

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHEGUK MTN. STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 1 OF \_\_\_\_\_  
 LINE/LOOP NO. 750 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 6 BY 3 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	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	○	BM. 20110									1994.2			2	← 750 / 741.
3		SP. 111												3	CN-758 = SP-111
4														4	CN-741 = SP-126 + 80
5	Δ		2250			89-20	+9.2	-16.4		1977.8				5	
6	CK		✓			270-47-40	+14.0	-16.5						6	
7		110	1760			270-20	6.4	+3.8		1981.6				7	
8		109.	1320			270-20	72.0	-4.3		1973.5				8	
9		100.	880			268-20	9.5	-35.1		1942.7				9	
10		107.	440			267-00	8.8	-31.8		1946.0				10	✓
11		106.	0			-	5.3			1972.5				11	-
12		105.	440			89-00	11.4	-3.7		1974.1				12	S
13		104.	880			89-00	7.8	+11.6		1989.4				13	
14	○	103.	1320			89-00	2.7	+16.3		1994.1		1992.6		14	
15	CK		✓			271-20	14.4	+16.3						15	
16														16	
17														17	

WORKED BY L.J.L. CHECKED BY 1ST L.J.L. / D.M. 2ND \_\_\_\_\_  
 SYMBOLS    Δ = BACKSIGHT    ⚓ = INSTRUMENT SET-UP    SS = SIDESHOT    ○ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 2 OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 6 DY 3 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 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	⊙	103.							1994.1			1		
2	Δ		7320			-	+5.7	+5.7	1999.8			2		
3	CK		✓			270-10	+9.5	+5.7				3		
4		102	000			-	3.4		1996.4			4		
5		101	440			-	4.0		1995.8		N	5		
6		100	0			-	5.3		1994.5		-	6	FIRST SP.	
7												7	SOUTH - END.	
8		T.S. # 12 (88)	1265			90-33-45	4.2	-16.6	1983.2		S	8		
9		T.S. # 24 (76)	2585			90-28-00	4.2	-25.3	1974.5		S	9		
10		T.S. # 36 (64)	3905			90-25-20	4.2	-33.0	1966.8		S	10		
11		T.S. # 48 (52)	5225			90-20-50	4.2	-35.9	1963.9		S	11		
12									15			12		
13	⊙	BM 80110	4840			89-59-27	3.2	-4.4	1995.4		N	13		
14	CK	± 758/741	✓			270-00-35	5.2	-4.4				14		
15									1994.2			15		
16									+1.2		VERTICAL	16		
17											TIE.	17		

TI-23471B

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

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHÉGUK MTN STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 3 OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 6 DY 5 MO 80 YR  
 SURVEYOR L. CTMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	 SS 	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		BM. 80110									1994.2			1	IRON PIPE
2		± 758 / 741												2	
3		111	2205		91-00	7.3	+ 45.7	2039.9						3	
4			✓		219-10	13.8	+ 45.8							4	
5		112	1760		269-00	14.6	- 45.3	1994.6						5	
6		113	1820		268-20	8.7	- 47.6	1992.8						6	
7		114	800		268-00	11.2	- 40.9	1999.0						7	
8		115	440		269-05	12.7	- 20.4	2019.5					5	8	
9		116	0		-	5.3		2034.6					-	9	
10		117	440		80-10	6.4	+ 7.7	2047.6					n.	10	
11		118	800		80-10	8.5	+ 19.6	2059.5						11	
12		119	1320		80-10	10.5	+ 31.7	2071.6						12	
13		120	1760		80-10	14.6	+ 51.7	2091.6						13	
14		121	2200		87-50	10.3	+ 72.8	2112.7						14	
15		122	2640		87-40	10.4	+ 97.0	2139.7				2135.2		15	
16			✓		272-25	13.8	+ 97.4							16	
17														17	

