







HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHEGUK MTN. STATE/COUNTY AK. BOOK NO. _____ PAGE 1 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY. DATE 27 DY 2 MO 8 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				
			SLOPE 	HORIZ 										
1												1		
2	D	BM. 20128									2263.2		2	
3		SP. 101											3	
4													4	
5	A		10.50		88-30	7.3		- 20.2		2243.1			5	
6	W		✓		271-40	+10.5		- 20.0					6	
7		100	60.5		272-00	10.8		+ 10.3		2253.4		W	7	FIRST SP.
8													8	EAST. END.
9													9	LINE 735.
10		T.S. # 6 (9A)	0		-	5.2				2237.9		-	10	
11		T.S. # 12 (8B)	660		93-10-33	4.2		- 40.7		2202.4		E	11	
12		T.S. # 24 (76)	1990		91-45-26	4.2		- 64.9		2178.2			12	
13		T.S. # 36 (6A)	3300		90-51-00	4.2		- 53.1		2190.0			13	
14		T.S. # 48 (52)	4620		90-24-50	4.2		- 37.6		2206.5	2205.9		14	
15													15	
16													16	
17													17	

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

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

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK. BOOK NO. _____ PAGE 2 OF _____
 LINE/LOOP NO. 735. TYPE SURVEY _____ CLIENT HUSKY. DATE 27 DY 2 MO 8 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	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. 80128										1	IRON-PIPE.	
2		SP. 101										2		
3												3		
4	Δ		880		91-20	72.4	+ 32.7	2296.1				4		
5	CK		✓		268-10	74.8	+ 32.2					5		
6		102	440		269-00	71.7	- 19.4					E 6		
7		103	0		-	5.3						- 7		
8		104	440		88-30	72.0	- 0.5					✓ 8		
9		105	880		88-30	70.6	+ 12.4	2308.5				9		
10		106	1320		88-30	7.0	+ 27.5	2323.6				10		
11		107	1760		88-30	70.7	+ 35.4	2331.5				11		
12	⊙	108	2200		88-30	7.0	+ 51.6	2347.4			2347.6	12		
13	CK		✓		271-40	72.9	+ 51.1					13		
14	Δ		1760		73-20	72.3	+ 114.7	2462.0				14		
15	CK		✓		266-43	74.0	+ 114.6					15		
16		109	1320		266-20	79.3	- 93.5	2368.5			2371.4	16		
17		110	880		266-20	71.5	- 67.7	2394.3				17		

WORKED BY L.J.C. 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 3 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY DATE 27 DY 2 MO 8 YR
 SURVEYOR L. L. MAN. 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		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														1		
2		111	440			260-00	14.1	- 29.9			2462.0				2	
3		112	0			-	5.3								3	
4		113	440			00-00	3.2	+ 12.1							4	
5		114	880			00-00	2.0	+ 24.7							5	
6		115	1320			00-00	6.4	+ 39.6							6	
7	⊙	116	1760			00-00	7.4	+ 52.0					2513.9	2514.4	7	
8	Δ		✓			272-08-45	14.0	+ 51.7	✓						8	
9	Δ		1320			90-40	19.7	+ 25.3	✓		2539.3				9	
10	Δ		✓			229-30	14.0	+ 25.5	✓						10	
11		117	880			-	15.3						2524.0		11	
12		118	440			-	9.0						2530.3		12	E
13		119	0			-	5.3						2534.0		13	-
14		120	440			-	8.0						2531.3		14	W
15		121	000			-	6.6						2532.7		15	
16		122	1320			29-30	9.0	+ 2.5					2541.8		16	
17															17	

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 4 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT Husk9. DATE 27 DY 2 MO 80 YR
 SURVEYOR L. LAMAN 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		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE	HORIZ										
1												1		
2	⊙	123.	1760		89-30	4.8	+ 10.6 ✓		2549.9		2550.5 w	2		
3	CK		✓		270-40	9.8	+ 10.7					3		
4	Δ		1760		89-00	9.4	- 21.3	2528.7				4		
5	CK		✓		271-10	14.7	- 21.1					5		
6		124.	1320		270-30	3.4	+ 8.1		2526.8			6		
7		125.	870		-	2.7			2520.0			7		
8		126.	440		-	7.0			2519.7			E 8		
9		127.	0		-	5.3			2523.4			- 9		
10		128.	440		87-40	4.9	+ 13.1		2541.8			w. 10		
11	⊙	BM. 80129.	764		87-40	3.2	+ 27.7 ✓		2556.6			11		
12	CK		✓		273-00	12.1	+ 27.8					12		
13									2557.2			13		
14									- 0.6		VERTICAL	14		
15											TIE.	15		
16												16		
17												17		

