

STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE Alaska PAGE No. 145-H  
 LINE No.(s) 26 PARTY No. 187 DATE 13 Day 4 Mo. 74 Yr. BOOK No. 6  
 SURVEYOR A. Jensen RODMAN J. Byrd WEATHER Cloudy-Cool +5°F P.T.S. No. 2  
G. Logan Volume

LINE	Sighting 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																	
3																	
4		0								75.5		82.7					
5																	
6	E	3960								-4.0		71.3					
7																	
8	E	2640								-4.0		71.7					
9																	
10	E	1320								-4.0		71.9					
11																	
12		0								-5.5		71.2					
13																	
14																	
15	W	1320										70.1					
16																	
17	W	2640								74.0		70.6					
18																	
19																	
20																	

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**STADIA SURVEY NOTES**

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 126  
 LINE No.(s) 26 PARTY No. 184 DATE 19 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR LEIBENGOOD RODMAN G. LOGAN WEATHER: CLEAR & COLD ~~FIG.~~ No. 2  
Vol.

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												77.2	o	SP4	
3	E	2640		90°04'56"				+4.0	{ 77.0				Δ	SP1	55 78.7
4	E	2640		269°57'03				+4.0					CK		
5	E	1320		90°07'19				-4.0					-	SP2	
6		0		—				-5.2				79.8	-	SP3	
7	W	1320		89°55'22				-4.0	{ +18	79.0		77.2	o	SP4	INTERSECTS L-27 AT SP20-02-110
8	W	1320		270°06'55				-4.0					CK		Ref. Reversed Notes
9															
10	E	2640		89°55'18				+4.0	{ -0.3	76.9			Δ		
11	E	2640		270°06'30				+4.0					CK		
12	E	1320		90°07'50				-4.0							
13		0		—				-5.5							
14	W	1320		90°07'25				-4.0							
15	W	2640		90°06'08				-4.0							
16	W	2640		269°55'28				-4.0							
17															
18															
19															
20															

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### STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 147  
 LINE No.(s) 26 PARTY No. 184 DATE 19 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR LEIBENGOOD RODMAN G. LOGAN WEATHER: COLD/CLEAR/WINDY P.T.S. No. 2  
Vol

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	E	3300	90 11' 42"	0 11' 42"					+4.0	+14.4	83.2		SP8	
4	E	3300	269 49 59	0 10' 01"					+4.0					
5	E	1980	90 09 27						-4.0	-9.4	79.8		SP9	
6	E	660	90 3 40						-4.0	-10.5	72.7		SP10	
7		0							-5.3	-5.3	77.9		SP10 660 NR-142	
8	W	660	90 36 07						-4.0	-10.9	72.3		SP11	
9	W	1980	90 10 34	10 34					-4.0	-9.8	73.4		SP12	
10	W	1980	269 50 28	9 52					-4.0					
11														
12	E	2640	90 02 43	2 43					+4.0	+5.5	78.9		SP13	
13	E	2640	269 58 54	1 06					+4.0					
14	E	1320	90 02 40						-4.0	-5.0	73.9		SP14	
15		0							-5.1	-5.1	73.8		SP15	
16	W	1320	90 11 33						-4.0	-8.4	70.5		SP16	
17	W	2640	90 06 00						-4.0	-7.9	71.0			
18	W	2640	269 45 58						-4.0					
19			55' (checked in field)											
20														

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**STADIA SURVEY NOTES**

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 148  
 LINE No.(s) 26 PARTY No. 184 DATE 19 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR LEIBENGOOD RODMAN E. LOGAN WEATHER: COLD/CLEAR/WINDY 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	E	2640		90°03'28"	3 1/2"					+4.0	+6.0	71.0		⊙	SP16		
4	E	2640		269°58'18"	1 1/2"					+4.0				⊙			
5	E	1320		90°07'00"						-4.0	-6.7	70.3		-	SP17		
6		0		—						-5.6	-5.6	71.4		-	SP18	N2-143	
7	W	1320		90°10'41"						-4.0	-8.1	68.9		-	SP19		
8	W	2145		89°58'15"	1 1/2"					-4.1	-2.4	71.6		⊙	SP19+825'	N2-144	
9	W	2145		270°03'40"	3 1/2"					-4.1				⊙			
10																	
11	E	2815		89°57'54"	2 1/2"					+4.1	+1.7	76.3		⊙			
12	E	2815		270°03'40"	2 1/2"					+4.1				⊙			
13	E	2640		90°00'57"						-4.0	-4.7	71.6		-	SP20		
14	E	1320		90°06'13"						-4.0	-6.4	69.9		-	SP21		
15		0		—						-5.0	-5.0	71.3		-	SP22		
16	W	1320		90°08'26"						-4.0	-7.2	69.1		-	SP23		
17	W	2640		90°07'33"	07 2/3"					-4.0	-6.2	70.1		⊙	SP24		
18	W	2640		269°53'58"	2 1/2"					-4.0				⊙			
19																	
20																	

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## STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 149  
 LINE No.(s) 26 PARTY No. 184 DATE 19 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR LEIBENGOOD RODMAN G. LOGAN WEATHER: COLD/CLEAR/WINDY PTS. No. 2  
VOL

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	132.0			90 06 33													
4	E	132.0			269 55 47													
5		0																
6	W	132.0			90 18 22													
7	W	264.0			90 03 58													
8	W	264.0			269 58 06													
9																		
10	E	264.0			89 58 21													
11	E	264.0			270 03 15													
12	E	132.0			90 01 47													
13		-0-																
14	W	132.0	165.0		90 23 48													
15	W	132.0	165.0		269 37 52													
16																		
17																		
18																		
19																		
20																		

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## STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 150  
 LINE No.(s) 26 PARTY No. 184 DATE 19 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR LEIBENGOOD RODMAN G. LOGAN WEATHER: COLD/CLEAR/WINDY P.T.S. No. 2  
VOL

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													57.0	⊙	SP30	
2																
3	E	804		90 25 15	22 15'				+4.0	+9.6	66.6			⊙		
4	E	804		269 37 03	22 15'				+4.0					⊙		
5		-0-							-4.0				62.6	-	SP30 + 804'	
6	W	516		90 33 24					-4.0	-9.0			57.6	-	SP31	
7	W	1836		90 05 10	02 15'				-4.0	-6.1			60.5	⊙	SP32	
8	W	1836		269 57 10	02 15'				-4.0					⊙		
9																
10	E	495		90 03 32	03 32'				+4.0	+4.4	64.9			⊙		
11	E	495		269 58 25	03 32'				+4.0					⊙		
12		-0-							-5.1				59.8	-	SP32 + 495' N2-146	
13	W	825		91 12 30					-4.0	-21.4			43.5	-	SP33 (See Page 142)	
14	W	2145		90 14 48	12 43'				-4.0	-12.6			52.3	⊙	SP34	
15	W	2145		269 47 17	12 43'				-4.0					⊙		
16																
17																
18																
19																
20																

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## STADIA SURVEY NOTES

AREA ZONE "A" NPR-4 STATE or PROVINCE ALASKA PAGE No. 151  
 LINE No.(s) 26 PARTY No. 184 DATE 20 Day 4 Mo. 24 Yr. 1 BOOK No. 1  
 SURVEYOR C. RAY RODMAN WEATHER: overcast windy cold ~~BTS~~ No. 2  
 Voc

