

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 54
 LINE No.(s) 71 PARTY No. 1184 DATE 16 Day 5 Mo. 25 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: 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	Correction				INST.	ROD			
1			TAKE	OFF	#1	GROUP			ON	WESTERLY	END	OF	LINE 71			
2																
3			5 GROUP	END	SPREAD	Laid	OUT			- STEEP	CLIFF	- NO	ACCESS			
4																
5																
6	W	1485		89.5819					14.0	-0.7	+3.3	289.5		△		
7	R			870.21.46					14.0	-0.8				R		
8																
9		0							5.3		-5.3		284.2	T		INTERSECTION 71 & 5X5
10																SP. 51 LINE 71
11																PIPE SET 5.3 ABOVE
12																GROUND. (N2-476)
13																
14	N	25	N						5.5		-5.5		284.0			SP 58 - 5X5
15						RE	LINE 5X5	PAGE 12					286.7			
16	S	1895		90.0802					-4.0		-7.0		282.5			SP 57 - 5X5
17						RE	LINE 5X5	PAGE 12					285.0			
18	E	1320		90.1127					-4.0	-4.4	-8.3		281.2	○		SP 2 - 71
19	R			862.4849					-4.0	-4.3				R		
20																

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AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 59
 LINE No.(s) 71 PARTY No. 1184 DATE 16 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: CLEAR 77 MILD. 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	Correction	Center Hair			INST.	ROD			
1												266.9				
2																
3		92.5		91 42 13					-4.0		-31.5		235.4		SP 17	
4																
5	E	224.5		89 34 58					-5.0	+16.3	+11.5		270.4	⊙	SP 18	N2-480
6		R		270 35 31					-5.0	+16.7				R		
7																
8		O							+5.9		+5.9	284.3		Δ		
9																
10	E	132.0		90 27 46					-4.0	-10.7	-14.4		269.7	⊙	SP 19	
11		R	✓	270 00 00					-14.5					R		
12																
13	W	214.5		90 04 15					+4.0	+2.7	+6.6		276.3	Δ		
14		R		269 55 55					+4.0	+2.5				R		
15																
16		82.5		31 59 20					-4.0		-32.6		243.7		SP 20	
17																
18		O							-5.6		-5.6		270.7	X		GROUP
19																
20																

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AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 56
 LINE No.(s) 71 PARTY No. 1184 DATE 16 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND 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.	ROD			
1													318.3			
2																
3	W	O							6.7		+6.7	325.0		Δ		
4		R														
5																
6		1320		90 36 00					-4.0		-17.8		307.2		SP 7	
7																
8	E	2640		89 56 42					-5.0	+2.4	-2.5		322.5	O	SP 8	N2-478
9		R		87 03 26					-5.0	+2.6				R		
10																
11		O							5.7		+5.7	328.2		Δ		
12																
13	E	1320		90 33 05					14.0	-12.7	-26.6		304.6	O	SP 9	
14		R		263 36 53					13.8	-12.7				R		
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 57
 LINE No.(s) 71 PARTY No. 1184 DATE 16 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: CLEAR-MILD P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		H.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1													301.6			
2																
3	W	2475		89° 50' 12"					+4.0	-27.2	-23.2	278.4		Δ		
4		R		87° 31' 50"					+4.0	-27.2				R		
5																
6		1155		89° 52' 00"					+4.0		-1.3		277.16		SP 10	
7																
8		O							3.6		-5.6		272.8	T		GROUP
9																
10		165		83° 27' 25"					6.0	-9.9	-15.9		262.5		SP 11	
11																
12		1485		90° 35' 08"					+4.0		-19.2		259.2		SP 12	
13																
14	E	2805		90° 18' 55"					+4.0	-15.4	-19.3		259.1	O	SP 13	
15		R		86° 41' 30"					+4.0	-15.1				R		
16																
17																
18																
19																
20																

