.0		{ +11.8					CK
20		π		-				-4.0		-8.2			92.8	-	SP-39
								-5.4		-5.4			95.6	-	Op 1 Ahead

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STADIA SURVEY NOTES

AREA Zone 4 NPR 4 STATE or PROVINCE A/15Ka PAGE No. 14
 LINE No.(s) 24 PARTY No. 184 DATE 13 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR A. Jensen 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		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1								P-13	6			101.0		4		
2		1155		90° 18' 39"											SP 40	
3	SE NW	2275 ³¹⁰		87° 34' 16"						12.0	+11.6		113.0		07 SP 42	1 behind 41 TAM#1
4		2475 ²³⁰		88° 21' 21" 09"							+12.5				CK	
5		T									+4.5		117.5		A	
6	distance	5226.24		89° 51' 00"	0° 09' 00"			+0° 09' 40"					128.8			TI STATION VIEW
7	By Elev.	5226.24	0.50	270° 10' 15"	+0° 10' 29"						+12.3				CK	
8		A		STATION VIEW								Tie = +1.8		127.0		good values
9	SE	165		90° 58' 20"									110.7		SP 41	
10		1205		90° 33' 31"						18.2	-18.5		99.3		SP 42	
11		1485		269° 27' 34"											CK	
12		2805		90° 21' 23"						21.0	-21.4		96.5		SP 43	
13		2805		269° 59' 49"											CK	
14		4120		90° 13' 17"						19.3	-19.9		98.2		SP 44	
15		4120		269° 47' 49"											CK	
16		4950		90° 09' 38"						35.5	-17.3		101.2		07 Cryst 2 for above TAM#2	
17	SE	4950		269° 51' 41"						3.5					CK	
18		T									+4.2		105.4		A	
19	SE	895		91° 06' 38"									103.4		SP 45	(918)
20		1815		90° 26' 15"						14.5	-17.6		100.0		SP 46	(879)
		TI-5888	1815	269° 34' 56"											CK	

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* see note on back

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2nd

Note

A Hewlett Packard Distance Meter Model 3800A was used to measure this distance. This machine will be used frequently throughout this survey to measure critical distances such as off line ties to trig. stations and other control

STADIA SURVEY NOTES

AREA Zone-4 NPR-4 STATE or PROVINCE Alaska PAGE No. 15
 LINE No.(s) 24 PARTY No. 184 DATE 13 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR A. Jensen 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		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	SE	3135		90° 15' 30"				P-14	L-18			105.4				
3		3135		269° 45' 40"					-4.0	+17.6			87.8	CO	5847	
4									-4.0					ICK		
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

15-A

AREA Zone 4 NPR-4

STATE or PROVINCE ALASKA

PAGE No. 26

LINE No.(s) 24

PARTY No. 184

DATE 16 Day 3 Mo. 74

Yr. BOOK No. 1

SURVEYOR C. Ray

RODMAN

WEATHER: cold Foggy

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		1485		92° 25' 04"												
3		1485		267° 36' 58"												
4		165		93° 33' 42"												
5		165 1445		270° 16' 11"												
6		1155		89° 45' 45"												
7		1155		270° 16' 11"												
8		2310		89° 45' 45"												
9		2310		270° 22' 18"												
10		-0-		-												
11		165		90° 51' 38"												
12		1485		90° 19' 48"												
13		1485		268° 41' 29"												
14	From Page 15 Line 2															
15																
16																
17	* see Page 18 for continuation															
18																
19																
20																

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STADIA SURVEY NOTES

AREA Zone 4 NPR-4 STATE or PROVINCE Alaska PAGE No. 18
 LINE No.(s) 24 PARTY No. 184 DATE 14 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. 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		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1						P-17	L-16	B-1				343		A		
2	NW	1320		$90^{\circ} 07' 15''$					-4.0		-6.5		27.8	S	SP.52	
3		1320		$269^{\circ} 59' 17''$					-4.0		-6.5			CK		
4	NW	2640		$90^{\circ} 07' 02''$					-4.0		-8.7		(25.6)	S	SP.51 *	
5		2640		$269^{\circ} 59' 44''$					-4.0					CK		
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA Zone 4 NPR-4

STATE or PROVINCE Alaska

PAGE No. 17

LINE No.(s) 24

PARTY No. 184

DATE 14 Day 3 Mo. 74

Yr. BOOK No. 1

SURVEYOR C. 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		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	NW	3960		$90^{\circ}04'07''$												
3	NW	3960		$265^{\circ}55'57''$												
4	SE	1815		$90^{\circ}10'51''$												
5		1815		$269^{\circ}50'10''$												
6		495		$90^{\circ}23'01''$												
7		T														
8	NW	825		$90^{\circ}11'48''$												
9		825		$269^{\circ}49'47''$												
10	SE	1609		$90^{\circ}31'05''$												
11		1609		$269^{\circ}30'19''$												
12		289		$93^{\circ}55'57''$												
13		T														
14	NW	1131		$90^{\circ}50'25''$												
15		1131		$269^{\circ}11'07''$												
16	SE	2640		$90^{\circ}51'53''$												
17		2640		$270^{\circ}09'53''$												
18		1320		$90^{\circ}07'30''$												
19		1320		$269^{\circ}54'32''$												
20		T														

P-14 L-14 B-1

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STADIA SURVEY NOTES

AREA Zone 4 NPR-4 STATE or PROVINCE Alaska PAGE No. 16
 LINE No.(s) 24 PARTY No. 584 DATE 14 Day 3 Mo. 72 Yr. BOOK No. 1
 SURVEYOR C. 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		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	Elev!	1292.78		90°39'59"												
5	NW	Bronz Cap														
6																
7		1292.78		269°21'20"												
8	NW	1056		90°48'27"												
9		1056		269°13'03"												
10		2371		90°24'59"												
11		2371		269°39'09"												
12		3691		90°17'07"												
13	NW	3691		269°49'11"												
14	SE	1320		90°15'43"												
15		1320		269°47'38"												
16																
17	NW	1320		90°15'45"												
18		1320		269°45'03"												
19		2640		90°11'24"												
20		2640		269°49'31"												

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