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	E	1320		89°30'29"				+4.0		-7.5	44.8	52.3	0	SP-34		
3				270 30 07												
4		0		<del>77</del>				-5.0				39.8	-	SP-35		
5	W	-54-		96 18 00									-	Line Inter of 26 & 25 Top of		
6	S	670		89 38 50				-9.0		-49		39.9	-	SP-42 Line 25		
7		650										39.9	-	Tie 0.0		
8	N	450		89 39 39				-6.0		-22		42.6	-	SP-45 Line 25		
9												44.0		Tie 1.4		
10	W	1320		89 16 48				-9.0		712.7		57.5	0	SP-36		
11				270 93 89										OK		
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. 152  
 LINE No.(s) 26 PARTY No. 184 DATE 21 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR C. Ray RODMAN R. Byrd WEATHER: Cold Windy 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	Correc-tion	Center Hair			INST.	ROD		
1															
2		330													Pick up Survey at SP 32 which is ahead because of chaining error
3		-0-													Ref. Page 150 Line 7
4	W	990		91°17'23"				+5.1			65.6				
5	W	2310		90°13'48"				-4.0		-26.3		39.3			SP 33
6				269 46 42				-4.0		-13.1		52.5			SP 34
7	E	2640		90°03'18"				+4.0		+6.3	58.8				CK
8				269 57 15											CK
9	E	1320		90°33'22"				-4.0		-16.8		42.0			SP 35
10	E	936		91°14'31"				-0.0		-20.3		38.5			Top of Pipe Line
11															Inter Ln. 26 & Ln. 25
12		-0-						-5.1				59.7			SP 36
13	W	1320		90°13'08"				-4.0		-9.0		49.8			SP 37
14		2640		90°01'55" 32				-4.0		-5.0		53.8			SP 38
15				269 58 52											CK
16	E	2970		90°10'32"				+4.0		+13.2	670				A
17				269-49-12											CK
18	E	1650		90-24-40				-4.0		-15.8		51.2			SP 39
19	E	330		92-08-48				-4.0		-16.4		50.6			SP 40
20		-0-						-4.0		-5.1		61.9			N 2-148

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## STADIA SURVEY NOTES

AREA Zone A, NPR 4STATE or PROVINCE AlaskaPAGE No. 153LINE No.(s) 26PARTY No. 184DATE 21 Day 4 Mo. 74 Yr.BOOK No. 1SURVEYOR C. RayRODMAN K. ByrdWEATHER: cold windy

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	Correc-tion	Center Hair			INST.	ROD		
1												67.0			
2	W	990		90° 05' 00"	0.05.01'				-4.0		-5.4	61.6	0	SP-91	
3				269 55 07	0.04.56				" "				OK		
4															
5	E	1320		90 02 26	0.02.026				+4.0		+4.9	66.5		A	
6				269 57 53	0.02.07								OK		
7		-0-		*					-5.0			61.5	-	SP-42	
8	W	1320		90 47 18					-4.0		-22.2	44.3	-	SP-43	
9	W	2640		90 09 19	0.04.19				-4.0		-7.2	59.3	0	SP-44	
10				269 56 57	0.03.57								OK		
11	E	2640		90 05 07	0.05.07				+4.0		+7.8	67.1		A	
12				269 55 08	0.04.52								OK		
13	E	1320		90 13 37					-4.0		-9.2	57.9	-	SP-45	
14		-0-		-					-5.0			62.1	-	SP-46	
15	W	1320		90 16 00					-4.0		-10.1	47.9	-	SP-47	
16	W	2640		90 07 09	0.07.09				-4.0		-9.3	57.8	0	SP-48	
17				269 53 26	6.34								OK		
18	E	2640		90 19 07	0.19.07				+4.0		+18.6	76.4		A	
19				269 41 06	0.18.54								OK		
20	E	1320		90 15 28					-4.0		-9.9	66.5	-	SP-49	

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STADIA SURVEY NOTES

AREA Zone A NPR-4

STATE or PROVINCE ALASKA

PAGE No. 154

LINE No.(s) 26

PARTY No. 184

DATE 21

Day 4

Mo. 74

Yr. BOOK No. 1

SURVEYOR C. Ray

RODMAN L. Boyd

WEATHER: Cold windy

P.T.S. No. 2

Vol. 1

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												76.9		Δ		
2		-0-		-									72.4	-	SP-50	
3	<u>NW</u>	<u>1320</u>		<u>90 01 50</u>							<u>74.7</u>		<u>71.7</u>	-	SP-51	
4	<u>W</u>	<u>2640</u>		<u>89 43 58</u>	<u>0-16-04</u>						<u>78.4</u>		<u>84.8</u>	0	SP-52	
5	"	"		<u>270 16 21</u>	<u>0-16-21</u>										CK	
6	"	<u>341</u>		<u>89 56 49</u>	<u>0-08-11</u>						<u>73.7</u>	<u>88.5</u>			Δ	
7	"	"		<u>270 03 28</u>	<u>0-03-28</u>										CK	
8		-0-		-									<u>83.7</u>	-	N2-149	
9		<u>Intersection line 21 &amp; 26</u>														
10		<u>979</u>		<u>90 00 49</u>							<u>-4.2</u>		<u>84.3</u>	-	SP-53	
11		<u>2299</u>		<u>90 03 21</u>	<u>0-03-21</u>						<u>-6.1</u>		<u>82.4</u>	-	SP-54	
12		"		<u>269 56 57</u>	<u>0 03 03</u>										CK	
13		<u>672</u>		<u>89 57 05</u>	<u>0-02-55</u>						<u>74.0</u>		<u>84.5</u>	0	Top of P. pa 21 SP-44 line 21	
14		"		<u>270 02 52</u>	<u>0 02 52</u>										CK 2150 TP N2-46	
15													<u>84.6</u>			
16													<u>-0.1</u>			
17																
18																
19																
20																

Ref. BK. #1 Vol. #1 Pg. 58 Ln. 7

See Page 184 for continuation of Line 26

## STADIA SURVEY NOTES

AREA Zone A NPR 4 STATE or PROVINCE Alaska PAGE No. 185  
 LINE No.(s) 26 PARTY No. 184 DATE 28 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: cold-windy P.T.S. No. 2  
101.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1											95.6					
2	E	3229		90 08 24"				-4.0		-11.9		83.7	⊙	SP	61 Line 26	
3																
4	W	2640		90 20 14"				+4.0		+19.5	103.2		Δ			
5																
6	W	1320		90 33 39"				-4.0		-16.9		82.3		SP	60 " "	
7																
8		0		✓				-5.4				97.8		SP	59 " "	
9																
10	E	980		89 20 12"				-5.9		+5.4		108.6	⊙	N2	-150	
11		⊙		✓				+6.4			115.0		Δ			
12	E	340		90 59 32"				-4.0		-9.9		1051		SP	58	
13																
14	E	1660		90 15 12"				-4.0		-11.3		103.7		SP	57	
15																
16	E	2980		90 18 11"				+4.0		-19.8		95.2	⊙	SP	56	
17	W	1320		<del>89</del> 90 00 04"				+4.0		+4.0	99.2		Δ			
18		0		✓				-5.5				93.7		SP	55	
19																
20																

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## STADIA SURVEY NOTES

AREA Zone A KPR-4 STATE or PROVINCE A/20 K2 PAGE No. 184  
 LINE No.(s) 26 PARTY No. 184 DATE 28 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN — WEATHER: cloudy - windy -10 P.T.S. No. 2  
201.

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.	ROD				
2																	
3	S	145		90°45'56"					+4.0	+5.9	95.6			SP 110	Line 19		
4																	
5	S	1465		90 19 54					-4.0	-12.5		83.1		SP 111	" "		
6																	
7	S	2785		90 01 22					-4.0	-5.1		90.5		SP 112	" "		
8		0		-					-1.4			(94.2)			TOP OF PIPE at 42-197		
9	N	3815		90 06 55					-4.0	-11.7		83.9		SP 107	ln 19		
10																	
11	N	2495		90 21 09					-4.0	-19.3		76.3		SP 108	" "		
12	N	1175		-										SP 109			
13																	
14	W	631		90 56 19					-4.0	-14.3		81.3		SP 64	Line 26		
15																	
16	W	1951		90 19 12 ✓					-4.0	-14.9		80.7		SP 65	" "		
17																	
18	E	689		90 22 36 ✓					-4.0	-8.5		87.1		SP 63	" "		
19														SP			
20	E	2009		90 14 23 ✓					-4.0	-12.4		83.2		SP 62	" "		

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**STADIA SURVEY NOTES**

AREA Zone A - NPR-4 STATE or PROVINCE Alaska PAGE No. 186  
 LINE No.(s) 26 PARTY No. 184 DATE 28 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN NONE WEATHER: cold-windy P.T.S. No. 2  
201.

