

STADIA SURVEY NOTES

AREA ZONE A NPR 4 STATE or PROVINCE Alaska PAGE No. 66
 LINE No. (S) 32 PARTY No. 184 DATE 27 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR GRAY RODMAN K Byrd WEATHER: Cold Clear P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2	1155	825		90°15'34"						L-17	B.R.1	101.7		Δ	ASIDE TRAIL
3				269°15'01"						-4.0	-19.0		82.7	Δ	SP1 Ground
4	1155	825		90°45'39"										CK	
5				269°16'01"						-0.0	-15.0		86.7	Δ	Top of Pipe SP-1
6															
7		1320		90°51'01"											
8				269°09'15"										CA	
9		0												CK	
10		1320		90°21'05"									102.1	Δ	SP2 N-57
11				269°07'25"	269°38'50"								94.1	Δ	SP3
12		825		90°04'30"										CK	
13				269°56'38"										CA	
14		0												CK	
15		495		91°05'26"									93.9	Δ	SP3-SP3
16		1815		90°45'19"									85.6	Δ	SP4
17				269°16'12"										CK	
18		1320		90°21'05"										Δ	
19				269°07'25"										CK	
20		0												Δ	

TI-5588

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STADIA SURVEY NOTES

AREA ZONE A NPR4 STATE or PROVINCE Alaska PAGE No. 67
 LINE No.(s) 22 PARTY No. 184 DATE 27 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C ROY RODMAN K Byrd WEATHER: COLD CLEAR P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF.S. -S.S.	Station	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD				
1																	
2		1320		79° 45' 30"													
3																	
4		1320		90° 00' 00"	90° 00' 54"												
5				270° 00' 20"													
6		0															
7		1320		89° 39' 33"													
8				270° 21' 58"													
9		1320		90° 00' 41"													
10				270° 00' 35"													
11		0															
12		1320		90° 04' 10"													
13				269° 57' 08"													
14		1320		90° 02' 24"													
15				269° 51' 45"													
16		0															
17		1320		90° 02' 09"													
18				269° 59' 19"													
19		1320		90° 00' 38"													
20				270° 00' 38"													

TI-558B

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An error has occurred in the SP survey between SP-1 and
and SP-13 as verified by the reciprocal angle survey. But
at this time no opportunity to rerun to isolate the
error - therefore the correction is applied from
SP-13 thro. SP-43 at the intersection of lines 22 & 23.

A rerun of line 22 from SP-1 thro. 13 will be made at
a later date. *As of*

STADIA SURVEY NOTES

AREA ZONE A NORTH STATE or PROVINCE Alaska PAGE No. 69
 LINE No.(s) 22 PARTY No. 184 DATE 27 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. RAY RODMAN K. Byrd WEATHER: Cold Clear P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1					P-	68	1-18		111			96.3		Δ	SP18	
2		0							-4.1		-4.1		92.2	-	SP20	17-4=NS9
3		165		93°08'16"					-4.0		-13.0		83.3	-	SP21	20
4		1485		90°30'14"					+4.0		-23.4		70.9	⊙	SP22	21 PIPE
5				269°11'12"					" "					⊙	CK	
6		1320		89°57'28"					+4.0			72.2		Δ	CK	
7				270°07'47"					" "					⊙	CK	
8		0							-5.0		-5.0		67.2	-	SP22	
9		1320		90°05'54"					-4.0		-6.1		66.5	⊙	SP23	
10				269°55'05"					" "					⊙	CK	
11		1320		90°03'55"	90°03'55"				+4.0		+5.3	71.4		Δ	CK	
12				269°57'14"					" "					⊙	CK	
13		0							5.5		-5.5		65.9	-	SP24	
14		1320		89°59'00"					-4.0		-3.4		68.8	⊙	SP25	
15				270°02'10"					" "					⊙	CK	
16		2640		90°02'09"					+4.0		+4.6	72.6		Δ	CK	
17				269°53'30"					" "					⊙	CK	
18		1320		90°23'44"					-4.0		-8.1		69.5	-	SP26	
19		0							-5.0		-5.0		72.6	-	SP27	
20																