WORKED BY L.G.C. 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 5 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY DATE 27 DY 2 MO 80 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1171

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 	HORIZ 										
1	<input type="checkbox"/> ⊙	BM 80129								2557.2			1		
2													2		
3	<input type="checkbox"/> Δ		2750		86-30	+1.8	-160.8	2396.6					3		
4	<input type="checkbox"/> CK		✓		273-40	+15.0	-160.5						4		
5		129.	2640		273-30	10.7	+150.2			2546.8			5		
6		130	2200		272-00	3.0	+73.7			2470.3			6		
7		131.	1760		270-40	5.8	+14.7			2411.3			7		
8		132.	1320		270-10	2.6	+1.2			2397.7			8		
9		133.	880		-	2.6				2390.0			9		
10		134.	440		-	11.7				2384.9		E.	10		
11		135.	0		-	3.2				2391.4		-	11		
12		136.	440		-	12.6				2384.0		W.	12		
13		137.	880		-	11.2				2385.4			13		
14		138.	1320		89-00	12.2	+10.8			2407.4			14		
15		139.	1760		88-30	8.2	+37.9			2434.5			15		
16		140.	2200		88-10	6.0	+64.3			2460.9			16		
17													17		

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

SYMBOLS

Δ = BACKSIGHT

⊕ = INSTRUMENT SET-UP

SS = SIDESHOT

⊙ = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK BOOK NO. _____ PAGE 6 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY DATE 27 DY 2 MO 80 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	<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									2396.6				1	
2		141.	2640		88-05	5.6	+ 86.54		2483.0		2482.6		2	
3			✓		272-10	13.4	+ 26.3						3	
4			1045.		91-20	72.3	+ 37.1	2520.1					4	
5			✓		268-30	+ 9.2	+ 37.1						5	
6		142.	605.		268-30	72.5	- 28.3		2491.8				6	
7		143.	165		-	9.0			2511.1			F	7	
8			0		-	3.2			2514.9			✓	8	
9		144.	275.		-	14.2			2505.9				9	
10		145.	715		92-20	11.1	- 40.2		2479.9				10	
11		146.	1155		92-05	7.6	- 46.9		2473.2				11	
12		147.	1595		91-10	8.8	- 41.3		2478.8				12	
13		148.	2035		90-50	2.8	- 32.4		2487.7				13	
14		147.	2475.		90-10	13.2	- 20.4		2499.7				14	
15		150.	2915		90-10	2.3	- 10.8		2509.3				15	
16		151.	3355.		89-30	5.3	+ 24.0		2544.1				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 7 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY DATE 27 DY 2 MO 80 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1176

