

STADIA SURVEY NOTES

AREA BARROW STATE ALASKA PAGE No. 23
 LINE No. 651 PARTY No. 1182 DATE 11 Day 1 Mo. 79 Yr.
 SURVEYOR T. SHERRILL R. MERRITT WEATHER BLowing SNOW BOOK No. 1
 P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
			TAKE OFF S.P. 70 - LINE 657													
	SE	2200		89	53 10				9.07		+4.4	20.6	16.2		REFER PAGE 1A LINE 4	
		✓		270	07 10				9.0						SA 70 - LINE 657	Common with
		1760		89	52 00				9.0		-4.8	15.8			S.P. 6 - LINE 651	S.P. 6 - LINE 651
		1320		89	49 00				9.0		-4.7	15.9				
		880		89	45 10				9.0		-5.2	15.4				
		440		89	31 10				9.0		-5.3	15.3				
		0	✓						5.0		-5.0	15.6				
	NW	440		89	24 10				9.0		-5.7	14.9			FS 1	
		880		89	45 00				9.0		-5.1	15.5			FS 2	
		1320		89	49 00				9.0		-4.7	15.9			FS 3	
		1760		89	53 00				9.0		-5.4	15.2			FS 4	
		2200		89	54 20				9.0		-5.3	15.3			FS 5	
		2640		89	55 30				9.0		-5.4	15.2			FS 6	

WORKED BY _____ CHECKED BY _____ 2nd _____

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 SURVEYOR T. SHEPHERD RODMAN R. MERRITT WEATHER BLOWING SNOW P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
				TAKE OFF FROM S.P. 70 - LINE 657												
	NW	2640		89 53 50			9.07			+3.9	20.1	16.2				REFER PAGE 11 - LINE 4
		✓		270 06 40			9.01									S.P. 6 common
		2200		89 48 00			9.0			-1.2		18.9		7		W 124 S P 70/657
		1760		89 44 10			9.0			-0.8		19.3		8		
		1320		89 40 40			9.0			-1.5		18.6		9		
		880		89 32 70			9.0			-1.9		18.2		10		
		440		89 33 10			9.0			-5.6		14.5		11		
		0	✓				5.0			-5.0		15.1		12		
	SE	440		89 01 20			9.0			-1.5		18.6		13		
		880		89 23 30			9.0			+0.4		20.5		14		
		1320		89 39 00			9.0			-0.9		19.2		15		
		1760		89 43 40			9.0			-0.6		19.5		16		
		2200		89 48 20			9.0			-1.4		18.7		17		
		2640		89 53 00			9.07			-3.1		17.0		18		
		✓		270 08 00			9.01							19		
	NW	2640		89 55 40			9.07			+5.3	22.3			18		
		✓		270 05 00			9.01							19		
		2200		89 55 40			9.0			-6.1		16.2		19		

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AREA BARROW STATE ALASKA PAGE No. 25
 LINE No. 651 PARTY No. 1132 DATE 11 Day 1 Mo. 79 Yr. BOOK No. 1
 SURVEYOR T. SHERWILL RODMAN R. MERRITT WEATHER BLOWING SNOW P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
	NW	1760		89	54 40			9.0			-6.2	22.3	16.1	51.20		
		1320		89	54 00			9.0			-6.7		15.6	21		
		890		89	47 00			9.0			-5.7		16.6	22		
		440		89	29 20			9.0			-5.1		17.2	23		
		0						5.0			-5.0		17.3	24		
	SE	440		89	35 30			9.0			-5.9		16.4	25		
		880		89	50 00			9.0			-6.4		15.9	26		
		1320		89	54 40			9.0			-6.9		15.4	27		
		1760		89	56 40			9.0			-7.2		15.1	28		
		2200		89	56 40			9.0			-6.8		15.5	29		
		2640		89	58 10			9.07			-7.2		15.1	30		
				270	02 30			9.0						0		
	NW	1140		89	58 10			9.07			+7.1	22.2		30		
				270	02 40			9.07						31		
		2379		89	58 10			9.0			-7.6		14.6	31	INT 651 + 660 = S.P. 12 ON 651	= S.P. 12 + 47' 2.60
		2380		89	57 30			9.0			-7.2		15.0	31	S.P. 12 LINE 660	
		2200		89	57 40			9.0			-7.4		14.8	31		
		1760		89	56 40			9.0			-7.2		15.0	32		

