

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY ALASKA BOOK NO. _____ PAGE 1 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY STADIA CLIENT HUSKY DATE 27 BY 11 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	 	STATION	VERTICAL					ELEVATION		L/R OR DI	HORIZONTAL RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS	
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST					ROD
			SLOPE 	HORIZ 										
1		BM. 800-94							2030.2		1	IRON - PIPE.		
2		SP. 505									2			
3											3			
4			1320		90-00	4.5	+ 2.5	2032.7			4			
5			✓		270-20	10.1	+ 2.4				5			
6		504	880		-	2.5			2030.2		6			
7		503	440		-	3.1			2029.6	E	7			
8		502	0		-	5.2			2027.5	-	8			
9		501	440		91-00	13.4	- 21.1	"	2011.6	W	9			
10		500	880		92-00	13.0	- 43.7		1989.0		10	FIRST SP.		
11			✓		267-50	10.4	- 43.6				11	L-743.		
12											12			
13		T.S. # 12	2145		90-48-20	4.0	- 34.2		1998.5		13			
14		T.S. # 22	3245		89-45-50	2.5	+ 10.9		2043.6		14			
15		T.S. # 23	3355		89-45-00	2.0	+ 8.6		2041.3		15			
16											16			
17											17			







TI-23471B





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SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. _____ PAGE 2 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 29 DY "11" MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 7196

LINE		STATION	VERTICAL						ELEVATION		LR OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			<input type="checkbox"/> FEET <input type="checkbox"/> METERS 											
1		BM. 800 94							2030.2			1		
2		505										2		
3												3		
4			1860		89-50	5.2	- 0.2	2030.0				4		
5			✓		270-20	10.6	- 0.2					5		
6		506	1425		-	3.2			2026.8			6		
7		507	985		-	7.0			2023.0			7		
8		508	545		-	7.9			2022.1			8		
9		509	105		-	6.6			2023.4			9		
10		BM. 800 93	0		-	5.5	- 5.5		2024.5			10		
11									2024.9			11		
12									- 0.4		TIE	12		
13												13		
14		510	335		-	4.0			2026.0			14	E	
15		511	775		-	5.4			2024.6			15		
16												16		
17												17		

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 SYMBOLS  = BACKSIGHT  = INSTRUMENT SET-UP  = SIDESHOT  = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. _____ PAGE 3 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 29 DY 11 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1184






LINE	 	STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST					ROD
				SLOPE 	HORIZ 										
1													1		
2		512	1215			-	11.1			2018.9			2		
3	D	513	1655			90 - 10	12.3	-	17.1	2012.7	2013.2		3		
4	CK		✓			269 - 55	15.0	-	17.4				4		
5	Δ		2200			91 - 40	10.6	+	74.6	2097.3			5		
6	CK		✓			268 - 10	4.4	+	74.7				6		
7		514	1760			267 - 30	10.5	-	87.2	2000.1			7		
8		515	1320			266 - 00	7.3	-	99.2	1999.1			8		
9		516	880			266 - 00	7.8	-	69.0	2019.3			9		
10		517	440			266 - 00	7.0	-	37.6	2049.7		✓	10		
11		518	0			-	5.4			2091.9		-	11		
12		519	440			86 - 50	2.1	+	22.2	2109.5		E	12		
13	O	520	880			86 - 50	12.5	+	36.0	2123.3	2129.1		13		
14	CK		✓			273 - 20	15.0	+	36.1				14		
15													15		
16													16		
17													17		

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK. BOOK NO. _____ PAGE 4 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 30 DY 11 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1182