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								Re. 19.	185	Ln. 18	99.2				
2	E	1320		90 31 14"				-4.0	-16.0		83.2	○	SP	54	
3	W	1320		90 08 52"				+4.0	+7.4	90.6		△			
4		0		-				-5.4			85.2		SP	<del>53</del>	
5	E	979		90 08 47"				-4.0	-6.5		84.1	○	N2	-149 (Turn	
6															
7															
8	E	1320		90 03 10"				-4.0	-5.2		85.4		SP-	152	
9															
10		<del>0</del>		<del>-</del>				<del>+5.5</del>					A		
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

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See Page 187

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**STADIA SURVEY NOTES**

Sunday

AREA Zona A NPR-4 STATE or PROVINCE ALASKA PAGE No. 187  
 LINE No.(s) 26 PARTY No. 184 DATE 4 Day 28 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN \_\_\_\_\_ WEATHER: cold-windy -10°P P.T.S. No. 2  
 101

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											84.1	0	N2-149	
2														
3		0												
4	S	648		90° 22' 22"				+5.3		89.9		Δ	set over Hub	↑ 200
5								-4.0	-8.2		81.2		SP 43 Line 21	
6														
7	S	1968		90 14 05				-4.0	-12.1		77.3		SP 42 Line 21	↑ 200
8														
9														
10	N	672		90 14 38				-1.5	-4.8	84.6	0	SP	44 Line 21	↑ 200
11				269 42 53			"	"						
12		0		(above Pipe)				+2.6		87.2		Δ	(N2-46)	
13														
14														
15	N	1320		89 42 51				-4.0	+2.2		89.8		SP 45 Line 21	
16														
17														
18														
19														
20														

Ref. BK. 1 Page 58 Line 7  
 This elev. used to carry elevations West along Line 26 to Line 19

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STADIA SURVEY NOTES

AREA Zone A NPR-4 STATE or PROVINCE Alaska PAGE No. 188  
 LINE No.(s) 26 PARTY No. 184 DATE 28~~4~~ Day 4~~28~~ Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN — WEATHER: 6:12 - Windy - 10 P.T.S. No. 2  
V.P.I.

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		T/O														LN2-187-Line 19
2																LN2-197-Line 26
3																(Top of pipe intersection of Lines 26 + 19
4	NE	3107	V		Dir	B	+0.2	+15.5	+15.7	mean	+5.8	110.0		SA		
5	"	"	V		Rev	B	+0.4	+15.5	+15.9					CK		
6		0							-5.3				94.7			LN2-198
9	W	164		91 54 17"					-4.0		-9.4		100.6		SP	66
11	W	1484		92 40 36"					-4.22		-47.4		12.6		SP	67
13	W	2804		91 09 30"					-4.0		-56.9		53.1		SP	68
14	"	"		268 54 45"					"		"		"		CK	
15																
16																
17																
18																
19																
20																

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## STADIA SURVEY NOTES

AREA Zone A - NPP-4 STATE or PROVINCE \_\_\_\_\_ PAGE No. 189  
 LINE No.(s) 26 PARTY No. 184 DATE 29 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN Sickles WEATHER: cold - windy -10° P.T.S. No. 1  
 Notes V.D.I.

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												53.1	0	SP	68
2															
3	E	663		91° 32' 42"				+4.0		+26.9	75.0				
4				268° 27' 46"											CK
5															
6	W	655		91° 13' 03"				-4.0		-17.9		57.1		SP	69
7															
8	W	1975		90° 36' 06"				-4.0		-24.9		50.1		SP	70
9				269° 23' 25"											CK
10	E	825		91° 38' 36"				+4.0		+27.8	77.9				
11				268° 27' 00"											CK
12															
13	W	495		89° 48' 09"				+4.0		-2.3		75.6		SP	71
14				270° 11' 48"											
15	W	1915		88° 50' 18"				+4.0		+34.8		112.7		SP	72
16				<del>270° 11' 48"</del>											
17				271° 09' 28"											
18															
19															
20															

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## STADIA SURVEY NOTES

AREA Zone A - NPR - 4 STATE or PROVINCE Alaska PAGE No. 190  
 LINE No.(s) 26 PARTY No. 184 DATE 29 Day 4 Mo. 74 Yr. BOOK No. 71  
 SURVEYOR A. Jensen RODMAN Sickles WEATHER: Cold - Windy P.T.S. No. 2  
Note 201.

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				41' 15"								112.7			SP 72
2	E	825		90° 42' 10"				+ 4.0		+14.0	126.7				
3				269° 17' 54"				"							
4															
5	W	495		90° 10' 55"				- 4.0		-5.6	121.1				SP 73
6				269° 48' 07"											
7	W	1815		89° 58' 38"				- 4.0		- 3.4	123.3				SP 74
8				270° 00' 46"											
9	W	3135		89° 50' 15"				- 5.0		+ 3.6	130.7				SP 75
10				270° 09' 06"											
11	W	3630		89° 50' 15"				- 5.0		+ 5.0	131.7				N2-199 = SP75 + 495
12				270° 09' 06"											
13															
14		0.0													
15															
16	E	2145		89° 29' 08"				+ 5.0		- 14.2	117.5				
17				270° 30' 35"											
18	NE	1320		89° 50' 14"				- 4.0		- 0.2	117.3				SP 76
19															
20	N	0.0													SP 77 (ALSO N2-200)

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## STADIA SURVEY NOTES

AREA Zone A - NPR-4 STATE or PROVINCE Alaska PAGE No. 191  
 LINE No.(s) 26 PARTY No. 184 DATE 27 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN SICKLES WEATHER: cold - windy P.T.S. No. 2  
Notes Vol.

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											117.5				
2															
3	W	1320		90 11	54			-4.0	-8.6		108.9			SP 78	
4															
5	W	2640		89 40	06			-4.0	+11.0		128.5			SP 79	
6				87 19	21			-4.0							
7	E							-4.0							
8	E	32		2				+7.5	+7.5		136.0				
9	W	1288						-4.0						SP 80	
10		0						-5.7	-5.7		130.3			N2-201	
11	W			N2-201 is on E. edge of Lake					high bluff					SP 81	
12															
13	W	1288		92 19	20			-4.0	-56.2		79.8			SP 80	
14				267 40	13										
15	W	2608		91 03	43			-4.0	-52.6		83.4			SP 81	
16				268 55	48										
17	E	2475		91 02	36			+4.0	+49.5		132.9				
18				268 56	17										
19	E	1155		92 26	58			-4.0	-53.3		79.6			SP 82	
20															

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**STADIA SURVEY NOTES**

AREA Zone A - N10R STATE or PROVINCE Alaska PAGE No. 192  
 LINE No.(s) 22 PARTY No. 184 DATE 29 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN SICKLES WEATHER: Cold - Windy P.T.S. No. 2  
Notes 221.

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												132.9				
2	W	165		92 15	42				-4.0	-70.5		122.4		SP	83	
3																
4	W	1435		91 34	03				-4.0	-44.2		88.3		SP	84	
5																
6	W	2805		90 20	54				-4.0	-21.4		111.5		SP	85	
7				269 38	09											
8	E	3465		90 11	30				+4.0	+15.9	127.4					
9				269 47	50											
10	E	2145		91 02	35				-4.0	-43.3		84.1		SP	86	
11				268 56	39											
12	E	225		90 56	21				-4.0	-17.5		109.9		SP	87	
13		0.0							-5.9	-5.9		121.5				
14	W	495		90 34	56				-4.0	-9.0		118.4		SP	88	
15																
16	W	1815		90 01	05				-4.0	-4.9		122.5		SP	89	
17				269 57	43											
18	E	2805		89 47	06				+4.0	-6.0	116.5					
19				270 11	39											
20																

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**STADIA SURVEY NOTES**

AREA Zone A - NPR-4 STATE or PROVINCE A 125 K2 PAGE No. 193  
 LINE No.(s) 26 PARTY No. 184 DATE 29 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen ~~RODMAN~~ Sickles WEATHER: Cold-Windy P.T.S. No. 2  
Notes Vol.

