

# HORIZONTAL AND VERTICAL SURVEY NOTES

CORGET 41

GSI AREA KILLIK RIVER STATE/COUNTY ALASKA BOOK NO. \_\_\_\_\_ PAGE 1 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 15 DY 12 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	STATION	VERTICAL						ELEVATION		UR OR DI     	HORIZONTAL		REMARKS
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD		RIGHT TURNED HORIZONTAL ANGLE	LINE	
			\ / SLOPE	\ / HORIZ	\ / ANGLE	\ / HI	\ / DIFF	\ / DIFF						
1													1	
2	$\odot$	504							1506.8				2	FIRST SP.
3													3	NORTH END.
4	$\Delta$				-	2.0	+ 6.0	1506.8					4	
5													5	
6		TS # 12	1265		90-31-27	4.0	-7.4		1489.4				6	
7		TS # 24	2525		90-32-24	4.0	-28.4		1478.4				7	
8		TS # 36	3905		90-20-16	4.0	-27.0		1479.8				8	
9													9	
10													10	
11													11	
12		505	440			3.0			1501.8				12	
13		506	880		89-52-44	4.0	-2.1		1504.7				13	
14		507	1320		89-50	4.4	-0.6		1506.2				14	
15		508	1760		89-40	6.2	+ 4.0		1510.8				15	
16		509	2200		89-40	8.0	+ 4.8		1511.6				16	
17													17	

WORKED BY L.O.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS  $\Delta$  = BACKSIGHT  $\nabla$  = INSTRUMENT SET-UP SS = SIDESHOT  $\odot$  = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 2 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 15 DY 12 MO 77 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						ELEVATION		LR 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														
2		510	2640		29-31-40	70.0	+ 11.8		1506.8					
3			✓		270-33-44	74.0	+ 11.9							
4			1760		71-55	74.0	+ 44.7	✓	1563.3					
5			✓		268-50	70.0	+ 44.6							
6		511	1320		268-40	71.3	- 42.0							
7		512	880		268-40	77.7	- 30.2							
8		513	440		268-40	72.5	- 16.7						N	
9		514	0		-	75.2							-	
10		515	440		27-40	71.6	+ 6.3						S	
11		516	880		27-40	72.0	+ 23.8							
12		517	1320		27-40	74.7	+ 49.0							
13		518	1760		27-40	77.2	+ 64.4							
14		519	2200		27-40	77.0	+ 20.5							
15			✓		272-24	71.5	+ 20.5							
16														
17														

WORKED BY L. L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

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

## HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILUIK RIVER STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 3 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT MUSKY DATE 15 DY 12 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1182

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			L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE 					HORIZ 	INST				
1		519 -							1643.9			1		
2			440		91-00	12.9	+ 20.6	1664.4				2		
3			✓		268-30	9.0	+ 20.5					3		
4		520	0		-	5.1			1659.3			4	TP.	
5												5		
6		BM: 800.85	910		84-00	9.2	+ 90.6 <sup>90.2</sup>	1755.1		TD.	✓	6		
7			✓		275-40	3.5	+ 90.8			ELEVATION.		7		
8												8		
9												9		
10												10		
11		821.	440		90-30	2.6	- 10.4	1654.0				11		
12		522	000 000		91-00	11.1	- 26.5	1637.9				12		
13			✓		269-10	13.7	- 26.5					13		
14												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 \_\_\_\_\_ STATE/COUNTY \_\_\_\_\_ BOOK NO. \_\_\_\_\_ PAGE 4 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 15 DY 12 MO 99 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

