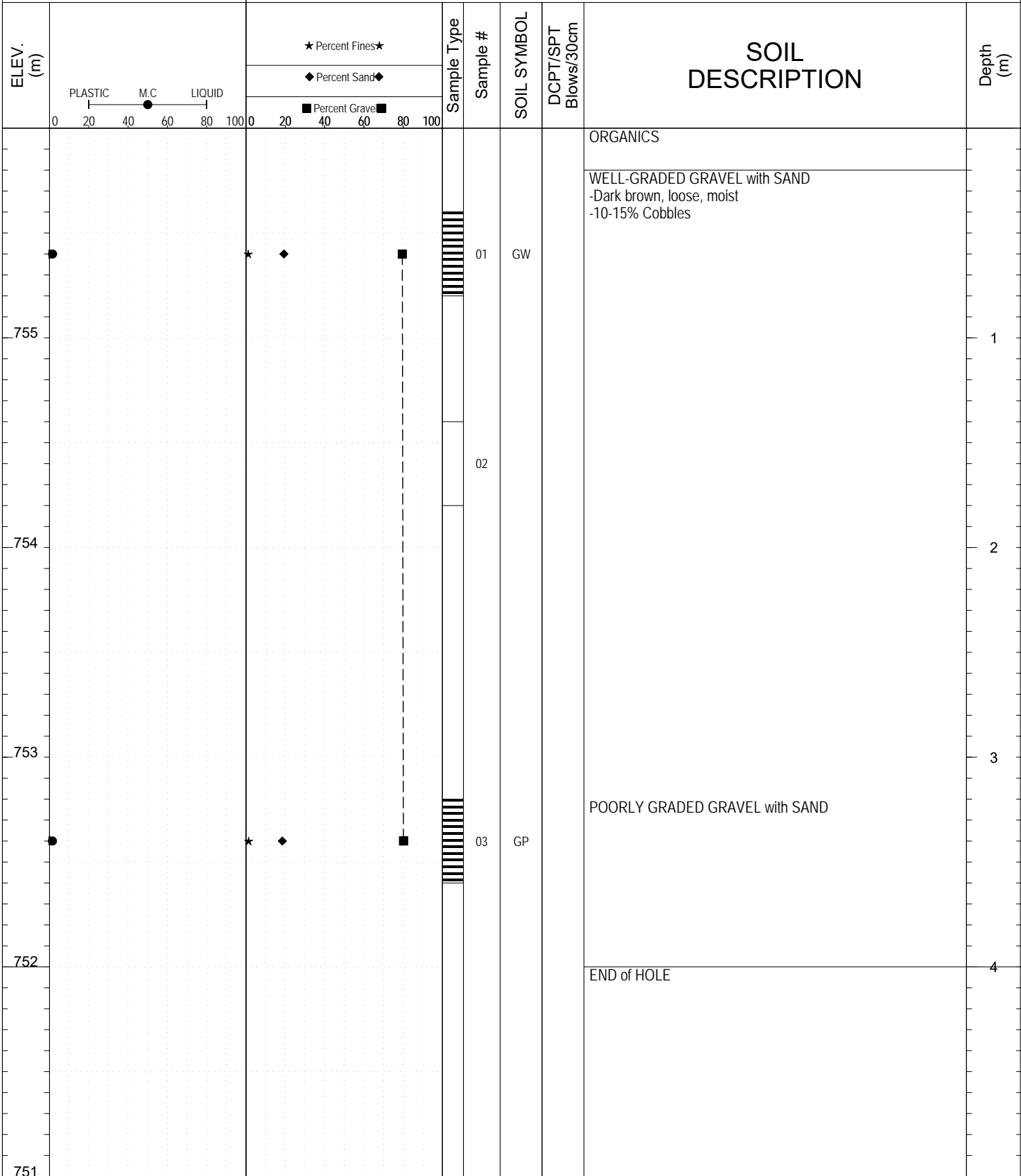



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South	SOURCE/TP#: 879-5275
Arctic Backhoe		Klondike Highway South, km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D		Coordinates: Z N6717062.968m E508029.6325m	ELEVATION: 756m

SAMPLE TYPE     UNDISTURBED     DCPT     AUGER     BULK     SPT     CORE



Highways and Public Works  
Transportation Engineering Branch

LOGGED BY: G. Kennedy	Termination Depth: 4m
COMPILED BY: R.Stilwell	Complete: 11/17/2015 9:42:00 AM
REVIEWED BY:	Pit #: 105 D-27      Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5276					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6716976.536m E508208.1993m		ELEVATION: 758m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE							
ELEV. (m)	PLASTIC      M.C      LIQUID 0      20      40      60      80      100	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		0      20      40      60      80      100							
757		★	◆	■	04	GP		ORGANICS	1
756		★	◆	■	05	GW		POORLY GRADED GRAVEL with SAND -Brown, frozen -10-15% Cobbles, some boulders	2
755		★	◆	■	06	GW		WELL-GRADED GRAVEL with SAND -Grey/brown	3
754								END of HOLE	4
753									
		Highways and Public Works Transportation Engineering Branch				LOGGED BY: G. Kennedy		Termination Depth: 4m	
						COMPILED BY: R.Stilwell		Complete: 11/17/2015 10:44:00 AM	
						REVIEWED BY:		Pit #: 105 D-27      Page 1 of 1	

SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5277					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6717118.703m E508247.5402m		ELEVATION: 761m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE							
ELEV. (m)	★ Percent Fines★ ◆ Percent Sand◆ ■ Percent Gravel■			Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC      M.C      LIQUID 0      20      40      60      80      100								
760		★	◆	■	GW	07		ORGANICS	1
759		★	◆	■	GP	08		WELL-GRADED GRAVEL with SAND -light brown, damp, loose -10-15% cobbles, some boulders	2
758								POORLY GRADED GRAVEL with SAND -greyish brown -15-20% cobbles	3
757		★	◆	■	GP-GM	09		POORLY GRADED GRAVEL with SILT and SAND -Orange brown -10-15% cobbles, some boulders	4
756								END of HOLE	



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5278				
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3				
CAT Excavator 315D		Coordinates: Z N6717089.513m E508530.7222m		ELEVATION: 766m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input checked="" type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE						
ELEV. (m)	★ Percent Fines★ ◆ Percent Sand◆ ■ Percent Gravel■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	0 20 40 60 80 100 PLASTIC    M.C.    LIQUID							
766							ORGANICS	
765				10	GM		SILTY GRAVEL with SAND -Light brown, damp, loose -5% Cobbles  -Dark brown, frozen -5-10% Cobbles	1
764				11	GM			2
763				12	GM			3
762							END of HOLE	4
761								



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5279				
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3				
CAT Excavator 315D		Coordinates: Z N6717027.006m E508753.0166m		ELEVATION: 772m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE						
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC      M.C      LIQUID 0      20      40      60      80      100							
771				13	GM		ORGANICS SILTY GRAVEL with SAND -Brown, loose -5% Cobbles	1
770				14	GM		-Darker brown, damp -5-10% Cobbles	2
769								3
768				15	GM			4
767							END of HOLE	



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5280					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6716998.932m E508976.3835m		ELEVATION: 782m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input checked="" type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE							
ELEV. (m)	PLASTIC      M.C      LIQUID 0      20      40      60      80      100	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		0      20      40      60      80      100							
781		★	■	GM	16	GM		ORGANICS	
781		★	■	GM	17	GM		SILTY GRAVEL with SAND -Light brown, loose, damp -5% Cobbles  -Darker brown -5-10% Cobbles, odd boulder	1
780		★	■	GM	18	GM		-Dark brown, compact -Hard digging, 10-15% Cobbles	2
779		★	■	GM	18	GM			3
778								END of HOLE	4
777									



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5281				
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3				
CAT Excavator 315D		Coordinates: Z N6716969.384m E509184.3085m		ELEVATION: 790m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE						
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC      M.C      LIQUID 0      20      40      60      80      100							
789				19	GM		ORGANICS  SILTY GRAVEL with SAND -Orange brown, loose, damp -5% Cobbles	1
788				20	GM		-Greyish brown, compact -5-10% Cobbles	2
787				21	GM			3
786								4
785							END of HOLE	



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5282				
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3				
CAT Excavator 315D		Coordinates: Z N6716905.402m E509380.9314m		ELEVATION: 794m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE						
ELEV. (m)	★ Percent Fines★ ◆ Percent Sand◆ ■ Percent Gravel■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC      M.C      LIQUID 0      20      40      60      80      100							
793.5				22	SM		ORGANICS	
793.5				22	SM		SILTY SAND with GRAVEL -Light brown, loose, damp -0-5% Cobbles	
793.0				23	GM		SILTY GRAVEL with SAND -Greyish brown -5-10% Cobbles, odd boulder	1
792.5				23	GM			
792.0				23	GM			2
791.5				23	GM			
791.0				23	GM			3
790.5				24	GM		-Light brown, compact -0-5% Cobbles	
790.0				24	GM			4
789.5				24	GM			
789.0				24	GM		END of HOLE	



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5283					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6716888.845m E509047.4405m		ELEVATION: 785m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input checked="" type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE							
ELEV. (m)	PLASTIC      M.C      LIQUID 0      20      40      60      80      100	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		0      20      40      60      80      100							
784					25	GM		ORGANICS  SILTY GRAVEL with SAND -Light brown, loose, damp -5-10% Cobbles	1
783					26	GM		-Greyish brown, compact -15-20% Cobbles	2
782					27	GM		-Brown -10-15% Cobbles, huge boulders	3
781								END of HOLE	4
780									

