

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE ALK PAGE No. 1
 LINE No.(s) 62 - PARTY No. 186 DATE 27 Day 3 Mo. 7 Yr. 5 BOOK No. _____
 SURVEYOR C C MAN RODMAN G C WEATHER: MILD 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											235.3	0	30	(see line notes for 30)	
2		2640		29-40	0.58			10.5	15.3	4.8	230.6	A			
3				27-24	0.70			17.9	17.5	4.6		CK			
4	E	1320	-					2.0		2.0	228.6		29		
5		0	-					5.2		5.2	225.4		28		
6	W	1320	-					5.0		5.0	226.6		27		
7		2640		29-00	1.74			7.5	45.9	36.4	267.0		26		
8		2000		22-50	2.04			4.6	57.0	52.5	283.1	0		TOP of HILL	
9				27-20	2.73			12.7	15.2	52.5		CK			
10		2475		29-30	0.87			15.3	21.5	8.2	274.9	A			
11				27-22	0.94			15.0	23.3	8.3		CK			
12	E	1320	+1/2					2.7	6.6	3.9	278.8		25		
13		0	-					5.2		5.2	269.7		24		
14	W	1320	-					1.0		1.0	273.9		23		
15		2145	+1/2					6.4	10.7	4.3	279.1	0		EAST BANK of	
16				27-20	0.58			8.3	12.4	4.1		CK		LAKE	
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE ALK. PAGE No. 4.
 LINE No.(s) 62 PARTY No. 106 DATE 27 Day 3 Mo. 75 Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN G. C. WEATHER: COLD P.T.S. No. _____

W Z	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												230.0	0	1.	WEST END	
2															8 989. T.S.	
3		2640	-									242.2				
4	W	1320	-									231.2		2		
5		0	-									237.0		3		
6	6	1320		+17						+6.6	-0.1	242.1		4		
7		2640		+12						+13.2	3.7	245A		5		
8		3910		09.50	0.27					8.2	11.5	244.7	0	6		
9		✓		270-14	0.41					13.8	16.2		CK			
10													RC:		PAGE 1 LINE 65	
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE ALB. PAGE No. 3.
 LINE No.(s) 62 PARTY No. 126 DATE 2 Day 3 Mo. 75 Yr. BOOK No. _____
 SURVEYOR C. C. MAN RODMAN G. C. WEATHER: 1145 P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1													225.5	0	15.	
2		1010		90-30	0.87				13.2	+8.8	2.0	254.4		A		
3		✓		219-20	1.16				8.0	+1.0	29.6			CK		
4	E.	495	-						7.5	9.5		244.9			14.	
5		0	-						5.2	3.2		249.2				
6	W.	225	-						3.0	3.0		251.4			13.	
7		2140	-						5.4	5.4	5.6	248.8	0	CK	12.	
8		✓		270-10	0.29				12.0	+2.2	5.2			CK		
9		2640		+1/2					4.9	13.2	8.3	240.6		A		
10		✓		270-20	0.58				7.7	15.3	2.1			CK		
11	E.	1320		+1/2					3.2	+6.6	+3.4	244.0			11.	
12		0	-						5.2	3.2		235.4			10.	
13	W.	1320		90-30	0.87				11.3	11.5	22.8	212.8			9.	
14		2640		-1/2					3.9	13.2	17.1	222.4	0	CK	8.	
15		✓		269-50	0.29				9.6	7.7	17.3			CK		
16		1320		70-30	0.87				8.2	11.5	17.2	243.1		A		
17	E.	✓		219-40	0.58				12.1	+2.2	19.8			CK		
18		0	-						5.2	3.2		237.9			7	
19	✓	1320		+1/2					4.9	+6.6	17.2	244.7	0	CK	6.	± 62 - 62.6.
20		✓		270-30	0.87				10.0	17.5	1.5			CK		65 65-63.

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RC: PAGE 1. LINE 65.
 2nd REV. BACK TO SP. 30.