LINE	  	STATION	VERTICAL						ELEVATION		L/R OR D/I	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS	
			DISTANCE	□ FEET METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST					ROD
				SLOPE 	HORIZ 										
1	○	520								2123.3			1		
2	△		1320		91-00	+12.3	+35.3	2158.6					2		
3	CK		✓		268-40	+4.7	+35.4						3		
4		521	880		268-40	6.2	-26.7			2131.9			4		
5		522	440		268-40	7.3	-17.5			2141.1		W	5		
6		523	0		-	5.4				2153.2		-	6		
7		524	440		88-20	5.2	+7.6			2166.2		E	7		
8	⊙	525	880		88-20	7.2	+19.4			2178.0	2179.1		8		
9	CK		✓		272-05	11.3	+19.4						9		
10	△		880		-	8.7	+8.7	2186.7					10		
11	CK		✓		270-20	13.8	+8.7						11		
12		526	440		-	6.5				2180.2		W	12		
13		527	0		-	5.4				2181.3		-	13		
14		528	440		-	12.6				2174.1		E	14		
15	⊙	529	880		91-20	14.2	-34.7			2152.0	2153.3		15		
16	CK		✓		268-34.54	13.0	-34.8						16		
17													17		

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK BOOK NO. _____ PAGE 5 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 30 BY 11 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	 	STATION	VERTICAL						ELEVATION		L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST					ROD
1		529								2152.0			1		
2			22.05			27-30	+7.0	-88.1	2063.9				2		
3			✓			272-40	+14.2	-98.0					3		
4		530	1760			272-00	-2.5	+58.9		2122.8			4		
5		531	1320			272-00	-4.4	+41.6		2105.5			5		
6		532	000			271-30	-3.0	+19.2		2083.1			6		
7		533	440			271-30	-2.3	+5.2		2069.1		W	7		
8		534	0			-	-5.3			2058.6		-	8		
9		535	440			90-30	-70.0	-13.8		2050.1		E	9		
10		536	000			90-30	-5.7	-13.4		2050.5			10		
11		537	1320			90-30	-11.6	-23.1		2040.8		2042.4	11		
12			✓			269-20	-7.7	-23.1					12		
13			1760			87-10	+7.3	-79.6	1961.2				13		
14			✓			273-00	+12.4	-79.6					14		
15		538	1320			273-00	-9.5	+59.5		2020.7			15		
16		539	000			272-30	-5.5	+32.8		1994.0			16		
17													17		

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLICK RIVER STATE/COUNTY AK BOOK NO. _____ PAGE 6 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 30 DY 11 MO 77 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1184

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> \odot	STATION	VERTICAL						ELEVATION		L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST					ROD
				SLOPE 	HORIZ 										
1										1961.2			1		
2		540	440			272-30	2.2	+ 11.0			1972.2		W	2	
3		541	0			-	5.3				1955.9		-	3	
4		542	440			93-00	6.4	- 29.4			1931.8		E	4	
5		543	880			92-00	14.5	- 45.2			1916.0			5	
6		544	1320			92-10	12.0	- 61.9			1899.3			6	
7		545	1710			92-10	12.0	- 78.5			1882.7			7	
8		546	2200			92-10	6.7	- 89.8			1871.4			8	
9	\odot	547	2640			91-50	14.4	- 98.8			1862.4	1864.6		9	
10	CK		✓			268-00	6.7	- 99.8						10	
11	Δ		2640			89-20	5.7	- 25.0	1837.4					11	
12	CK		✓			270-50	13.4	- 25.0						12	
13		548	2200			270-40	11.5	+ 14.1			1851.5			13	
14		549	1760			270-20	5.5	+ 4.7			1842.1			14	
15		550	1320			270-20	11.5	- 3.8			1833.6			15	
16		551	880			270-20	4.0	+ 0.3			1837.7			16	
17														17	

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 SYMBOLS Δ = BACKSIGHT ∇ = INSTRUMENT SET-UP SS = SIDESHOT \odot = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. _____ PAGE 7 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 30 DY 11 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ○	STATION	VERTICAL						HORIZONTAL			REMARKS		
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LR OR DI		RIGHT TURNED HORIZONTAL ANGLE	LINE
			SLOPE	HORIZ					INST	ROD				
1									1837.4			1		
2		552.	440		2.4				1835.0			2	W	
3	X	553	0		5.4				1832.0			3	-	
4		554	440		12.8				1824.6			4	E	
5	⊙	555	080	90-30	10.7	- 18.4			1819.0	1821.4		5		
6	CK		✓	269-20	8.1	- 19.3						6		
7	Δ		1320	88-50	12.0	- 20.9	1798.1					7		
8	CK		✓	271-20	9.9	- 20.8						8		
9		556	080	271-20	2.3	+ 12.2			1810.3			9		
10		557	440	271-20	10.2	+ 0.0			1798.1			10	W	
11		558.	0	-	5.3				1792.8			11	-	
12		559.	440	-	13.9				1785.1			12	E	
13		560.	080	90-30	14.6	- 22.3			1775.8			13		
14		561.	1320	89-40	5.4	+ 2.3			1805.4			14		
15	⊙	562.	1760	89-40	5.7	+ 4.5			1802.6	1805.6		15		
16	CK		✓	270-30	10.9	+ 4.5						16		
17												17		