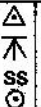





LINE	   	STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL		REMARKS
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD		RIGHT TURNED HORIZONTAL ANGLE	LINE	
				SLOPE 										
1		522							1637.9			1		
2			2640		11.4	- 57.7	1580.2					2		
3			✓		7.7	- 57.7						3		
4		523	2205		11.5	+ 39.7			1619.9			4		
5		524	1760		3.6	+ 27.1			1607.3			5		
6		525	1320		7.5	+ 13.5			1593.7			6		
7		526	880		3.4	+ 4.3			1584.5			7		
8		527	440		7.5				1578.7			N 8		
9		528	0		3.3				1574.9			- 9		
10		529	440		7.8				1570.4			S 10		
11		530	880		7.0				1568.2					
12		531	1320		7.5				1566.7					
13		532	1760		10.5	- 15.6			1564.6					
14		533	2205		9.9	- 16.3			1563.9					
15			✓		3.5	- 16.3								
16														
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 5 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 15 DY 12 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE		STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE
			SLOPE	FEET METERS					INST	ROD		
1		533							1563.9			
2			1320		-	+13.2	+13.2	1577.1				
3					269-40	5.5	+13.2					
4		534	880		269-50	14.0	-16.6		1560.5			
5		535	440		-	13.7			1563.4			
6		536			-	6.2			1570.9			
7		537	440		89-00	8.3	-0.6		1576.5		5.	
8		538	880		89-00	10.7	+4.7		1581.9			
9		539	1320		89-00	2.7	+20.3		1597.4			
10		540	1760		88-00	2.7	+58.7		1635.8			
11		541	2200		86-00	1.5	+151.6		1728.7			
12		TP.	2500		84-55-15	5.0	+215.5		1792.4	1792.5	TOP of HILL.	
13					275-16-54	14.0	+215.2					
14												
15												
16												
17												

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

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLICK RIVER STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 6 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 15 BY 12 MO 77 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> $\nabla$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	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	$\odot$	TP.							1792.4			1			
2	$\Delta$		1150		00-00	+10.0	-30.1	1762.3				2			
3	$\nabla$		✓		271-40	+3.3	-30.1					3			
4		542.	1040		271-40	5.8	+24.4		1786.7			4			
5		543.	605		267-00	7.8	-39.4		1722.7			5			
6		544.	145		261-00	9.6	-35.1		1727.2			N 6			
7		-	0		-	5.2			1757.1			- 7			
8	$\odot$	545	275		00-00	4.4	+5.2		1767.5	1767.7		S 8			
9	$\nabla$		✓		272-30	2.8	+5.2					9			
10	$\Delta$		1350		27-20	+7.4	-55.3	1712.2				10			
11	$\nabla$		✓		272-30	+3.5	-55.3					11			
12		546	935		267-00	72.5	-61.4		1650.8			12	$\nabla$		
13		547	495		264-17-30	4.0	-53.0		1659.2			13			
14		548.	55		258-10	4.0	-15.0		1697.2			N 14			
15	$\nabla$		0		-	5.2			1707.0			- 15			
16		549.	385		-	7.2			1703.0			S 16			
17	$\odot$		550		-	3.2	-3.2		1709.0	1709.3		17			

WORKED BY CK CHECKED BY 1ST 2ND \_\_\_\_\_  
 SYMBOLS  $\Delta$  = BACKSIGHT  $\nabla$  = 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. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 13 DY 12 MO 79 YR  
 SURVEYOR L. CTMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						ELEVATION		LR 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													1	
2													2	
3			1150		00-00	+7.8		- 32.3		1676.7			3	
4			✓		272-10	+11.2		- 32.2					4	
5		550	000		270-40	6.0		+ 4.2		1670.9			5	
6		551	440		-	7.3				1667.4			6	N
7		552	0		-	5.3				1671.4			7	-
8		553	440		21-00	7.0		- 14.7		1662.0		1662.4	8	S
9			✓		269-30	10.9		- 14.7					9	
10			22.55		00-50	+10.6		- 34.2		1627.8			10	
11			✓		271-15	+13.7		- 34.3					11	
12		554	1760		270-40	6.5		+ 14.0		1641.8			12	
13		555	1320		-	2.7				1625.1			13	
14		556	000		-	7.6				1618.2			14	
15		557	440		-	11.5				1616.3			15	N
16		558	0		-	5.4				1622.4			16	-
17													17	S