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

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

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 4 OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 6 DY 3 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	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LR OR DR		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1	⊙	122							2137.1			1		
2	Δ		1320		95-10	12.8	+131.2	2268.2				2		
3	CK		✓		264-40	8.7	+131.1					3		
4		123	880		264-10	9.2	-98.2		2170.0			4		
5		124	440		265-00	10.6	-48.8		2219.4			5		
6		125	0		-	5.2			2263.0			6		
7		126	440		86-20	8.4	+19.7		2287.9			7		
8		127	880		86-20	8.5	+47.7		2315.9			8		
9		128	1320		86-20	5.4	+78.8		2347.0			9		
10		129	1760		85-10	7.8	+143.0		2411.2			10		
11	⊙	130	2200		85-00	2.3	+188.7		2456.7	2455.0		11		
12	CK		✓		275-10	8.6	+188.7					12		
13	Δ		935		94-00	7.0	+72.1	2529.0				13		
14	CK		✓		266-20	7.4	+72.1					14		
15		131	495		266-20	7.4	-39.0		2490.0			15		
16		132	55		-	8.0			2521.0			16		
17		TP	0		-	5.3			2523.7			17		

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

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 5 OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 6 DY 3 MO 80 YR  
 SURVEYOR L. LTMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1196

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									2529.0			1		
2	○	BM. 80117	390		87-30	7.5	+ 9.1	✓	2538.1		2536.2	2		
3	CK		✓		273-10	11.8	+ 9.2					3		
4									2540.6			4		
5									- 2.5		VERTICAL TIE	5		
6												6		
7	Δ		450		91-00	12.0	+ 19.9		2558.0			7		
8	CK		✓		268-20	16.8	+ 19.9					8		
9		133	440		268-20	7.7	- 20.5		2537.5			5	9	
10		134	0		-	8.2			2552.8			-	10	
11		135	440		95-00	7.5	- 44.7		2513.3			N	11	
12	○	136	880		95-30	14.7	- 98.7		2459.4		2957.5		12	
13	CK		✓		214-27-50	14.0	- 98.5						13	
14													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 \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 6 OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT MUSKY DATE 6 DY 3 MO 80 YR  
 SURVEYOR L. LTMAN 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			
1		136							2459.4			1	
2			1330		78-30	7.1	-	251.7	2207.8			2	
3			✓		251-40	72.0	-	251.4				3	
4		137	880		277-30	7.0	+	107.9	2315.7			4	
5		138	440		277-05	3.0	+	45.2	2253.0		S.	5	
6		139	0		-	5.2			2202.6		-	6	
7		140	440		98-05	8.8	-	69.4	2138.4		N.	7	
8			605		98-05	7.1	-	91.8	2115.9	2113.9		8	
9			✓		262-20	72.6	-	91.9				9	
10			2040		82-20	72.0	-	267.7	1848.4			10	
11			✓		278-05	713.9	-	267.3				11	
12		141	1760		277-05	2.0	+	210.9	2059.3			12	
13		142	1320		275-05	3.5	+	111.1	1959.5			13	
14		143	880		275-05	12.2	+	64.2	1912.6			14	
15		144	440		274-05	3.4	+	25.2	1873.6		S.	15	
16		145	0		-	5.2			1843.2		-	16	
17		146	440		93-30	70.2	-	37.0	1811.4		N.	17	

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 7 OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 6 DY 3 MO 10 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	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									1848.4			1		
2		147.	220		93-30	8.4	-	12.0		1786.4		N	2	
3		148.	1320		93-30	4.1	-	24.5		1763.9			3	
4		149.	1760		93-10	11.5	-	108.6		1739.8			4	
5		150.	2200		93-10	8.8	-	130.1		1718.3			5	
6	$\odot$	151.	2640		73-10	6.3	-	151.9, 152.1		<del>1696.3</del>	1694.2		6	
7	CK		✓		266-59-40	14.0	-	152.2					7	
8	$\Delta$		2200		89-00	7.1	-	31.3	1665.0				8	
9	CK		✓		271-10	13.5	-	31.3					9	
10		152.	1760		270-40	9.8	+	10.7		1675.7			10	
11		153.	1320		-	12.3				1652.7			11	
12		154.	820		267-20	12.0	-	52.9		1612.1			12	
13		155.	440		267-20	13.0	-	33.4		1631.6		S	13	
14		156.	0		-	3.2				1659.8		-	14	
15		157.	440		07-00	3.1	+	17.9		1682.9		N	15	
16		158.	820		07-00	8.4	+	37.6		1702.6			16	
17													17	

WORKED BY LJL 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 8 OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 6 DY 3 MO 80 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186