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AREA NPR-4 STATE OF PROVINCE ALASKA PAGE No. 58
 LINE No.(s) 71 PARTY No. 1184 DATE 16 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: CLEAR - MILD 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													259.1			
2																
3	W	1815		902446					+4.0	+13.1	+16.9	2760		Δ		
4		R		2693559					+4.0	+12.7				R		
5																
6		495		905925					-4.0		-12.6		263.4		SP 14	
7																
8		0							3.6		-5.6		270.4	κ		GROUP.
9																
10		825		903113					-4.0		-11.5		264.5		SP 15	
11																
12	E	2145		901245					-4.0	-8.0	-11.8		264.2	0	SP 16	
13		R		2694746					-4.0	-7.6				R		
14																
15	W	395		894913					+4.0	-1.2	+2.7	264.9		Δ		
16		R		27011-47					+4.0	-1.4				R		
17																
18		0							-5.5		-5.5		261.4	κ		N2-479
19																
20																

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AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 53
 LINE No.(s) 21 PARTY No. 1184 DATE 16 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND 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	Correction	Center Hair			INST.	ROD			
1													281.2			
2																
3	W	3135		90 07 28					+4.0	+6.8	+10.8	292.0		Δ		
4		R		88 52 37					+4.0	+6.7				R		
5																
6		1815		90 31 25					-4.0		-20.6		271.4		SP 3	
7																
8		495		92 01 40					-4.0		-21.5		270.5		SP 4	
9																
10		0							-5.5		-5.5		286.5	←		GROUP
11																
12		1320		89 25 56					-4.0		+9.1		301.1		SP 5	
13																
14	E	2640		89 19 36					-5.0	+31.0	+26.3		318.3	⊙	SP 6	N2-477
15		R.		87 04 00					-5.0	+31.5				R		
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 60
 LINE No.(s) 71 PARTY No. 1184 DATE 16 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: CLEAR - MILD 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												276.3				
2																
3		425	✓						4.0		-4.0		272.3		SP 21	
4																
5	E	1620	✓	90 00					-13.9		-13.8	✓	262.5	O		GROUP.
6		R	✓	270 00					-13.7					R		
7																
8	W	2970		90 17 45					4.0	+15.3	+18.9	✓	281.4	Δ		
9		R		269 48 11					14.0	+14.5				R		
10																
11		2805		90 36 08					-4.0		-33.5		247.9		SP 22	
12																
13		1485		90 58 20					-4.0		-29.2		252.2		SP 23	
14																
15		165		93 06 00		HR.	6.4	14.0	20.4		-29.3		252.1		SP 24	
16																
17		O							5.6		-5.6	✓	275.83	X		GROUP.
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 61
 LINE No.(s) 71 PARTY No. 1184 DATE 16 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: CLEAR MILD. 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												281.4				↑ NOTES WORKED BACK
2																
3	E	130	✓						3.5	-3.5	✓	275.4				
4									SEE LINE 43 PAGE 42							
5																INTERSECTION
6																OF L. 71 & 43 (GROUND)
7																TOP PIPE 3' ABOVE
8																GROUND.
9	SE	240	✓						3.6	-3.6		275.8				SP 159 LINE 43
10																
11		1155		901107					-4.0	-7.7		273.72			SP 25	
12																
13	E	2475		895933					-4.0	10.3	-3.5	277.9			SP 26	
14		R		2700851					-4.0	10.6				R		
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 62
 LINE No.(s) 21 PARTY No. 1184 DATE 16 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: CLEAR - MILD 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													277.9			
2																
3	W	2640		90 05 30					+4.0	+4.2	+8.3	286.2		△		
4		R		269 54 15					+4.0	+4.4				R		
5																
6		1320		90 25 20					-4.0		-13.7		272.50		SP	27
7																
8		0							6.0		-6.0		280.27	π	SP	28
9																
10		1320	✓			B	11.1	6.6	17.7		-17.7		268.50		SP	29
11																
12	E	2640	✓			B	10.2	13.2	23.4		-29.4		262.8	0	SP	30
13		CK		90 12 18					-14.0					CK		
14																
15	W	313.5		90 05 10					+4.0	+4.7	+8.6	276.4		△		
16		R		269 55 00					+4.0	+4.6				R		
17																
18		1815		90 07 57					-9.0		-13.2		258.27		SP	31
19																
20		495		90 36 20					-4.0		-9.2		262.16		SP	32