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

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. \_\_\_\_\_ PAGE 5 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 15 BY 12 MO 79 YR  
 SURVEYOR L. LITMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1184

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				
				SLOPE 										
1														
2		559.	440		29-10	2.2	- 1.8			1627.8				
3		560	880		29-10	12.4	+ 0.4	✓		1628.2		1628.7		S
4		✓	✓		270-55-5	14.0	+ 0.3							
5			2205		90-05-10	14.0	+ 17.3			1645.4				
6			✓		269-55-05	14.0	+ 17.1							
7		561.	1760		-	14.2								
8		562.	1320		-	11.0								
9		563.	880		-	7.2								
10		564.	440		-	7.2								N
11		565.	0		-	6.0								-
12		566.	440		-	4.8								S
13		567.	880		-	4.4								
14		568.	1320		-	2.2								
15		569.	1760		29-30	10.6	+ 4.8							
16		570	2205		29-30	7.0	+ 12.2					1658.0		
17		✓	✓		270-40	13.6	+ 12.0							

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



## HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA Willik. RIVER. STATE/COUNTY AK. BOOK NO. \_\_\_\_\_ PAGE 9 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 15 DY 12 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	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 										
1	$\odot$	570							1657.5			1		
2	$\Delta$		1320		92-10	+12.2	+62.1	1719.6				2		
3	CK				267-40	+2.4	+62.1					3		
4		571	000		267-40	+5.0	-50.8		1667.8			4		
5		572	440		267-40	+3.5	-31.4		1622.2			5	N	
6		573	0		-	+5.2			1714.4			6	-	
7		574	440		07-00	+14.5	+8.5		1727.1			7	S	
8		575	000		00-00	+8.1	+22.6		1742.2			8		
9		576	1320		07-00	+2.1	+60.9		1780.5			9		
10	$\odot$	BM. 80086	1505		06-20	+7.6	+83.6		1803.2			10		
11	CK				273-20	+3.5	+83.6					11		
12									1803.9			12		
13									0.7		TIE	13		
14												14		
15												15		
16												16		
17												17		

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 SYMBOLS  $\Delta$  = BACKSIGHT  $\nabla$  = INSTRUMENT SET-UP SS = SIDESHOT  $\odot$  = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 10 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 15 DY 12 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	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			RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST			
1	$\odot$	P.M. 10086							1803.9			1	
2												2	
3	$\Delta$		1540		86-00	7.8	- 97.4	1706.5				3	
4	$\Delta$		✓		273-50	5.4	- 97.3					4	
5		577	1320		261-50	12.0	- 15.8		1690.7			5	
6		578	880		-	13.9			1692.6			6	
7		579	440		-	7.8			1696.7		N	7	
8		580	0		-	5.2			1701.3		-	8	
9		581	440		-	2.8			1703.7		S	9	
10		582	880		89-30	2.3	+ 1.4		1707.9			10	
11		583	1320		89-30	10.0	+ 1.5		1708.0			11	
12		584	1760		89-30	9.0	+ 6.4		1712.9			12	
13		585	2200		89-30	4.6	+ 14.6		1721.1			13	
14	$\odot$	586	2640		89-04-12	15.0	+ 27.8		1734.2		1753.9	14	
15	$\Delta$		✓		270-55-20	15.0	+ 27.5					15	
16												16	
17												17	

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SYMBOLS  $\Delta$  = BACKSIGHT  $\nabla$  = INSTRUMENT SET-UP SS = SIDESHOT  $\odot$  = FORESIGHT

## HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 11 OF \_\_\_\_\_

LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 15 DY 12 MO 79 YR

SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	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										
1	$\odot$	586							1734.2			1		
2	$\Delta$		1760		90-20	+12.0	+22.2	1756.4				2		
3	CK		✓		269-30	+2.9	+22.3					3		
4		587	1320		269-40	+11.2	-18.9	1737.5				4		
5		588	880		269-40	+10.6	-15.7	1740.7				5		
6		589	440		-	+10.0		1746.4			N	6		
7		590	0		-	+5.2		1751.2			-	7		
8		591	440		-	+3.3		1753.1			S	8		
9		592	880		89-20	+8.3	+1.9	1758.3				9		
10		593	1320		89-20	+9.6	+5.6	1762.0				10		
11	$\odot$	594	1760		89-20	+11.3	+9.2	1765.6			1765	11		
12	CK		✓		270-44	+13.4	+9.1					12		
13												13		
14												14		
15												15		
16												16		
17												17		

WORKED BY L. L. L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS  $\Delta$  = BACKSIGHT  $\nabla$  = INSTRUMENT SET-UP SS = SIDESHOT  $\odot$  = FORESIGHT

## HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 12 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 15 DY 12 MO 71 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			L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE	HORIZ					INST	ROD			
1		574.							1765.6			1		
2			1760		90-30	+0.0	+23.4	1789.1				2		
3			✓		269-24	+5.2	+23.6					3		
4		595.	1320		269-40	72.8	-20.5		1762.6			4		
5		596.			269-40	70.8	-15.9		1773.2			5		
6		597.	440		-	9.7			1779.4		N	6		
7		598.	0		-	5.6			1783.5		-	7		
8		599.	440		89-05	7.4	+1.3		1790.4		S	8		
9		600			89-05	7.4	+8.0		1799.0	1796		9	6-764 SP. 105	
10			✓		221-10	70.0	+7.9	✓				10	743 SP. 558.	
11									1793.2			11	IRON PIPE.	
12									3.8	TIE.		12		
13												13		
14												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 WILLIK RIVER STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 13 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 5 DY 1 MO 80 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		UR OR DI	HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST		ROD	RIGHT TURNED HORIZONTAL ANGLE		LINE
				SLOPE	HORIZ										
1	⊙	± 714. SP. 000								1797.0			1	IRON - PIPE	
2		743. SP. 558											2		
3													3		
4	Δ		1320			-	+12.6	+12.6	1809.5				4		
5	CK					269-50	7.6	+12.4					5		
6		601	880			-	9.4			1800.1			6		
7		602	440			-	8.2			1801.3		N	7		
8		603	0			-	5.2			1804.3			8		
9		ITERIAK	270			-	5.7			1803.8		S	9		
10		CAK											10		
11		604	440			-	2.5			1807.0			11		
12		605	880			89-40	7.3	- 2.2		1807.3			12		
13		606	1320			89-20	6.8	+ 8.6		1812.1			13		
14		607	1760			89-20	10.9	+ 9.6		1819.1			14		
15		608	2200			89-20	2.8	+ 18.8		1828.3			15		
16	⊙	609	2640			89-10	10.4	+ 28.0		1837.7		1836.4	16		
17	CK					270-55-07	74.0	+ 28.3					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 14 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 5 DY 1 MO 80 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		L/R OR DJ		RIGHT TURNED HORIZONTAL ANGLE	LINE
			SLOPE 	HORIZ 					INST	ROD				
1	⊙								1837.7			1		
2	Δ		2640		91-13-56	74.0	+ 70.8	1908.4				2		
3	AK		✓		268-41-05	70.0	+ 70.6					3		
4		610	2200		268-40	79.4	- 60.6		1847.8			4		
5		611	1760		268-40	71.4	- 52.3		1856.1			5		
6		612	1320		268-30	72.0	- 46.5		1861.9			6		
7		613	800		268-30	72.5	- 35.5		1872.9			7		
8		614	440		268-30	71.6	- 19.1		1889.3			N 8		
9		615	0		-	5.2			1903.2			- 9		
10		616	440		88-05	2.2	+ 9.1		1917.5			S 10		
11		617	800		88-05	2.2	+ 24.5		1932.9			11		
12		618	1320		88-05	4.6	+ 41.4		1949.8			12		
13	⊙	619	1760		87-50	7.0	+ 57.5		1965.9		1964.3	13		
14	AK		✓		272-20	74.2	+ 57.4					14		
15												15		
16												16		
17												17		