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SYMBOLS

Δ = BACKSIGHT

⊎ = INSTRUMENT SET-UP

SS = SIDESHOT

○ = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. _____ PAGE 8 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 1 DY 12 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1196

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						ELEVATION		L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE 	HORIZ 										
1	⊙	562											1	
2	Δ		.000		-	+2.0	+2.0	1804.6					2	
3	Δ		✓		270 - 20	+7.1	+2.0						3	
4		563	440		-	4.5							4	W
5		564	0		-	5.3							5	-
6		565	440		90 - 20	7.1	- 10.2						6	E
7		566	880		90 - 20	8.5	- 13.6						7	
8		567	1320		90 - 20	7.2	- 14.9						8	
9	⊙	568	1760		90 - 20	8.4	- 18.6						9	1789.5
10	Δ		✓		269 - 50	13.4	- 18.5						10	
11	Δ		.810		.92 - 20	+71.1	+ 44.1	1830.1					11	
12	Δ		✓		267 - 50	+13.5	+ 44.1						12	
13		569	370		262 - 35.40	4.0	- 51.3						13	CREEK
14			0		-	5.2							14	-
15		570	55		-	4.2							15	E
16		571	495		00 - 00	2.1	+ 15.2						16	
17													17	

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SYMBOLS Δ = BACKSIGHT ⊠ = INSTRUMENT SET-UP SS = SIDESHOT ⊙ = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK. BOOK NO. _____ PAGE 9 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 1 DY 12 MO 79 YR
 SURVEYOR L. L. NAW INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1181

LINE	 	STATION	VERTICAL						ELEVATION		L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE	HORIZ										
1									1830.1			1		
2		572.	935	00-00	6.7	+ 25.9			1856.0		1859.8	2		
3			✓	272-10	9.4	+ 25.9						3		
4			1760	91-00	7.5	+ 38.2		1894.2				4		
5			✓	269-10	12.5	+ 38.1						5		
6		573.	1320	269-00	4.7	- 27.7			1866.5			6		
7		574.	000	269-00	6.4	- 21.8			1872.4			7		
8		575	440	269-00	7.5	- 15.2			1879.0			8	W	
9		576.	0	-	5.3				1888.9			9	E	
10		577.	440	09-00	6.3	+ 1.4			1895.6			10		
11		578.	000	09-00	10.7	+ 4.7			1898.9		1962.8	11		
12			✓	270-40	5.6	+ 4.6						12		
13												13		
14												14		
15												15		
16												16		
17												17		

WORKED BY L. L. NAW CHECKED BY 1ST _____ 2ND _____
 SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK. BOOK NO. _____ PAGE 10 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY. DATE 1 BY 12 MO 79 YR
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						ELEVATION		L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD					
			SLOPE 	HORIZ 											
1	⊙	578										1898.9		1	
2	Δ		000			-	+1.9	+1.9		1900.8				2	
3	CK		✓			270-20	+7.0	+1.9						3	
4		579	440			-	-2.7					1898.1		4	W
5		580	0			-	-5.3					1895.5		5	-
6		581	440			90-10	-14.6	-15.9				1894.9		6	E
7		582	000			91-20	-7.8	-29.3				1872.5		7	
8	⊙	583	1320			96-30	-2.9	-20.4				1880.4	1884.7	8	
9	CK		✓			269-20	-5.0	-20.4						9	
10	Δ		1320			89-00	+7.7	-15.3	1865.1					10	
11	CK		✓			271-10	+11.6	-15.3						11	
12		584	000			271-00	-7.1	+8.3				1873.4		12	
13		585	440			271-00	-7.0	+0.7				1865.8		13	W
14		586	0			-	-5.8					1859.3		14	-
15		587	440			-	-13.7					1851.4		15	E
16														16	
17														17	