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 63
 LINE No.(s) 71 PARTY No. 1184 DATE 16 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: CLEAR - MILD. P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Δ B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												271.4				
2																
3		82.5	V						-8.0		-8.0		263.4			SP 33
4																
5	E	106.5		87.3444					-5.0	+45.0	+40.0		316.4	0		
6		R		87.2534					-5.0	+45.1				R		
7																
8	W	108.0		89.1104					+2.0	-15.4	-13.4		298.0	Δ		
9		R		87.5232					+3.0	-16.5				R		
10																
11		0							-5.7		-5.7		292.13	K	SP 34	
12																
13		132.0		89.4606					-4.0		+1.3		299.3		SP 35	
14																
15	E	148.5		88.5902					-7.0	+26.3	+25.4		323.4	0		GROUP.
16		R		87.0125					-7.0	+26.5				R		
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR - 4 STATE or PROVINCE ALASKA PAGE No. 64
 LINE No.(s) 71 PARTY No. 1184 DATE 16 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUNK WEATHER: 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													323.4			
2																
3	W	1980		90 53 18					+4.0	+30.7	+34.6	✓	358.0	Δ		
4		R		269 02 10					+4.0	+30.4				R		
5																
6		826		3036 25					+4.0		-22.7		335.38		SP	36
7																
8		O							-7.3		-7.3		350.7	κ	HZ	-482
9																
10	E	495		90 31 49					-4.0	-4.6	-8.6	✓	349.4	○	SP	37
11		R		269 28 36					-4.0	-4.5				R		
12																
13	W	2640		89 25 47					+4.0	-26.3	-22.4	✓	327.0	Δ		
14		R		270 34 29					+4.0	-26.5				R		
15																
16		1320		90 22 15					-4.0		-12.5		304.5		SP	38
17																
18		O							-6.0		-6.0		321.0	Δ	SP	39
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 65
 LINE No.(s) 71 PARTY No. 1184 DATE 16 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: 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												327.0				
2																
3		1320		90 13 15					-3.0		-9.1		317.9		SP	10
4																
5	E	2640	✓	90 20 00					-4.0		-3.8		323.2	○	SP	11
6		R		270 00 32					-4.0	+0.4				R		
7																
8	W	2805	✓			B	12.8	14.0	+26.8		+26.7	342.9		Δ		
9		R		269 44 35					+14.0	+12.6				R		
10																
11		1485		90 26 00					-4.0		-15.2		334.7		SP	42
12																
13		165		92 34 00					-4.0		-11.4		338.5		SP	43
14																
15		0							-6.0		-6.0		343.9	κ	N2	483
16																
17		1155		91 01 00					-4.0		-24.5		325.4		SP	44
18																
19	E	1530		89 25 06					-6.0	+15.5	+9.7		352.6	○	N2	484
20		R		270 25 33					-6.0	+15.8				R		

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AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 66
 LINE No.(s) 71 PARTY No. 1184 DATE 17 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: 3 Now. 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													359.6			
2																
3	W	440		87° 04'					+5.0	-22.3	-17.3	342.3		Δ		
4		R.		272 5430					+5.0	-22.3				R		
5																
6	W	101		90 23 29					0.0		-0.7	341.6				TOP OF PIPE.
7							GROUND			ELE	=	338.05			3.6	FT. ABOVE GROUND
8																
9		0							-5.6		-5.6	336.7		5	2	71 E 7XS
10																
11	N	91	✓						-5.5		-5.5	336.8				SP 57 - 7XS
12				RE: LINE 7XS PAGE 7								332.6		+	8.7	
13	S	1229		900429					-4.0		-5.6	336.7				SP 56 - 7XS
14				RE: LINE 7XS PAGE 7								312.8		+	5.8	
15	E	505		9016 36					-4.0		-6.4	335.9				SP 45 - 71
16																
17	E	1235		99 51 50					-4.0	+1.2	-2.8	339.5		0	30	46
18																
19	Δ	1115		89 43 28					-4.0						31	47
20				270 10 31					-4.0							

