

STADIA SURVEY NOTES

AREA Zone 4 NPR-4 STATE or PROVINCE Alaska PAGE No. 19
 LINE No.(s) 31 PARTY No. 184 DATE 15 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.		
1														
2														
3														
4		π												
5		-												
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

TAKE off of SP-43 Line 24
 Re. Pg. 14 L. 12

Line Inter 24 - 31

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STADIA SURVEY NOTES

AREA Zone 4 NPR-4 STATE or PROVINCE Alaska PAGE No. 20
 LINE No.(s) 31 PARTY No. 184 DATE 15 Day 3 Mo. 72 Yr. BOOK No. 1
 SURVEYOR C. Ray RODMAN _____ WEATHER: Cloud 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	SW	2640		89°58'12"						P-19	L-8.8-1	85.2	0			
3		2640		270°02'46"							+2.2	87.7		Δ		
4		1320		89°56'56"							-2.4	85.1		CK	SP-7	
5		1320		270°04'11"										CK	SP-8	
6	X	X		X								82.6			SP-8	
7	NE	1320		90°04'44"							-5.6	82.1		CK	SP-9	
8		1320		270°01'01" 269°56'37"											SP-10 CK	
9		2640		89°59'51"							-3.3	84.4		CK	SP-10	
10	NE	2640		270°01'40"											CK	
11	SW	2640		90°01'40"							+4.8	89.2			Δ	
12		2640		269°59'36"											CK	
13		1320		90°07'17"							-6.6	82.6			SP-11	
14		1820		269°53'48"											CK	
15	X	X		X								84.1			SP-12	
16	NE	1320		90°02'52"							-4.9	84.3			SP-13	
17		1320		269°58'14"											CK	
18	SW	2640		89°51'09"							-3.4	80.9			Δ	
19		2640		270°10'26"											CK	SP-14
20		1320		89°57'53"							-2.9	78.0			SP-14	
		1320		270°03'31"											CK	

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2nd _____

STADIA SURVEY NOTES

AREA Zona 4 NPR-4 STATE or PROVINCE Alaska PAGE No. 21
 LINE No.(s) 31 PARTY No. 782 DATE 19 Day 3 Mo. 74 Yr. BOOK No. _____
 SURVEYOR C. Ray RODMAN _____ 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		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																
2		<u>T</u>														
3	<u>NE</u>	<u>1320</u>		<u>90° 08' 32"</u>				<u>P. 20 L- 8 B 1</u>				<u>80.9</u>				
4		<u>1320</u>		<u>269° 52' 49"</u>							<u>-7.0</u>		<u>76.0</u>		<u>- SP-18</u>	
5		<u>2640</u>		<u>90° 06' 50"</u>							<u>-4.0</u>		<u>73.8</u>		<u>- SP-16</u>	
6	<u>NE</u>	<u>2640</u>		<u>269° 54' 16"</u>							<u>-4.0</u>		<u>72.1</u>		<u>OK</u>	
7	<u>SW</u>	<u>2640</u>		<u>90° 06' 38"</u>							<u>+4.0</u>		<u>80.6</u>		<u>OK</u>	
8		<u>2640</u>		<u>269° 54' 48"</u>							<u>+4.0</u>				<u>AS</u>	
9		<u>1320</u>		<u>90° 17' 16"</u>							<u>-4.0</u>		<u>70.2</u>		<u>- SP-18</u>	
10	<u>SW</u>	<u>1320</u>		<u>269° 43' 47"</u>							<u>-10.4</u>				<u>OK</u>	
11		<u>T</u>									<u>-5.0</u>		<u>75.6</u>		<u>- SP-19</u>	
12	<u>NE</u>	<u>1320</u>		<u>90° 12' 21"</u>							<u>+5.0</u>		<u>75.6</u>		<u>- SP-20</u>	
13		<u>1320</u>		<u>269° 48' 8"</u>							<u>-4.0</u>				<u>OK</u>	
14		<u>2640</u>		<u>90° 08' 56"</u>							<u>-4.0</u>		<u>70.3</u>		<u>- SP-21</u>	
15	<u>NE</u>	<u>2640</u>		<u>269° 52' 25"</u>							<u>-4.0</u>				<u>OK</u>	
16	<u>SW</u>	<u>3135</u>		<u>90° 05' 39"</u>							<u>+4.0</u>		<u>78.7</u>		<u>AS</u>	
17		<u>3135</u>		<u>269° 55' 56"</u>							<u>+4.0</u>				<u>OK</u>	
18		<u>1815</u>		<u>90° 06' 32"</u>							<u>-4.0</u>		<u>58.9</u>		<u>- SP-22</u>	
19		<u>1815</u>		<u>269° 54' 40"</u>							<u>-4.0</u>				<u>OK</u>	
20		<u>495</u>		<u>90° 11' 45"</u>							<u>-4.0</u>		<u>71.1</u>		<u>- SP-23</u>	
		<u>495</u>		<u>269° 49' 43"</u>							<u>-4.0</u>				<u>OK</u>	

