

### STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 1  
 LINE No.(s) 059-77 PARTY No. 1173 DATE 28 Day FEB Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: 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												574.1			TBM 078-05	
2	W	1760		90 27 20				15.0		+28.7	602.8			Δ	SP 728-L-059	
3		✓		269 34 00				15.0						Δ	PSA 52+425-L-078	
4		0	✓					5.0		-5.0		597.8	π		729	
5	E	1760		91 05 40				15.0		-48.6		554.2			730	
6		2310		90 30 50				15.0		-35.7		567.1	○		730+550	
7	W	2200		90 58 20				15.0		+52.3	619.4			Δ		
8		990		94 00 40				15.0		-84.3		535.1			TS.1	
9		0	✓					5.0		-5.0		614.4	π		TS.1+990	
10	E	770		88 35 40				5.0		+13.9		633.3	○		TS. 2	
11	W	4070		89 26 10				8.0		-32.1	601.2			Δ		
12		2310		89 24 40				4.0		+22.4		623.6			TS.3	
13		550		89 42 35				4.0		-1.2		600.0			TS.4	
14		0	✓					5.0		-5.0		596.2	π		TS.4+550	
15	E	1210		92 08 50				15.0		-60.3		540.9	○		TS.5	EAST END OF LINE
16																
17																
18																
19																
20																

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## STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 2  
 LINE No.(s) 059-77 PARTY No. 1173 DATE 28 Day FEB Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHERILL RODMAN A. GARCIA WEATHER: 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												574.1		TBM 078-05	
2	E	1430	✓			B	14.0	+7.2		+20.8	594.9		Δ	SP 728	
3		✓	✓			B	13.2	+7.2					Δ		
4		0	✓						5.0	-5.0		589.9	X	727 + 330	
5	W	330		90 41 40					15.0	-19.0		575.9		727	
6		1320		93 04 15					15.0	-86.3		508.6		726 + 770	
7		2090		91 15 20					15.0	-60.8		534.1		726	
8		2420		90 44 00					15.0	-45.5		549.4	○	725 + 1430	
9		✓		269 19 25					15.0				○		
10	E	1760	✓			B	11.2	+8.8		+19.7	569.1		Δ		
11		✓	✓			B	10.6	+8.8					Δ		
12		660		92 52 50					15.0	-48.2		520.9		725 + 330	
13		330		93 28 50					15.0	-35.0		534.1		725	
14		0	✓						5.0	-5.0		564.1	X	724 + 1430	
15	W	880		95 00 50					15.0	-92.8		476.3		724 + 550	
16		1430		93 13 20					15.0	-95.4		473.7		724	
17		2420		91 40 00					15.0	-84.9		484.2	○	723 + 770	
18		✓		268 21 20					15.0				○		
19	E	2840		88 13 50					10.0	-78.9	405.3		Δ		
20		✓		271 47 35					10.0				Δ		

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## STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 3  
 LINE No.(s) 059-77 PARTY No. 1123 DATE 28 Day Feb Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHEPHERD RODMAN D. GARCIA WEATHER: 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												405.3			
2	E	2090		83 37 45				2.0		+48.0		453.3		723	
3		1100	✓			B	12.2	-5.5		-12.2		387.6		722 + 770	
4		330	✓						11.1	-11.1		394.2		722	
5		0	✓						5.0	-5.0		400.3	π	721 + 1430	
6	W	660		90 41 50					15.0	-23.0		382.3		721 + 970	
7		1430	✓						9.2	-9.2		396.1		721	
8		2860		89 23 20					2.0	+29.1		434.4	⊙	720 + 330	
9			✓	270 38 00					2.0				⊙		
10	E	2640		88 21 00					2.0	-69.4	365.0		Δ		
11			✓	271 40 00					2.0				Δ		
12		2310		88 20 00					3.0	+64.2		429.2		720	
13		550		89 09 30					2.0	+6.1		371.1		719	
14		0	✓						5.0	-5.0		360.0	π	718 + 1210	
15	W	880		92 16 00					1.0	-35.8		329.2		718 + 330	
16		1210		93 11 00					15.0	-82.9		282.1		718	
17		2970		90 38 00					15.0	-47.2		317.8	⊙	717	
18			✓	269 23 30					15.0				⊙		
19	E	1760		91 51 40					15.0	+71.8	389.6		Δ		
20			✓	268 09 50					15.0				Δ		

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### STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 4  
 LINE No.(s) 059-77 PARTY No. 1173 DATE 1 Day MAR Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: CLEAR - COLD P.T.S. No. \_\_\_\_\_