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AREA NPR - 4 STATE or PROVINCE ALASKA PAGE No. 67
 LINE No.(s) 71 PARTY No. 1184 DATE 17 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: SNOWING 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													339.5			
2																
3	W	2640		90 20 12					+4.0	+15.5	+19.3	358.8		Δ		
4		R		269 40 19					+4.0	+15.1				R		
5																
6		1320		90 46 44					-4.0		-21.9		336.9		SP	47
7																
8		0							-5.7		-5.7		353.16	X	SP	48
9																
10		1320		91 30 00					-14.4		-49.0		302.83		SP	49
11																
12	E	2640		90 30 00					-8.8	-23.0	-31.7		327.16	0	SP	50
13		R		269 30 00					-8.5	-23.0				R		
14																
15	W	885		92 31 08					+4.0	+36.3	+40.3	367.4		Δ		
16		R		267 23 47					+4.0	+36.3				R		
17		0												X		GROUP.
18		495		89 23 40					-2.0		+3.2		370.61		SP	51
19																
20																

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 68
 LINE No.(s) 71 PARTY No. 1184 DATE 17 Day 5 Mo 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: 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												367.4				
2																
3																
4	E	1320		89 14 21					-5.0	+17.5	+12.6		380.0	O	N2-	487
5		R.		270 46 07					-5.0	+17.7				R		
6																
7		O							+6.1		+6.1	386.1		Δ		
8																
9	E	495		30 00 05					-4.0	-0.0	-4.0		382.1	O	SP	52
10		R		269 59 53					-4.0	-0.0				R		
11																
12	W	2640		90 10 45					+4.0	+8.3	+12.3	394.4		Δ		
13		R		269 49 12					-4.0	+8.3				R		
14																
15		1320		91 19 00					+14.0		-44.3		350.1		SP	53
16																
17		O		91 20 00					-5.5		-5.5		388.9	R	SP	54
18																
19	E	1320		90 30 00					-14.0	-11.5	-25.4		369.0	O	SP	55
20		R		269 30 22					-14.0	-11.4				R		

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 69
 LINE No.(s) 71 PARTY No. 1184 DATE 17 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: SNOWING 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			INST.	ROD			
1												369.0			
2															
3	W	2145		892855					+4.0	-20.6	-16.6	352.4	Δ		
4		R		270 32 58					+4.0	-20.6			R		
5															
6		825		90 24 40					-9.0		-14.9	337.5.0		SP	56
7															
8		0							-5.7		-5.7	346.71.0	7		GROUP
9															
10		495		90 38 17					-4.0		-9.5	342.94		SP	57
11															
12	E	1815		90 11 18					-4.0	-6.0	-9.9✓	342.5	Q	SP	58
13		R		269 48 50					-4.0	-5.9			R		
14															
15	W	2370		90 16 45					+6.0	+11.5	+17.6✓	360.1.0	Δ		
16		R		269 43 07					+6.0	+11.6			R		
17															
18		1050		90 45 40					-4.0		-17.9	342.21		SP	59
19															
20		0							-5.7		-5.7	364.49	*		

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 70
 LINE No.(s) 71 PARTY No. 1184 DATE 17 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: SNOW - FOG 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	Correction			INST.	ROD			
1											360.1				
2															
3		270	V						-12.5	-12.5		347.6		SP	60
4															
5	E	1590		90 06 27					-4.0	-3.0	-7.0	353.1	Q	SP	61
6		R		269 53 47					-4.0	-2.9			R		
7															
8	W	2640		90 09 47					+4.0	+7.5	+11.5	364.6	Δ		
9		L		269 50 10					+4.0	+7.6			R		
10															
11		1320		90 28 49					-4.0	-15.1		344.5		SP	62
12															
13		0							-5.7	-5.7		358.9	X	SP	63
14															
15		1320		89 00 44					-4.0	+18.8		383.4		SP	64
16															
17	C	1215		87 50 00					-3.4	+68.6	+65.4	430.0	○		
18		R		272 10 00					-3.1	+68.6			R		
19															
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 71
 LINE No.(s) 71 PARTY No. 1184 DATE 17 Day 5 Mo. 75 Yr. BOOK No. 2
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: SNOW 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													430.0			
2																
3	W	823	✓	90 00 00		B	11.7	4.1	+15.8		+15.8	445.8		Δ		
4		R	✓	270 00 00		B	11.7	4.1	15.8					R		
5																
6		0							-6.1		-6.1	439.72		X	SP	65 N2-488
7		1320		89 50 08					-4.0		+0.2	445.6			SP	66
8	E	1854		89 50 08					-5.0	+5.6	+0.7	446.5		○		N2-489
9		R		270 10 12					-5.0	+5.9				R		
10																
11	W	3211		90 08 27					+5.0	+7.9	+12.6	459.1		Δ		
12		R		262 52 10					+6.0	+7.3				R		
13																
14		2580		90 15 20					-4.0		-15.5	443.6			SP	67
15																
16		1260		90 21 56					-4.0		-12.0	447.1			SP	68
17																
18		0							-5.7		-5.7	443.4		X	2 71 8	17X (GROUND ELEV. IN)
19																TOP OF PIPE 5.0 ABOVE GROUND.)
20																