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SYMBOLS Δ = BACKSIGHT ∇ = INSTRUMENT SET UP SS = SIDESHOT ⊙ = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. _____ PAGE 11 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 2 DY 12 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

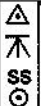


LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						ELEVATION		LR OR DR	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST					ROD
				SLOPE 	HORIZ 										
1													1		
2		588	820			90 - 20	11.2	-	16.3	1865.1			2		
3	⊙	B.M. 79402	940			90 - 20	11.7	-	17.2			1849.8	3		
4	Δ		✓			269 - 20	6.3	-	17.2			1847.9	4	1852.4	
5												1852.4	5		
6												-4.5	6	TIE	
7													7		
8													8		
9	Δ		820			80 - 30	10.2	-	13.3	1839.1			9		
10	Δ		✓			271 - 50	13.0	-	13.2				10		
11		589	440			272 - 00	7.5	+	7.8			1846.9	11	W	
12		590	0			-	5.3					1833.8	12	-	
13		591	440			92 - 00	14.5	-	29.8			1809.3	13	E	
14		592	800			92 - 00	13.2	-	43.9			1795.2	14		
15		593	1320			92 - 00	7.9	-	53.9			1785.2	15		
16	⊙	594	1760			91 - 40	10.5	-	61.7			1777.4	16		
17	Δ		✓			268 - 10	3.3	-	61.6				17		

WORKED BY L.J.L. CHECKED BY 1ST _____ 2ND _____

SYMBOLS Δ = BACKSIGHT Δ = INSTRUMENT SET-UP SS = SIDESHOT ⊙ = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER. STATE/COUNTY AK BOOK NO. _____ PAGE 12 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 2 DY 12 MO 79 YR
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE		STATION	VERTICAL						ELEVATION		LR OR DI	HORIZONTAL RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST					ROD
				SLOPE 	HORIZ 										
1	○	594.								1777.4			1		
2	△		1925			89.00	+10.1	-23.5	1753.9				2		
3	AK		✓			270-50	+4.5	-23.5					3		
4		595.	1485			270-50	-6.4	+15.2		1769.1			4		
5		596.	1045			270-50	-6.3	+8.9		1762.8			5		
6		597.	605.			270-50	-6.6	+2.2		1756.1			6		
7		598	165			-	-3.2			1750.7			7		
8	X		0			-	-3.3			1748.6			8		
9		599.	275.			94-05	-8.0	-27.1		1726.8			9		
10		599. OTUK	440			92-05	-14.5	-29.8		1724.1			10	RIVER.	
11		RIVER.											11		
12		600.	715.			91-05	-6.2	-18.7		1735.2			12		
13	○	601.	1150			-	-6.2	-6.2		1747.7			13	TP.	
14	AK		✓			270-20	-12.9	-6.2					14		
15													15		
16													16		
17													17		

WORKED BY L.J.L. CHECKED BY 1ST _____ 2ND _____

SYMBOLS  = BACKSIGHT  = INSTRUMENT SET-UP  = SIDESHOT  = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. _____ PAGE 13 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 2 BY 12 MO 39 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	 	STATION	VERTICAL						ELEVATION		LR OR DR	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST					ROD
1		601.								1747.7			1		
2			880		93-05	+11.5	+57.5	1805.2					2		
3			✓		266-50	+8.9	+57.4						3		
4		602.	440		267-00	10.3	-33.3			1771.7			4	S	
5		603.	0		-	5.2				1800.0			5		
6		604.	440		87-05	6.5	+16.5			1821.7			6	E	
7		605.	880		87-00	7.2	+39.4			1844.6			7		
8		606.	1320		87-10	10.5	+54.7			1859.9			8		
9			✓		273-00	7.4	+54.6						9		
10			2200		91-30	14.6	+72.2	1732.1					10		
11			✓		268-20	8.3	+72.3						11		
12		607	1760		260-20	7.5	-52.7			1873.4			12		
13		608.	1320		260-20	7.7	-45.1			1837.0			13		
14		609.	880		268-20	8.2	-33.8			1898.3			14		
15		610.	440		268-20	7.7	-20.5			1911.6			15	W	
16		611.	0		-	5.2				1926.8			16	-	
17													17	E	