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											116.5				
2			N2-203A = Int. of lines 26 & 17.												
3			Pipe set Intersection stands four feet high.												
4											106.2 = top of pipe				
5											102.2			N2-203A (Ice Level)	
6	E	1500	90	23	17				-4.0	-14.3				CK	
7	E		269	35	58										
8	E	1485	90	23	17				-4.0	-14.2		102.3		SP 90	
9			269	35	58									CK	
10	E	165	91	36	36				-4.0	-9.6		106.9		SP 91	
11	E	165	268	03	00									CK	
12	W	1155	90	43	44				-4.0	-18.8		97.7		SP 92	
13			269	15	25									CK	
14	W	2475	90	18	33				-4.0	-17.6		98.9		SP 93	
15			269	40	41									CK	
16	E	1485	90	10	12				+4.0	+8.6	107.5				
17			269	49	60									CK	
18	E	165	91	31	30				-4.0	-8.4		99.1		SP 94	
19															
20	W	1155	90	25	17				-4.0	-12.5		95.0		SP 95	

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## STADIA SURVEY NOTES

AREA NPR-4 Zone A STATE or PROVINCE Alaska PAGE No. 194  
 LINE No.(s) 26 PARTY No. 184 DATE 29 Day 4 Mo. 24 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR A. Jensen ~~RODMAN~~ Sickles WEATHER: Cold-Windy P.T.S. No. \_\_\_\_\_  
 Notes

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												107.5				
2	W	2475	89 52	15				-4.2		+7.3		108.8	○		SP 96	COMMON w/ NR-204
3			270 07	25												
4	E	2475	90 02	50				+4.2		+6.5	115.3		A			
5			269 56	22												
6	E	765 → 1135	89 59	58				-4.0		-4.0		111.3			SP 97	
7																
8	W	165	91 53	11				-4.0		-9.4		105.9			SP 98	
9																(SP-99 missed)
10	W	2805	90 06	25				-4.0		-9.4		105.9	○		SP 99	100
11			269 53	09												
12	W	4125	89 51	05				-4.0		+6.2		121.5	⊗		SP 100	COMMON w/ NR-205
13			270 08	08												
14																
15																
16																
17																
18	E	1320	90 36	02				-4.0		-17.8	111.9	94.1			SP 99	
19																
20	W															

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## STADIA SURVEY NOTES

AREA Zone A - NPR-4 STATE or PROVINCE Alaska PAGE No. 195  
 LINE No.(s) 26 PARTY No. 184 DATE 29 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN Sicksles WEATHER: clear-cold P.T.S. No. 2  
Notes 121.

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												121.5	⊙	SP	101		
2	E	2472	89.38	08	+4			+4.0	}	-11.2	109.9	}	Δ	SP	102		
3			89.21	37													
4	E	1152	90.25	34	+			+4.0	}	-19.3		90.6	}	SP	107		
5			90.54	55													
6	W	168	90.54	55				-4.0	}	-12.5		97.4	}	SP	103		
7																	
8	W	1488	90.02	23				-4.0	}	-5.2		104.7	}	SP	104		
9			89.57	02													
10	W	2313	89.19	43				-4.0	}	+22.8		132.7	⊙	SP	104-3		
11			270.39	31													
12																	
13																	
14	E	990	89.59	42				+4.0	}	+4.0	136.4	}	Δ				
15			269.59	56													
16	E	495	90.14	35				-4.0	}	-6.1		130.3	}	SP	105		
17																	
18	W	825	91.45	52				-4.0	}	-29.4		107.0	}	SP	106		
19																	
20																	

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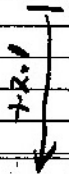
STADIA SURVEY NOTES

AREA Z 220A-NPR-4 STATE or PROVINCE Alaska PAGE No. 196  
 LINE No.(s) 26 PARTY No. 184 DATE 29<sup>th</sup> Day 4 Mo. 74 Yr. BOOK No. 21  
 SURVEYOR A. Jensen RODMAN J. M. SICKLES WEATHER: Clear-Cold P.T.S. No. 2  
Nd= Wol.

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	W	2145	90 30 12					-4.0	-22.9	136.4	113.5	SP	107	
2			269 29 31											
3	W	4620	89 54 43					4.1	+2.8		139.6	CK	(N2-206 - = SP, 108 + 143.5"	
4			270 05 00											
5														
6														
7														
8														
9		00						+5.0	+5.0	144.5		CA		
10												ER		
11														
12	E	1153	90 59 16					-4.0	-23.9		120.6	SP	108	
13														
14	W	163	91 50 10					-4.0	-9.3		135.2	SP	139	
15														
16	W	1485	90 24 01					-7.0	-46.6	+2.1	130.0 127.9	CK	SP 110	
17			*269 25 32						-14.5					
18	E	1155	90 02 48					+4.0	+4.9		132.8	CA		
19			269 57 14											
20	W	163	91 13 12					-4.0	-7.5		125.3	SP	111	

SP-108 was bypassed - will pick it up from next set up

\* This angle should read 35' not 25' ag or



**STADIA SURVEY NOTES**

AREA Zone A - NPR-4 STATE or PROVINCE Alaska PAGE No. 197  
 LINE No.(s) 22 PARTY No. 184 DATE 30 Day 4 Mo. 24 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN None WEATHER: clear - mild P.T.S. No. 2  
421.

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											132.8			+2.1	
2	W	1485		91 24 39				-4.0	-40.6		92.2		SP 112		
3															
4	W	2805		90 42 57 - 0 42	57	30 43 05		-4.0	539.1		93.7		SP 113		
5				269 16 42 - 2 43	185										
6															
7	W	990		90 11 17				+4.0	+7.4	101.1			set UP over N2-207A		
8				269 47 50											
9	N	630		91 05 39				-4.0	-12.1		85.0		SP 42 line 33		
10				268 53 51				-4.0			88.1		From Party 186		
11											-3.0				
12	N	1250	R-269 36 45					-4.0	-17.0		84.1		SP 43 line 33		
13			D- 90 22 45					-4.0							
14															
15															
16		0		- -				-5.3			95.8		N2-207A		
17															
18															
19															
20															



## STADIA SURVEY NOTES

AREA Zone A NPR 4 STATE or PROVINCE Alaska PAGE No. 198  
 LINE No.(s) 26 PARTY No. 184 DATE 30 Day 4 Mo. 24 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN None WEATHER: clear-mild P.T.S. No. 2  
Vol.

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															
3	E	<del>1048</del> 1592		90 42 40.6											
4				269 17 19.2											
5	E	272		92 38 35											
6				267 21 10											
7	W	1048		91 21 00											
8				<del>268 28 87</del>											
9	W	2368		90 09 55											
10				265 49 37											
11	E	534		91 52 22											
12				268 07 37											
13		0													
14															
15	W	786		91 11 50											
16				268 48 04											
17	W	1291		90 05 52											
18				265 53 40											
19	E	2135		89 46 11											
20				270 13 28											

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STADIA SURVEY NOTES

AREA Zone A - NPR-4 STATE or PROVINCE Alaska PAGE No. 199  
 LINE No.(s) 22 PARTY No. 184 DATE 30 Day 4 Mo. 24 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: Clear-mild P.T.S. No. 2  
221

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												120.4			
2	E	1320		90° 31' 03"					-4.0		-75.9		104.5	SP	118
3															
4		0		-					-5.4				115.0	SP	119
5															
6	W	1320		90° 54' 43"					-4.0		-25.0		95.4	SP	120
7															
8	W	2640		89° 40' 12"					-4.5		+12.2		132.6	SP	121
9				270° 23' 48"										CK	A150-N2-208
10	E	825		90° 39' 59"					+4.5		+14.1	146.7		SD	
11				269° 19' 38"										CK	
12															
13		0		-					-4.7				142.0		NR-208
14															
15	W	495		92° 01' 39"					-4.0		-21.5		124.2	SP	122
16															
17	<del>W</del>	<del>1815</del>		<del>90° 36' 30"</del>					<del>-4.0</del>		<del>+25.2</del>		<del>121.5</del>	<del>SP</del>	<del>123</del>
18	<del>W</del>	<del>4455</del>		<del>269° 19' 04"</del>					<del>-4.0</del>		<del>+30.4</del>		<del>103.1</del>	<del>SP</del>	<del>SP-124 missed</del>
19	<del>W</del>	<del>4455</del>		<del>90° 24' 10"</del>					<del>-4.0</del>		<del>+30.4</del>		<del>111.3</del>	<del>SP</del>	<del>12*5</del>
20				<del>269° 35' 39"</del>											

+ 2.1

3135

SP-124 Missed - see next page

NG

TI-555B

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2nd

## STADIA SURVEY NOTES

AREA Zone A - NIPR-4 STATE or PROVINCE Alaska PAGE No. 200  
 LINE No.(s) 26 PARTY No. 184 DATE 32 Day 4 Mo. 24 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: clear - mild R.T.S. No. E  
 Vol. 101.