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									2520.1			1		
2	⊙	BM. 80130	3567		89-20	3.9	+ 25.6		2555.7			2		
3	CK		✓		270-47-47	14.0	+ 35.6					3		
4									2555.3			4		
5									+0.4		VERTICAL TIE.	5		
6												6		
7	Δ		37		-	7.9	+ 7.9	2563.2				7		
8	CK		✓		273-10	10.0	+ 8.0					8		
9			0		-	3.0			2558.2			9	TOP of cliff.	
10		152.	190		114-10	14.3	- 85.3		2477.9			10	SKIP.	
11	⊙	153.	620		104-00	7.2	- 154.7		2408.7		2407.2	11	SKIP.	
12	CK		✓		255-40	3.5	- 154.2					12		
13	Δ		2540		79-20	7.5	- 454.5	154.2	1954.5			13		
14	CK		✓		280-50	+15.0	- 453.7					14	Rock	
15		154.	2200		278-20	8.5	+ 307.0		2261.5			15	SKIP cliff.	
16		155.	1760		277-20	8.5	+ 214.3		2168.8			16	SKIP.	
17		156.	1320		276-30	3.5	+ 145.0		2099.5			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 8 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY. DATE 28 DY 2 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	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												1		
2		157	220		276-00	2.5	+ 85.0		1954.5			2	Rock.	
3		158.	440		274-30	4.0	+ 30.4					3		
4		159.	0		-	3.2						4	ROCKS.	
5		TP.	241		96-00	11.0	- 36.1					5	TP.	
6	⊙	160	440		96-00	8.0	- 53.7					6		
7	⊙		✓		264-30	11.9	- 53.9					7		
8	Δ		2200		96-20	5.0	- 135.4	1765.5				8		
9	⊙		✓		273-50	11.7	- 135.1					9		
10		161	1760		273-30	6.3	+ 100.9					10		
11		162	1320		273-30	6.1	+ 74.3					11		
12		163.	800		273-00	6.0	+ 40.0					12		
13		164.	440		273-00	3.2	+ 17.8					13		
14		165.	0		-	3.2						14		
15		166.	440		98-00	12.7	- 35.7					15		
16		167.	800		93-00	8.1	- 54.1					16		
17		168.	1320		93-00	8.6	- 77.6					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 9. OF _____
 LINE/LOOP NO. 735. TYPE SURVEY _____ CLIENT HUSKY. DATE 28 DY 2 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		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														
2	⊙	169.	1760		92-50	8.2	- 95.1							
3	⊙		✓		267-20	13.5	- 95.3							
4	Δ		2640		27-10	+12.2	- 117.7							
5	⊙		✓		272-51-30	+14.0	- 117.5							
6		170.	2200		272-30	4.0	+ 91.9							
7		171.	1760		272-30	8.5	+ 68.2							
8		172.	1320		272-30	7.7	+ 49.8							
9		173.	800		272-30	6.7	+ 31.6							
10		174.	440		272-30	3.1	+ 11.1							E 10
11		175.	0		-	3.2								- 11
12		176.	440		91-00	9.8	- 17.5							W 12
13		BM. 80131.	452.		91-00	10.4	- 18.3							
14	⊙		✓		269-20	13.0	- 18.3							
15														
16														
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 10 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY DATE 28 DY 2 MO 90 YR
 SURVEYOR L. LITMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	 △ SS ⊙	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 	HORIZ 										
1										1552.7			1	
2		177.	00 000		91-20	8.0	-	28.5		1524.2		✓	2	
3		178.	1320		91-20	6.4	-	37.1		1515.6			3	
4		179.	1760		91-20	5.2	-	46.1		1506.6			4	
5		180.	2200		91-20	4.4	-	55.6		1497.1			5	
6	⊙	181	2640		91-20	8.2	-	69.6 ✓		1483.1		1480.8	6	
7	CK		✓		268-47-30	74.0	-	67.7					7	
8	△		2200		87-00	710.1	-	66.6 ✓	1416.5				8	
9	CK		✓		271-50	73.8	-	66.5					9	
10		182.	1760		272-00	71.1	+	50.3		1466.8			10	
11		183.	1320		272-00	79.7	+	36.3		1452.8			11	
12		184.	000		272-00	6.6	+	24.1		1440.6			12	
13		185.	440		272-00	4.6	+	10.7		1427.2			E 13	
14		186.	0		-	5.3				1411.2			- 14	
15		187.	440		92-00	7.0	-	22.3		1394.2		W	15	
16		188.	880		92-00	5.3	-	36.0		1380.5			16	
17													17	

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

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

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK BOOK NO. _____ PAGE 11 OF _____

LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY DATE 28 DY 2 MO 80 YR

SURVEYOR L. LYMAN 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										1416.5			1	
2		129.	1320			91-50	-6.0	-	48.2		1368.3		2	✓
3		170.	1760			91-50	-5.1	-	61.4		1355.1		3	
4		121.	2200			91-50	-6.2	-	76.5		1340.0		4	
5		192.	2640			91-50	-8.8	-	93.2		1323.2	1320.6	5	
6		CK.	✓			268-16.30	14.0	-	93.4				6	
7		132.	1320			88-20	+7.0	-	31.4	1291.9			7	
8		CK.	✓			271-50	+11.0	-	31.2				8	
9		173.	880			271-00	-7.6	+	7.8		1299.7		9	
10		174.	440			271-00	-5.8	+	1.9		1293.8		10	E.
11		175.	0			-	-5.2				1286.7		11	-
12		176.	440			91-40	-4.7	-	17.5		1274.4		12	W.
13		177.	880			91-40	-3.4	-	29.0		1262.9		13	
14		198	1320			91-30	-7.5	-	44.0		1247.8	1245.1	14	
15		CK.	✓			268-40	13.4	-	44.1				15	
16													16	
17													17	

TI-23471B

WORKED BY C.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 12 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY DATE 28 DY 2 MO 8 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				
				SLOPE										
1		198							1247.8			1		
2			2640		89-00	+12.0	-34.1	1213.8				2		
3			✓		270-50	+4.5	-33.9					3		
4		199	2200		270-20	-7.8	+5.0	1218.8				4		
5		200	1760		269-50	-12.3	-17.4	1196.4				5		
6		201	1320		269-30	-11.1	-22.6	1191.2				6	CRK.	
7		202	880		269-30	-7.0	-14.7	1199.1				7		
8		203	440		269-20	-8.5	-12.3	1201.5				8	E	
9		204	0		-	-5.3		1208.5				9	-	
10		205	440		89-20	-6.8	-1.7	1212.1				10	✓	
11		206	880		89-20	-7.3	+2.9	1216.7				11		
12		207	1320		89-20	-2.8	+12.6	1226.4				12		
13		208	1760		89-20	-3.8	+16.7	1230.5				13		
14		209	2200		89-20	-10.1	+15.5	1229.3				14		
15		210	2640		89-20-40	-75.0	+15.2	1229.0				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 MISHEGUK MTN. STATE/COUNTY AK. BOOK NO. _____ PAGE 13 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY DATE 28 DY 2 MO 80 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	 SS C	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												1		
2		211.	2080			89-20-40	15.0	+ 17.2		1231.0		2	+ 3.0 Boost	
3		212.	3520			89-21-10	14.0	+ 20.8		1234.6		3	+ 5.0 ✓	
4		213.	3960			89-21-10	14.0	+ 25.7		1239.5		4	+ 5.0 ✓	
5		214.	4400			89-20	10.5	+ 37.7		1251.5		5	+ 3.0 ✓	
6		o B.M. 80132.	4792			89-18-15	14.0	+ 44.2		1257.7		6		
7	CK		✓			270-42-07	15.0	+ 43.7				7		
8										1254.9		8		
9										+ 2.7	VERTICAL.	9		
10											TIE.	10		
11	A		490			87-20	+6.8	- 16.0	1239.0			11		
12	CK		✓			273-00	+9.7	- 15.9 ✓				12		
13		215.	440			273-00	7.5	+ 15.5		1254.5		E 13		
14		216.	0			-	5.3			1233.7		- 14		
15		217.	440			93-20	-8.5	- 34.0		1205.0		W 15		
16		218.	800			93-20	-8.4	- 59.5		1179.5		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. 735. TYPE SURVEY _____ CLIENT HUSKY. DATE 28 DY 2 MO 80 YR
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186.