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STADIA SURVEY NOTES

AREA ZONE A NDR4 STATE or PROVINCE Alaska PAGE No. 70
 LINE No.(s) 22 PARTY No. 184 DATE 27 Day 9 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C RAY RODMAN K Byrd WEATHER: COLD CLEAR P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1				<u>P-69</u>												
2		<u>1320</u>		<u>89°59'33"</u>	<u>89°57'43"</u>					<u>-40</u>	<u>-2.9</u>		<u>726</u>	<u>74.25</u>	<u>SP28</u>	<u>28</u>
3				<u>270°03'18"</u>						<u>" "</u>				<u>(CK)</u>		<u>+30</u>
4																
5																
6																
7																
8																
9																
10																
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 ALBERTAPAGE No. 71LINE No.(s) 22 PARTY No. 182 DATE 28 Day 3 Mo. 72 Yr. BOOK No. 1SURVEYOR C. Ray RODMAN G. Logan WEATHER: cloud/clear/wind -15°F 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	W	2640		89°54'02"									74.7	0	SP-28	
3				270°07'19"												
4	W	1320		90°02'44"												
5		-0-		-												
6																
7																
8	E	1320		90°50'49"												
9	E	2640		89°43'34" (+0-16-26)												
10				270°17'51" (+0-17-51)												
11	W	1320		90°58'01" (+0-02-01)												
12				269°52'25" 269°53'04" (+06-56)												
13		-0-		-												
14	E	1320		90°23'48"												
15				269°37'18"												
16	W	2640		89°56'00"												
17				270°04'26" 270°04'06"												
18	W	1320		90°02'12"												
19		-0-		-												
20	E	1320		90°22'53"												

TI-588B

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STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 72
 LINE No.(s) 22 PARTY No. 182 DATE 28 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. RAY RODMAN G. LOGAN WEATHER: COLD/CLEAR/WIND -15F P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2	W	2640		90°07'57"								727	Δ		
3				269°53'02"									⊙	SP38	+3.0
4	E	1815		90°13'21"									Δ		
5	E	495		90°24'55"											
6		-0-													
7	W	825		90°13'43"											
8	W	2145		90°05'00"											
9				269°56'28"											
10	E	2640		90°00'41"									Δ		
11				273°09'30"											
12	E	1320		90°03'24"											
13		-0-													
14	W	1158		89°44'27"											
15		1485		270°17'01"											
16	E	1485		89°39'04"											
17				270°22'02"											
18	E	1320		89°57'50"											
19		-0-													
20	W	1320		89°53'26"											

TI-508B

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An error occurred in the original survey on the turn
on the next page (73) line 2. This was verified by the rerun from
N2-61 through SP 54. Ref. Rerun notes pages 3, 12, 13, & 14.
~~The~~ elevations from the ~~turn~~ up to SP-54 - then apply
a +5.0 correction to the rest of the line - thro. SP. 82.
This error was picked up by the reciprocal angle survey.