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STADIA SURVEY NOTES

AREA Zone 4 NPR-4 STATE or PROVINCE A/25K4 PAGE No. 22
 LINE No.(s) 31 PARTY No. 184 DATE 15 Day 4 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. Ray RODMAN _____ 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		<u>A</u>		<u>-</u>												
3	<u>NE</u>	<u>825</u>		<u>91°59'46"</u>												
4		<u>825</u>		<u>268°01'24"</u>												
5		<u>2145</u>		<u>91°01'45"</u>												
6	<u>NE</u>	<u>2145</u>		<u>268°59'32"</u>												
7	<u>SW</u>	<u>1320</u>		<u>90°04'47"</u>												
8		<u>1320</u>		<u>269°56'34"</u>												
9		<u>T</u>														
10	<u>NE</u>	<u>1320</u>		<u>90°05'02"</u>												
11		<u>1320</u>		<u>269°52'26"</u>												
12		<u>2640</u>		<u>90°05'46"</u>												
13	<u>NE</u>	<u>2640</u>		<u>269°55'06"</u>												
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. 23
 LINE No.(s) 31 PARTY No. 184 DATE 16 Day 3 Mo. 24 Yr. BOOK No. 1
 SURVEYOR C. Ray RODMAN 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						R-22	L-18	B-1				34.2	0	SP-20	
2	SE 1485			90° 09' 20"				+4.0		+0.4	41.9		CA		
3		1485		269° 32' 40"				-4.0		+7.6			CK		
4		165		90° 10' 20" ?				-4.0		-2.5	4.5	37.4	-	SP-29	
5		0		-				-5.1		-5.1		36.8	-	SP-29-15	short spread
6	NE 990 ?			90° 10' 05"				-4.0		-1.7		35.2	0	SP-30	(see note on back)
7		990		269° 51' 42"				-4.0		-6.7			CK		
8	SW 825			90° 23' 29"				14.0		-1.5	44.7		0		
9		0		-				16.0		+9.0				SP-30-3	
10		425		90° 14' 13"											
11		825		269° 37' 41"				14.0						CK	
12		0		-				-5.0		-5.0		39.7	-	GP-30-3	
13	NE 925			92° 14' 13"				-9.0		+12.2		23.5	-	32 SP	
14				-						-21.2		40.3			
15		760		89° 56' 28"				-6.0	5.3	-6.2		40.3	0	TPN-21	
16	NE 760			270° 09' 34"				-6.0	5.3	-4.4				CK	
17				-											
18	SW 560			89° 29' 33"				+5.3		+5.8	41.1			CK	
19		560		270° 25' 22"				+5.3		+0.8				CK	
20		0		-				-4.9		-4.9		36.2	-	SP-31-3	