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SYMBOLS

Δ = BACKSIGHT

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⊙ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 15 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 5 DY 1 MO 80 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. T2 CREW NO. \_\_\_\_\_

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		619								1965.9			1		
2			1320			91-05	+11.0	+34.0	1999.9				2		
3			✓			269-10	+14.9	+34.0					3		
4		620	890			268-30	9.0	-32.0		1967.9			4		
5		621	440			268-30	8.7	-20.2		1979.7			5	N	
6		622	0			-	5.3			1994.6			6	-	
7		BM. 00087	360			22-00	7.9	+4.7 ✓		2004.6			5	7	
8			✓			272-20	10.0	+4.6					8		
9										2002.6			9		
10								VERT. TIE		+2.0			10		
11													11		
12			960			90-20	12.4	+18.0	2020.5				12		
13			✓			269-30	+9.4	+17.8					13		
14		623	880			269-30	6.0	-11.5		2004.0			14		
15		624	440			-	7.8			2010.7			15	N	
16		625	0			-	5.3			2015.2			16	-	
17		626	440			-	5.5			2015.0			5	17	

WORKED BY L.J.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

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

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 16 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 5 BY 1 MO 80 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL			REMARKS		
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LR OR DR		RIGHT TURNED HORIZONTAL ANGLE	LINE
			SLOPE	HORIZ					INST	ROD				
1									2020.5			1		
2		627	880	-	2.6				2013.9		S	2		
3		628	1320	-	3.4				2015.1			3		
4		629	1760	-	70.6	- 10.6	10.9		2009.6		2009.3	4		
5			✓	270-05-50	74.2	- 11.2						5		
6			1320	90-40	74.4	+ 27.2		2039.2				6		
7			✓	269-05	72.5	+ 27.5						7		
8		630	880	269-20	72.4	- 38.0		2001.2				8		
9		631	440	269-05	73.0	- 20.7		2018.5			N	9		
10		632	0	-	5.2			2034.0			-	10		
11		633	440	-	7.8			2037.4			S	11		
12		634	880	-	7.3			2031.9				12		
13		635	1320	-	70.6	- 10.6		2028.7			2028	13		
14			✓	270-10	74.2	- 10.4						14		
15												15		
16												16		
17												17		

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SYMBOLS

= BACKSIGHT

= INSTRUMENT SET-UP

SS = SIDESHOT

= FORESIGHT



## HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 17 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 6 DY 1 MO 80 YR  
 SURVEYOR L. LMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1181

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	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 										
1	$\odot$	635										1		
2	$\Delta$		890		-	+10.3		+10.3	2032.9			2		
3	$\Delta$		✓		267-40	15.0		+10.1				3		
4		636	440		-	10.5			2028.4		N	4		
5		637	0		-	5.2			2033.7		-	5		
6		638	440		-	9.2			2029.7		S	6		
7		639	880		-	14.4			2024.5			7		
8		640	1320		-	7.2			2031.7			8		
9		641	1760		89-20	9.0		+11.5	2050.4			9		
10	$\odot$	642	2200		89-10	7.5		+24.5	2063.5		2062.5	10		
11	$\Delta$		✓		271-00	13.6		+24.8				11		
12	$\Delta$		2200		89-50	4.9		+0.5	2063.8			12		
13	$\Delta$		✓		270-20	12.9		+0.1				13		
14		643	1760		-	5.5			2058.3			14		
15		644	1320		-	5.5			2058.3			15		
16		645	880		-	11.1			2952.7			16		
17		646	440		-	7.8			2056.0			17		

WORKED BY L.P.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
 SYMBOLS  $\Delta$  = BACKSIGHT  $\Delta$  = INSTRUMENT SET-UP SS = SIDESHOT  $\odot$  = FORESIGHT

## HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 12 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 6 BY 1 MO 80 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						ELEVATION		LR 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									2063.8			N	1		
2		647	0			5.2				2058.6		-	2		
3		648	440			4.5				2059.3		S	3		
4		649	880			4.8				2059.0			4		
5		650	1320			29-40	2.1	+ 1.6		2065.4			5		
6		651	1760			89-40	8.4	+ 1.8		2065.6			6		
7		652	2200			89-40	9.9	+ 2.9	3.0	2066.8	2065.4		7		
8			✓			270-10	3.2	+ 3.2					8		
9			2200			70-40	4.5	+ 30.1	30.0	2096.8			9		
10			✓			269-30	10.7	+ 29.9					10		
11		653	1760			269-30	71.5	- 26.9		2069.9			11		
12		654	1320			269-30	70.0	- 21.5		2075.3			12		
13		655	880			269-30	70.6	- 18.3		2078.5			13		
14		656	440			-	70.6			2086.2		N	14		
15		657	0			-	5.4			2091.4		-	15		
16		658	440			89-20	7.5	+ 0.6		2097.4		S	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 19 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 6 DY 1 MO 80 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						ELEVATION		UR 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										2096.8			1		
2		659.	000		29-20	3.4	+ 6.8			2103.6			2	S.	
3		660.	1320		29-20	3.8	+ 9.1			2106.4			3		
4		661.	1760		29-20	8.3	+ 12.2			2109.0			4		
5	o	662.	2200		29-20	12.3	+ 13.3			2110.3		2108.6	5		
6	CK		✓		270-43-12	14.0	+ 13.7						6		
7	Δ		2200		91-00	13.9	+ 52.3		2142.4				7		
8	CK		✓		268-50	7.2	+ 52.0						8		
9		663	1760		268-40	2.6	- 47.5			2114.9			9		
10	o	664.	1320		268-40	7.0	- 37.7			2124.7			10		
11		665.	000		269-00	9.0	- 24.4			2138.0			11		
12		666.	440		-	15.0				2147.4			12	N	
13		667.	0		-	5.3				2157.1			13	-	
14		668.	440		00-30	7.0	+ 3.7			2166.1			14	S.	
15		669.	000		00-30	6.6	+ 16.4			2178.8			15		
16		670.	1320		00-00	5.4	+ 40.6			2203.0			16		
17													17		