WORKED BY L.J.L. CHECKED BY 1ST _____ 2ND _____
 SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP SS = SIDESHOT = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. _____ PAGE 14 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 3 BY 12 MO 77 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	 	STATION	VERTICAL						HORIZONTAL			REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LR OR DI		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE 					HORIZ 	INST				
1								1932.1				1		
2		612.	440		88-10	4.6	+ 9.5		1941.6			2		
3		613.	880		88-10	3.4	+ 24.7		1956.8			3		
4			1155		88-10	6.1	+ 30.8		1962.9			4	TP. 613 + 275	
5			✓		272-00	9.5	+ 30.8					5		
6			770		91-00	+10.2	+ 23.6	1981.5				6		
7			✓		268-40	+5.7	+ 23.6					7		
8		614	605		269-00	6.8	- 17.4		1969.1			8		
9		615	165		-	70.8			1975.7			9		
10			0		-	3.3			1981.2			10	TP. 615 + 165	
11		616.	275		-	9.2			1977.3			11		
12		617.	715		-	73.0			1983.5			12		
13		618	1155		-	72.0	- 12.0		1974.5			13		
14			✓		269-50	8.6	- 12.0					14		
15												15		
16												16		
17												17		

WORKED BY L. J. L. CHECKED BY 1ST _____ 2ND _____

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. _____ PAGE 15 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 3 BY 12 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL							ELEVATION		L/R OR DI	HORIZONTAL RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS. 	ROD RDG OR HI	ELEV DIFF 	FINAL ELEVATION DIFF	INST	ROD					
			SLOPE 	HORIZ 											
1	⊙	618.								1974.5			1		
2	Δ		1925		-	+10.1	+10.1	1784.6					2		
3	CK		✓		269-50	4.5	+10.1						3		
4		619.	1485		269-50	72.2	-16.5			1968.1			4		
5		620.	1045		269-50	75.0	-18.0			1966.6			5		
6		621.	605		269-00	70.9	-21.5			1963.1			6		
7		622.	165		-	70.5				1974.1		W	7		
8	⊗		6		-	5.3				1979.3		-	8		
9		623.	275		92-00	7.9	-16.5			1968.1		E	9		
10		624.	715		90-10	73.2	-15.3			1969.3			10		
11		625.	1155		90-40	71.8	-25.2			1959.4			11		
12		626.	1595		-	71.7				1972.9			12		
13	⊙	627.	2040		89-40	70.0	+1.9			1986.5			13		
14	CK		✓		270-10	4.0	+1.9						14		
15													15		
16													16		
17													17		

WORKED BY L.J.L. CHECKED BY 1ST _____ 2ND _____
 SYMBOLS Δ = BACKSIGHT ⊗ = INSTRUMENT SET-UP SS = SIDESHOT ⊙ = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. _____ PAGE 16 OF _____
 LINE/LOOP NO. 743 TYPE SURVEY _____ CLIENT HUSKY DATE 3 DY 12 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1191

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ○	STATION	VERTICAL						ELEVATION		L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE 	HORIZ 										
1	○	627							1986.5			1		
2	Δ		440		-	+3.3	+3.3	1989.8				2		
3	Δ		✓		270-10	+4.6	+3.3					3		
4		628	0		-	5.2			1984.6			4		
5		629	440		90-30	11.6	-15.4		1974.4			5		
6	○	630	880		59-00	5.9	+9.5		1999.3			6	LAST SP.	
7	Δ		✓		271-10	8.5	+9.4					7	EAST END.	
8												8	LINE 743.	
9												9		
10												10		
11												11		
12												12		
13												13		
14												14		
15												15		
16												16		
17												17		

WORKED BY L. L. CHECKED BY 1ST _____ 2ND _____
 SYMBOLS Δ = BACKSIGHT = INSTRUMENT SET-UP SS = SIDESHOT ○ = FORESIGHT