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE ALB. PAGE No. 2
 LINE No.(s) 62 PARTY No. 126 DATE 27 Day 3 Mo. 75 Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN L. C. WEATHER: MID 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												277.1	0		
2		1810		82.20	2.91				5.9	52.7	41.8	76.6	272.5	Δ	
3		✓		71.50	3.20				11.4	57.9	46.5			CK	
4	E	1320	-						5.2	5.2		227.3		22.	LAKE
5		0	-						5.2	5.2		227.3		21.	LAKE
6	W	1320	-						5.2	5.2		227.3		20.	LAKE
7		2640	-						5.0	5.0		227.5		19.	
8		3795	-	89.06	24.156				15.0	57.2	44.2		276.3	0	TOP of EA WEST
9		✓		70.58	0.6157				15.0	57.4	43.4			CK	BANK of LAKE
10		1485		89.40	0.58				6.3	7.6	2.3	274.2		Δ	
11		✓		77.10	0.29				2.3	4.3	2.0			CK	
12	E	1320		77.10	0.29				2.4	3.8	1.4		275.6		18
13		0	-						5.2	5.2		268.0		17.	
14	W	1320		-1/2					19.2	6.6	4.8		254.4		16.
15		2640		90.45	1.31				13.9	24.6	41.5		225.5	0	15.
16		✓		89.16	1.28				15.0	32.8	48.2			CK	
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE ALB. PAGE No. 5.
 LINE No.(s) 62 PARTY No. 186 DATE 30. Day 3. Mo. 75. Yr. BOOK No. _____
 SURVEYOR L. LITMAN RODMAN T.T. WEATHER: Cloudy. P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												165.3	0	EP.	24. gap. EAST.	
2																
3	E	990		71-00	1.74				12.2	12.2	29.4	194.7		A		
4									5.4			189.3			gap.	
5	✓	1510	-						2.2		3.2	191.5		SP. 77.		
6		1660	-						4.7		37.2	187.9	0	4	13 I.P.	
7	✓			270-10	0.29				9.7	4.8	4.2		CK.		54.	
8		2620	-						1.0		11.0	191.0		A		
9	✓			270-10	0.29				2.8	7.6	12.1		CK.			
10	E	70	-						7.3		7.3	183.7		SP. 75		
11		0	-						5.6		5.6	185.4			gap.	
12	W.	1240		89-00	1.74				4.5	21.6	17.1	208.1	0	SP. 74		
13	✓			271-20	2.33				11.8	22.9	17.1		CK.			
14		1320	-						2.1		8.1	216.2		A		
15	✓			270-10	0.29				12.0	3.8	8.2		CK.			
16	E	85	-						6.0		6.0	210.2		SP. 60	PT. 186.	
17		0	-						5.1		5.1	211.1		SP. 72	PT. 182.	
18															"I.P."	
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE Alk. PAGE No. 6.
 LINE No.(s) 62 PARTY No. 106 DATE 30 Day 3 Mo. 75 - Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN G. GERRARD WEATHER: CLOUDY 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												216.2				
2	W.	1235	-										214.6		58.59	PT 106.
3		2555		+ 1/2									218.0	0	58	
4		✓		270-10	.29										CK	
5		1130		91-05	1.74										Δ	
6	E.	✓		249-10	1.45										CK	
7		0	-												-	BEND.
8	W.	190	-												57	
9		1510	-												56	
10		2000	-													
11		✓		269-50	.29										CK	
12		2140	-												Δ	
13		✓		270-10	.29										CK	
14	E.	1320		269-10	1.45											
15		0	-													
16	W	1320		+ 1/2											55	
17		✓		270-40	1.16										54	
18															53	
19															52	
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE ALK. PAGE No. 7.
 LINE No.(s) 62. PARTY No. 186. DATE 30. Day 3. Mo. 75. Yr. BOOK No. _____
 SURVEYOR L. LITMAN. RODMAN G. C. WEATHER: CLOUDY. P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												245.0	0	53.		
2		3135		21-30	.87				11.7	27.5	75.6	229.5	A			
3		✓		27-32	.93				13.8	29.2	75.4		CK.			
4		1815		+1/2					3.9	79.1	5.2	234.7		52		
5	E	495	-						13.1		13.1	216.4		51		
6		0	-						5.2		5.2	224.3		-		
7	W	825	-						13.2		13.2	216.3	0	50		
8		✓		267-40	.58				2.5	7.8	13.3		CK			
9		2640		+1/2					7.0	13.2	6.2	210.2	A			
10		✓		27-20	.58				9.4	15.34	5.9		CK.			
11	E	1320		269-20	1.16				9.1	15.3	24.4	185.8		49		
12		0	-						5.3		5.3	204.9		48		
13	W	1320		+1/2					2.8	76.6	3.8	214.0		47		
14		2640		+1/2					10.0	73.2	73.2	213.4	0	46		
15		✓		27-20	.58				12.2	15.34	3.1		CK.			
16		2135		27-24	.99				12.7	31.0	41.5	256.7	A			
17		✓		269-20	1.16				2.8	36.4	43.4		CK			
18		1815		269-20	1.16				7.2	32.1	30.7	226.0		45	45.	
19	E	495	-						17.4		74.4	242.3		44		
20		0	-						5.2		5.2	231.5		-		