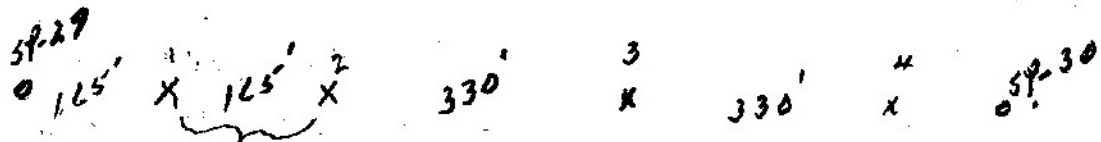
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2nd

The chainmen goofed - and shorted this spread
by 165'



This Group short - should be 330'

Art Jensen

STADIA SURVEY NOTES

AREA Zone 4 NPP-4 STATE or PROVINCE Alaska PAGE No. 23A
 LINE No.(s) 31 PARTY No. 184 DATE 16 Day 3 Mo. 74 Yr. BOOK No. _____
 SURVEYOR C. Ray RODMAN _____ WEATHER: cold clear P.T.S. No. _____

LINE	Bearing of Sight	Stadio Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD				
1																	
2		1485		90°09'20"				P-22	-12	B-1*	49.0		34.3	0	SP-28		
3		165		90°00'20"							42.3			4			
4		0		-							37.8		37.8	-	SP-29		
5											37.3		37.3	-	SP-29-1		
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. 24

LINE No.(s) 31

PARTY No. 184

DATE 16 Day 3 Mo. 72

Yr. BOOK No. 1

SURVEYOR C. Ray

RODMAN

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									P. 23	L. 18	B. 1	4.11	Δ		
2	NE	495		91°10'49"					-4.0		+6.2		26.9	SA	SR 32
3		495		268°49'32"					-4.0		-14.2		CK		
4		1815		90°45'37"					-4.0		+18.7		14.2	SA	SR 33
5		1815		269°17'46"					-4.0		-26.7		CK		
6		3135		90°19'32"					-4.0		+13.0		20.1	SA	SR 34
7	NE	3135		268°42'20"					-4.0		+21.0		CK		
8	SW	2640		90°40'51" ?					+4.0		-27.4	2.78	SA		
9		2640		or see note on back					+4.0		+7.2		CK		
10		1320		90°05'41"					-4.0		-1.8		21.65	SA	SR 35
11	SW	1320							-4.0		-6.2		1.0	CK	
12		-0-		-					-5.0		-5.0		22.8	SA	SR 36
13	NE	1320		90°02'19"					-4.0		-3.1		22.9	SA	SR 37
14		1320							-4.0		-4.9		CK		
15		2640		90°02'01"					-4.0		-2.5		22.3	SA	SR 38
16	NE	2640									-5.5		CK		
17		2640		90 10 32					+4.0		-3.7	34.0	SA		
18		2640		269 50 31"					+4.0		+11.7		CK		
19		1320		90°14'58"					-4.0		+4.7		24.3	SA	SR 39
20		1320		269 45 31"					-4.0		9.7		CK		

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CHECKED BY 1st

2nd

The entry on line should have been 04' not 40'.
This error was made in transcribing from taped field
recordings. GAT Jensen

The corrected 'Final Elev. Differences' shown in red were
made after it was discovered the computer had dropped
some data out of memory. These notes were computed
on a 'Compucorp 354 Surveyor'. Where direct
and reversed readings were made - both were
worked and averaged simultaneously on the
computer. GAT Jensen

STADIA SURVEY NOTES

AREA Zone 4 NPR-4 STATE or PROVINCE Alaska PAGE No. 25
 LINE No.(s) 31 PARTY No. 184 DATE 16 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. Ray RODMAN _____ 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		-0-		-								34.9	30.0	4		5A-40 EoFK.
3			SP-40 is common with TPN-22										57.7			
4			Line is Tied by Reciprocal Angles										30.0			
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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