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			Extra set up to catch									103.1			SP 125	
2			Re: Pg. 199 line 19									108.7				
3		0										116.9				
4	E	1320		89 43 50				10 10"			+2.2	110.9			SP 124	
5																
6	E	2240		89 24 40							+23.1	131.8			SP 123	
7																
8	E	4455		89 23 33							+43.2	151.9			N2-209	
9																
10																
11																
12								Re: Pg. 199 - line 19				103.1				
13	E	2640		90 30 16							+27.3	130.4	111.3		SP 125	
14		"		269 25 30												
15	E	1320		90 33 20							-16.8	113.2			SP 126	
16																
17		0														
18																
19	W	<del>1320</del> 1320		90 28 30							+15.1	115.3			SP 128	
20		1320		269 30 55												

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2nd

(not part of  
main traverse)

WORKED BACK

## STADIA SURVEY NOTES

AREA Zone A. NPR-4 STATE or PROVINCE Alaska PAGE No. 201  
 LINE No.(s) 26 PARTY No. 184 DATE 30 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: clear - mild P.T.S. No. 2  
101.

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												130.4					
2	W	2640			90 18 00				-4.0	-18.0		<del>138.6</del> 112.4	120.6	○	SP	129	
3		"			269 41 30				"					○	CK		
4																	
5	E	2640			90 16 08				+7.4	+19.9		<del>132.3</del> 140.1		△			
6		"			269 43 29				"								
7		1320			90 12 17				-4.0	-8.9			123.4		SP	130	
8		"			269 46 36				"								
9		0			✓				-5.3				135.2		SP	131	
10																	
11	W	1320			90 38 38				-10.0	-24.8			109.5		SP	132	
12													107.2				
13	W	2640			90 26 58				-4.0	-25.1			<del>115.4</del> 107.2	○	SP	133	
14		"			269 32 05				"					○	CK		
15																	
16	E	1320			90 55 25				+4.0	+25.3		<del>132.5</del> 140.7		△			
17		"			269 04 40				"					○	CK		
18		0			✓				-5.4				127.1	-	SR	134	
19	W	825			89 46 54				-4.0	-0.9			<del>139.8</del> 131.6	○	N 2-211		
20		"			270 12 31				"					○	CK		

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## STADIA SURVEY NOTES

AREA Zone A-NPR-4 STATE or PROVINCE Alaska PAGE No. 202  
 LINE No.(s) 26 PARTY No. 184 DATE 1 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: clear-mild P.T.S. No. 2  
 Vol. 101.

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												122.5	131.6	⊙	N2-211	
2	E	1815		89 44 34					+4.0	-4.1		135.7	137.8	Δ		
3	"	"		270 15 03					"							
4	E	1320		89 45 46					-4.0	-1.4		126.1			SP 135	
5				270 13 50												
6		0		-					-5.4			122.1			SP 136	
7																
8	W	1320		90 30 19					-4.0	-13.7		111.8	120.5	⊙	SP 137	
9	"	"		269 29 24					"							
10																
11	E	1155		90 02 24					+4.0	+4.9		116.7	124.9	Δ		
12	"	"		269 57 00					"							
13		0		-					-5.4			111.3			SP 137-4	
14																
15	W	145		91 45 15					-4.0	-9.0		107.7			SP 138	
16																
17	W	990		90 34 20					-4.0	-13.9		102.8	111.0	⊙	SP 138-3	
18	"	"		269 25 16					"							
19	E	2145		89 22 27					+4.0	-19.3		91.7		Δ	Re: Pg. 203 Line 1	
20	"	"		270 37 08					"							

TI-588B

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2nd \_\_\_\_\_

\* This Elevation from Party 186 work

New York

## STADIA SURVEY NOTES

AREA Zone A - NPR-4 STATE or PROVINCE Alaska PAGE No. 203  
 LINE No.(s) 26 PARTY No. 184 DATE 1 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: clear - m. 1d P.T.S. No. 2  
Vol.

LINE	Bearing of Sight	Stadio 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		<del>89 41 02</del>																
3	E	1320		89 41 02							+3.3		81.8				SP 139	
4	E	219		90 20 45							-5.1		78.4				N2-212-A = SP-139+	
5																	1107'	
6																		
7																		
8		0																
9																		
10	W	1320		90 07 50							-10.9		72.6					SP 141
11	"	"		269 51 31														
12	W	2640		90 03 27							-6.9		76.6					SP 142
13	"	"		269 55 50														
14	E	2640		90 08 38							+11.0		87.6					
15	"	"		269 50 26														
16	E	1320		90 11 30							-8.4		79.2					SP 143
17		0																
18	W	1320		89 47 50							+2.2		89.8					SP 144
19	W	2640		89 35 20							+14.7		102.3					SP 145
20	"	"		270 24 09														SP 146

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of OR CONT. on page 205

**STADIA SURVEY NOTES**

AREA Zone A NPR-4 STATE or PROVINCE Alaska PAGE No. 204  
 LINE No.(s) 26 PARTY No. 184 DATE 30 Day 4 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: clear-mild P.T.S. No. 2  
MAP

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			This Elev. is the top of a			Hub about						78.4	⊙	N2-212A		
2			1.0 above ground level -			worked										
3			back from SP-48 Line 7			- see below										
4		-0-							+5.0		83.4	Δ				
5	S	339-		90-17-18					-4.0	-5.7	* 77.7	-	SP-48 L-7			
6	S 1659 987			88-29-00					-9.0	+30.3	113.7	-	SP 47 L-7			
7	N	981		90-07-03					-4.0	-6.0	77.4	-	SP 49 L-7	77.8		
8	N	2301		90-03-00					-4.0	-6.0	77.4	-	SP 50 L-7	78.4		
9																
10																
11																
12			* This Elev. supplied by Party 186 (Lloyd Lyman - Surveyor) and													
13			will be used to carry Elevations West along line 26													
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. 203  
 LINE No.(s) 26 PARTY No. 184 DATE 1 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: clear - mild P.T.S. No. 2  
UD1.

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					Re: <u>Pg. 203</u>				<u>L<sub>1</sub></u>	<u>19</u>		<u>102.3</u>	<u>0</u>	<u>SP 142</u>	
2	<u>E</u>	<u>2145</u>		<u>90 20 10</u>					<u>+6.6</u>		<u>+19.3</u>	<u>121.6</u>	<u>Δ</u>		
3				<u>269 39 20</u>					"						
4	<u>E</u>	<u>825</u>		<u>90 34 15</u>					<u>-4.0</u>		<u>-12.2</u>	<u>109.4</u>		<u>SP-147</u>	
5		<u>0</u>							<u>4.8</u>			<u>116.8</u>		<u>N2-212</u>	
6															
7															
8	<u>W</u>	<u>495</u>		<u>90 30 36</u>					<u>-4.0</u>		<u>-8.4</u>	<u>113.2</u>		<u>SP 148</u>	
9															
10		<u>1815</u>		<u>90 29 35</u>					<u>-4.0</u>		<u>-19.6</u>	<u>102.0</u>	<u>Δ</u>	<u>SP 149</u>	
11															
12	<u>W</u>	<u>1980</u>		<u>90 21 27</u>					<u>-4.0</u>		<u>-16.3</u>	<u>105.3</u>	<u>0</u>	<u>SP 149-1</u>	
13				<u>269 38 37</u>					"						
14	<u>E</u>	<u>2475</u>		<u>89 30 04</u>					<u>+4.0</u>		<u>-17.3</u>	<u>88.0</u>	<u>Δ</u>		
15				<u>270 29 22</u>					"						
16		<u>1320</u>		<u>89 54 15</u>					<u>-4.0</u>		<u>-1.8</u>	<u>86.2</u>		<u>SP 150</u>	
17		<u>0</u>							<u>-5.4</u>			<u>82.6</u>		<u>SP 151</u>	
18															
19	<u>W</u>	<u>1320</u>		<u>89 59 05</u>					<u>-4.0</u>		<u>-3.4</u>	<u>84.6</u>	<u>0</u>	<u>SP 152</u>	
20				<u>270 01 15</u>					"						

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## STADIA SURVEY NOTES

AREA Zone A - N.P.R. - 4 STATE or PROVINCE Alaska PAGE No. 206  
 LINE No.(s) 22 PARTY No. 184 DATE 1 Day 3 Mo. 24 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: clear-mild P.T.S. No. 2  
421.