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE ALK. PAGE No. 0.
 LINE No.(s) 62 PARTY No. 186 DATE 30 Day 3 Mo. 75 Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN G. C. WEATHER: CLOUDY. P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												256.7				
2		825		92.00	3.49				11.0	28.8	39.8		246.9		43.	
3		2140		90.40	1.16				13.6	24.8	30.4	38.4	218.3	⊙	42.	
4		✓		267.10	1.45				7.5	31.0	38.5			CK		
5		1810		90.30	.87				10.9	25.9	26.6	26.6	244.9	Δ		
6		✓		269.20	1.16				5.5	21.0	26.5			CK		
7	E	495		268.00	3.49				12.0	17.3	29.3		215.6		41.	
8		0	-						5.2		3.3		239.6		-	
9	W	825	-						7.7		7.9		237.0		40.	
10		2140		+1/2					1.5	10.7	9.2		254.1		39.	
11		2640		89.30	.87				4.6	23.0	28.4		263.2	⊙		
12		✓		270.40	1.16				12.4	30.6	38.2			CK		
13		2140		89.10	1.45				5.8	31.0	25.2		238.1	Δ		
14		✓		271.00	1.74				12.2	37.2	25.0			CK		
15	E	1320	-						2.0		3.0		235.1		38	
16		0	-						5.3		3.3		232.8		37.	
17	W	1320	-						6.3		6.3		231.8		36.	
18		2140	-						5.8		5.8		232.1	⊙	35.	
19		✓		270.10	.29				13.8	27.1	6.1			CK		
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE ALV. PAGE No. 9.
 LINE No.(s) 62 PARTY No. 186 DATE 30 Day 3 Mo. 75 Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN T. T. WEATHER: CLOUDY 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		2640	-									232.1		0	25		
3		✓		270-02	.16							240.8		Δ			
4	E.	1320	-									235.8			34		
5		0	-									235.5			33		
6	W.	1320	-									234.8			32		
7		2140	-									236.0		0	31		
8		✓		270-13	.38									CK			
9		1320	-														
10	E.	✓		270-10	.29							240.9		Δ			
11		0	-									235.3		0	30		
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 1
 LINE No.(s) 62 PARTY No. 182 DATE 19 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR MONOIKU RODMAN MIKE WEATHER: _____ 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		<u>309/2270</u>														Refer Page 4, line 1
3	E		8950.47					3.0	-10.4	-7.4	2259.7		269.7	Δ	107	N4-84 @ SP 107+1251
4	E	2640	8951.18					4.0		+2.7			262.4		107	
5	E	1320	8951.08					4.0		-4.4			255.3		106	
6		0	-					5.0		-5.0			254.7		105	
7	W	1320	8949.32					4.0	-5.2	-9.2			250.15	○	104	
8	E	2640	8947.10					4.0	-25.2	-21.2	2229.3			Δ		K @ 102
9	E	1320	8946.28					4.0		+4.0			236.3		103	
10		0	-					6.0		-6.0			223.3		102	
11	W	1089	8943.51					15	47.8	+16.3			245.6	○	TP83	@ 101 + 231 N4-83
12	E	1551	8933.21					15	33.0	-1.5	2144.1			Δ		K @ 100
13	E	1320	8933.21					4.0		-1.4			242.7		101	
14		0	-					3.0		-3.0			241.1		100	N4-82 [0.6/0.3] 114
15	W	1320	8941.28					6.0	-15.9	+21.9			222.2	○	99	222.2
16	E	5280	8937.56					6.0	-33.9	-27.9	194.3			Δ		K @ 95 194.3
17	E	3960	8937.28					4.0		-1.1			193.2		98	
18	E	2640	8929.7					4.0		-25.5			168.8		97	
19	E	1320	8931.58					4.0		-16.3			178.0		96	
20		0	-					6.2		-4.2			189.1		95	

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STADIA SURVEY NOTES

AREA NPK-4 STATE or PROVINCE AK PAGE No. 2
 LINE No.(s) 62 PARTY No. 182 DATE 19 Day 3 Mo. 175 Yr. BOOK No. 3
 SURVEYOR MONOHON RODMAN MIKE WEATHER: _____ 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												194.3				194.3
3	W	1320		91 56 49						4.0	-48.8	145.5		94		
4	W	√ 2140		90 33 11						7.0	-25.5 / -32.5	161.8	⊙	93		161.8
5	E	√ 2640		89 05 54						10.0	-41.9 / -31.9	129.9	Δ		TE 91	129.9
6	E	1320		89 25 45						9.0	+9.2	139.1		92		
7		0		-						5.5	-5.5	124.4		91		
8	W	1320		91 12 55						4.0	-32.0	97.9		90		
9	W	2640		90 29 15						4.0	-26.5	103.4		89		
10		3960									-26.5	103.4		88	Same as 89	
11	W	√ 5280		90 12 35						4.0	-19.3 / -23.3	106.6	⊙	87		106.6
12	NE	√ 3960		91 12 48						4.0	+83.9 / +87.8	194.4	Δ		TE 84	194.4
13	E	2640		91 55 34						4.0	-92.7	101.7		86		
14	E	1320		93 27 10						4.0	-83.4	111.0		85		
15		0		-						5.4	-5.4	189.0		84		
16	EW 495	1320		88 24 36						4.5	+13.7 / -93.1	203.6	⊙	NA-86	TE 83 + 25	193.6
17	NE 705	1420		89 52 59						4.7	-15.2 / -11.5	193.1	Δ		TE 78	193.1
18	E	6600		89 59 31						4.0	-3.1	190.0		83		
19	E	5280		90 18 16						4.0	-31.9	161.2		82		
20	E	3960		90 14 00						4.0	-20.1	173.8		81		

