

STADIA SURVEY NOTES

 AREA NPR-4

 STATE or PROVINCE ALASKA

 PAGE No. 137

 LINE No.(s) 25

 PARTY No. 184

 DATE 17

 Day 4

 Mo. 74

 Yr. BOOK No. 1

 SURVEYOR C. RAY

 RODMAN LEIBENGOOD WEATHER: WINDY & COLD
~~BOOK~~ No. 2

Volume

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															
3		-0-							+5.0	+5.0	90.5		A		
4		-0-							-1.6					- Top of Pipe	
5															
6															
7	N	2640		90°13'22"					-4.0		76.2			- SP 28	
8		2640		269°41'30"					-4.0					ck	
9	N	1320		90°20'05"					-4.0		78.8			- SP 27	
10															
11	S	1820		89°51'33"					-4.0		89.7			⊙ SP 25	
12		1820		270°08'42"					-4.0					ck	
13	N	2145		89°59'57"					+4.0		93.6			⊙	
14	N	2145		270°00'13"					+4.0					ck	
15	N	825		90°33'14"					-4.0		81.6			- SP 24	
16		0							-4.4		89.2			-	N2-132 SP-23-42
17	S	495		69°42'14"					-4.0		83.4			- SP 23	
18	S	1815		90°07'10"					-4.0		85.8			⊙ SP 22	
19	S	1815		269°53'05"					-4.0					ck	
20															

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STADIA SURVEY NOTES

 AREA NPR-4

 STATE or PROVINCE ALASKA

 PAGE No. 13B

 LINE No.(s) 25

 PARTY No. 184

 DATE 17 Day 4 Mo. 74

 Yr. BOOK No. 1

 SURVEYOR C. RAY

 RODMAN LEIBENGOOD WEATHER: WINDY & COLD

 F.T.S. No. 2
1064246

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												85.8	0	SP 22		
2																
3	N	2640		90°12'21"				+4.0		+13.5	99.3			Δ		
4	N	2640		269°47'22"				+4.0						ck		
5	N	1320		90°12'21"				-4.0		-8.7		90.6	-	SP 21		
6		0						-5.0		-5.0		94.3	-	SP 20		
7	S	1320		89°59'32"				-4.0		-3.8		95.5	-	SP 19		
8	S	2640		90°04'43"				-4.0		-7.3		92.0	-	SP 18		
9	S	2640		269°56'09"				-4.0						ck		
10	N	1485 2675		90°06'28"				+4.0		+8.7	100.7			Δ		
11	N	1485 2675		269°53'09"				+4.0						ck		
12	N	1320 1155		90°24'07"				-4.0		-12.1		88.6	-	SP 17		
13		0						-4.5		-4.5		96.2	-	SP 16	SP 14 + 165'	
14	S	165		9°16'34"				-4.0		-7.7		93.0	-	SP 16		
15	S	1485		90°03'24"				-4.0		-7.6		93.1	-	SP 15		
16	S	1485		269°51'45"				-4.0						ck		
17	N	2640		89°52'55"				+4.0		+2.4	95.5			Δ		
18	N	2640		270°01'54"				+4.0						ck		
19	N	1320		90°08'17"				-4.0		-7.2		88.3	-	SP 14		
20		0						-5.0		-5.0		90.5	-	SP 13		

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 139

LINE No.(s) 25 PARTY No. 184 DATE 17 Day 4 Mo. 74 Yr. BOOK No. 1

SURVEYOR C. RAY RODMAN Leibensood WEATHER: COLD & WINDY P.T.S. No. 2

Vec.