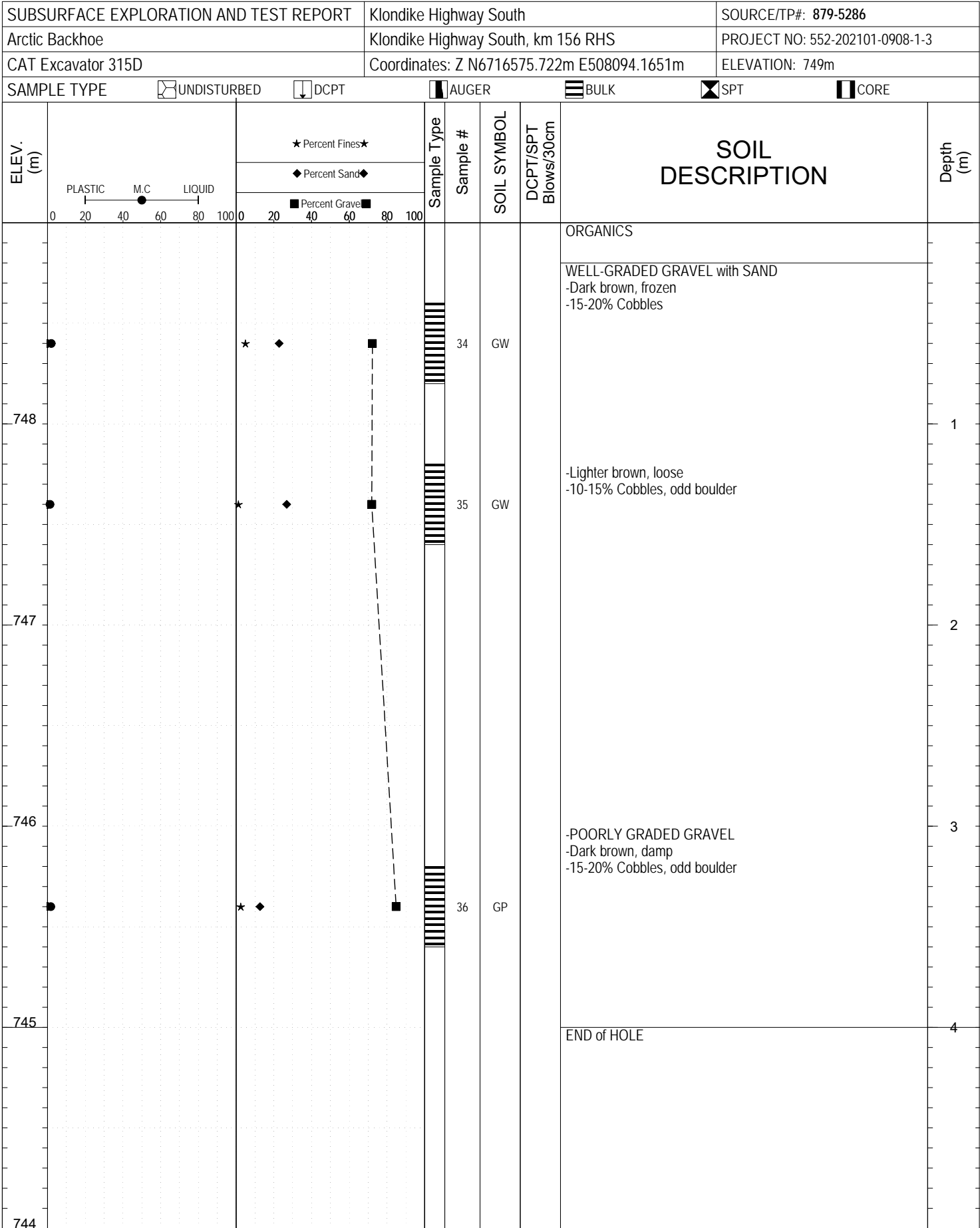



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5284									
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3									
CAT Excavator 315D		Coordinates: Z N6716920.528m E508035.3188m		ELEVATION: 754m									
SAMPLE TYPE		UNDISTURBED		DCPT		AUGER		BULK		SPT		CORE	
ELEV. (m)	PLASTIC      M.C      LIQUID 0      20      40      60      80      100			★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION		Depth (m)	
	0      20      40      60      80      100			0      20      40      60      80      100									
753				★	◆		28	GP		ORGANICS		1	
752				★	◆		29	GP-GM		POORLY GRADED GRAVEL -Light brown, loose, damp -15-20% Cobbles, some boulders		2	
751										POORLY GRADED GRAVEL with SILT and SAND -Greyish brown -10-15% Cobbles, odd boulder		3	
750				★	◆		30	GP		POORLY GRADED GRAVEL with SAND		4	
749										END of HOLE			



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5285									
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3									
CAT Excavator 315D		Coordinates: Z N6716778.804m E508111.9531m		ELEVATION: 753m									
SAMPLE TYPE		UNDISTURBED		DCPT		AUGER		BULK		SPT		CORE	
ELEV. (m)	PLASTIC      M.C      LIQUID 0      20      40      60      80      100			Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION		Depth (m)			
	★ Percent Fines★	◆ Percent Sand◆	■ Percent Gravel■										
752				★	◆	■		31	GW	ORGANICS	1		
751				★	◆	■		32	GP	WELL-GRADED GRAVEL with SAND -Light brown, loose, damp -15-20% Cobbles, some boulders	2		
750				★	◆	■		33	GP	POORLY GRADED GRAVEL with SAND	3		
749				★	◆	■				POORLY GRADED GRAVEL -10-15% Cobbles	4		
748										END of HOLE			





SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5287					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6716473.846m E508305.1776m		ELEVATION: 752m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE							
ELEV. (m)	PLASTIC      M.C      LIQUID 0      20      40      60      80      100	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		0      20      40      60      80      100							
751		★	◆	■	37	GW		Organics WELL-GRADED GRAVEL with SAND -Dark brown, loose, damp -10-15% Cobbles	1
750		★	◆	■	38	GW		WELL-GRADED GRAVEL -15-20% Cobbles, odd boulder	2
749									3
748		★	◆	■	39	GW		WELL-GRADED GRAVEL with SAND	4
747								END of HOLE	
		Highways and Public Works Transportation Engineering Branch				LOGGED BY: G. Kennedy		Termination Depth: 4m	
						COMPILED BY: R.Stilwell		Complete: 11/18/2015 11:29:00 AM	
						REVIEWED BY:		Pit #: 105 D-27      Page 1 of 1	

SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5288					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6716391.707m E508614.6732m		ELEVATION: 761m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK	<input checked="" type="checkbox"/> SPT	<input type="checkbox"/> CORE		
ELEV. (m)	PLASTIC      M.C      LIQUID 0      20      40      60      80      100	★ Percent Fines★		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		◆ Percent Sand◆	■ Percent Gravel■						
760		★	◆	■	40	GP		ORGANICS	1
759		★	◆	■	41	GP		POORLY GRADED GRAVEL with SAND -Brown, loose, damp -15-20% Cobbles	2
758		★	◆	■	42	GP			3
757		★	◆	■					4
756								END of HOLE	
		LOGGED BY: G. Kennedy			Termination Depth: 4m				
		COMPILED BY: R.Stilwell			Complete: 11/18/2015 12:43:00 PM				
		REVIEWED BY:			Pit #: 105 D-27      Page 1 of 1				

SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5289					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6716320.321m E508937.9645m		ELEVATION: 770m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input checked="" type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE							
ELEV. (m)		★ Percent Fines★ ◆ Percent Sand◆ ■ Percent Gravel■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
		0 20 40 60 80 100    0 20 40 60 80 100							
769		★    ◆    ■			43	GP		ORGANICS POORLY GRADED GRAVEL with SAND -Light brown, loose, damp -15-20% Cobbles	1
768		★    ◆    ■			44	GP		-Dark brown	2
767		★    ◆    ■			45	GP			3
766		★    ◆    ■			45	GP		END of HOLE	4
765		★    ◆    ■			45	GP			
		LOGGED BY: G. Kennedy				Termination Depth: 4m			
		COMPILED BY: R.Stilwell				Complete: 11/18/2015 1:40:00 PM			
		REVIEWED BY:				Pit #: 105 D-27    Page 1 of 1			

SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5290					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6716449.766m E509299.4361m		ELEVATION: 782m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE							
ELEV. (m)	★ Percent Fines★ ◆ Percent Sand◆ ■ Percent Gravel■			Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC      M.C      LIQUID 0      20      40      60      80      100								
781		★	◆	■	GP	46		ORGANICS  POORLY GRADED GRAVEL with SAND -Brown, loose, damp -10-15% Cobbles	1
780		★	◆	■	GW	47		WELL-GRADED GRAVEL with SAND -Darker brown, loose, damp -15-20% cobbles, odd boulder	2
779									3
778		★	◆	■	GP	48		POORLY GRADED GRAVEL	4
777								END of HOLE	4