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 3
 LINE No.(s) 62 PARTY No. 182 DATE 19 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR MONOHON RODMAN MIKE WEATHER: _____ 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												193.1				193.1
2	E	2640		902853					4.0	-26.0		166.9		80		
3	E	1320		910449					4.0	-28.9		164.2		79		
4		0		-					5.5	-5.5		187.6		78		
5	W	✓ 1320		900355					4.0	-1.5	-5.5	187.6	0	77		187.6
6	E	✓ 3960		901716					4.0	+23.9	211.5		Δ		π Q 74	211.5
7	E	2640		904704					4.0	-40.1		171.4		76		
8	E	1320		910828					4.0	-30.3	181.2	141.2		75		
9		0		-					5.6	-5.6		205.9	2nd	74		
10	W	✓ 1320		895517					2.2	-0.4		211.19	0	73	≡ T.P. 86 87	211.1
11																SP 73 is beginning of line 62
12																
13																
14																
15																
16																
17																
18																
19																
20																

TI-588B

WORKED BY _____

CHECKED BY 1st Out

2nd _____

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE Alaska PAGE No. 4
 LINE No.(s) 62 PARTY No. 182 DATE 20 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR D. YOUNG RODMAN MIKE WEATHER: _____ 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.			
1			Take off			Paul Menahen's			Survey @ 50.10741251		285.9			= N4-B4	
2	W	2709	89-41-40		C			3.0	-14.4	-11.4	274.5	Δ		(Center of Target)	
3		2640	89-46-34		C			4.0	+6.3		280.8		108		
4		1320	89-47-20		C			4.0	+0.9		275.4		109		
5		0						5.4	-5.4		269.1		110		
6		1320	90-18-34		C			4.0	-16.1		263.4		111		
7	E	2640	90-44-06		C			4.0	-10.8	-14.8	259.7	Δ	112		
8															
9	N	2640	89-51-57		C			4.0	-6.2	-2.2	257.5	Δ			
10		1320	89-57-77		C			4.0	-3.0		254.5		113		
11		0						5.0	-5.0		252.5		114		
12		1320	90-44-52		C			6.0	-23.2		234.3		115		
13	E	2640	90-15-48		C			4.0	-12.1	-16.1	241.4	Δ	116		
14															
15	W	3253	90-20-20		C			15.0	+19.2	+34.5	275.9	Δ			
16		1320	90-44-34		C			4.0	-29.0		246.9		117		
17	613	1320	90-42-02		C			4.0	-11.5		260.4	Δ	118		
18		0						5.4	-5.4		270.5		119	Target Target N4-B5 same	
19		707											119		
20		4227	91-31-23		C			4.0	-53.0		216.9		120		

WORKED BY 3377 90-44-00 4.0 CHECKED BY 1st 229.11 2nd 121

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 5
 LINE No.(s) 62 PARTY No. 182 DATE 20 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR D. Young RODMAN Mike WEATHER: Clear & cool -30 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												275.9				
2	E	1667		90°08'27"		C			4.7	-11.5	-16.2	259.7	⊙	122	N4-88	
3																
4	W	1320		89°42'11"		C			4.7	-6.8	-2.1	257.6	Δ			
5		0		-		-			5.4		-5.4	252.2		123		
6		1320		90°44'49"		C			4.0		-21.2	236.4		124		
7		2640		90°46'12"		C			4.0		-39.5	218.1	✓	125		
8	E	3465		90°22'57"		C			4.0	-30.1	-34.1	223.5	⊙			
9																
10	W	3455		90°04'00"		C			7.0	+52.1	+9.2	232.7	Δ			
11		3960		90°28'12"		C			4.0		-48.0	184.7		126		
12		2640				C			4.0		-48.0	184.7		127	↘ CB FLAT	
13		1320		93°07'50"		C			4.0		-74.5	158.2		128		
14		0		-		-			5.6		-5.6	227.1		129		
15		1320		88°52'35"		C			4.0		+21.9	254.6	✓	130		
16	E	2845		88°47'52"		C			7.0	+45.0	+44.0	273.7	⊙			
17																
18																
19																
20																