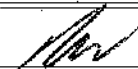
LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												389.6				
2		0	✓									384.6	π	716		
3	W	1760		88	50	70					+30.8	420.4		715		
4	2132	<del>1388</del>		88	51	20					+33.9	423.5	0	714 + 1234	1388	
5		✓		271	09	40							0	= TBM	059-04	
6												423.0		BARR	Survey	
7																
8												+0.5		MISRE		
9																
10												423.0		059-04		
11	E	1388	✓				T	4.3	-6.9			-2.8	420.2	Δ	054-04 =	
12		✓	✓				T	3.9	-6.9					Δ	S.P. 14 + 1388	
13		1234	✓				T	3.8	+6.2			+2.4	422.6	INT	023/059	
14															= S.P. 714 + 1234 - L 059	
15															= S.P. 65 + 1385 - L 073	
16		0	✓									-5.0	415.2	π	714	
17	W	1430		90	17	40						150	397.8		713 + 330	
18		1760	✓				B	7.4	-8.8			-15.9	404.3	0	713	404.6
19		✓	✓				B	6.8	-8.8					0		
20																

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## STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALABAMA PAGE No. 5  
 LINE No.(s) 059-77 PARTY No. 1173 DATE 1 Day MAR Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHERRILL RODMAN A. GARRETT WEATHER: 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															
2	E	1760		90 59 30				15.0		+45.1	449.4		Δ	713	
3		✓		269 01 50				15.0					Δ		
4		0	✓					5.0		-5.0		444.4	π	712	
5	W	1760		89 46 05				5.0		+2.3		451.7	0	711	452-3
6		✓		270 14 50				5.0					0		
7	E	1760		89 41 50				5.0		-4.6	447.1		Δ		
8		✓		270 19 30				5.0					Δ		
9		0	✓					5.0		-5.0		442.1	π	710	
10	W	1210		90 27 00				15.0		-24.2		422.9	0	709+550	423-7
11		✓		269 34 40				15.0					0		
12	E	2310		86 16 10				2.0		-143.8	279.1		Δ		
13		✓		273 45 05				7.0					Δ		
14		1760		86 16 40				3.0		+111.3		390.4		709	
15		0	✓					5.0		-5.0		274.1	π	708	
16	W	330		94 05 20				15.0		-38.1		241.0		707+1430	
17		1760		89 02 15				2.0		+27.6		306.7		707	
18		2090		89 01 25				10.0		+26.0		305.1	0	706+1430	306-3
19		✓		271 00 00				10.0					0		
20															

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### STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 6  
 LINE No.(s) 059-77 PARTY No. 1173 DATE 1 Day MAA Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SAERLILL RODMAN A. GARCIA WEATHER: E. LEAR - 6000 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												305.1			
2	E	1760		87 00 00				5.0		-07.5	217.6		Δ	706 + 1930	
3		✓		273 01 15				5.0					Δ		
4		660		93 47 10				15.0		-58.6		159.0		706 + 330	
5		330		94 39 00				15.0		-41.8		175.8		706	
6		0	✓					5.0		-5.0		212.6	π	705 + 1930	
7	W	1430		86 12 12				2.0		+92.7		310.3		705	
8		1980		86 10 00				11.0		+121.7		339.3	0	704 + 1210	340.8
9		✓		273 50 50				11.0					0		
10	E	1210		89 35 40				11.0		+2.2	341.5		Δ		
11		✓		270 25 25				11.0					Δ		
12		0	✓					5.0		-5.0		336.5	π	704	
13	W	1760	✓				T 6.3	+8.8		+2.8		344.3	0	703	346.0
14		✓	✓				T 5.7	+8.8					0		
15	E	1760	✓				B 11.4	+8.8		+20.0	364.3		Δ		
16		✓	✓				B 11.0	+8.8					Δ		
17		0	✓					5.0		-5.0		359.3	π	702	
18	W	1760	✓				T 9.6	+8.8		-0.8		363.5		701	
19		2845	✓				T 3.6	+14.2		+10.9		375.2	0	TRM 059-03	
20		✓	✓				T 3.0	+14.2					0	= S.A 700 + 675 377.3	

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377.3 BARR SURVEY  
 -2.1 MISTAKE

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## STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 7  
 LINE No.(s) 059-77 PARTY No. 1173 DATE 3 Day MAR Mo. 77 Yr. BOOK No.,  
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: SNOW FLURRIES - HAZE 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												377.3			
2	E	565		87 12 50				150		-12.5	364.8			Δ	704 059.03
3		✓		272 48 00				150						Δ	= S.P. 700 + 675
4		0	✓					5.0		-5.0		359.8		T	
5	W	110		91 07 00				15.0		-17.1		347.7		700	
6		660		94 19 30				15.0		-64.8		300.0			699 + 1210
7		1760		93 32 00				1.0		-109.5		255.3			699 + 110
8		1870		93 26 15				15.0		-126.0		238.8		0	699 237.9 238.0
9		✓		266 35 00				15.0						0	
10	E	325		92 41 00				15.0		+30.2	269.0			Δ	
11		✓		267 18 40				15.0						Δ	
12		0	✓					5.0		-5.0		264.0		T	698 + 1430
13	W	660		90 56 10				15.0		-25.6		243.4		0	698 + 770
14		✓		269 05 30				15.0						0	242.5 242.7
15	E	2530		88 12 30				3.0		-76.6	166.8			Δ	
16		✓		271 48 50				3.0						Δ	
17		1760		89 26 10				3.0		+14.3		181.1			698
18		0	✓					5.0		-5.0		161.8		T	697
19	W	1650		86 19 25				9.0		+97.1		263.9		0	696 + 110
20		✓		273 41 45				9.0						0	263.1 263.5