LINE	  	STATION	VERTICAL							HORIZONTAL		LINE	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	ROD				
1										1668.0			1		
2		159	1320			87-00	10.1	+ 58.9 ✓		1723.9		1721.8 N.	2		
3			✓			272-50	6.2	+ 59.0					3		
4			1760			95-00	72.5	+ 104.5		1828.4			4		
5			✓			266-50	7.4	+ 104.5					5		
6		160	1320			266-50	11.6	- 84.4		1744.0			6		
7		161	880			267-00	7.7	- 53.7		1774.7			7		
8		162	440			267-05	5.8	- 28.8		1797.6			5. 8		
9		163	0			-	3.3			1823.1			- 9		
10		164	440			86-05	6.5	+ 24.1		1852.5			N. 10		
11		165	880			86-00	9.6	+ 51.6		1880.0				11	
12		L-758/737	1160			86-00	8.5	+ 72.2		1900.6		1898.4	12	IRON-PIPE	
13			✓			274-10	11.8	+ 72.3					13		
14		L-758 = SP. 165 + 277											14		
15		L-737 = SP. 248 + 314											15		
16													16		
17													17		

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



# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHEGUK MTN. STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 9 OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 7 DY 3 MO 80 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	SS ⊕	STATION	VERTICAL							HORIZONTAL		REMARKS		
			DISTANCE	FEET	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		L/R OR DI		RIGHT TURNED HORIZONTAL ANGLE	LINE
				METERS					INST	ROD				
		SLOPE 	HORIZ 											
1	⊕	← 758 / 737								1900.6			1	
2													2	
3	Δ					+5.2	+5.2	1905.8					3	
4	CK												4	
5													5	
6		SP 249 CN 737	126		89.00	7.2	-2.0			1903.8			6	
7										1903.8	VERTICAL TIE		7	PL. PAGE 18. CN 737
8	⊕	166.	163		86-20	7.3	+6.6			1972.5	1903.1 (ADJUSTED)		8	249 L. 737
9	CK		✓		276-00	10.5	+6.4				1910.2		9	
10	Δ		880		95-20	11.4	+92.8	2005.1					10	
11	CK		✓		264-30	7.9	+92.9						11	
12		167	440		264-30	13.4	-55.4			1949.7			12	S.
13		168.	0		-	5.2				1999.9			13	
14		169.	440		80-30	5.1	+66.5			2071.6			14	N.
15		170.	890		80-00	6.3	+145.9			2151.0			15	
16		171.	1340		79-30	8.4	+231.7			2236.8			16	
17													17	

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

SYMBOLS

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. \_\_\_\_\_ PAGE 10 OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT HUKKY DATE 7 DY 3 MO 80 YR  
 SURVEYOR L. L. MAN. 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									2005.1			1		
2		172	1780			77-30	7.5	+268.6		2373.7		N	2	SKIP.
3		173	2250			75-00	6.2	+556.3		2561.4			3	SKIP
4			2600			73-50	7.1	+294.2	+273.2	2699.9		2697.0	4	TOP of HILL
5			✓			286-14-46	5.0	+673.3					5	
6			410			103-00	10.7	+100.6		2799.2		5	6	
7			✓			256-20	5.9	+100.0					7	
8		174	240			254-00	10.0	-73.6		2725.6			8	SKIP.
9		BM 80 123	0			-	5.2	-5.2		2794.0			9	
10										2792.2			10	
11										+1.8		VERTICAL	11	
12												TIE.	12	
13													13	
14													14	
15													15	
16													16	
17													17	

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

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. \_\_\_\_\_ PAGE 11. OF \_\_\_\_\_  
 LINE/LOOP NO. 758. TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 7 DY 3 MO 80 YR  
 SURVEYOR L. L. L. MAN. INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL							HORIZONTAL		LINE	REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LIR OR DIR			RIGHT TURNED HORIZONTAL ANGLE	
				SLOPE					HORIZ.	INST					ROD
1	⊙	BM. 80123										2792.2		1	
2														2	
3	Δ		0		-	+ 5.2	+ 5.2	2797.4						3	-
4	⊙	175	200		88-30	2.0	+ 3.2					2800.7	2801.6	4	N
5	⊙		✓		273-00	7.1	+ 3.4							5	
6														6	
7	Δ		3245		86-57-14	+ 15.0	- 157.2	2643.8						7	
8	⊙		✓		273-02-10	+ 25.0	- 156.6							8	
9		176	<del>2200</del>		273-00	10.0	+ 136.3					2780.1		9	✓
10		177	2365		272-20	5.6	+ 90.6					2734.4		10	
11		178	1925		271-20	4.8	+ 40.0					2683.8		11	
12		179	1485		-	3.2						2640.0		12	
13		180	1045		269-30	14.5	- 23.6					2620.2		13	
14		181	605		269-30	10.1	- 15.4					2628.4		14	
15		182	125		-	6.3						2637.5		15	S
16		TP.	0		-	5.2						2638.6		16	
17														17	N