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WORKED BY D. Young

CHECKED BY 1st D. Young

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 6
 LINE No.(s) 62 PARTY No. 182 DATE 20 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR D. Young RODMAN Mike WEATHER: Clear - 30 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	N	990		90°30'50"		C			4.0	+8.9	+12.9	286.6				
3		495		90°31'46"		C			4.0	-9.6		278.0		131		
4		0		-		-										
5		825		90°26'20"		C			4.0	-5.5		281.1		132		
6	E	24245		89°57'39"		C			6.0	+1.5	+5.1	281.5	⊙	133		Top of Target
7		2640														
8	W	1015		90°15'44"		C			6.6	+10.5	+17.1	298.6				
9		1320		90°51'17"		C			4.0	-23.7		274.9		134		
10		0		-		-			5.8	-5.8		292.8	135			Target NA-90
11		1120		90°10'42"		C			4.0	-8.1		290.5				
12		2640		89°57'39"		C										
13		3960														
14	E	4985		89°57'39"		C			4.4	+3.3	+1.1	297.5	⊙	138		Top of Target
15																
16		0							4.0	+4.0		301.5				
17	W	825		90°49'50"		C			4.0	-8.8		292.7		138		
18		2145		90°15'47"		C			4.0	-13.8		287.7		137		
19		2425		90°26'38"		C			4.0	-10.7		290.8		136		
20																

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CHECKED BY 1st Dut

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STADIA SURVEY NOTES

AREA N.B.R.-4 STATE or PROVINCE ALASKA PAGE No. 7
 LINE No.(s) 62 PARTY No. 182 DATE 20 Feb Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR D. Youngs RODMAN Mike WEATHER: Cold -40 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.		
1											301.5			
2	E	495		90-55-39		C		4.0	-18.0		289.5	139		↑
3	E	1815		91-14-44		C		4.0	-34.2	38.2	263.3	190		
4														
5	W.	4785		89-50-39		C		4.0	-13.0	-9.0	254.3			Begin survey on 21
6		✓		270-07-22		C		4.0	-13.0					
7		2465		50-12-10		C		4.0	-17.7		236.6	141		REFER
8		2145		90-23-44		C		4.0	-14.8	-18.8	235.5	142		P-27
9		825		90-59-36		C		4.0	-18.3		236.0	143		L-9
10		0						5.0	-5.0			144		LINE 51
11		495		91-30-09		C		4.0	-18.1		236.2	144		
12		1815		91-23-03		C		4.0	-47.8		206.5	145		235.5
13		3135		90-57-30		C		4.0	-56.4		197.9	146		
14	E.	4455		90-34-33		C		4.0	-44.8	-48.5	205.8	147		
15		✓		279-25-08		C		4.0	-44.3		234.2			
16														
17														
18														
19														
20														

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CHECKED BY 1st Dut

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE Alaska PAGE No. 8
 LINE No.(s) 62 PARTY No. 182 DATE 22 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR D. Young RODMAN WEATHER: Clear - 40 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	West	165		89-57-18		C			+4.0	-0.1	+3.9	209.7				
3	✓	✓		27-02-39					+4.0	-0.1		235				
4		0		-					5.0							
5		1155		91-34-39		C			4.0		-35.8	173.9			148	
6		2475		89-37-44		C			4.0		+16.4	222.1			149	
7	East +	3795		89-40-20		C			4.0	+43.8	40.2	249.9	0		150	
8	✓	✓		27-40-23		C			4.0	+44.6		233	0			
9																
10	West	1320		90-19-06		C			+4.0	+7.3	+11.2	261.1				
11	✓	✓		26-24-26		C			+4.0	+7.5		286.5				
12		0		-					5.4							
13	East +	1320		87-46-00		C			4.0	+5.4	+1.5	262.6	0		152	Target @ N4-92
14		✓		27-14-37		C			4.0	+5.6		286.0	0			
15																
16	West	495		90-21-37		C			+4.0	+3.1	+7.1	269.7				
17	✓	✓		269-38-22		C			4.0	+3.1		255				
18		0		-						+5.9		260.3				
19		825										261.3			153	c.s.
20		2145		91-25-38		C			4.0		-57.4	212.3			154	