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												95.5				
2																
3	S	1320		90°02'38"									90.5	-	SP12	
4	S	2640		89°55'08"									95.3	⊙	SP11	
5	S	2640		72°04'47"										ck		
6	N	2640		90°10'10"										ck		
7	N	2640		71°44'47"										ck		
8	N	1320		90°10'14"												
9		0														
10	S	1320		90°07'28"												
11	S	2640		90°04'44"									102.1	-	SP9	
12	S	2640		26°55'23"									100.3	-	SP8	
13	N	1485		90°21'59"												
14	N	1485		21°38'17"												
15	N	165		90°39'59"												
16		0														
17	S	1155		90°08'40"												
18	S	1474		90°08'36"												
19	S			21°51'49"												
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 140
 LINE No.(s) E5 PARTY No. 18A DATE 18 Day 4 Mo. 7A Yr. BOOK No. 1
 SURVEYOR C. RAY RODMAN LEIBERMAN WEATHER: WLD P.T.S. No. 2

VOLUME

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												105.4	0			
2		-0-		-					+1.9	+1.9	111.3		A			SP-54 Line 30 N2-37A
3	W	671		90° 27' 48"				0.0		-5.4			-			Top of Pipe
4	E			269° 32' 05"				0.0					OK			LINE 30
5																N2-38
6	W	699		89° 40' 00"				-4.4		-0.6		110.7	-			SP-55 Line 30
7	W			270° 20' 15"				Ref. 241 - Page 45-40				110.0	OK			+0.7
8													-			S
9	S	1001		89° 54' 42"				-4.0		-3.9		107.4	-			SP-4
10																
11	S	2321		90° 00' 11"				-4.0		-4.1		107.2	0			SP-3
12	N	1320		90° 04' 11"				+4.0		+5.6	112.8		A			
13		0						-4.0	5.0	-5.0		107.8	-			SP-7
14	S	1320		90° 17' 52"				-4.0		-10.9		101.9	-			SP-1
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

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 LINE No.(s) 25 PARTY No. 184 DATE 18 Day 4 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. RAY RODMAN LEIBENSOOD WEATHER: Cloud & Clear P.T.S. No. 2
Vol.

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	S	2135		90°04'23"						+4.0	+7.9	84.1		SA		
4	S	2135		245°55'55"						+4.0				ck		
5	S	1815		90°06'57"						-4.0	-7.7	76.4	-		SP29	
6	S	495		90°46'19"						-4.0	-10.7	73.4	-		SP30	
7		0								-4.2	-4.2	79.9	-			N2-136 = SP30+495
8	N	1320 ⁸²⁵		90°15'18"						-4.0	-7.7	76.4	-		SP31	
9	N	2640 ²¹⁴⁵		90°08'43" 34"						-4.0	-9.3	74.8	-		SP32	
10	N	2640 ²¹⁴⁵		269°57'38"						-4.0			-		ck	
11	S	3135		89°52'42"						+4.0	+3.1	77.9	-		SA	
12	S	3135		270°01'22"						+4.0			-		ck	
13	S	1815		90°11'00"						-4.0	-9.8	68.1	-		SP33	
14	S	495		90°29'15"						-4.0	-9.7	68.2	-		SP34	
15		0								-5.0	-5.0	72.9	-		SP34	7495 - 2
16	N	825		90°19'11"						-4.0	-8.6	69.3	-		SP35	
17	N	2145		90°14'28"						-4.0	-13.0	62.9	-		SP36	
18	N	2145		269°45'44"						-4.0			-		ck	
19																
20																

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STADIA SURVEY NOTES

AREA NPP-4 STATE or PROVINCE ALASKA PAGE No. 192

LINE No.(s) 25 PARTY No. 184 DATE 18 Day 4 Mo. 74 Yr. BOOK No. 1

SURVEYOR C. RAY RODMAN LETBENGOOD WEATHER: CLEAR - WINDY & COLD P.T.S. No. 2

Vol.

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												64.9	0	SP 36		
2																
3	N S	1815		90° 04' 06"						+6.2	71.1			4		
4				710 55' 55"										CR		
5	N S	495		90° 11' 36"						-5.7		65.4	-	SP 37		
6		0								-5.6		65.5	-	NZ-137 SP 37 + 2 (495)		
7	N	825		90° 19' 15"						-8.6		62.5	-	SP 38		
8	N	2145		60° 30' 15" 30 15						-22.8		48.3	0	SP 39		
9	N	2145		714 30' 00" 29 54										CR		
10	S	1155		90° 15' 00" 90° 14' 51"						+7.0	119	60.2		CA		
11	S	1155		269 45' 26" 19 32						+7.0				CR		
12		0								+4.0				-	SP 39 + 4 (1155)	
13	N	165		97° 15' 15"						-4.0	-24.7	35.5	-	SP 40		
14	N	1485		98° 18' 55"						-4.0	-12.2	48.0	-	SP 41		
15	N	1650		90° 07' 07"						-4.4			0	NZ-138 = SP 41 + 165'		
16	N	1650		269 51' 56"						-4.4				CR		
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 143
 LINE No.(s) 25 PARTY No. 184 DATE 18 Day 4 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C RAY RODMAN LOYDEN GOOD WEATHER: WINDY - COLD - CLEAR PTS. No. 2
VOL