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5291					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6716606.518m E509229.6678m		ELEVATION: 773m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input checked="" type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input checked="" type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input checked="" type="checkbox"/> CORE							
ELEV. (m)	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>PLASTIC    M.C.    LIQUID</p> <p>0    20    40    60    80    100</p> </div> <div style="width: 30%;"> <p>★ Percent Fines★</p> <p>◆ Percent Sand◆</p> <p>■ Percent Gravel■</p> <p>0    20    40    60    80    100</p> </div> </div>			Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	772				49	GP		ORGANICS	1
771				50	GP		POORLY GRADED GRAVEL with SAND -Brown, loose -15-20% Cobbles	2	
770							-Darker brown		
769				51	GW		WELL-GRADED GRAVEL with SAND	3	
768							END of HOLE	4	



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5292				
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3				
CAT Excavator 315D		Coordinates: Z N6716759.165m E509252.7259m		ELEVATION: 782m				
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input type="checkbox"/> SPT <input type="checkbox"/> CORE						
ELEV. (m)	★ Percent Fines ★ ◆ Percent Sand ◆ ■ Percent Gravel ■		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC    M.C    LIQUID 0    20    40    60    80    100							
781	★	◆	■	GP	52		ORGANICS  POORLY GRADED GRAVEL with SAND -Light brown, loose -10-15% Cobbles	1
780	★	◆	■	GW	53		WELL-GRADED GRAVEL with SAND	2
779								3
778	★	◆	■	GW	54			4
777							END of HOLE	



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5293					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6716812.641m E509038.8112m		ELEVATION: 781m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE							
ELEV. (m)	★ Percent Fines★ ◆ Percent Sand◆ ■ Percent Gravel■			Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC      M.C      LIQUID 0      20      40      60      80      100								
780		★	◆	■	GP	55		ORGANICS  POORLY GRADED GRAVEL with SAND -Brown, loose -15-20% Cobbles	1
779		★	◆	■	GP	56		POORLY GRADED GRAVEL -Odd boulder	2
778									3
777		★	◆	■	GP	57		POORLY GRADED GRAVEL with SAND	4
776								END of HOLE	



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South	SOURCE/TP#: 879-5292
Arctic Backhoe		Klondike Highway South, km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D		Coordinates: Z N6716759.165m E509252.7259m	ELEVATION: 782m

SAMPLE TYPE     UNDISTURBED     DCPT     AUGER     BULK     SPT     CORE

ELEV. (m)				Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PLASTIC	M.C	LIQUID						
776									6
775									7
774					53	GW			8
773									9
772									



Highways and Public Works  
Transportation Engineering Branch

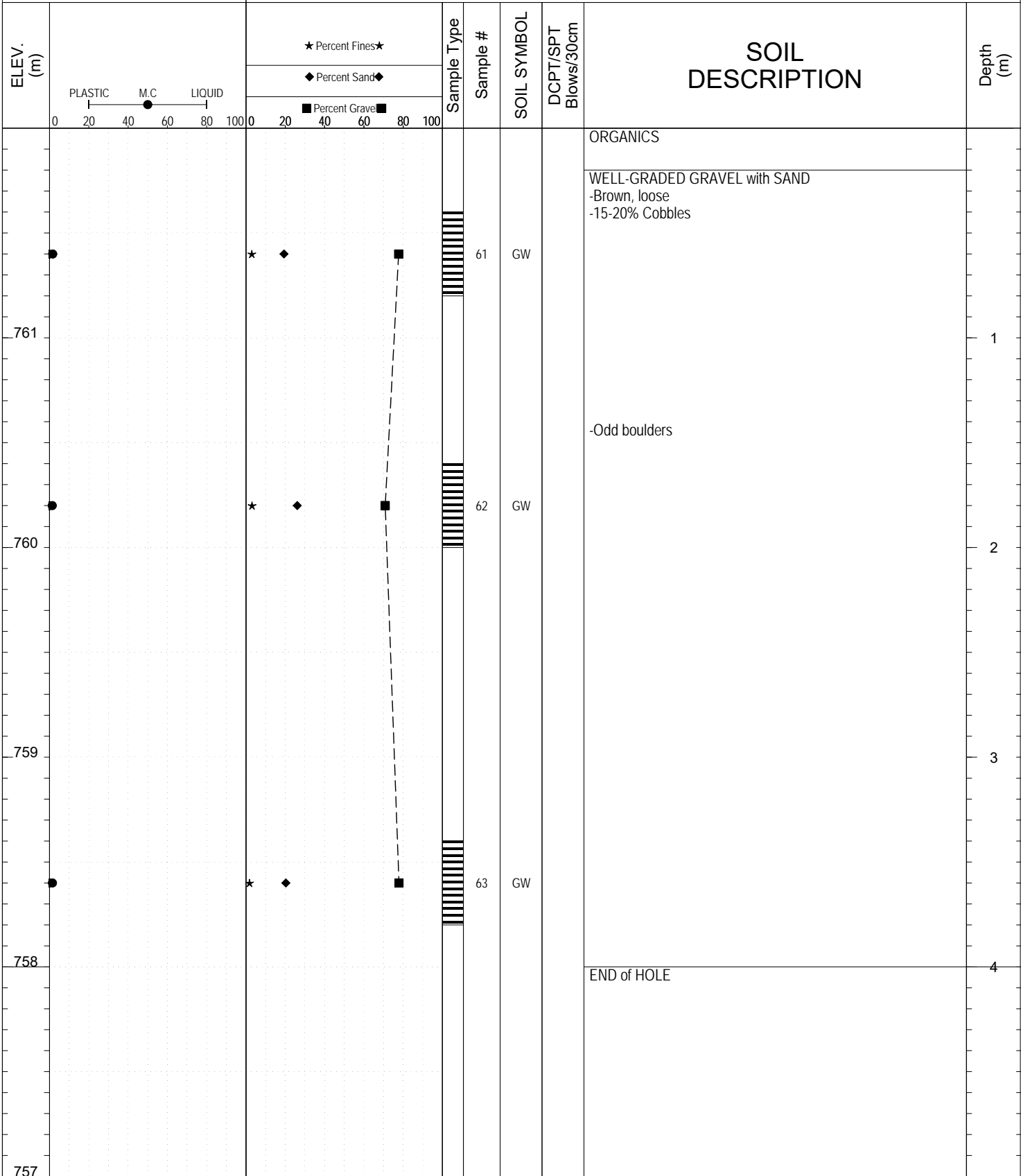
LOGGED BY: G. Kennedy	Termination Depth: 4m
COMPILED BY: R.Stilwell	Complete: 11/18/2015 4:08:00 PM
REVIEWED BY:	Pit #: 105 D-27      Page 2 of 5

SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5294									
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3									
CAT Excavator 315D		Coordinates: Z N6716696.368m E508996.8062m		ELEVATION: 774m									
SAMPLE TYPE		UNDISTURBED		DCPT		AUGER		BULK		SPT		CORE	
ELEV. (m)	PLASTIC      M.C      LIQUID 0      20      40      60      80      100			★ Percent Fines★ ◆ Percent Sand◆ ■ Percent Gravel■	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION		Depth (m)		
	0      20      40      60      80      100												
773				★ ◆ ■		58	GP		ORGANICS		1		
									POORLY GRADED GRAVEL with SAND -Brown, loose -15-20% Cobbles, some boulders				
772				★ ◆ ■		59	GW		WELL-GRADED GRAVEL with SAND		2		
771				★ ◆ ■		60	GW				3		
770				★ ◆ ■					END of HOLE		4		
769													



SUBSURFACE EXPLORATION AND TEST REPORT	Klondike Highway South	SOURCE/TP#: 879-5295
Arctic Backhoe	Klondike Highway South, km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates: Z N6716881.048m E508450.6262m	ELEVATION: 762m

SAMPLE TYPE     UNDISTURBED     DCPT     AUGER     BULK     SPT     CORE



Highways and Public Works  
 Transportation Engineering Branch

LOGGED BY: G. Kennedy	Termination Depth: 4m
COMPILED BY: R.Stilwell	Complete: 11/19/2015 9:10:00 AM
REVIEWED BY:	Pit #: 105 D-27      Page 1 of 1

SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5296			
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3			
CAT Excavator 315D		Coordinates: Z N6716697.273m E508402.6243m		ELEVATION: 757m			
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input checked="" type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE					
ELEV. (m)	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>★ Percent Fines★</p> <p>◆ Percent Sand◆</p> <p>■ Percent Gravel■</p> </div> <div style="width: 30%;"> <p>Sample Type</p> <p>Sample #</p> <p>SOIL SYMBOL</p> <p>DCPT/SPT Blows/30cm</p> </div> <div style="width: 30%; text-align: center;"> <p><b>SOIL DESCRIPTION</b></p> </div> </div>			Depth (m)			
	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>PLASTIC    M.C    LIQUID</p> <p>0    20    40    60    80    100</p> </div> <div style="width: 30%;"> <p>0    20    40    60    80    100</p> </div> </div>						
756	★	◆	■	64	GP	ORGANICS	1
755	★	◆	■	65	GP	POORLY GRADED GRAVEL with SAND -Light brown, loose, damp -10-15% Cobbles	2
754							3
753	★	◆	■	66	GW	WELL-GRADED GRAVEL with SAND	4
752						END of HOLE	