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

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. \_\_\_\_\_ PAGE 20 OF \_\_\_\_\_  
 LINE/LOOP NO. 764. TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 1 BY 1 MO 80 YR  
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						ELEVATION		UR OR DI	HORIZONTAL		REMARKS
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD		RIGHT TURNED HORIZONTAL ANGLE	LINE	
				SLOPE										
1									2162.4				1	
2		671.	1760		27-30	5.7	+ 68.0		2230.4				2	
3		672.	2200		27-30	7.5	+ 88.4		2250.8				3	
4		BM 20082.	2428		27-30	10.7	+ 95.1		2257.7				4	
5			✓		27-34	13.1	+ 95.5		2255.6				5	
6									+ 2.1		VERTICAL.		6	
7											TIE.		7	
8													8	
9			650		-	7.5	+ 7.5	2263.1					9	
10			✓		270-20	11.2	+ 7.4						10	
11		673.	440		-	3.7			2259.4				11	
12		674.	0		-	5.3			2257.8				12	
13		675.	440		29-20	13.0	- 7.9		2255.2				13	
14		676.	880		29-20	13.2	- 3.0		2260.1				14	
15		677.	1320		29-20	10.5	+ 4.9		2268.0				15	
16		678.	1760		29-20	6.1	+ 14.4		2277.5				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 21 OF \_\_\_\_\_  
 LINE/LOOP NO. 714 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 68-DY 1 MO 79<sup>80</sup> 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			L/R OR D/I	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE 					HORIZ	INST			
1								2263.1			1		
2		679	2200		89-20	3.7	+ 21.9		2285.1		S	2	
3			✓		270-50	9.8	+ 22.2					3	
4			1760		91-20	7.0	+ 47.9	2332.9				4	
5			✓		268-50	11.9	+ 47.7					5	
6		680	1320		268-50	12.4	- 39.3		2293.6			6	
7		681	890		269-00	12.1	- 27.5		2305.4			7	
8		682	440		269-00	8.0	- 15.7		2317.2		N	8	
9		683	0		-	3.3			2327.6		-	9	
10		684	440		88-10	11.0	+ 3.1		2336.0		S	10	
11		685	980		88-10	7.8	+ 20.3		2353.2			11	
12		686	1320		88-10	6.2	+ 36.0		2368.9			12	
13		687	1760		88-10	7.4	+ 48.9		2391.8			13	
14		688	2200		88-10	11.1	+ 59.2		2392.3			14	
15			✓		271-40	4.4	+ 59.6					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 22 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 6 DY 1 MO 80 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						ELEVATION		LR OR DR	HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST		ROD	RIGHT TURNED HORIZONTAL ANGLE		LINE
				SLOPE	HORIZ										
1		288								2392.3			1		
2			280		-	+ 11.2	+ 11.8	2404.1					2		
3			✓		269-30	+ 4.0	+ 11.7						3		
4		679	440		-	7.5				2396.6		N	4		
5		670	0		-	5.3				2398.8		-	5		
6		691	440		-	5.5	- 5.5			2398.6		S	6		
7			✓		271-00	13.2	- 5.5						7		
8													8		
9													9		
10													10		
11													11		
12													12		
13													13		
14													14		
15													15		
16													16		
17													17		

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

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 23 OF \_\_\_\_\_  
 LINE/LOOP NO. 714 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 17 DY 1 MO 80 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 D/I	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 										
1	⊕	691							2398.6			1		
2												2		
3	Δ		1760		91-10	710.2	+46.0	2444.5				3		
4	⊕		✓		268-40	74.8	+45.7					4		
5		692	1320		268-40	7.8	-39.5		2405.0			5		
6		693	880		268-40	70.0	-30.5		2414.0			6		
7		694	440		268-40	7.2	-19.4		2425.1		✓	7		
8		695	0		-	5.4			2429.1		-	8		
9		696	440		88-40	2.0	+4.2		2448.7		S	9		
10		697	880		88-40	70.0	+10.5		2455.0			10		
11		698	1320		88-40	13.8	+16.9		2461.4			11		
12		699	1760		88-40	7.2	+31.7		2476.2			12		
13	⊕	705	2205		88-30	73.7	+43.9		2488.4			13		
14	⊕		✓		271-30-32	74.0	+43.9					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 \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 24 OF \_\_\_\_\_  
 LINE/LOOP NO. 744 TYPE SURVEY \_\_\_\_\_ CLIENT HUSK4 DATE 17 DY 1 MO 80 YR  
 SURVEYOR L. LTMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1196

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> $\nabla$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	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	$\odot$	700								2488.4			1	
2	$\Delta$		000			89-05	9.2	-6.2		2482.2			2	
3	$\nabla$		✓			271-10	+71.7	-6.2					3	
4		701	440			271-05	8.0	-0.3		2481.7			N 4	
5		702	0			-	5.8			2476.4			- 5	
6		703	440			90-30	13.5	-17.3		2464.9			S 6	
7		704	880			90-30	2.7	-14.4		2467.8			7	
8	$\odot$	705	1320			90-10	14.5	-18.3		2463.9			8	
9	$\nabla$		✓			269-40	70.6	-18.3					9	
10	$\Delta$		2205			91-05	713.7	+52.1		2516.0			10	
11	$\nabla$		✓			268-50	+7.2	+52.0					11	
12		706	1760			268-10	7.2	-63.5		2452.5			12	
13		707	1320			268-10	75.0	-57.2		2458.8			13	
14		708	880			267-30	71.1	-47.4		2466.6			14	
15		709	440			267-30	73.6	-32.8		2483.2			N 15	
16		710	0			-	5.3			2510.7			- 16	
17													S 17	