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STADIA SURVEY NOTES

AREA N.P.R. 4 STATE or PROVINCE Alaska PAGE No. 9
 LINE No.(s) 62 PARTY No. 182 DATE 22 Day 3 Mo. 25 Yr. BOOK No. 3
 SURVEYOR D. Young RODMAN Mike WEATHER: clear - - 40 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												269.7				
2	East	296.5		90-52-58		c			4.0	-53.3	57.1	212.6	0	155		↑
3	✓	✓		267-07-35		c			4.0	-52.8		212.0	0			
4																
5	West	445.5		90-31-45		c			4.0	+41.1	44.6	257.2	Δ			
6	✓	✓		267-29-09		c			4.0	+40.0		262.0	Δ			
7		313.5		90-44-41		c			4.0	-44.7		212.5		156		
8		181.5		91-17-58		c			4.0	-45.1		212.1		157		
9		495		74-44-41		c			4.0	-44.8		212.4		158		
10		0		-		-			5.6	-5.6		251.6				
11		825		89-28-27		c			4.0	-3.6		253.6		159		
12		214.5		90-03-49		c			4.0	-7.6		209.6		160		
13		346.5		87-54-20		c			4.0	-0.3		256.9	0	161		
14	East	396.0		87-56-52		c			2.5	+3.5	+1.6	258.8	0		Target = N 4-93	
15	✓	✓		270-03-58		c			2.5	+4.6		284.2	0			
16																
17	West	132.0		90-03-31		c			2.5	+1.4	+3.7	262.5	Δ			
18	✓	✓		267-57-18		c			2.5	+1.0		157.7	Δ			
19		495		90-14-45		c			4.0	-6.1		256.4		162		
20		0		-		-			5.7	-5.4						

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STADIA SURVEY NOTES

AREA N. P. R. 4 STATE or PROVINCE Alaska PAGE No. 10
 LINE No.(s) 62 PARTY No. 182 DATE 22 Day 3 Mo. 25 Yr. BOOK No. 3
 SURVEYOR D. Young RODMAN Mike WEATHER: Clear -35 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												262.5				
2		825		90-52-18		C			4.0	-12.5	-16.5	240.0		163		245.0
3		2145		90-30-55		C			4.0		-23.3	239.2		164		P-27
4	East	3465		90-21-40		C			4.0	-21.8	-25.4	237.1	⊙	165		L-18
5	✓	✓		269-37-10		C			4.0	-21.0			⊙			LINE 49
6		3465														
7	West	3175		89-55-22		C			4.0	-4.7	-1.1	236.0				
8	✓	3465		90-05-25					4.0	-5.5						
9	2145	1045		90-38-52		C			4.0		-28.2	207.8		166		
10	825	495		92-23-38		C			4.0		-38.4	197.6		167		
11	0					C			5.0		-5.0					
12		495		90-44-12		C			4.0		-10.4	225.6		168		
13	East	1815		89-00-17		C			4.0	+31.5	+27.8	263.8	⊙	169		
14	✓	✓		271-00-50		C			4.0	+32.1			⊙			
15																
16	West	3465		90-11-03		C			4.0	+11.1	+14.6	278.4				
17	✓	2145		28-37-54		C			4.0	+10.1						
18		3465		90-18-27		C			4.0		-15.5	262.9		170		
19		825		92-26-46		C			4.0		-39.2	239.2		171		N4-94
20									4.0		-9.0					

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STADIA SURVEY NOTES

AREA N.P.R. 4 STATE or PROVINCE Alaska PAGE No. 11
 LINE No.(s) CR PARTY No. 182 DATE 22 Day 3 Mo. 25 Yr. BOOK No. 3
 SURVEYOR D. Young RODMAN Mike WEATHER: Clear - 30 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												272.7				
2		495		90-17-55	C				4.0	-6.6	35.9	271.8		172		
3	East	1150		90-25-42	C				4.0	-12.3	-16.1	262.3	0			
4	✓	1150		72-35-12	C				4.0	-11.9			0			
5																
6	West	5445		90-19-14	C				4.0	12.5	425.5	287.8				
7	✓	✓		269-47-07	C				4.0	120.4						
8		5280		90-17-55	C				4.0	-34.6		253.2		173		
9		3960		90-47-58	C				4.0	-54.6		233.2		174		
10		2640		91-14-55	C				4.0	-61.5		226.3		175		
11		1320		269-47-07						-41.5		226.3		176		(SAME AS 175 1/4 in)
12		0							5.4	-5.4		282.7	0	177		N4-95 EDGE
13	East	1320		90-24-01	C				4.0	-9.2	-13.0	274.8	0	178		
14	✓	✓		269-37-01	C				4.0	-8.8			0			
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 12
 LINE No.(s) 62 PARTY No. 2182 DATE 23 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR D. Young RODMAN J. McKAY WEATHER: HAZY - 30 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	West	6600		89 44 20					+4.0	-30.1	26.8 248.0	274.8	0	178		↑
3	"	6600		270 06 23					+4.0	-31.5			Δ	178		
4	"	5280		90 06 14					4.0	-13.6		234.4		179		
5	"	3960		90 15 21					4.0	-21.7		226.3		180		
6	"	2640		90 22 17					4.0	-21.1		226.9		181		
7	"	1320		90 58 40					6.0	-28.5		219.5		182		
8		0							6.6	-5.6		242.4		183		
9	East	1320		91 37 09					4.0	-41.3		206.7		184		
10	"	2640		90 50 37					4.0	-42.9		205.1		185		
11	"	3960		90 05 59					4.0	-10.8		237.2		186		
12	"	5280		89 59 25					4.0	+0.9	-2.6	245.4	0	189		
13	"	5280		270 01 13					4.0	+1.9			0	OK		
14	West	3135		89 50 14					+4.0	-89	-5.8	240.0	Δ			
15	"	3135		270 00 58					+4.0	-9.9			Δ	OK		
16	"	2640		91 43 26					4.0	-58.7		181.3		189		
17	"	2640		94 20 51					4.0	-41.4		198.6		189		
18	EAST	825		90 13 15					4.0	-4.8		235.2		190		
19	"	2145		89 39 49					4.0	+8.6		248.6		191		
20	"	3465		89 34 48					4.0	+25.4	22.0	262.0	0	192		