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5297					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6716608.404m E508688.998m		ELEVATION: 762m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE							
ELEV. (m)	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>PLASTIC    M.C    LIQUID</p> <p>0    20    40    60    80    100</p> </div> <div style="width: 30%;"> <p>★ Percent Fines★</p> <p>◆ Percent Sand◆</p> <p>■ Percent Gravel■</p> <p>0    20    40    60    80    100</p> </div> </div>			Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	761				GP		ORGANICS	1	
760				GW		POORLY GRADED GRAVEL -Light brown, loose -15-20% Cobbles	2		
759				GP		WELL-GRADED GRAVEL with SAND	3		
758				GP		POORLY GRADED GRAVEL with SAND	4		
757						END of HOLE			



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5298					
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3					
CAT Excavator 315D		Coordinates: Z N6716545.415m E508982.3895m		ELEVATION: 769m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE							
ELEV. (m)	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>PLASTIC    M.C    LIQUID</p> <p>0    20    40    60    80    100</p> </div> <div style="width: 30%;"> <p>★ Percent Fines★</p> <p>◆ Percent Sand◆</p> <p>■ Percent Gravel■</p> <p>0    20    40    60    80    100</p> </div> </div>			Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
768				70	GW		ORGANICS	1	
767				71	GW		WELL-GRADED GRAVEL with SAND -Light brown, loose -15-20% Cobbles, odd boulder	2	
766				72	GP		POORLY GRADED GRAVEL with SAND	3	
765				72	GP		END of HOLE	4	
764				72	GP				



SUBSURFACE EXPLORATION AND TEST REPORT		Klondike Highway South		SOURCE/TP#: 879-5299			
Arctic Backhoe		Klondike Highway South, km 156 RHS		PROJECT NO: 552-202101-0908-1-3			
CAT Excavator 315D		Coordinates: Z N6716821.881m E508766.3897m		ELEVATION: 765m			
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE					
ELEV. (m)	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>★ Percent Fines★</p> <p>◆ Percent Sand◆</p> <p>■ Percent Gravel■</p> </div> <div style="width: 45%;"> <p>Sample Type</p> <p>Sample #</p> <p>SOIL SYMBOL</p> <p>DCPT/SPT Blows/30cm</p> </div> </div>		SOIL DESCRIPTION		Depth (m)		
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>PLASTIC    M.C    LIQUID</p> <p>0    20    40    60    80    100</p> </div> <div style="width: 45%;"> <p>0    20    40    60    80    100</p> </div> </div>						
764	★	◆	■	73	GW	ORGANICS	1
763	★	◆	■	74	GP	WELL-GRADED GRAVEL with SAND -Light brown, loose -15-20% Cobbles	2
762						POORLY GRADED GRAVEL -Odd boulder	3
761	★	◆	■	75	GW	WELL-GRADED GRAVEL with SAND	4
760						END of HOLE	



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5275
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6717062.968m E508029.6325m	ELEVATION: 756m

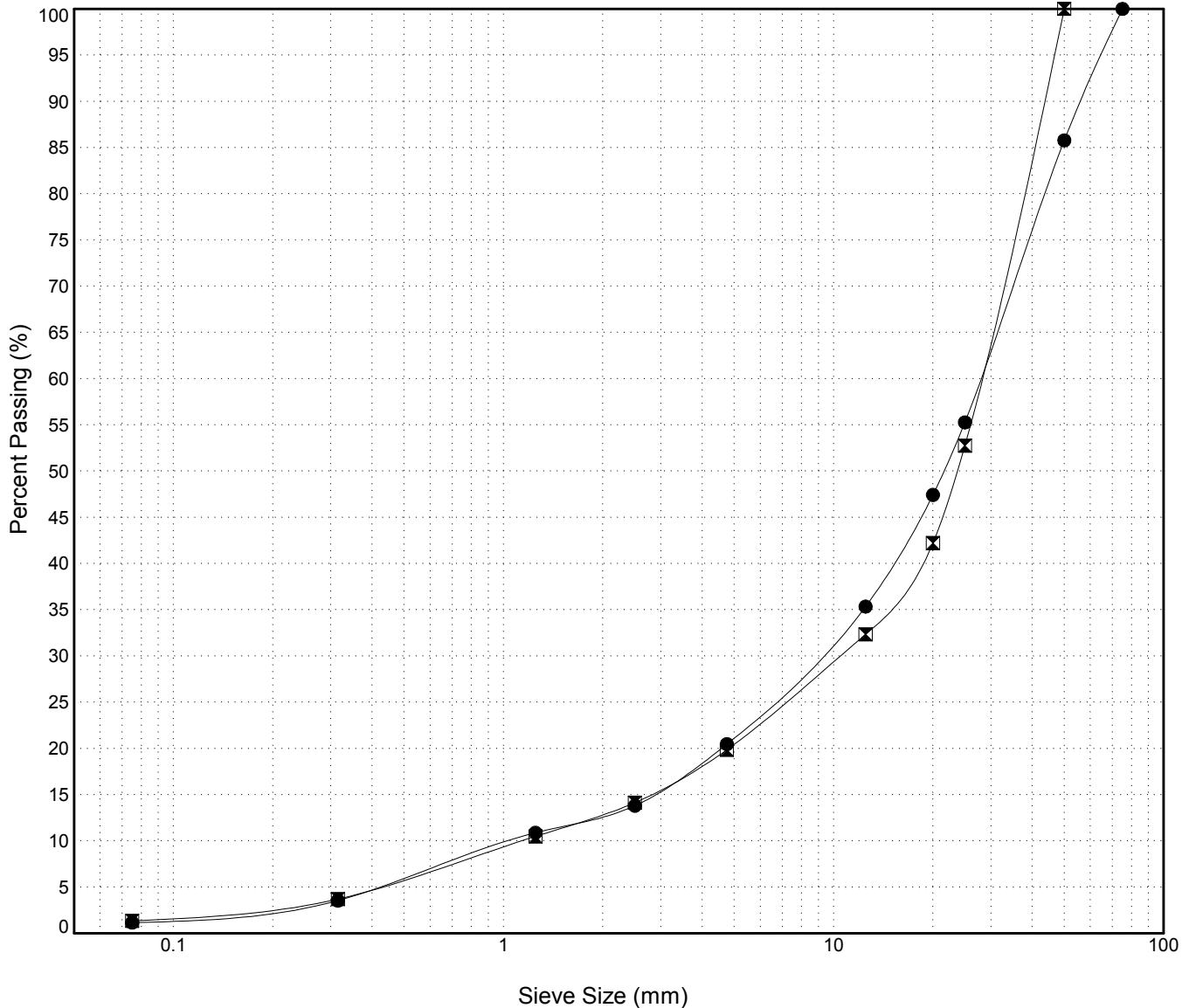
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 01	366	0.4 to 0.8	WELL-GRADED GRAVEL with SAND(GW)	1.6	NP	NP	NP	2.6	26.3
☒ 03	368	3.2 to 3.6	POORLY GRADED GRAVEL with SAND(GP)	1.5	NP	NP	NP	3.5	24.5

Field #	Lab #	%PASSING	Sieve Size (mm)													% Breakdown				
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 01	366	100.0	100.0	100.0	85.8	55.3	47.4	35.3	31.9	20.5	13.8	10.9	7.2	3.5	2.4	1.2	79.5	19.3	1.2	
☒ 03	368	100.0	100.0	100.0	52.8	42.2	32.3	29.5	19.9	14.1	10.5	7.1	3.7	2.6	1.3	80.1	18.5	1.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5276
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716976.536m E508208.1993m	ELEVATION: 758m