Ans. Jones

STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 73
 LINE No.(s) 22 PARTY No. 184 DATE 28 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. RAY RODMAN G. LOGAN WEATHER: COLD/CLEAR/WIND -15°F 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								P- 72	L-16	B1	76.7		Δ			USE
2	W	1320		89°50'06"					-4.0	+0.1		76.8	⊙	SP47	82.5	
3				27°11'12"									⊙			
4	E	2640		90°2'51" (CK 269°58'20")					+4.0	+5.7	82.5		Δ			
5	E	1320		90°3'44"					-4.0	-5.7		77.3	-	SP48	81.2	
6		-0-							-5.1			77.4	-	SP49	81.9	
7	W	1320		90°27'19"					-4.0	+14.0		68.0	-	SP50	72.6	
8	W	2640		90°3'52"					-4.0	+14.0		68.5	⊙	SP51	74.2	
9				269°47'45"									⊙			
10	E	1320		90°14'16"					+4.0	+9.2	77.7		Δ			
11				269°46'58"									⊙			
12		-0-							-5.0			77.7	-	SP52	77.4	
13	W	1320		90°30'05"					-4.0	-15.6		62.7	-	SP53	68.3	
14	W	2640		90°22'45"					-4.0	-21.2		56.5	⊙	SP54	61.5	+50
15				269°38'00"									⊙			
16	E	1320		89°51'05"					+4.0	+0.3	56.8		Δ			
17				27°11'12"									⊙			
18		-0-							-5.0			51.8	-	SP55		
19	W	1320		90°32'12"					-4.0	-16.4		42.4	-	SP56		
20	W	2640		90°14'25"					-4.0	+14.6		42.2	⊙	SP57		
				269°46'44"									⊙			

71-588B

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STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 74
 LINE No.(s) 22 PARTY No. 184 DATE 28 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. RAY RODMAN G. LOGAN WEATHER: COLD/CLEAR/WIND -15°F P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1	E	2640		90° 3' 27"				+4.0	-26.9	48.5		Δ			
2				269° 3' 35"								CK			
3	E	1320		90° 1' 06"				-4.0	-4.4		44.1	-	SP58		
4		-0-						-4.1			44.4	-	SP59		
5	W	1320		90° 2' 28"				-4.0	-12.2		36.3	-	SP60		
6	W	2640		90° 5' 22"				-4.0	-15.3		33.2	○	SP61		
7				269° 4' 57"								CK			
8	E	1320		90° 14' 51"				+4.0	+9.4	42.6		Δ			
9				269° 46' 28"								CK			
10		-0-						-5.0			37.6	-	SP62		
11	W	1320		90° 19' 14"				-4.0	-11.3		31.3	-	SP63		
12	W	2640		90° 16' 43"				-4.0	-16.4		26.2	○	SP64		
13				269° 4' 43"								CK			
14	E	2640		90° 15' 40"				+4.0	+15.6	41.8		Δ			
15		2640		269° 45' 30"								CK			
16	E	1320		90° 21' 46"				+4.0	-12.4		29.4	-	SP65		
17		-0-						-5.0			36.8	-	SP66		
18	W	1320		90° 32' 32"				-4.0	-16.5		25.3	-	SP67		
19	W	1815		90° 14' 35"				-3.8	-11.2		30.6	○	GP67-2		
20				269° 46' 35"								CK			

TI-588B

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STADIA SURVEY NOTES

AREA ZONE A NPR-4 STATE or PROVINCE ALASKA PAGE No. 75
 LINE No.(s) 22 PARTY No. 184 DATE 28 Day 3 Mo. 74 Yr. BOOK No. 1
 SURVEYOR C. RAY RODMAN G. LOGAN WEATHER: COLD/CLEAR/WIND -15°F 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									P-74	L-19	B1		30.2		
2	E	2145		89°24'32"					+3.8		578.7	11.9		Δ	
3				270°36'40"										CK	
4	E	1320		90°01'07"					-4.0		4.4		7.5	-	SP 68
5		-0-							-5.0				6.9	-	SP 69
6	W	1320		90°06'39"					-4.0		5.8		6.1	-	SP 70
7	W	2640		90°09'51"					-4.0		5.7		6.2	○	SP 71
8				269°58'24"										CK	
9	E	1320		90°14'24"					+4.0		49.3	15.5		Δ	
10				269°46'55"										CK	
11		-0-							-4.8				10.7	-	SP 72
12	W	1320		90°08'50"					-4.0		7.1		8.4	○	SP 73
13				269°52'26"										CK	
14															
15															
16															
17															
18															
19															
20															