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	S	2970		89°53'29"												
4	S	2970		20°06'41"												
5	S	1815		90°13'20"												
6	S	495		90°26'24"												
7		0														
8	N	825		90°23'59"												
9	N	990		90°18'25"												
10	N	990		269°41'31"												
11	S	990		91°08'29"												
12	S	990		268°51'26"												
13		0														
14	N	165		93°58'23"												
15	N	1485		90°27'03"												
16	N	2805		90°14'21"												
17	N	2805		269°45'31"												
18	S	2640		90°00'39"												
19	S	2640		269°59'32"												
20	S	1320		90°15'56"												
21		0														

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STADIA SURVEY NOTES

AREA NPB-4 STATE or PROVINCE ALASKA PAGE No. 144
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 SURVEYOR C. RAY RODMAN LEIBENGOOD WEATHER: WINDY - COLD - CLEAR ETS No. 2
V.C.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD			
1											57.0					
2																
3	N	1320		89°52'42"				-4.0		-1.2		55.8		SP50		
4	N	1320		270°07'27"				-4.0								
5	S	1320		89°47'16"				+4.0		-0.9	54.9					
6	S	1320		270°02'37"				+4.0								
7		0						-5.0		-5.0		49.9		SP51		
8	N	1320	264°00'	90°06'04"				-4.0		-9.2		45.7		SP53	520 MTTED 300m. e/10	
9	N	1815	3135°0	89°56'37"				-10.0		-8.2		46.7		SP53	+495' 00 SP.53	
10	N	1815	3135°0	270°03'29"				-10.0							+495'	
11	S	2145		89°47'01"				+10.0		+8.1	54.8					
12	S	2145		270°03'07"				+10.0								
13	S	1320		90°43'47"				-4.0		-20.8		34.0		SP54		
14		0						-4.9		-4.9		49.9		SP55	N2-191	
15	N	1320		90°23'20"				-4.0		-13.0		41.8		SP56		
16	N	2640		90°02'47"				-4.0		-6.1		48.7		SP57		
17	N	2640		269°57'18"				-4.0								
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPP-4 STATE or PROVINCE ALASKA PAGE No. 145
 LINE No.(s) 25 PARTY No. 184 DATE 18 Day 4 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. RAY RODMAN LEIBENGOOD WEATHER: COLD - CLEAR P.T.S. No. 2
Vol.

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													48.7	0	SP 57	
2																
3	S	2640		89°53'27"				+4.0		-2.9	51.6					
4	S	2640		78°01'23"				+4.0								
5	S	1320		89°57'06"				-4.0		-2.9			48.7	-	SP 58	
6		0						-5.0		-5.0			46.6	-	SP 59	
7	N	1320		90°02'33"				-4.0		-5.4			46.2	-	SP 60	
8	N	2640		90°00'57"				-4.0		-4.7			46.9	0	SP 61	
9	N	2640		26°54'03"				-4.0								
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA Zone A NPP 4STATE or PROVINCE AlaskaPAGE No. 155LINE No.(s) 25PARTY No. 184DATE 21Day 4Mo. 74Yr. BOOK No. 1SURVEYOR C. RayRODMAN K. ByrdWEATHER: cold clear

P.T.S. No.