WORKED BY L. L. L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
 SYMBOLS  $\Delta$  = BACKSIGHT  $\nabla$  = INSTRUMENT SET-UP ss = SIDESHOT  $\odot$  = FORESIGHT



# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 25 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 17 DY 1 MO 8 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	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			L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	
				SLOPE 	HORIZ 					INST	ROD				
1													1		
2	$\odot$	711	440			87-50	7.1	+13.5		2529.5			S.	2	
3	CK		✓			273-10	7.7	+13.6						3	
4	$\Delta$		1320			92-00	71.3	+57.3		2586.7				4	
5	CK		✓			267-50	7.6	+57.8						5	
6		712	880			267-00	7.6	-53.6		2537.3				6	
7		713	440			267-00	7.3	-33.3		2553.6			N	7	
8		714	0			-	5.2			2581.7			-	8	
9		715	440			89-00	6.3	+1.4		2588.3			S.	9	
10		716	880			89-20	7.8	-1.6		2585.3				10	
11		717	1320			80-40	7.2	+23.5		2610.4				11	
12	$\odot$		1720			88-20	7.2	+48.8		2635.7				12	Rock.
13	CK		✓			272-00	7.2	+48.8						13	Knock.
14														14	
15														15	
16														16	
17														17	

WORKED BY L.G.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
**SYMBOLS**  $\Delta$  = BACKSIGHT     $\nabla$  = INSTRUMENT SET-UP    SS = SIDESHOT     $\odot$  = FORESIGHT

## HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA KILLIK RIVER STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 26 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 17 DY 1 MO 8 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1181

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										2635.7			1		
2			1050		89-30	+7.2	-2.0	2633.7					2		
3			✓		270-20	+4.1	-2.0						3		
4		718	1000		270-20	73.2	-7.4			2626.3			4		
5		717	560		266-00	8.3	-47.3			2586.4			5		
6		720	120		265-00	74.0	-24.4			2609.3		N	6		
7		-	0		-	3.2				2628.5		-	7	Rock. knol.	
8		721	320		94-00	5.4	-27.7			2606.0		S	8		
9		722	710		89-30	8.7	-2.1			2631.6			9		
10		723	1205		80-30	3.2	+28.2			2661.9	2661.2	10/11	10	Refer. PAGE 14	
11		724	1140		88-00	4.0	+53.2			2686.9	2686.2	10/11	11	LN-745.	
12			✓		272-10	-8.7	+53.3						12	VERTICAL TIE.	
13			880		92-00	+14.4	+45.1	2732.0					13		
14			✓		267-50	+11.8	+45.0						14		
15		725	440		218-00	70.1	-25.4			2706.6		N	15		
16		726	0		-	5.2				2726.8		-	16		
17		727	440		87-30	70.0	+9.2			2741.2		S	17		

WORKED BY L.D.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 27 OF \_\_\_\_\_  
 LINE/LOOP NO. 764 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 17 DY 1 MO 80 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		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE	FEET METERS										
1									2732.0			1		
2		728	890		88.00	70.3	+ 20.4		2752.4		S.	2		
3		729	1320		87-40	72.0	+ 41.7		2773.7			3		
4			✓		272-05	4.4	+ 41.6					4		
5			1320		92-20	79.5	+ 63.2		2836.9			5		
6			✓		267-50	78.4	+ 63.3					6		
7		730	800		267-50	78.2	- 41.4		2795.5			7		
8		731	440		267-50	70.0	- 26.6		2810.3		N.	8		
9		732	0		-	5.3	- 5.3		2831.6		-	9	IRON-PIPE,	
10		733	440		83-20	78.6	+ 42.1		2879.0		S.	10	LAST SP.	
11												11	SOUTH	
12												12	ROCKS & HILLS	
13												13		
14												14		
15												15		
16												16		
17												17		

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