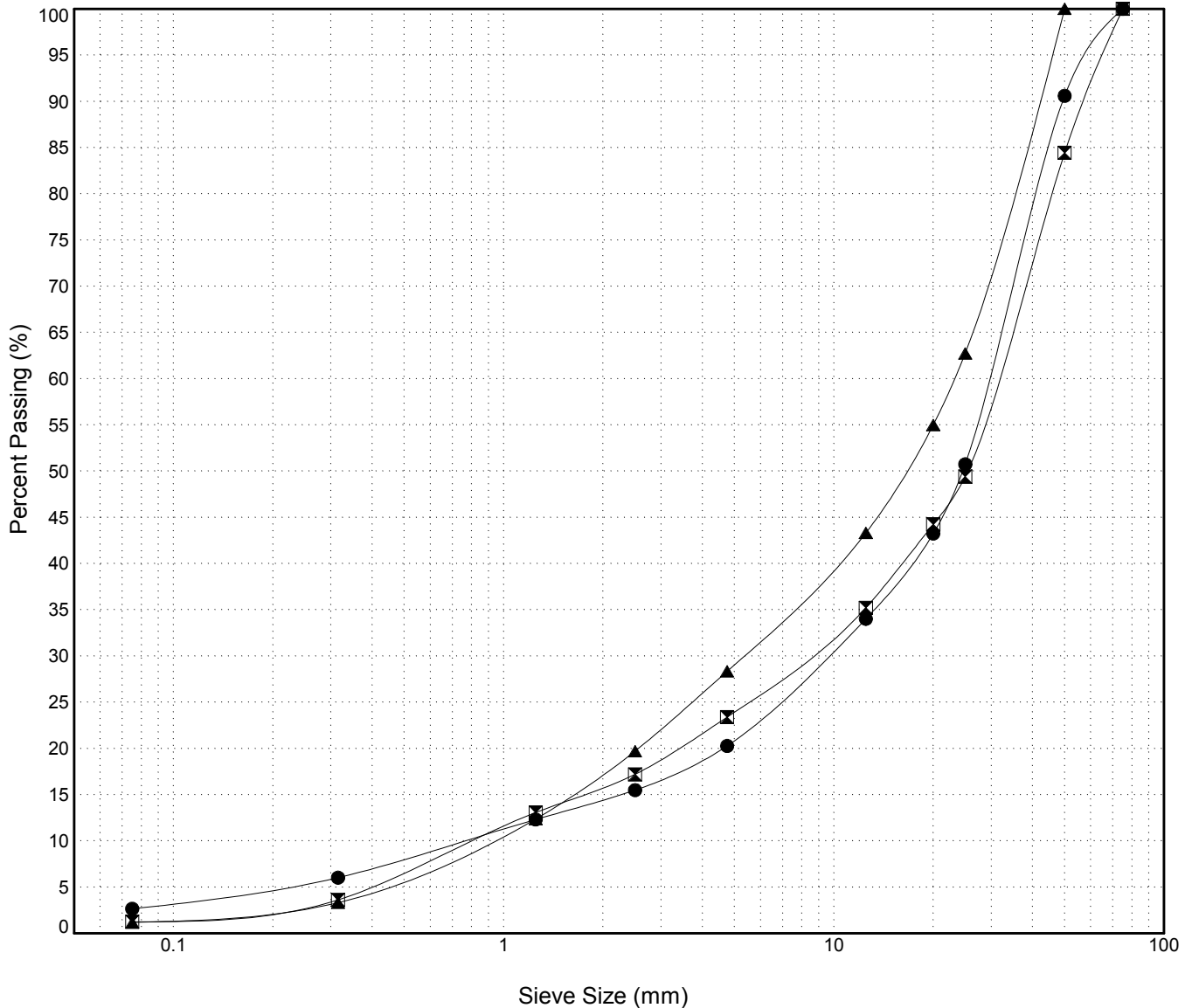
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 04	369	0.4 to 0.8	POORLY GRADED GRAVEL with SAND(GP)	2.2	NP	NP	NP	4.0	39.0
☒ 05	370	2.0 to 2.4	WELL-GRADED GRAVEL with SAND(GW)	1.8	NP	NP	NP	2.7	38.6
▲ 06	371	3.2 to 3.6	WELL-GRADED GRAVEL with SAND(GW)	1.7	NP	NP	NP	1.4	26.5

Field #	Lab #	% PASSING														% Breakdown				
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 04	369	100.0	100.0	100.0	90.6	50.7	43.2	34.0	30.8	20.3	15.5	12.3	9.2	6.0	4.4	2.6	79.7	17.6	2.6	
☒ 05	370	100.0	100.0	84.4	49.4	44.2	35.2	32.5	23.4	17.2	13.1	8.4	3.6	2.5	1.3		76.6	22.1	1.3	
▲ 06	371	100.0	100.0	100.0	62.7	55.0	43.3	39.9	28.3	19.7	12.4	7.9	3.3	2.3	1.2		71.7	27.2	1.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5277
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6717118.703m E508247.5402m	ELEVATION: 761m

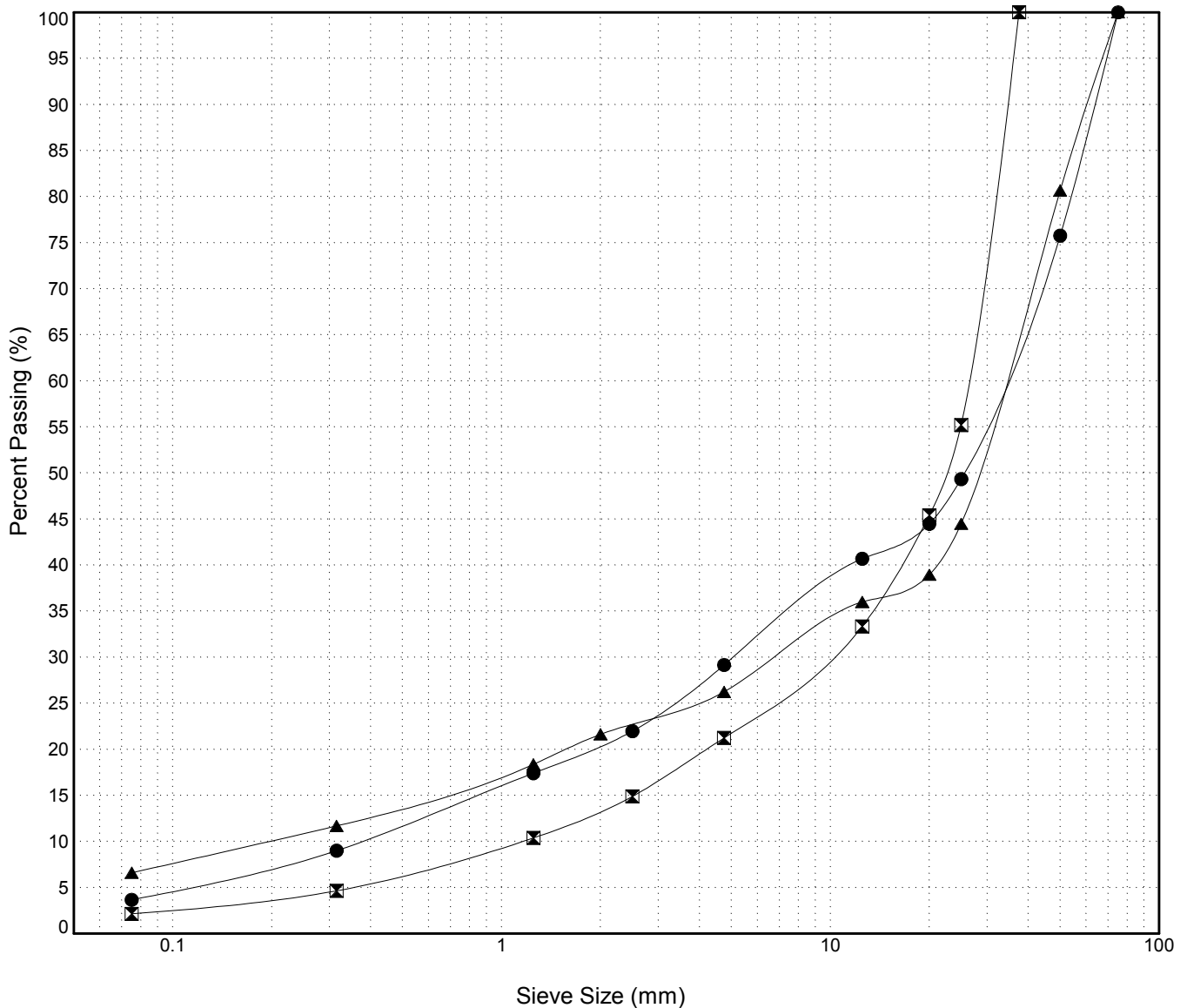
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 07	372	0.4 to 0.8	WELL-GRADED GRAVEL with SAND(GW)	1.9	NP	NP	NP	2.1	89.1
☒ 08	373	1.6 to 2.0	POORLY GRADED GRAVEL with SAND(GP)	1.9	NP	NP	NP	3.1	22.9
▲ 09	374	3.6 to 4.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	2.1	NP	NP	NP	7.2	172.0

Field #	Lab #	% PASSING														% Breakdown			
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 07	372	100.0	100.0	75.8	49.3	44.5	40.7	38.0	29.2	22.0	17.4	13.2	9.0	6.5	3.7	70.8	25.5	3.7	
☒ 08	373	100.0	100.0	100.0	55.2	45.4	33.3	30.6	21.2	14.9	10.4	7.5	4.6	3.5	2.1	78.8	19.1	2.1	
▲ 09	374	100.0	100.0	80.7	44.5	38.9	36.0	33.7	26.2	22.8	18.4	15.0	11.7	9.3	6.6	73.8	19.6	6.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5278
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6717089.513m E508530.7222m	ELEVATION: 766m