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												84.6	0	SP	152
2	E	2475		90 01 34					+4.0	+75.3	89.9		{ $\Delta$		
3	"	"		269 57 50					"						
4	E	1155		90 49 46					-4.0	-20.7		69.2		SP	153
5															
6	W	165		91 18 43					-4.0	-7.8		82.1		SP	154
7															
8	W	2310		89 55 15					-6.0	-3.0		86.9	{0	SP	155-371 am man
9				270 04 10					"				{ $\uparrow$	N2-213	
10													{ $\downarrow$		
11															
12	W	330		89 07 53					+6.0	+1.0	87.9		{ $\Delta$		
13	E	495		93 28 30					-4.0	-83.0		54.9		SP	155
14															
15															
16	E	660		89 50 00					+6.0	-7.4	79.5		{ $\Delta$		
17				271 09 44					"						
18	E	165		89 43 20					-4.0	-3.2		70.3		SP	156
19															
20	W	1155		91 01 48					-4.0	-24.8		54.7		SP	157

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## STADIA SURVEY NOTES

AREA Zone A - NPR-4 STATE or PROVINCE Alaska PAGE No. 207  
 LINE No.(s) 26 PARTY No. 184 DATE 1 Day 5 Mo. 24 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: clear - mild P.T.S. No. 2  
127.

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											79.5				
2	<del>W</del>	2775		89 58 13		0 01 47		-4.0		-2.7	71.8		SP	158 <sup>9</sup> ?	
3															
4	W	3795		89 42 26				-4.0		+15.1	94.6	50	SP	159/160	
5	"	"		270 17 02				"							
6															
7															
8															
9															
10															
11	W	1155		89 28 11				-4.0		-6.7	87.9				
12															
13	E	125		89 49 27				-4.0		-17.8	70.1		SP	155	
14															
15	E	1425		81 45 4.2				-4.0		-49.7	38.2		SP	158	
16															
17															
18															
19															
20															

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2nd \_\_\_\_\_

 Not Part of  
 Traverse

## STADIA SURVEY NOTES

AREA Zone A - NPR-4 STATE or PROVINCE Alaska PAGE No. 208  
 LINE No.(s) 26 PARTY No. 187 DATE 1 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN None WEATHER: Clear-mild 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	E	825		91 25 45				Re: Pg.	2.07				94.6	⊙	SP	160
3	"	"		268 33 53					74.0				119.2	⊙		
4									"							
5		0		-					-4.8				114.4			N2-213
6																
7	W	495		91 00 32					-4.0				106.5			SP 161
8																
9	W	<del>1320</del> 1320		90 41 54					-4.0				99.0	⊙		SP 161-3
10	W	<del>2640</del>		269 17 33					"							
11	E	1815		88 56 39					+4.0				69.7	⊙		
12	"	"		271 02 55					"							
13	E	1320		89 10 10					-4.0				84.8			SP 162
14																
15		0		✓					-6.5				63.2			SP 163
16																
17	W	1320		90 19 42					-4.0				58.1			SP 164
18																
19	W	2640		90 03 49					-4.0				62.5	⊙		SP 163
20	"	"		269 55 30					"							

TI-5888

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2nd \_\_\_\_\_

CC

## STADIA SURVEY NOTES

AREA Zone A NDR-4 STATE or PROVINCE Alaska PAGE No. 209  
 LINE No.(s) 22 PARTY No. 184 DATE 1 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN None WEATHER: cloudy-mild P.T.S. No. 2  
 vol.

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												62.5	0	SP	165	
2	E	2145		91 05 04					+4.0	+44.8	107.3		Δ			
3	"	"		268 54 11					"							
4	E	825		91 11 19					-7.4	-24.5		82.8		SP	166	
5																
6	W	495		91 01 00					-4.0	-12.8		94.5		SP	177	
7																
8	W	1815		89 41 16					-4.0	+5.9		113.2		SP	168	
9																
10	W	3135		89 33 28					-3.4	+20.7		128.0	SO	N2-1142		
11	"	"		270 26 13					"					SP-169	} Common	
12		0							+4.8	+4.8	132.8		Δ			
13																
14		1320		269 12 38					-4.0	+14.2		147.0		SP-170		
15																
16	W	2640		269 30 25.5					-4.0	-26.6		106.2	⊙	SP-171		
17	"	"		90 29 19					"							
18	W E	<del>825</del>		90 58 56					+4.0	+12.5	118.7		Δ			
19		495		269 00 18					"							
20	W	<del>495</del>		90 35 22					-4.0	-12.5		106.2		SP-172		

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**STADIA SURVEY NOTES**

AREA Zone A NPR-4 STATE or PROVINCE Alaska PAGE No. 210  
 LINE No.(s) 26 PARTY No. 184 DATE 1 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN None WEATHER: Clear - mild P.T.S. No. 2  
VPI

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												118.8					
2	W	2145		90 43 55					-4.0	+31.6		87.1	⊙	SP 173			
3	"	"		269 15 23					"								
4	E	495		90 24 17					+4.0	+11.9	99.0		⊙				
5				269 05 13					"								
6	W	825		90 09 18					-4.0	-6.2		92.8		SP 174			
7																	
8	W	2145		89 22 38					-4.3	+18.8		117.8	⊙	N2-215	} common		
9	"	"		270 36 41					"					SP-175			
10		0		-					+5.0			122.8		A		see	
11																	
12	W	1920		90 39 13					-4.0	+34.3		88.5	⊙	SP-172	} 7 Re-survey below for SP-176		
13		2640		269 20 24					"								
14																	
15																	
16																	
17	E	2475		89 27 19					+4.3	+19.0	98.8		⊙	SP-175	} N2-115		
18				270 32 07					"								
19	E	1155		90 24 00					-4.0	-12.1		86.7		SP-176			
20																	

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**STADIA SURVEY NOTES**

AREA Zone A - NPR - 4 STATE or PROVINCE Alaska PAGE No. 211  
 LINE No.(s) 26 PARTY No. 184 DATE 1 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN None WEATHER: Clear - mild P.T.S. No. 2  
K.P.I.

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												98.8			
2	W	125		92 06 32					-4.0	-10.1		88.7		SP-177	
3															
4	W	1485		91 29 44					-4.0	-42.7		52.1		SP 178	In River
5															
6	W	2805		90 57 06					-4.0	-50.6		48.2		SP 179	In River
7															
8	W	<del>4425</del>		89 49 58					-4.1	+8.7		107.5	0	N2-216	<del>Set</del>
9		4455		270 07 40					"					<del>SP-187</del>	(Not Common)
10															
11															
12	-	0		-					+5.2			112.7		set over N2-216	
13															
14	E	330		90 12 30					-4.0	-5.2		107.5		SP 180	
15															
16	W	990		90 50 55					-4.0	-18.7		94.0		SP 181	
17															
18	W	2310		90 36 19					-4.0	-28.5		88.2	0	SP-182	
19	W	"		269 23 28					"						
20															

TI-580B

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STADIA SURVEY NOTES

AREA Zone A - NPR-4 STATE or PROVINCE Alaska PAGE No. 212  
 LINE No.(s) 26 PARTY No. 189 DATE 2 Day 3<sup>rd</sup> Mo. 7 Yr. 4 BOOK No. 1  
 SURVEYOR A. Jensen RODMAN WEATHER: \_\_\_\_\_ P.T.S. No. 3  
 Vol. \_\_\_\_\_

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	E	76.5		90 37 45				+4.0		+12.4	96.6	84.2	0	SP	182
3		"		269 21 52				"							
4	W	55.5		91 15 20				-10.0		-22.2		74.4		SP	183
5															
6	W	187.5		90 36 50				-4.0		-24.1		72.5		SP	184
7															
8	W	319.5		90 08 27				-4.0		-12.0		84.6	0	SP	185
9		"		269 51 13				"							
10	E	115.5		90 14 21				+4.0		+8.9	93.5				
11		"		269 45 13				"							
12	W	16.5		91 10 24				-4.0		-7.4		86.1		SP	186
13															
14	W	148.5		90 21 35				-4.0		-13.3		80.2		SP	187
15															
16	W	280.5		90 26 19				-4.0		-25.5		68.0	0	SP	188
17		"		269 33 26				"							
18															
19	W	412.5		90 11 06				-4.0		-17.5		76.0	0	SP	189
20		"		269 48 38				"							

(see next page for SP-188 & 189) (SP-188 missed)

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## STADIA SURVEY NOTES

AREA Zone A NPR-4 STATE or PROVINCE Alaska PAGE No. 213  
 LINE No.(s) 26 PARTY No. 184 DATE 2 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: clear - mild P.T.S. No. 3  
 V01

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	E	330		90 26 50				74.0	+6.6	82.6	76.0	SP	180	
3	"	"		269 32 26			"	"						
4	E	2770		90 23 28		0' 23' 28"		4.0	-23.0		59.6	#SP	188	
5														
6	E	1650		90 33 49				4.0	-20.4		62.2	SP	189	Re-check
7	"	"		269 25 27										
8														
9		0		-			4.9	<del>5.1</del> 4.2	-5.1		77.5	N2-	217	
10														
11														
12														
13	W	990		90 29 47				<del>10.0</del> 4.0	-18.6		64.0	SP	<del>18</del> 191	
14														
15	W	2310		90 09 35				4.0	-10.6		72.05	SP	-192	
16	"	"		269 49 55			"	"						
17	E	1155		90 13 07				4.0	+8.5	80.5				
18	"	"		269 46 34			"	"						
19	W	165		91 44 35				4.0	-9.0		71.5	SP	193	
20														

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## STADIA SURVEY NOTES

AREA Zone A NPR-4 STATE or PROVINCE Alaska PAGE No. 214  
 LINE No.(s) 26 PARTY No. 184 DATE 82 Day 3 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: clear - mild +30° P.T.S. No. 3  
VOL.