Line continues on page 83

STADIA SURVEY NOTES

AREA UNIT 2' N.P.R.-2 STATE or PROVINCE ALASKA PAGE No. 83
 LINE No.(s) 22 PARTY No. 184 DATE 1 Day 4 Mo. 74 Yr. BOOK No. 1
 SURVEYOR LEIBENGOOD RODMAN K. BYRD WEATHER: Windy - CLEAR & COOL 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				<u>Ref. BK</u>											
2															
3	<u>W</u>	<u>1320</u>		<u>89°59'20"</u>											
4		<u>1320</u>		<u>70°02'20"</u>											
5															
6		<u>-0-</u>													
7															
8	<u>E</u>	<u>1320</u>		<u>89°58'10"</u>											
9		<u>1320</u>		<u>70°02'10"</u>											
10															
11	<u>W</u>	<u>1320</u>		<u>90°01'40"</u>											
12		<u>1320</u>		<u>70°02'00"</u>											
13															
14		<u>-0-</u>													
15															
16	<u>E</u>	<u>1320</u>		<u>90°05'00"</u>											
17		<u>1320</u>		<u>70°02'00"</u>											
18															
19	<u>W</u>	<u>1320</u>		<u>90°10'14"</u>											
20		<u>1320</u>		<u>70°02'06"</u>											

TI-5885

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STADIA SURVEY NOTES

AREA ZONE 18° NFR-4 STATE or PROVINCE ALASKA PAGE No. 84
 LINE No.(s) 22 PARTY No. 184 DATE 1 Day 4 Mo. 74 Yr. BOOK No. 1
 SURVEYOR LEIBENGOOD RODMAN K. BYRD WEATHER: WINDY - COOL - 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	Correction			Center Hair	INST.			
1											17.2				
2															
3	<u>W</u>	<u>0</u>													
4												12.1	<u>X</u>	<u>SP 77</u>	
5	<u>E</u>	<u>1320</u>		<u>89-29-51</u>						<u>+1.2</u>		17.4	<u>0</u>	<u>SP 78</u>	
6		<u>1320</u>		<u>270-32-57</u>									<u>CK</u>		
7															
8	<u>W</u>	<u>2640</u>		<u>89-51-49</u>						<u>-3.4</u>	<u>14.0</u>		<u>A</u>		
9		<u>2640</u>		<u>270-10-49</u>									<u>CK</u>	<u>SP 78</u>	
10													<u>CK</u>		
11	<u>W</u>	<u>1320</u>		<u>90-09-59</u>						<u>-7.8</u>		6.2	<u>-</u>	<u>SP 79</u>	
12													<u>-</u>	<u>SP 79</u>	
13	<u>NAT</u>	<u>0</u>										8.8	<u>-</u>	<u>SP 80</u>	
14													<u>A</u>	<u>SP 80</u>	
15	<u>E</u>	<u>1320</u>		<u>90-10-43</u>						<u>-8.1</u>		5.9	<u>-</u>	<u>SP-81</u>	
16													<u>-</u>	<u>SP 81</u>	
17	<u>E</u>	<u>2640</u>		<u>90-02-57</u>						<u>-5.4</u>		8.6	<u>0</u>		
18		<u>2640</u>		<u>270-55-45</u>									<u>CK</u>	<u>SP 82</u>	
19													<u>CK</u>	<u>END OF LINE</u>	
20													<u>CK</u>	<u>TP N2-67A</u>	

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STADIA SURVEY NOTES

AREA ZONE 4th NPR-4 STATE or PROVINCE ALASKA PAGE No. 83
 LINE No.(s) 22 PARTY No. 189 DATE 1 Day 4 Mo. 74 Yr. BOOK No. 1
 SURVEYOR LEIBERGOOD RODMAN K. BYRD WEATHER: WINDY - COOL - 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													8.6			
2																
3	W	1900		90-10-24				74.2		79.4	18.0		A			EL. 16.0
4		1900		269-51-38				4.2					OK			
5																
6		-0-														
7								5.1						12.9	X	MID TAIL
8	E	1900		90-10-29				9.0		74.3						
9		1900		269-51-41				9.0						3.7	O	END TAIL
10														OK		
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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