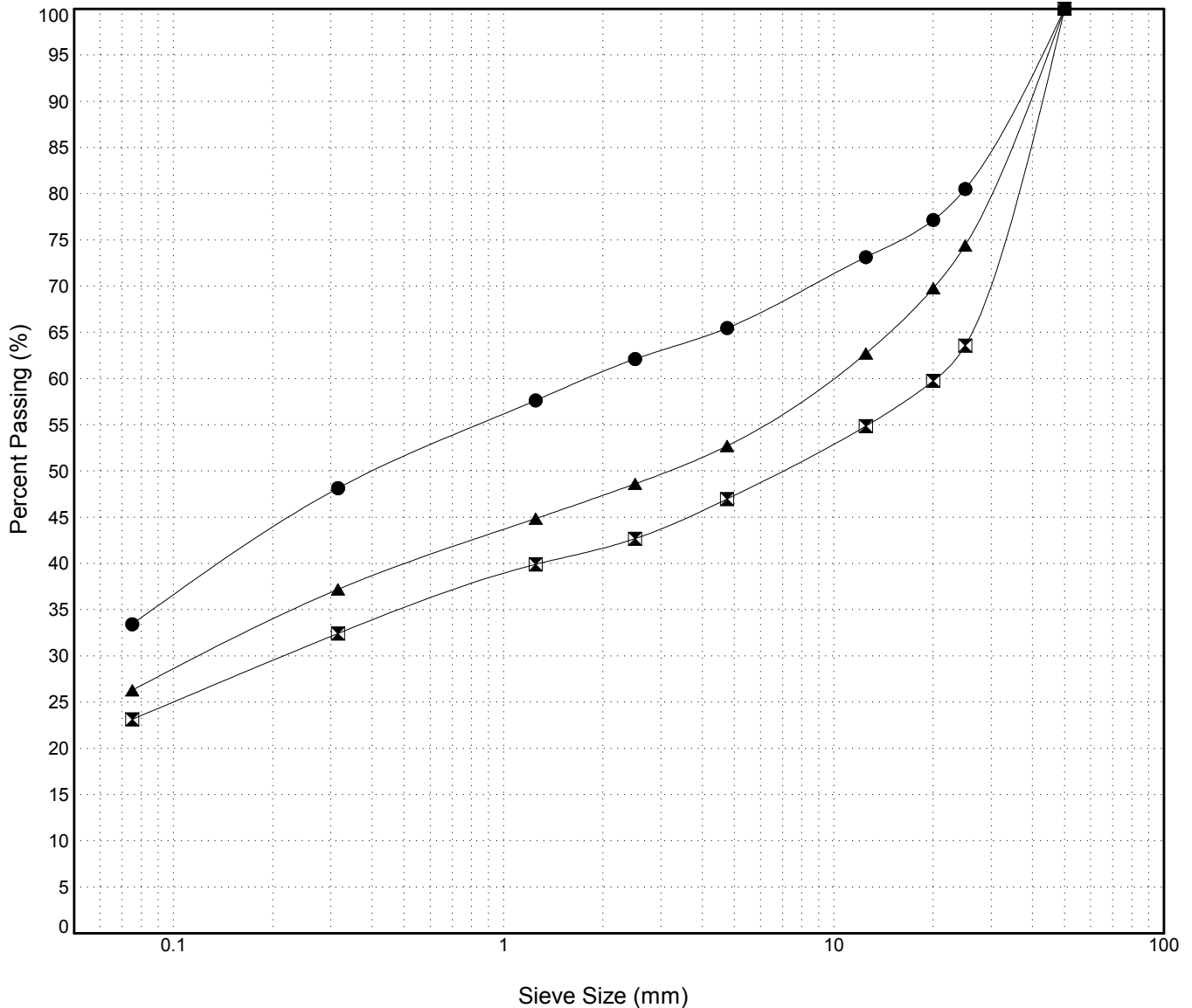
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 10	375	0.4 to 0.8	SILTY GRAVEL with SAND(GM)	3.4	NP	NP	NP		
☒ 11	376	1.2 to 1.6	SILTY GRAVEL with SAND(GM)	4.3	NP	NP	NP		
▲ 12	377	3.2 to 3.6	SILTY GRAVEL with SAND(GM)	5.0	NP	NP	NP		

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 10	375	100.0	100.0	100.0	100.0	80.5	77.2	73.1	71.4	65.5	62.1	57.6	52.9	48.2	41.2	33.4	34.5	32.0	33.4
☒ 11	376	100.0	100.0	100.0	63.6	59.8	54.9	53.0	47.0	42.7	39.9	36.2	32.4	28.0	23.1	23.1	53.0	23.8	23.1
▲ 12	377	100.0	100.0	100.0	74.4	69.8	62.7	60.4	52.7	48.6	44.9	41.1	37.2	32.1	26.3	26.3	47.3	26.4	26.3

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse





GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5280
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716998.932m E508976.3835m	ELEVATION: 782m

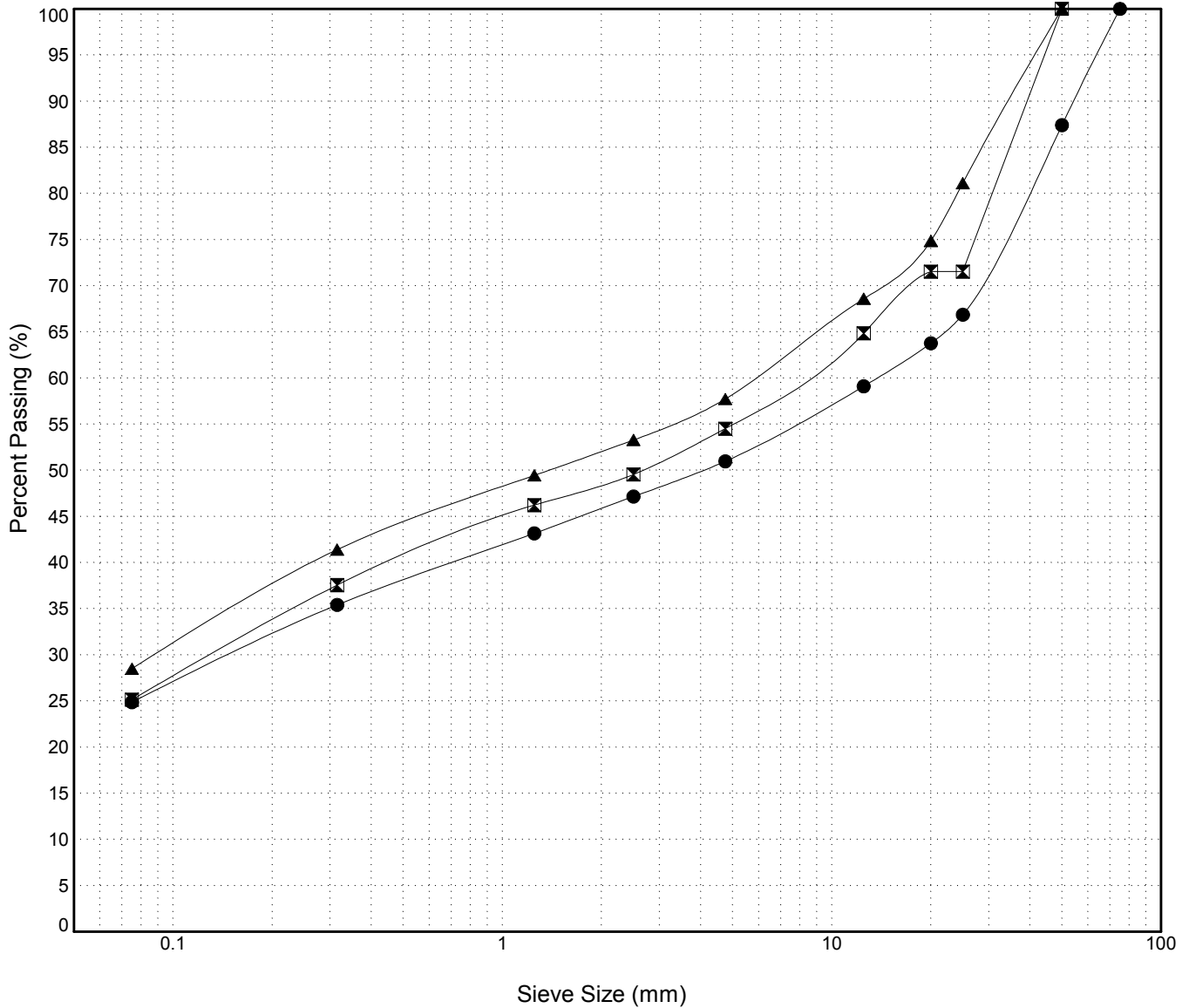
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 16	381	0.4 to 0.8	SILTY GRAVEL with SAND(GM)	5.2	NP	NP	NP		
☒ 17	382	1.2 to 1.6	SILTY GRAVEL with SAND(GM)	4.0	NP	NP	NP		
▲ 18	383	2.8 to 3.2	SILTY GRAVEL with SAND(GM)	4.2	NP	NP	NP		

Field #	Lab #	% PASSING														% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 16	381	100.0	100.0	100.0	87.4	66.9	63.8	59.1	57.2	51.0	47.2	43.2	39.3	35.4	30.4	24.9	49.0	26.1	24.9
☒ 17	382	100.0	100.0	100.0	71.5	71.5	64.8	62.5	54.5	49.5	46.2	41.9	37.6	31.7	25.1	45.5	29.4	25.1	
▲ 18	383	100.0	100.0	100.0	81.1	74.9	68.6	66.1	57.7	53.3	49.4	45.4	41.4	35.3	28.5	42.3	29.2	28.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5281
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716969.384m E509184.3085m	ELEVATION: 790m