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												80.5				
2	W	1485		90 27 06					4.0		515.8	64.7			SP-194	
3		LI		269 32 38					"							(SP-195 missed see next set up)
4																
5	W	2805		90 00 06					4.0		54.3	76.2			SP-1986	
6	"	"		269 59 28					"							
7	E	1320		90 23 37					4.0		513.1	89.3				
8	"	"		269 36 00					"							
9	E	2640		90 20 40					10.0		25.9	63.4			SP-195	
10																
11		0		-					5.2		5.2	84.1			SP-1973 common	
12		0		-					"						N2-218	
13																
14	W	1320		90 20 49					6.0		74.0	75.3			SP-198	
15																
16	W	2640		90 20 25					4.0		519.9	69.4			SP-199	
17				269 39 02												
18	E	1320		90 37 30					4.0		518.4	87.8				
19	"	"		269 22 15												
20																

TI-5888

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## STADIA SURVEY NOTES

AREA Zone A NPA-4 STATE or PROVINCE Alaska PAGE No. 215  
 LINE No.(s) 26 PARTY No. 184 DATE 82 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: clear-mild P.T.S. No. 3  
Vol.

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										87.8				
2		0						-5.3	-5.3	82.5			{ N2-219 } Common { SP-200 }	
3														
4														
5	W	1320		269 90	17 37			-4.0	-10.8	77.0	○		SP-201	
6				269 42	08			"			ck		<del>SP-202</del>	
7	E	1320		89 31	36			+4.0	-6.9	70.1	Δ			
8				270 28	14			"			ck			
9		0						-5.6		64.5			SP 202	
10	W	1320		90 39	11			-4.0	-19.0	51.1			SP 203	
11	W	2640		90 17	15			-4.0	-17.3	52.8	○		SP 204	
12	"	"		269 42	37			"			ck			
13	E	2145		89 59	18			+4.0	+3.7	56.5	Δ			
14	"	"		270 10	20			"			ck			
15	E	825		91 20	10			-4.0	-23.2	33.3			SP 205	
16	W	495		90 37	15			-4.0	-9.4	47.1			SP 206	
17		1815		90 22	03			-4.0	-15.6	40.9			SP 207	
18	W	2166		89 52	20			-3.6	+1.2	57.7	○		N2-220	
19	"	"		270 07	37			"			ck			
20														

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### STADIA SURVEY NOTES

AREA Zone A - NPR-4 STATE or PROVINCE Alaska PAGE No. 216  
 LINE No.(s) 26 PARTY No. 184 DATE 82 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR A. Jensen RODMAN none WEATHER: Clear Mild P.T.S. No. 3  
101

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		✓					+5.2	+5.2	62.9	57.7	0		N2-220 = SP-207 + 351
3	W	969		90 21	35				-4.0	510.1		52.85	0		
4	W	969		269	38 02				-4.0				101		SP 208
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

## STADIA SURVEY NOTES

AREA Zone A N.P.R. 4STATE or PROVINCE AlaskaPAGE No. 243LINE No.(s) 26PARTY No. 184DATE 9Day 5Mo. 74Yr. BOOK No. 1SURVEYOR D. YoungRODMAN J. ByrdWEATHER: cool Hazy white out

P.T.S. No.

Vol. 3

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																
2																
3																
4	E	2330		89-44-10		+	15.50				+4.0		-6.8	46.0		
5				270-15-58		+	15.58									
6	E	1010		-							-13.0			33.0	-	SP-209
7	W	270		93-04-16							-14.0		-28.4	17.6	-	SP-210
8	W	1600		70-35-91							-14.0		-30.6	15.4	-	SP-211
9	W	2920		-		B	13.2	14.6			27.8			18.2	0	SP-212
10																
11	E	945		91-14-37			14.37				+14.0		+34.5	52.7		
12				268-25-18			14.42				+14.0					
13	W	375		-							-7.1			45.6	-	SP-213
14	W	1700		-							-18			50.9	-	SP-214
15	W	2480		-		T	-6.9	+12.4			+5.5			58.2	0	N2-221
16																
17	E	1480		-		T	+6.9	-7.4			-0.5			57.7		
18	E	950		-							-9.9			47.8	-	SP-215
19	W	372		93-21-15							-14.0		-35.7	22.0	-	SP-216
20		1692		-		B	-15.0	18.4			23.4			34.3	-	SP-217

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## STADIA SURVEY NOTES

AREA Zone A N.P.R.4 STATE or PROVINCE Alaska PAGE No. 244  
 LINE No.(s) 26 PARTY No. 184 DATE 10 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR D. Young RODMAN J. Byrd WEATHER: cool windy white out P.T.S. No. 001-3

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												57.7			
2	W	3012		90-28-27					-14.0		-38.9	18.8		SP-218	
3															
4	E	1770		90-37-59				37-59	+14.0		+33.4	52.2			
5				269-22-36				37-24	+14.0						
6	E	460		92-21-49					-14.0		-33.0	19.2		SP-219	
7		0		-					-4.7			17.5		N2-249	SP-219+460
8	W	860		90-50-99					-14.0		-26.7	25.5		SP-220	
9	W	2180		-			B	-9.0	10.9	19.9		32.3		SP-221	
10	W	3500		90-06-33					-14.0		-20.8	31.4		SP-222	
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

TI-588B

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## STADIA SURVEY NOTES

AREA ZONE A NPR-4STATE or PROVINCE ALASKAPAGE No. 245LINE No.(s) 26PARTY No. 189DATE 10 Day 5 Mo. 74Yr. 1 BOOK No. 1SURVEYOR C. RAYRODMAN J. BYRDWEATHER: COLD/ CLOUDYP.T.S. No. 3102

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	W	2884		—		T+11.9	74.4	-2.5				17.5		Δ				
5	W	2640		—		T-10.8	+13.2	+2.4					19.9	—				SP259
6	W	1320		—		T-4.7	+6.6	+1.9					19.4	—				SP258
7	—	0		—				-4.2					13.3	—				SP257
8	E	1320		—		T-5.3	+6.6	+1.3					18.8	—				SP256
9	E	2640		—		T-14.0	+13.2	-0.8					16.7	⊙				SP255
10																		
11	W	2640		—		T+13.6	73.2	+0.4				17.1		Δ				
12	W	1320		—				-5.0					12.1	—				SP254
13	—	0		—				-4.6					12.5	—				SP253
14	E	1320		—				-5.2					11.9	—				SP252
15	E	2640		—				-4.8					12.3	⊙				SP251
16																		
17	W	2640		—				+11.3				23.6		Δ				
18	W	1320		—				-12.0					11.6	—				SP250
19	—	0		—				-4.6					19.0	—				SP249
20																		

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## STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 246  
 LINE No.(s) 26 PARTY No. 184 DATE 10 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR C. RAY RODMAN J. BYRD WEATHER: COLD/LOUDY P.T.S. No. 3  
 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												23.6				
2	E	1320		—									15.0	—	SP248	
3	E	2640		—									18.1	⊙	SP247	
4																
5	W	2640		—								18.7		Δ		
6	W	1320		—									13.3	—	SP246	
7	—	0											19.1	—	SP245	
8	E	203		—									13.7	—	N2-244252	
9	E	1320		—									19.7	—	SP244	
10	E	2640		—									15.5	⊙	SP243	
11																
12	W	3319.6		—								29.0		Δ		
13	W	2008.6		—									13.5	—	SP242	
14	W	679.6		—									16.5	—	SP241	
15	—	0											19.3	—	N2-251	
16	E	640.4		—									16.2	—	SP240	
17	E	1860.4		—									19.1	—	SP239	
18	E	3180.4		—									12.4	⊙	SP238	
19																
20																