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STADIA SURVEY NOTES

AREA NPR - 4 STATE or PROVINCE ALASKA PAGE No. 72
 LINE No.(s) 71 PARTY No. 1184 DATE 17 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LANE WEATHER: SNOW 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	Correction			INST.	ROD			
1											459.12				
2															
3	N	940	✓						-8.0	-8.0		451.11		SP	294 - 17X
4							RE: LINE 17X	SP 294		PAGE 53		452.9	+10.0		
5	S	380	✓						6.1	-6.1		453.0		SP	295 - 17X
6							RE: LINE 17X	SP 295		PAGE 53		454.40	+9.7		
7	E	60	✓						-6.4	-6.4		452.0		SP	69 - L-71
8															
9		1380		89 58 34					-4.0	-3.4		455.72		SP	70
10															
11	E	2700		89 57 02					-4.0	+2.3	-1.5	452.6	0	SP	71
12		R		270 03 28					-4.0	+2.7			R		
13															
14	W	2640		89 54 42					-8.0	-4.1	+3.8	456.4	Δ		
15		R		270 05 45					-8.0	-4.4			R		
16															
17		1320		89 54 15					-4.0	-1.8		459.16		SP	72 NR-491
18															
19		0							-5.7	-5.7		458.7	X	SP	73
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 73
 LINE No.(s) 71 PARTY No. 1184 DATE 17 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: SNOWING 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												466.4				
2																
3		1320		9406 14					-4.0		-98.2		363.27		SP	74
4																
5	E	2582		91 01 00					-4.0	-41.2	-45.1		416.3	○		TR. N2-493.
6		R		268 59 23					-4.0	-40.9				R		
7																
8	W	1383		86 40 56					+5.0	-80.0	-75.1		341.2		Δ	
9		R		273 12 18					+5.0	-80.1				R		
10																
11		1065		87 01 30					-11.0		+44.3		385.50		SP	75
12																
13		0							5.6		-5.6		335.61	X	N2-494	
14																
15		32	✓						-3.8		-3.8		337.4		SP	(GROUND.) (BUR. AT PIPE.)
16																TOP OF PIPE 3.4
17																ABOVE GROUND
18																PIPE OFF SET WEST.
19																SOUTH OF SP 76
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 74
 LINE No.(s) 71 PARTY No. 118A DATE 17 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR SPRAGUE RODMAN LUND WEATHER: SNOW 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												341.2				
2																
3		255		93.4125					-4.0		-20.9		320.3		SP 76	
4																
5	E	1740		87.1552					-5.0	+83.0	+78.0		419.2	O	#5 ES	
6		R												R		
7																
8	W	2310		91.0117					+5.0	+41.2	+46.0		465.2	Δ		
9		R		83.6217					+5.0	+40.8				R		
10																
11		1320		91.2600					-6.0		-39.0		426.2		#8 ES	
12																
13		0							3.6		-5.6		452.6	X	#12 ES	
14																
15	E	660		89.3250					-4.0		+1.2		466.4	O	#14 ES	E.O.L.
16																
17																
18																
19																
20																

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