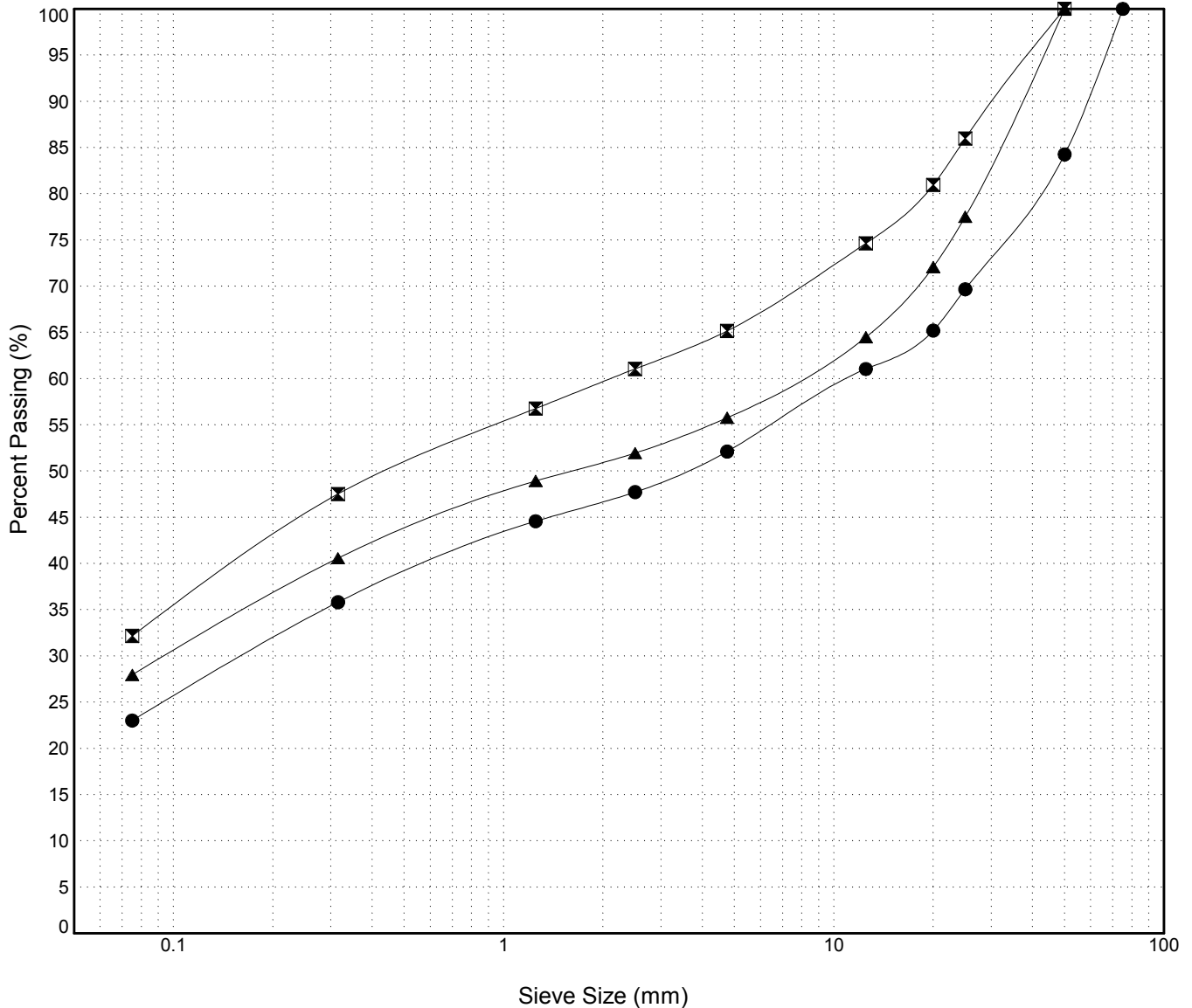
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 19	384	0.4 to 0.8	SILTY GRAVEL with SAND(GM)	4.4	NP	NP	NP		
☒ 20	385	1.4 to 1.8	SILTY GRAVEL with SAND(GM)	5.3	NP	NP	NP		
▲ 21	386	3.2 to 3.6	SILTY GRAVEL with SAND(GM)	4.6	NP	NP	NP		

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 19	384	100.0	100.0	84.3	69.7	65.2	61.0	59.0	52.1	47.7	44.6	40.2	35.8	29.8	23.0	47.9	29.1	23.0	
☒ 20	385	100.0	100.0	100.0	86.0	81.0	74.6	72.5	65.2	61.1	56.8	52.2	47.5	40.3	32.2	34.8	33.0	32.2	
▲ 21	386	100.0	100.0	100.0	77.5	72.1	64.5	62.5	55.8	51.9	48.9	44.8	40.6	34.6	28.0	44.2	27.8	28.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5282
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716905.402m E509380.9314m	ELEVATION: 794m

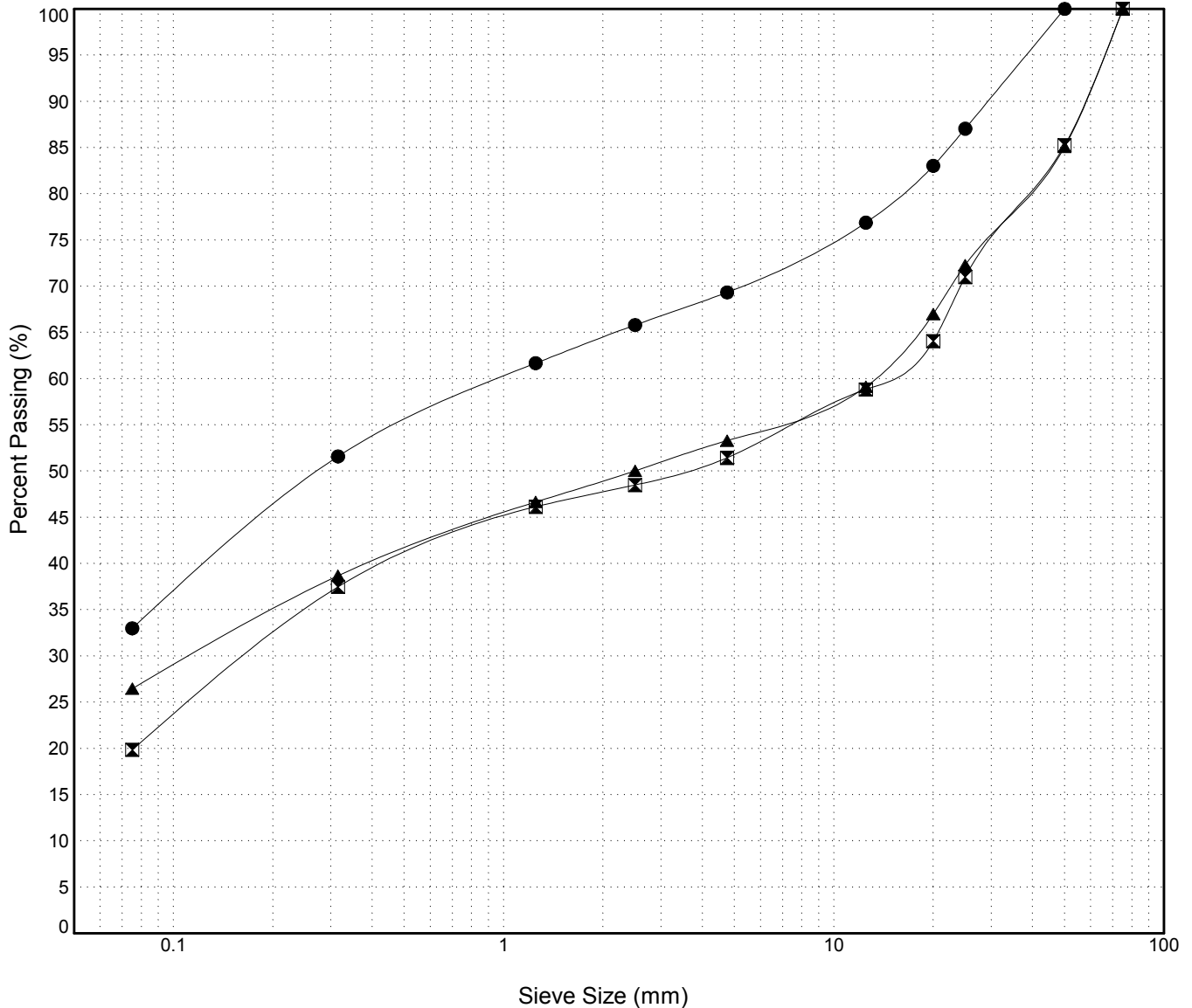
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 22	387	0.4 to 0.8	SILTY SAND with GRAVEL(SM)	5.1	NP	NP	NP		
☒ 23	388	1.2 to 1.6	SILTY GRAVEL with SAND(GM)	3.2	NP	NP	NP		
▲ 24	389	3.4 to 3.8	SILTY GRAVEL with SAND(GM)	4.1	NP	NP	NP		

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown				
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 22	387	100.0	100.0	100.0	100.0	87.0	83.0	76.9	75.1	69.3	65.8	61.7	56.7	51.6	42.8	33.0	30.7	36.3	33.0	
☒ 23	388	100.0	100.0	85.3	71.0	64.1	58.8	57.1	51.4	48.5	46.1	41.8	37.5	29.2	19.8	48.6	31.6	19.8		
▲ 24	389	100.0	100.0	85.1	72.3	67.0	59.1	57.8	53.3	50.0	46.7	42.7	38.7	32.9	26.5	46.7	26.8	26.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5283
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716888.845m E509047.4405m	ELEVATION: 785m