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 13
 LINE No.(s) 102 PARTY No. 182 DATE 23 Day 3 Mo. 25 Yr. BOOK No. 3
 SURVEYOR D. Young & McKay RODMAN J. McMay WEATHER: HAZY -30 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																
2	West	1320		90 41 48		c			+4.0	+16.0	+17.8	281.8		0	192	
3	"	1320		269 19 20		c			+4.0	+15.6				0	193	
4	-	0	-	-		-			5.4	-5.4		276.4		0	193	
5	EAST	363		90 17 39		c			3.3	-1.9	-5.1	276.7		0	TARGET	N4-96
6	EAST	363		269 43 45		c			3.3	-1.7				0		
7	West	3597		89 56 11		c			3.3	-4.0	-1.1	275.6		0		
8	✓	3597		270 04 24		c			3.3	-4.8				0		
9		2640		90 32 44		c			4.0	-29.1		246.5		0	194	
10		1320		90 33 07		c			4.0	-16.7		258.9		0	195	
11		0		-		-			5.4	-5.4		270.2		0	196	
12		1320		89 42 26		c			4.0	+2.7		278.3		0	197	
13	EAST	2584		89 40 02		c			5.3	+15.0	+11.9	287.5		0	Target	N4-97
14	✓	✓		270 21 25		c			5.3	+16.1				0		
15																
16																
17																
18																
19																
20																

Note: Above elev. is from Reip.

To be
 A double
 Reip. notes

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STADIA SURVEY NOTES

AREA N.P.R. 4 STATE or PROVINCE ALASKA PAGE No. 14
 LINE No.(s) 6E PARTY No. 182 DATE 23 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR J. McKay RODMAN mike WEATHER: Clear & -35 P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1												282.5	From Recip. Elev.			
2	W	2201		89 41 39	0 12 21			+4.0	-11.7	-14.7	298	288.0	Δ	197 + 1264	(N4-97)	
3	"	2201		270 09 13	0 9 13	(W1846)		+4.0			274.3		Δ	Check		
4	"	2145		89 22 44				4.0		+15.5		295.8		198		
5	"	825		90 05 45				4.0		-5.4		280.9		199		
6	-	0		-				-5.6		-5.6		280.7		ST	199 + 825	
7	E	495		90 47 19				4.0		-10.8		280.6		200		
8	"	1815		90 27 53				4.0		-18.8		261.8		201		
9	"	3135		90 28 20				4.0	-26.3	-26.3		235.5	Δ	202		
10	"	3135		269 32 20				4.0	-25.2	-25.2		234.7	Δ	Check		
11	W	4569		89 49 25				+3.8	-14.1	-10.7	239.9		Δ			
12	"	4569		270 11 19				+3.8	-15.0	-11.2	237.8		Δ	Check		
13	"	3249		90 17 02				4.0		-20.6		219.3		203		
14	"	1929		90 24 42				4.0		-20.5		213.3		204		
15	"	609		91 08 54				4.0		-17.9		213.9		204		
16	-	0		-				5.6		-16.2		207.4		205	(227.6) Recip.	
17	E	711		91 47 32				4.0		-5.6		226.2	✓	T	S.P. 205 + 609.4	
18	"	2031		90 34 26				4.0		-26.2		213.1		206		
19	"	3351		90 24 27				4.0		-24.3		215.0		207		
20	"	4671		90 07 40				4.0		-27.8		214.5		208		
										-14.4		224.9		209		