LINE	 SS 	STATION	VERTICAL						ELEVATION		L/R OR D/I	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									1239.0			1		
2		217.	1320		93-20	3.6	-	80.2		1158.8		W	2	
3		220.	1760		92-30	71.6	-	88.3		1150.7			3	
4		221.	2200		92-00	71.8	-	88.5		1150.5			4	
5		222.	2640		91-20	72.3	-	73.7		1165.2			5	
6	CK		✓		268-30	4.9	-	74.0					6	
7			1760		89-30	72.8	-	2.6	1162.8				7	
8	CK		✓		270-20	77.9	-	2.3					8	
9		223.	1320		270-20	74.4	+	3.3		1166.1			9	
10		224.	880		270-20	75.0	+	0.1		1162.9			10	
11		225.	440		270-20	73.7	-	1.1		1161.7		E	11	
12		226.	0		-	73.2				1157.6		-	12	
13		227.	440		91-00	78.6	-	16.3		1146.5		W	13	
14		228.	880		91-00	70.5	-	25.9		1136.9			14	
15		229.	1320		91-00	74.2	-	37.2		1125.6			15	
16		230.	1760		91-00	74.0	-	44.7		1118.1			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 15. OF _____
 LINE/LOOP NO. 735. TYPE SURVEY _____ CLIENT HUSKY. DATE 28 DY 2 MO 80YR
 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													1	
2		231.	2255		91-05	7.5	-	45.9		1116.9			2	W.
3	⊙	232.	2640		90-40	74.2	-	44.9		1117.8			3	
4	CK		✓		269-10	76.6	-	45.0					4	
5	Δ		2255		89-40	71.6	-	1.2		1116.8			5	
6	CK		✓		270-23-10	74.0	-	0.8					6	
7		233.	1760		270-20	78.0	+	2.2		1119.0			7	
8		234.	1320		270-20	76.4	+	1.3		1118.1			8	
9		235.	880		270-20	75.3	-	0.2		1116.6			9	
10		236.	440		-	74.7				1112.1			10	E.
11		237.	0		-	75.2				1111.6			11	-
12		238.	440		-	74.5				1112.3			12	W.
13		239.	880		-	77.5				1115.3			13	
14		240.	1320		89-50	74.3	-	0.5		1116.3			14	
15		241.	1760		89-50	75.6	-	0.5		1116.3			15	
16		242.	2200		89-50	78.7	-	2.3		1114.5			16	
17													17	

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

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHEGUK MTN. STATE/COUNTY AK. BOOK NO. _____ PAGE 16 OF _____
 LINE/LOOP NO. 735. TYPE SURVEY _____ CLIENT HUSKY. DATE 28 DY 2 MO 80 YR
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1126.

LINE	 SS 	STATION	VERTICAL						ELEVATION		L/R OR D/I	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		243.	2640		89-48-16	74.0	- 5.0			1116.7			2	W
3			✓		270-11-53	74.0	- 4.9 ✓						3	
4			1320		89-30	72.7	- 2.8			1109.1			4	
5			✓		270-40	72.6	- 2.8						5	
6		244.	880		270-10	73.0	- 0.4			1108.7			6	
7		245.	440		-	73.2				1105.9		E.	7	
8		246.	0		-	73.3				1103.8		-	8	
9		247.	440		-	73.4				1100.7		W.	9	
10		248.	880		-	73.9				1100.2			10	
11		249.	1320		-	71.2				1097.9			11	
12		B.M. 50133	1340		-	71.7	- 11.7			1097.3			12	249 + 20
13			✓		269-50	78.0	- 11.2						13	
14										1097.5			14	
15										- 0.2		VERTICAL	15	
16												TIE.	16	
17													17	

TI-23471B

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

HORIZONTAL AND VERTICAL SURVEY NOTES
















GSI AREA _____ STATE/COUNTY AK BOOK NO. _____ PAGE 17 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY DATE 29 DY 2 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		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	⊙	BM: 80.133											1	
2													2	
3	Δ		760		89-20	79.3	- 0.7	1096.8					3	
4	CK		✓		271-00	+14.3	- 0.7						4	
5		250	440		-	2.6							E	5
6		251	0		-	5.3							-	6
7		252	440		-	78.7							W	7
8	⊙	253	880		71-00	79.1	- 24.5					1072.8		8
9	CK		✓		268-50	7.6	- 24.5							9
10	Δ		1320		-	+1.5	+ 1.5	1073.8						10
11	CK		✓		270-20	79.2	+ 1.5							11
12		254	880		268-40	72.7	- 33.2							12
13		255	440		269-00	71.8	- 19.5						E	13
14		256	0		-	2.3							-	14
15		257	440		88-30	5.8	+ 5.7						W	15
16		258	880		88-30	6.2	+ 16.8							16
17														17