WORKED BY L. L. 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 12 OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT NUCKY DATE 7 DY 3 MO 80 YR  
 SURVEYOR L. L. MAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	 SS  C	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									2643.8			1	
2		183.	275		94-00	8.1	- 27.2		2616.6			2	
3		184.	715		94-20	5.6	- 59.5		2584.3			3	
4	⊙	BM 80129.	1090		94-00	11.4	- 87.2		2556.5		2556.3	4	IRON-PIPE.
5	CK		✓		265-40	5.2	- 87.3 ✓					5	
6		± 758 / 735.							2557.2			6	
7		(EN 758 = SP. 184 + 370)							- 0.7		VERTICAL	7	
8		(WN 735 = SP. 128 + 324)									TIE.	8	
9	△		950		83-30	10.4	- 98.5	2458.8				9	
10	CK		✓		276-21	12.0	- 98.4					10	
11		185.	880		276-20	5.7	+ 90.8		2549.6			11	
12		186.	440		276-20	9.0	+ 39.2		2498.0			12	S.
13		187	0		-	5.2			2453.6			13	-
14		188.	440		-	9.2			2449.6			14	N.
15		189.	880		89-00	1.6						15	
16	⊙	189	880		89-00	2.4	+ 13.0		2471.7			16	
17	CK		✓		271-27-25	10.0	+ 12.9 ✓					17	

TI-23471B

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

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

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHGUK MTN. STATE/COUNTY AK. BOOK NO. \_\_\_\_\_ PAGE 13. OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 7 DY 3 MO 80 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		189							2471.7			1	
2			880		89-35-30	70.0	+ 3.7	2475.5				2	
3			✓		270-00	+ 3.0	+ 3.8 ✓					3	
4		190	440		-	3.0			2472.5			S. 4	
5		171	0		-	3.2			2470.3			- 5	
6		192	440		-	10.2			2465.3			N. 6	
7		193	880		-	0.1	- 2.1		2467.4			7	
8			✓		270-10	70.7	- 2.1					8	
9			1320		-	+ 8.2	+ 8.2	2475.7				9	
10			✓		270-10	+ 12.2	+ 8.4					10	
11		194	880		-	7.0			2468.7			11	
12		195	440		-	5.0			2470.7			S. 12	
13		196	0		-	5.2			2470.5			- 13	
14		197	440		90-30	11.5	- 15.3		2460.3			N. 14	LAST SP.
15			✓		269-00	7.7	- 15.4 ✓					15	NORTH END.
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 AK. BOOK NO. \_\_\_\_\_ PAGE 14 OF \_\_\_\_\_  
 LINE/LOOP NO. 758 TYPE SURVEY \_\_\_\_\_ CLIENT HUSKY DATE 7 DY 3 MO 80 YR  
 SURVEYOR L. L. MAP. INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="radio"/> $\Delta$ <input type="radio"/> SS <input type="radio"/> $\odot$	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 DIA		RIGHT TURNED HORIZONTAL ANGLE	LINE
			SLOPE	HORIZ				INST	ROD					
1	$\odot$	197 -											1	
2	$\Delta$	0	1265		99-00	5.6	-16.5	2443.8				S	2	
3		T.S. # 12(209)	0		-	5.2		2438.6				-	3	
4	$\odot$	T.S. # 24(221)	1320		96-37-10	10.0	-24.3	2419.5				N	4	
5	$\Delta$	0	550		88-41-10	15.0	+2.4	2421.9				S	5	
6		T.S. # 29(226)	0		-	5.2		2416.7				-	6	
7	$\odot$	T.S. # 36(233)	770		90-22	2.0	-10.9	2411.0				N	7	
8													8	
9													9	
10													10	
11													11	
12													12	
13													13	
14													14	
15													15	
16													16	
17													17	

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