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STADIA SURVEY NOTES

AREA N.P.R. 4 STATE or PROVINCE ALASKA PAGE No. 15
 LINE No.(s) 62 PARTY No. 182 DATE 23 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR J. McKay RODMAN Mike WEATHER: Clear & -35 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												239.3				
2	E	5991		90 13 57				4.0	-24.3			212.1	0	210		
3	"	5991		269 47 14				4.0	-22.2				0	check		
4	W	3960		89 49 12?				4.0	-12.4			213.9	4			
5	"	3960		270 01 59				4.0	-2.2	+1.5		211.67	4		Tr-2.3	
6	"	2640		89 49 15				4.0	+4.3			215.9		211		
7	"	1320		90 00 54				4.0	-4.3			207.3		212		
8	-	-		-				5.4	-5.4			206.2	7	213		
9	E	1320		90 11 22				4.0	-8.4			208.2		214		
10	"	2640		90 05 54				4.0	-8.5			208.1		215		
11	"	3960		90 01 23				4.0	-5.6			206.0		216		
12	"	5280		89 32 06				4.0	+42.9	+39.5		251.1	0	217		
13	"	5280		270 28 48				4.0	+44.2				0	check		
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 16
 LINE No.(s) 62 PARTY No. 182 DATE 24 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR J. McKay RODMAN M. Ke 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		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																
5																
6																
7																
8																
9																
10																
11																
12																
13	W	495		935228					4.0	+33.4	+27.3	289.4	251.1	Δ	19.217	
14	W	495		2660804					4.0	+33.4		270.7	253.4	Δ		π @ 217 + 495
15	E	825		884915					4.0		-1.4	287.91			218	11.99
16	E	1833		895409					3.9	+3.1	-0.6	287.8	270.7	Δ	TP 99	@ 218 + 100
17	E	✓		2900625					3.9	+3.4				Δ		
18	W	4767		964523			89-45-23		3.9	+62.9				Δ		π @ 218 + 495?
19	W	✓		2900625					3.9	-21.4		312.5		Δ		
20	W	4455		962236					4.0		-39.8	272.7		Δ	219	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 17
 LINE No.(s) 62 PARTY No. 182 DATE 24 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR J. McKay RODMAN Mike 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												312.5			
2	W	3135		915047						-104.9		207.6		220	
3	W	1815		921420						-74.9		237.6		221	
4	W	995		920440						-30.5		282.0		222	
5	E	825		891537					+10.7	6.7		319.2	⊙	223	
6	E	✓		209501					+10.8				⊙		
7	W	2640		894158					-9.2	5.5		313.7	Δ		π @ 225
8	W	2640		2701246					-9.2				Δ		
9	W	1320		894747						+0.7		314A		224	
10		0		-						-5.6		308.1		225	
11	E	1320		923644						-64.1		249.6		226	
12	E	2640		912245						-67.5		246.2		227	
13	E	3960		905637						-69.2		244.5		228	
14	E	5280		704406						-67.7	-71.0	242.7		229	
15	E	5280		2671647						-66.4				230	
16	W	3135		912256						+15.6	79.2	321.9		231	π @ 231 + 495
17	W	3135		2893759						+20.1				232	249 ← 1000. 250. 27
18	W	1815		922652						-81.4		240.5		230	200 H.I. = 210 @ 274.9
19	W	995								-38.5		283.9		231	NA-100 = 231.9
20	E	825								-14	5.3	276.7		232	6000

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STADIA SURVEY NOTES

AREA NPK-4 STATE or PROVINCE ALASKA PAGE No. 18
 LINE No.(s) 62 PARTY No. 182 DATE 24 Day 3 Mo. 75 Yr. BOOK No. 3
 SURVEYOR J. McKay RODMAN Mike WEATHER: _____ 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				26955.03							316.6	⊗	232		
2				26955.03							316.6	⊗	232	TRIP 0 232-400	
3	West	6600	90+2.01					2.1	+3.9	249.9	1821.5	Δ		π ⊗ 237	
4	✓	✓	290+02.10	26959.06				2.1	+1.7			Δ			
5		5280	9051.21					4.0	-82.9		238.6		233		
6		3960	9111.44					4.0	-86.6		234.4		234	234=235=236 Lake	
7								6.3	-6.3		315.2		237	14-101	
8	East	1320	9137.28					1.4	-37.4	2-38.6	282.9	⊗	238	Top of Pipe -	
9	✓	2	26823.37					1.4	-37.0	5		⊗		END OF LINE	
10															
11														9rd.	
12											374.7				
13															
14															
15															
16															
17															
18															
19															
20															

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