Vol-2

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							520	Line	25		46.9	0	SP 61	
2	S	2145		90°11'56"	11-96				+4.0	+11.4	58.3		CA	
3				269°48'11"	11-99				" "				CK	
4	S	825		90°28'09"					-5.0	-4.0	-10.8			SP-62
5		0		✓					-5.0					SP-62 NZ-141A SP-62+825
6	N	495		90°24'40"					-4.0	-7.6				SP-63
7	N	1815		90°12'03"	12-03				" "	-10.3				SP-64
8				269°48'01"	11-86									CK
9	S	2805		89°58'45"	01-15				+4.0	+2.9	50.9			CA
10				270°01'31"	01-31				" "					CK
11	S	1485		90°02'59"	02-59				-4.0	-5.3				SP-65
12	S	165		91°35'06"	87				-4.0	-8.6				SP-66
13		0		✓					-5.0					SP-66+165
14	N	1155		89°58'34"	01-26				-4.0	-3.5				SP-67
15				270°01'21"	01-21				" "					CK
16	S	1320		89°52'51"	02-09				+4.0	+3.2	50.6			CA
17				270°02'17"	02-17				+4.0					CK
18		0							-5.0					SP-68
19	N	1320		90°13'45"	13-45				-4.0	-3.6	-8.8			SP-69
20				269°46'28"	13-28				" "					CK

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STADIA SURVEY NOTES

AREA 48 ZONE A NP04 STATE or PROVINCE ALASKA PAGE No. 156
 LINE No.(s) 25 PARTY No. 184 DATE 21 Day 4 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C RAY RODMAN K BYRD WEATHER: COLD CLEAR P.T.S. No. _____

VOL 2

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.			
1							L-19				41.8	⊙	SP-69		
2	S	3135		89 48 55	11.05					-5.1	36.7	⊙			
3				270 11 07	11 07							⊙			
4	S	1815		90 11 35						-10.1	26.6	-	SP-70		
5	S	495		90 57 07						-12.2	24.5	-	SP-71		
6		0								-5.0	31.7	-	SP-71+495		
7	N	825		90 22 02	22 02					-4.0			SP-72		
8				269 38 12	21 48					-9.3	27.4	⊙			
9	S	3135		90 27 36"	27 36					+29.2	56.6	⊙			
10				269 32 32	27 38							⊙			
11	S	1885		91 04 15"						-6.2	50.4	-	SP-73		
12	S	495		73 18 58"						-4.0	24.0	-	SP-74		
13		0								-5.0	51.6	-	SP-74+495		
14	N	825		90 02 11						-4.0	50.1	-	SP-75		
15	N	2145		90 04 44						-5.0	48.6	-	SP-76		
16	N	3465		89 56 49	03 11					-4.0	55.9	⊙	SP-77		
17				270 03 27	03 27							⊙			
18	S	2640		90 00 00"						+4.0	59.9	⊙			
19				270 00 07"								⊙			

STADIA SURVEY NOTES

AREA Zone A NPR4

STATE or PROVINCE Alaska

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LINE No.(s) 26 25

PARTY No. 184

DATE 21 Day 4 Mo. 74

Yr. BOOK No. _____

SURVEYOR C. Ray

RODMAN K. Boyd

WEATHER: Cold Windy

P.T.S. No. _____

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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	1320		90°11'59"							59.9	Δ	SP-77		
3		0													
4	N	1320		89°31'29"	22.31										
5				290°22'33"	22.33										
6	S	495		90°20'47"	20.47										
7				269°39'32"	20.39										
8		-0-													
9	N	825		90°39'35"											
10	N	2145		90°29'54"	29.54										
11		825		269°29'56"	30.04										
12	S	3465		90°03'06"	03.06										
13				269°57'03"	02.57										
14	S	2145		90°22'47"											
15	S	825		90°54'38"											
16		-0-													
17	N	495		91°22'32"											
18	N	1815		90°22'21"											
19	N	3135		90°12'07"	12.07										
20				269°48'11"	11.49										

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STADIA SURVEY NOTES

AREA Zone A NPR4 STATE or PROVINCE Alaska PAGE No. 158
 LINE No.(s) 25 PARTY No. 184 DATE 22 Day 4 Mo. 74 Yr. BOOK No. _____
 SURVEYOR C. Ray RODMAN Nicky WEATHER: Cold w. wind P.T.S. No. 001-2