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 18 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY DATE 29 DY 2 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	<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										1073.8			1		
2		259.	1320			88-30	4.8	+	29.7					2	
3		260.	1760			88-30	13.0	+	33.1					3	
4						271-20	8.2	+	32.7					4	
5			2475			90-50	7.9	+	45.9	1152.8				5	
6						269-15-15	14.0	+	46.2					6	
7		261.	2035			269-00	12.5	-	48.0					7	
8		262.	1595			268-20	11.3	-	57.7					8	
9		263.	1155			267-00	10.1	-	70.5					9	
10		264.	715			262-40	13.8	-	104.3					10	UTUKOK RIVER.
11		265.	275			261-00	14.1	-	56.6					11	E
12			0				5.2							12	
13		266	165.			89-00	5.1	-	2.2					13	TOP. of
14						272-10	8.5	-	2.3					14	UTUKOK RIVER
15														15	BANK.
16														16	STEEP. BANK.
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 19 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY DATE 29 DY 2 MO 80 YR
 SURVEYOR L. LITMAN 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 										
1	⊙	266							1150.6			1		
2	Δ		1760		86-20	+2.1	-104.2	1046.5				2		
3	CK		✓		273-50	+13.5	-103.9					3		
4		267	1320		-	7.6		1035.9				4	UTUKOK RIVER.	
5		268	880		-	7.6		1036.9				5	UTUKOK RIVER.	
6		269	440		-	7.6		1038.9			E	6		
7		270	0		-	5.3		1041.2			-	7		
8		271	440		-	5.3		1041.2			W.	8		
9		272	880		89-40	8.0	-2.9	1043.6				9	WILLOWS.	
10		273	1320		89-40	6.7	+1.0	1047.5				10	SHRUBS.	
11	⊙	274	1760		89-30	14.9	+0.5	1046.7			1047.1	11		
12	CK		✓		270-20	70.3	-0.1					12		
13	Δ		2200		90-20	13.1	+25.9	1072.7				13		
14	CK		✓		269-30	+6.9	+26.1					14		
15		275	1760		269-30	9.7	-25.1	1047.6				15		
16		276	1320		269-30	70.3	-21.8	1050.9				16		
17												17		

TI-23471B

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

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHEGUK MTN. STATE/COUNTY AK. BOOK NO. _____ PAGE 20 OF _____
 LINE/LOOP NO. 725 TYPE SURVEY _____ CLIENT HUSKY DATE 27 DY 2 MO 90 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				
			SLOPE 	HORIZ 										
1										1072.7			1	
2		277	880			269-50	73.6	-	16.2		1056.5		2	
3		277	440			-	74.8				1057.9		3	
4		277	0			-	5.4				1067.3		4	
5		280	440			-	2.8				1069.9		5	
6		281	880			-	7.0				1071.7		6	
7		282	1320			89-40	5.8	+	1.9		1074.6		7	
8		283	1760			89-40	2.3	+	3.7		1076.6		8	
9		284	2205			89-40	4.5	+	8.3		1081.0		9	
10		B.M. 86134	2240			89-40	5.1	+	7.7		1080.4		10	
11			✓			270-30	72.1	+	7.4				11	
12											1080.8		12	
13											-0.4	VERTICAL	13	
14												TIE.	14	
15													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 MISHIEGUK MTN. STATE/COUNTY AK. BOOK NO. _____ PAGE 21 OF _____
 LINE/LOOP NO. 735 TYPE SURVEY _____ CLIENT HUSKY. DATE 29 DY 2 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		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			<input type="checkbox"/> FEET <input type="checkbox"/> METERS SLOPE	<input type="checkbox"/> METERS HORIZ										
1	⊙	B.M. 80134.							1080.8			1		
2												2		
3	Δ		440		+14.8	+14.8 + 15.2		1096.0				3		
4	⊙		✓		269-10	+9.1	+15.5					4		
5		285.	0		-	-6.0			1090.0			5	EAST. SP.	
6												6	WEST. END.	
7		TS. #12 (297)	1215		87-57-00	4.2	+41.0		1137.0			7		
8		TS. #24 (309)	2585		87-30-50	4.2	+107.8		1203.8		1203.9	8		
9		TS. #36 (321)	3905		87-01-50	4.2	+197.8		1293.8		1294.1	9		
10		TS. #48 (333)	5225		87-00-13	6.0	+266.8		1362.8		1363.3	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. 2ND _____
 SYMBOLS Δ = BACKSIGHT = INSTRUMENT SET-UP SS = SIDESHOT ⊙ = FORESIGHT