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## STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 247  
 LINE No.(s) 26 PARTY No. 184 DATE 10 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR C. RAY RODMAN J. BYRD WEATHER: COLD/CLOUDY P.T.S. No. 3  
VOL

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1																
2																
3	W	2010		-					+14.9			26.8		Δ		
4	W	690		-					-13.1				13.7	-	SP237	
5	E	630		-					-12.3				14.5	-	SP236	??
6	E	1950		-					-14.0				12.8	-	SP235	6.3
7	E	3270		-					-11.7				15.1	○	SP234	
8																
9	W	2640		8954.96					+8.0	+4.1	19.2			Δ		
10	W	2640		270 04.55					+8.0					Δ		
11	W	1320		-					-0.4				18.8	-	SP233	
12		-0-							-4.6				14.6	-	SP232	
13	E	1320		-					-6.0				13.2	-	SP231	
14	E	2640		-					-3.5				15.7	○	SP230	
15																
16	W	3960		-					B+10.9 +19.8 +30.7	+30.7	46.4			Δ		
17	W	2640		-					B-15.0 +13.2 +28.2				18.2	-	SP229	
18	W	1320		-1					-10.0	-13.2	-23.2		23.2	-	SP228	
19		-0-							-4.6				31.8	-	SP227	
20																

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## STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 248  
 LINE No.(s) 26 PARTY No. 184 DATE 10 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR C. RAY RODMAN J. BYRD WEATHER: COLD/CLOUDY ~~FIG.~~ No. 3  
YOL

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												46.4			
2	E 1320					B-11.4	6.6	18.0				28.4		SP226	
3	E 2640		90	28.24				-14.0		35.9		10.5		SP225	
4	E 2640			2693119				-14.0						CK	
5															
6	W 2640		90	11.11				+17.1		25.7		36.2		CA	
7				2694847				+13.8						CK	
8	W 1320							-13.8					22.4		SP224
9	-0-							-4.6					31.6		SP223
10	E 1320							-4.8					31.4		SP222
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. 249  
 LINE No.(s) 26 PARTY No. 184 DATE 13 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR D. YOUNG RODMAN J. BYRD WEATHER: COLD/CLOUDY P.T.S. No. 3  
VOL

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	<i>Ref. 8x1-16/3. Page 245</i>											19.9	⊙	SP259
2														
3	E 2640		—			T+11.3	73.2	-1.9			18.0		Δ	
4	E 2400		—			T-9.6	72.0	+2.4				20.4	—	NZ-254
5	E 1320		—					-5.6				12.4	—	SP260
6	-0-							-5.2				12.8	—	SP261
7	W 1320		—					-4.6				13.4	—	SP262
8	W 2640		—			T-9.2	73.2	+4.0				21.0	⊙	SP263
9														
10	E 2640		—			T+12.5	73.2	-0.7			21.3		Δ	
11	E 1320		—					-6.3				15.0	—	SP264
12	-0-							-5.4				15.8	—	SP265
13	W 1320		—					-6.3				15.0	—	SP266
14	W 2640		—					-7.0				14.3	⊙	SP267
15														
16	E 2640		—					+7.8			22.1		Δ	
17	E 1320		—					-6.1				16.0	—	SP268
18	-0-							-5.0				17.1	—	SP269
19	W 1320		—					-5.5				16.6	—	SP270
20	W 2640		—					-5.7				16.4	⊙	SP271

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## STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 250  
 LINE No.(s) 26 PARTY No. 184 DATE 13 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR D. YOUNG RODMAN J. BYRD WEATHER: COLD / CLOUDY P.T.S. No. 3  
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	E	2640		89.5211							+3.1	19.5					
4	E	2640		270.8440													
5	E	<del>1320</del> 1520															
6	E	<del>0</del> 1520															
7		-0-															
8	W	1320															
9	W	2640															
10																	
11	E	2640															
12	E	1320															
13		-0-															
14	W	1320															
15	W	2640															
16																	
17	E	2640															
18	E	1320															
19		-0-															
20																	

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**STADIA SURVEY NOTES**

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 257  
 LINE No.(s) 26 PARTY No. 184 DATE 13 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR D. YOUNG RODMAN J. BYRD WEATHER: COLD/CLOUDY P.T.S. No. 3  
VOL

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												30.6			
2	W 1320			—									26.1	—	SP282
3	W 1854	1844		—									27.3	⊙	N2-256
4															
5	— 0 —											32.4		Δ	INTERSECTION LINE 36
6	N 1600			—									25.3	—	Target N of Int. LINE 36
7	N 118			—									28.2	—	SP 91 - 2845 LINE 36
8	S 1210			—									30.6	—	SP 92 LINE 36
9	W 800			—									26.6	—	SP283
10	W 2120			—									21.6	⊙	SP284 Ref: Party 186 Page 106
11															
12	E 1320			—								35.1		Δ	
13	E — 0 —	128		—											
14	— 0 —														
15	W 1320			—									29.9	—	SP285
16	W 2640			—									26.1	—	SP286
17													25.9	⊙	SP287
18															
19															
20															

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## STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 252  
 LINE No.(s) 26 PARTY No. 184 DATE 13 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR D. YOUNG RODMAN J. BYRD WEATHER: COLD/CLOUDY P.T.S. No. 3  
 VOL

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	2640		—											
4	E	1320		—											
5		— 0 —													
6	W	1320		—											
7	W	2640		—											
8															
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. 253  
 LINE No.(s) 26 PARTY No. 184 DATE 13 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR D. YOUNG RODMAN J. BYRD WEATHER: COLD/ CLOUDY P.T.S. No. 3  
 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																		
4	W	2640		—														
5	W	1320		—														
6	W	910		—														
7		— 0 —																
8	E	1320		—														
9	E	2640		—														
10																		
11	W	2475		—														
12	W	1155		—														
13		— 0 —																
14	E	1320		—														
15	E	2640		—														
16																		
17																		
18																		
19																		
20																		

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**STADIA SURVEY NOTES**

AREA ZONE A NPR-4 STATE OR PROVINCE ALASKA PAGE No. 254  
 LINE No.(s) 26 PARTY No. 184 DATE 13 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR D. YOUNG RODMAN T. BYRD WEATHER: COLD/CLOUDY P.T.S. No. 3  
VOL

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 2640													
4	W 1320													
5	-0-													
6	E 1320													
7	E 2640													
8														
9	W 2640													
10	W 1320													
11	-0-													
12	E 1320													
13	E 2640													
14														
15	W 2640													
16	W 1320													
17	-0-													
18	E 975													
19	E 1320													
20														

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**STADIA SURVEY NOTES**

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 253  
 LINE No.(s) 26 PARTY No. 184 DATE 13 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR D. YOUNG RODMAN J. BYRD WEATHER: COLD / CLOUDY P.T.S. No. 9  
VOL

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	W	2640		—											
4	W	1320		—											
5		—0—													
6	E	1320		—											
7	E	2640		—											
8															
9	W	2640		—											
10	W	1320		—											
11		—0—													
12	E	1320		—											
13	E	2640		—											
14															
15	W	2640		—											
16	W	1320		—											
17		—0—													
18	E	1320		—											
19	E	2640		—											
20															

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## STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 256  
 LINE No.(s) 26 PARTY No. 184 DATE 13 Day 5 Mo. 74 Yr. BOOK No. 1  
 SURVEYOR D. YOUNG RODMAN J. BYRD WEATHER: COLD / CLOUDY P.T.S. No. 3  
VOL

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					B-1	104	-3	P-	1	-19		39.2	0	SP293	N2-259
2															
3	W 1320			89.34					+7.0	-2.1	36.6		CA		
4	W 1320			270.25					+7.0				CK		
5	W 1320			89.28					-8.0	+4.2		40.8	-	N2-259	ON HUB -
6	W 401			89.3150					0.0	+3.3		39.9	-	N2-258	
7	-0-								-5.4			31.2	-	SP282	
8	E 1320								-6.5			30.1	-	SP291	
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
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