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	Correction			Center Hair	INST.			
1															
2	S	2690	89 53 18	06 92				+4.0	}	-1.1	42.0	93.1	0		
3			220 06 41	06 41										Δ	
4	S	1320	89 54 47					-4.0	}	-2.0		40.0	-	SP-87	
5		0	-					-5.0					37.0	Δ	SP-88
6	N	1320	90 06 51	06 51				-4.0	}	-6.6		35.4	0	SP-89	
7			269 03 18	06 45										CK	
8	S	-34-	89 51 58					+4.0	}	+3.9	39.3		Δ		
9		-0-						-5.0					54.3	-	N2-154 Inter Line
10															25 2 22
11		-298-	90 15 28	15 28				-4.0	}	-5.3		34.0	-	SP-60	Line 22
12			269 44 47	15 13									41.3	CK	
13															
14		1027	90 15 22	15 22				-4.0	}	-8.5		30.8	-	SP-61	Line 22
15			269 44 58	15 02									38.2	CK	
16															
17		1206	89 51 58					-4.0	}	-1.0		38.3	-	SP-90	
18		2606	89 41 47	18 13				-4.0			+9.9		49.2	0	SP-91
19			270 18 26	18 26				"	}				CK		
20															

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STADIA SURVEY NOTES

AREA Zone A N.P.R. 4STATE or PROVINCE AlaskaPAGE No. 157LINE No.(s) 25 PARTY No. 184 DATE 22 Day 4 Mo. 74 Yr. BOOK No.SURVEYOR C. Ray RODMAN Nicky WEATHER: Cold Hazy P.T.S. No.2012

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											49.2	0	SR 91	
2	N	333-	90 43 38	0 43 38				+4.0	}	+8.2	574	Δ		
3			269 16 08	0 43 52									CK	
4		-0-						-4.8	}	-10.4		52.6	-	N2-155 SR 91 + 332.5
5	S	987	90 22 24					-4.0				47.0	-	SR 92
6	S	2307	90 01 30	0 01 30				-4.0	}	-5.0		52.4	0	SR 93
7	S		269 58 58	0 01 26										CK
8	S	2640	90 02 47	0 02 47				+4.0	}	+6.2	58.6	Δ		
9			269 57 04	0 02 56										CK
10	S	1320	90 14 42					-4.0	}	-9.6		49.0	-	SR 94
11		-0-						-5.0					53.6	-
12	N	1320	89 53 21					-4.0	}	-1.4		57.2	-	SP 96
13	N	2640	89 48 16	11 44				-4.0			+5.0		63.6	0
14		2640	270 11 42	11 44					}				CK	
15	S	2640	90 02 05	0 02 05				+4.0			+5.8	79.4	Δ	
16		X2	269 57 31	0 02 29					}				CK	
17	S	1320	90 03 08					-4.0			-5.2		74.2	-
18		-0-						-5.0	}			74.4	-	SP 99
19	N	1320	89 55 25	0 00 35				-4.0			-3.9		75.5	0
20			270 00 53	0 00 53					}				CK	

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STADIA SURVEY NOTES

AREA Zone A NPR-4

STATE or PROVINCE Alaska

PAGE No. 160

LINE No.(s) 25

PARTY No. 184

DATE 22 Day 4 Mo. 74 Yr.

BOOK No.

SURVEYOR C. Ray

RODMAN Nirky

WEATHER: Cold Clear

P.T.S. No.

Vol 2

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	S	1320		89 57 04	03 00			+4.0	} +2.8	78.3	75.5	0	SP-100		
3				270 03 05	03 05									A	
4		-0-		-				-4.8			73.5	-	101	N2-157	
5	N	1820		90 22 00				-4.0	} -12.7	65.9	65.9	-	102		
6	N	2640		90 11 28	11 28			-4.0						0	103
7	S	2640		269 48 20	11 40				} +6.3	71.7			CR		
8		2640		90 02 34	02 42			+4.0							CR
9	S	1820		269 56 55	03-05				} -6.0	65.7			CR		
10		1820		90 05 08				-4.0					65.7	-	SP-104
11		-0-		-				-5.0			66.7	-	SP-105		
12	N	469		90 06 40	07 13			-4.6	} -5.6	66.1			CR	N2-15B	
13				269 53 00	07 00										CR
14		-0-						+4.9			71.0		A		
15													CR		
16	E 0	720		90 06 40	06 40			-4.0	} -5.2	65.6			SP-63	Line 20	
17				269 53 24	06 36								64.6	-	1 High
18	W	600		90 04 54	04 54			-4.0	} -4.8	64.2			SP-62	LINE 20	
19				269 55 04	04 56								64.2	-	1 B High
20	N	851		90 05 51				-4.0			65.6	-	SP-106		