WORKED BY _____

CHECKED BY _____

2nd _____

TI-588D

LINE 1 - P-1
 TO LINE 6 - P-3
 TO LINE 4 - P-11
 TO LINE 10 - P-25

RAW ELEV = 15.3
 ADS FROM T.S.G ON LINE 655 TO
 S.P. 28 ON 655 TO S.P. 70 ON 657 TO
 S.P. 12 ON 660

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AREA BARLOW STATE ALASKA PAGE No. 26
 LINE No. 651 PARTY No. 1182 DATE 11 Day 1 Mo. 79 Yr. BOOK No. 1
 SURVEYOR T. SHERRILL RODMAN R. MCKITT WEATHER BLOWING SNOW P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD				
	NW	1320		89	56 10				9.0		-7.5	22.2	14.7		51 33		
		380		89	54 20				9.0		-7.5		14.7		34		
		440		89	39 00				9.0		-6.3		15.9		35		
		0							5.0		-5.0		17.2	π	36		
	SE	440		88	32 20				9.0		+2.2		24.4		37		
		880		89	05 30				9.0		+5.0		27.2		38		
		1320		89	21 30				9.0		+5.8		28.0		39		
		1760		89	27 20				9.0		+8.0		30.2	0	40		
		0		270	33 40				9.0					0			
	NW	2640		89	59 30				9.0		+8.6	38.8		Δ	40		
		0		270	00 10				9.0					Δ			
		2200		89	58 30				9.0		-7.9		30.9		41		
		1760		89	55 30				9.0		-6.6		32.2		42		
		1320		89	51 00				9.0		-5.5		33.3		43		
		880		89	48 30				9.0		-6.0		32.8		44		
		440		89	32 40				9.0		-5.5		33.3		45		
		0							5.0		-5.0		33.8	π	46		
	SE	440		89	34 00				9.0		-5.7		33.1		47		

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AREA BARROW STATE ALASKA PAGE No. 27
 LINE No. 651 PARTY No. 1182 DATE 12 Day 7 Mo. 79 Yr. BOOK No. 1
 SURVEYOR T. SHERILL RODMAN R. MERRITT WEATHER CLEAR P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
	SE	880		89	45 30			9.0			-5.3	38.8	33.5		544B	
		1320		89	48 00			9.0			-4.4		34.4		49	
		1760		89	51 30			9.0			-4.6		34.2		50	
		2200		89	53 20			9.0			-4.6		34.2		51	
		2640		89	55 00			9.0			-4.6		34.2	0	52	
		✓ 2700		89	56 00			9.0						0	52	
	NW	3080		89	37 30			9.0			-11.0	22.4		0	52	
		✓ 2700		89	23 30			9.0						0		
		2640		89	33 50			9.0			+11.2		33.6		53	
		2200		89	31 00			9.0			+9.7		32.1		54	
		1760		89	32 30			9.0			+5.1		27.5		55	
		1320		89	34 10			9.0			+1.0		23.4		56	
		880		89	36 40			9.0			-3.0		19.4		57	
		440		89	35 20			9.0			-5.0		16.6		58	
		0	✓					5.0			-5.0		17.4	π	59	
	SE	440		89	39 00			9.0			-6.3		16.1		60	
		880		89	46 40			9.0			-5.6		16.8		61	
		1320		89	55 40			9.0			-7.3		15.1		62	

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AREA BARROW STATE ALASKA PAGE No. 28
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 SURVEYOR T. SHERKILL RODMAN R. MERRITT WEATHER CLEAR P.T.S. No.



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A BS O FS - SS	Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD				
	<u>SE</u>	<u>1760</u>		<u>89</u>	<u>57 10</u>				<u>9.0</u>		<u>-7.5</u>	<u>22.4</u>	<u>14.9</u>		<u>5163</u>		
		<u>2200</u>		<u>89</u>	<u>58 10</u>				<u>9.0</u>		<u>-7.7</u>		<u>14.7</u>		<u>75.1</u>		
		<u>2640</u>		<u>89</u>	<u>58 30</u>				<u>9.0</u>		<u>-7.7</u>		<u>14.7</u>		<u>3</u>		
		<u>3080</u>		<u>89</u>	<u>59 00</u>				<u>9.0</u>		<u>-7.9</u>		<u>14.9</u>		<u>3</u>		
		<u>3520</u>		<u>89</u>	<u>59 20</u>				<u>9.0</u>		<u>-8.1</u>		<u>16.3</u>		<u>4</u>		
		<u>3960</u>		<u>89</u>	<u>59 30</u>				<u>9.0</u>		<u>-8.1</u>		<u>16.3</u>		<u>5</u>		
		<u>4400</u>		<u>89</u>	<u>59 30</u>				<u>9.0</u>		<u>-8.0</u>		<u>16.4</u>		<u>6</u>		

WORKED BY _____ CHECKED BY _____ 2nd _____