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 8  
 LINE No.(s) 059-77 PARTY No. 1173 DATE 3 Day MAR Mo. 77 Yr. BOOK No.  
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: SNOW FLURRIES - HAZE 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												263.9			
2	E	2420		90 39 30				15.0		+42.3	306.2		Δ	696 + 110	
3		✓		269 22 00				15.0					Δ		
4		2310		90 37 30				15.0		-40.2		266.0		696	
5		550	✓					11.0		-11.0		295.2		695	
6		0	✓					5.0		-5.0		301.2	π	694 + 1210	
7	W	1210		90 07 45				15.0		-17.7		288.5	0	694	
8		✓		269 52 30				15.0					0		287.8 288.4
9		2399		89 40 30				3.0		-11.1	277.4		Δ		
10		✓		270 21 00				3.0					Δ		
11		639	✓					1.7		-1.7		275.7		693	
12		0	✓					5.0		-5.0		272.4	π	INT 054/079	
13		2577												= S.P. 692 + 112 L-059	
14		✓												= S.P. 4 + 530 L-079	
15		560	✓					7.6		-7.6		269.8	0	079-07	
16		✓	✓					7.5					0	= S.P. 269.1	0.7 TIE
17												269.8		BARR SURVEY	
18															269.8
19												± 0.0		MISTIE	
20															

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### STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 9  
 LINE No.(s) 059-77 PARTY No. 1173 DATE 3 Day MAR Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F. SHERMAN RODMAN A. GARCIA WEATHER: SNOW FLURRIES - HAZE 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	N	560	✓									269.8		TBM 079-07	
3			✓									277.3		Δ	
4		0	✓									5.0		Δ	
5	W	1011		90 34 15								15.0	-5.0	π INT	0.59/079
6			✓	269 27 00								15.0	-24.9	0	692+110
7	E	1870		87 15 20								2.0		0	252.3
8			✓	272 45 45								2.0	-87.9	Δ	
9		1760		287 34 30								2.0		Δ	
10		1210		88 31 40								1.0	+72.5		692
11		990		90 27 20								1.0	+30.1		691+1210
12		0	✓									5.0	-8.9		691+990
13	W	330		89 22 30								1.0	-5.0	π	691
14			✓	270 38 30								1.0	+2.6	0	690+1430
15	E	2040		92 18 30								15.0		0	166.9
16			✓	267 42 30								15.0	+96.9	Δ	
17		1820		93 52 10								1.0		Δ	
18		610		99 49 50								4.0	-123.9		690+1210
19		280		109 20 00								1.0	-108.5		690
20		0	✓									5.0	-95.0		689+1130
													-5.0	π	689+1130

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### STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 10  
 LINE No.(s) 059-77 PARTY No. 1173 DATE 3 Day MAR Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: SNOW FLURRIES - HAZY P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	SEAMAN 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												267.0			
2	W	1130		88 21 40				10.0		+22.5		286.5	0	689	286.1
3		✓		271 39 20				10.0					0		
4	E	3520		90 42 00				120.7		+57.7		344.2	Δ		
5		✓		269 18 40				120.7					Δ		
6		1760		91 04 00				15.0		-47.8		296.4		688	
7		0	✓					5.0		-5.0		339.2	T	687	
8	NE	1410		90 42 05				13.0		-32.0		312.2	0	059-01	
9				269 19 00				15.0					0		311.5
10												311.5		BARR SURVEY	
11															
12												+0.7		MISSING	
13															
14												311.5		059-01	
15	NE	1410		90 42 05				15.0		+32.0		343.5	Δ		
16		✓		269 19 00				15.0					Δ		
17		0	✓					5.0		-5.0		338.5	T	687	
18	W	1760		89 25 20				5.0		+12.7		356.2	0	T.S.1	
19	E	1760		90 22 00				15.0		+26.3		382.5	Δ		
20		0	✓					5.0		-5.0		377.5	T	T.S.2	

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### STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 11  
 LINE No.(s) 059-77 PARTY No. 1173 DATE 3 Day MAR Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHERWIN RODMAN A. GARCIA WEATHER: SNOW FLODLIES - WIND - COLD - SHIP 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												377.5				
2	W	1760		89 12 15					40	+20.4		402.9	0	T.S. 3		
3																
4																WEST END OF
5																A CRAPPY LINE.
6																
7																
8																
9																
10																
11																
12																
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17																
18																
19																
20																

TI-588B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

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

*TS*