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STADIA SURVEY NOTES

AREA Zone A - NPR-A STATE or PROVINCE Alaska PAGE No. 161
 LINE No.(s) 25 PARTY No. 184 DATE 22 Day 4 Mo. 74 Yr. BOOK No. _____
 SURVEYOR C. Ray RODMAN _____ WEATHER: Cold Clear P.T.S. No. Vol 2

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											71.0	Δ			
2	N	2171	90 04 56	04 56				-4.0	}	-7.1		63.9	Δ	SP-107	
3			269 53 15	04 45									CK		
4	S	3135	90 01 56	01 56			+4.0	}	}	+5.7	69.6	Δ			
5			269 58 12	01 48									CK		
6	S	1815	90 14 32				-4.0			-11.7		57.9	-	SP-108	
7	S	495	90 50 45				-4.0			-11.3		58.3	-	SP-109	
8		0	-				-5.0					64.6	-	109-2	
9	N	825	90 13 56				-4.0			-7.3		62.3	-	SP-110	
10	N	2145	90 16 38	16 38			-4.0	}	}	-14.3		55.3	Δ	SP-111	
11		2640	269 16 26	43 37	16 23										CK
12	S	2640	89 59 26	00 34			+4.0			+3.5	58.8	Δ			
13		1820	270 00 40	00 40									CK		
14		1320	90 08 00				-4.0			-7.1		51.7	-	SP-112	
15		-0-	-				-5.0					53.8	-	SP-113	
16	N	1320	90 02 56				-4.0			-5.1		53.7	-	SP-114	
17	S	2640	90 06 08	00 08			-4.0	}	}	-4.0		54.8	Δ	SP-115	
18		21	270 00 04	00 04											CK
19															
20															

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AREA Zone A - NPR-4 STATE or PROVINCE Alaska PAGE No. 162
 LINE No.(s) 25 PARTY No. 189 DATE 22 Day 4 Mo. 22 Yr. BOOK No. _____
 SURVEYOR C. Ray RODMAN _____ WEATHER: _____ P.T.S. No. 2612

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	S 10	825		90 11 39	11 39			+4.0		+6.8	61.6	54.8	0			
3				269 48 20	18 30			'					Δ			
4		- 0 -		-				-5.3				56.3	-	115-3	N 2-157	
5	N	495		90 04 57				-4.0		-4.7		56.9	-	SP.116		
6	N	1815		90 22 34	22 34			-2.5	*	-15.5		46.1	0	SP.117		
7				269 37 14	22 46			'					Δ			
8	S	1320		89 50 04	+09 56			+4.5		+0.6	46.7		Δ			
9				270-10-21	+10 21			'					Δ			
10		- 0 -		-				-5.0				41.7	-	SP.118		
11		342		-				-4.8				41.9	-	SP.32	L. oc 18	
12		15														
13	N	1320		90-28-58				-4.0		-18.1		31.6	-	SP.119		
14	N	2640		90-18-01	- 18 01			-4.0		-17.8		28.9	0	SP.120		
15				269-42-05	17-55									CK		
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA Zone A - NPR - 4 STATE or PROVINCE Alaska PAGE No. 163
 LINE No.(s) 25 PARTY No. 184 DATE 22 Day 4 Mo. 74 Yr. BOOK No. _____
 SURVEYOR C. Ray RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1																
2																
3	S	2640		89°49'00" + 11-00												
4				270-11-04 + 11-04												
5	S	1320		89-46-17												
6		-0-														
7	N	1320		90-06-12												
8	N	2640		90-08-43 - 8-43												
9				269-51-23 - 8-37												
10																
11	S	1320		89-31-05												
12																
13		-0-														
14	N	1320		90-04-43												
15																
16																
17		165		85 49 05												
18	H.P. Meter	4997.17		89 54 46												
19				270 06 09												
20																

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