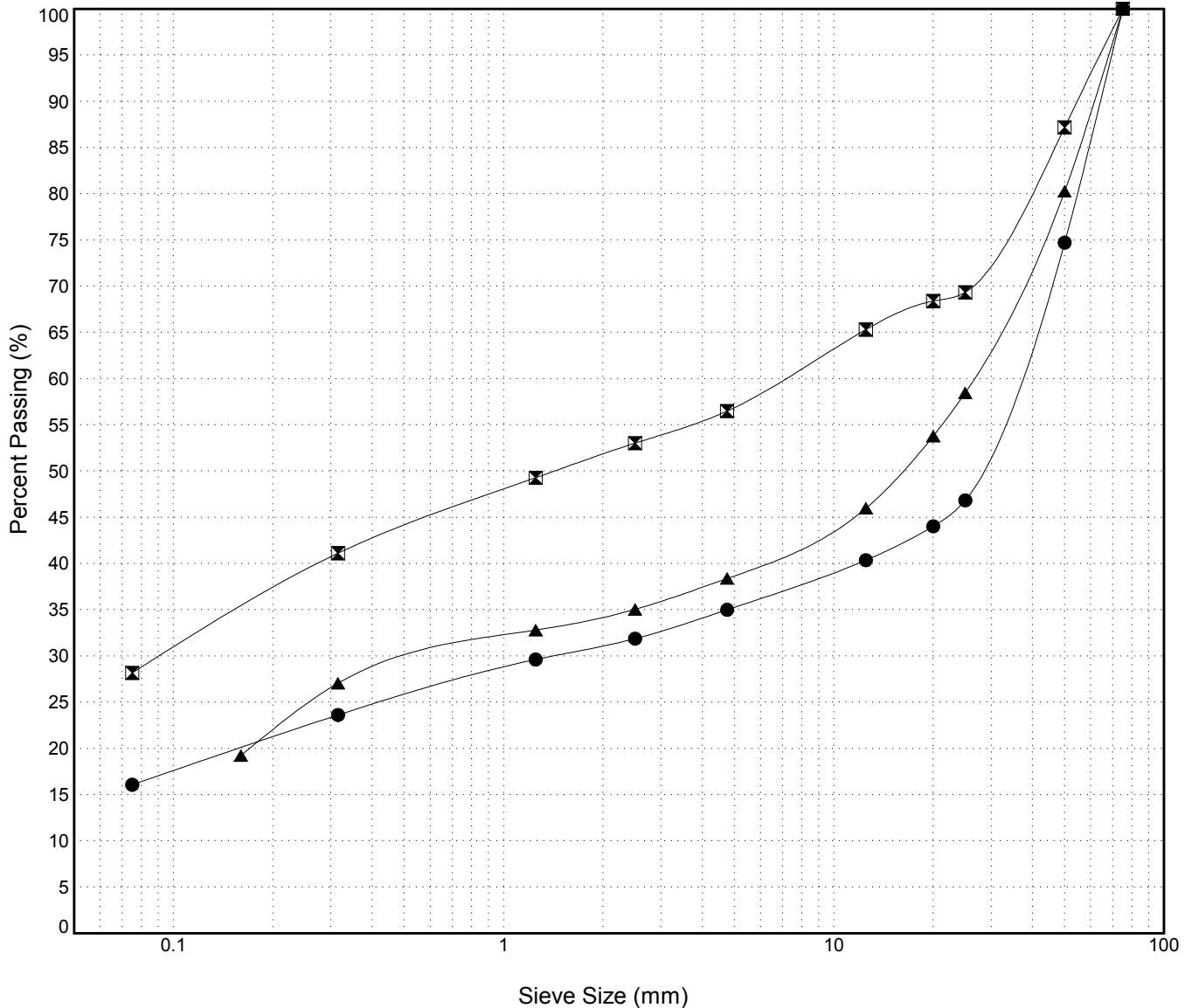
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 25	390	0.3 to 0.6	SILTY GRAVEL with SAND(GM)	2.1	NP	NP	NP		
☒ 26	391	1.4 to 1.8	SILTY GRAVEL with SAND(GM)	4.4	NP	NP	NP		
▲ 27	392	2.6 to 3.0		3.3	NP	NP	NP		

Field #	Lab #	% PASSING														% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 25	390	100.0	100.0	74.7	46.8	44.0	40.4	39.1	35.0	31.9	29.6	26.6	23.6	20.1	16.1	65.0	18.9	16.1	
☒ 26	391	100.0	100.0	87.2	69.3	68.4	65.3	63.3	56.5	53.0	49.3	45.2	41.1	35.0	28.2	43.5	28.3	28.2	
▲ 27	392	100.0	100.0	80.3	58.5	53.8	46.0	44.2	38.4	35.0	32.8	29.9	27.1	19.2	100.0	61.6			

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5284
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716920.528m E508035.3188m	ELEVATION: 754m

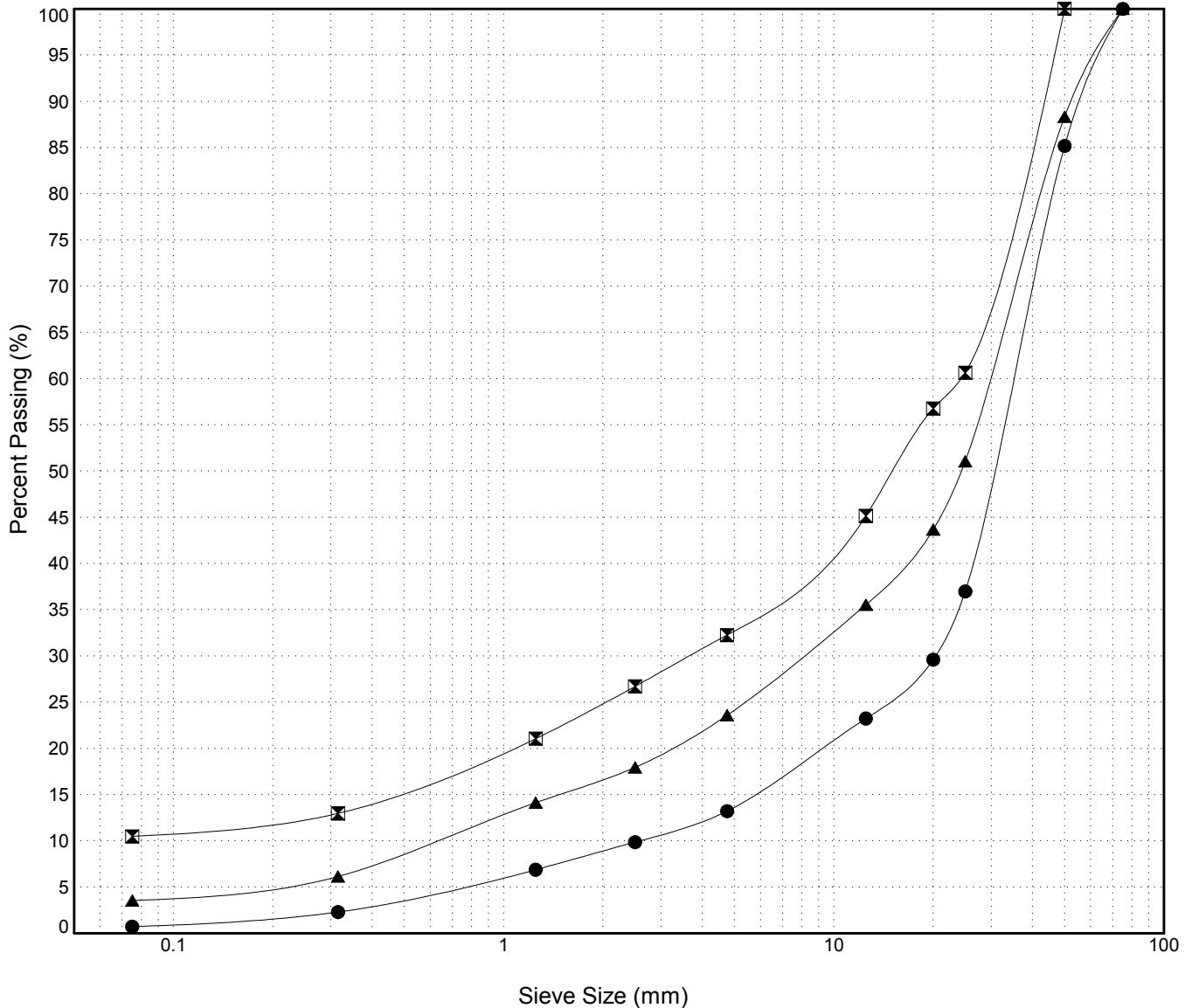
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 28	393	0.4 to 0.8	POORLY GRADED GRAVEL(GP)	1.3	NP	NP	NP	4.6	13.5
☒ 29	394	1.6 to 2.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	1.6	NP	NP	NP	9.7	422.4
▲ 30	395	3.4 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	1.6	NP	NP	NP	3.5	48.2

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown				
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 28	393	100.0	100.0	100.0	85.2	37.0	29.6	23.2	20.9	13.2	9.9	6.9	4.6	2.3	1.5	0.7	86.8	12.5	0.7	
☒ 29	394	100.0	100.0	100.0	60.6	56.8	45.1	42.2	32.3	26.7	21.0	17.0	13.0	11.8	10.5		67.7	21.8	10.5	
▲ 30	395	100.0	100.0	88.3	51.0	43.7	35.5	32.8	23.6	17.9	14.1	10.2	6.1	4.9	3.5		76.4	20.0	3.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5285
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716778.804m E508111.9531m	ELEVATION: 753m

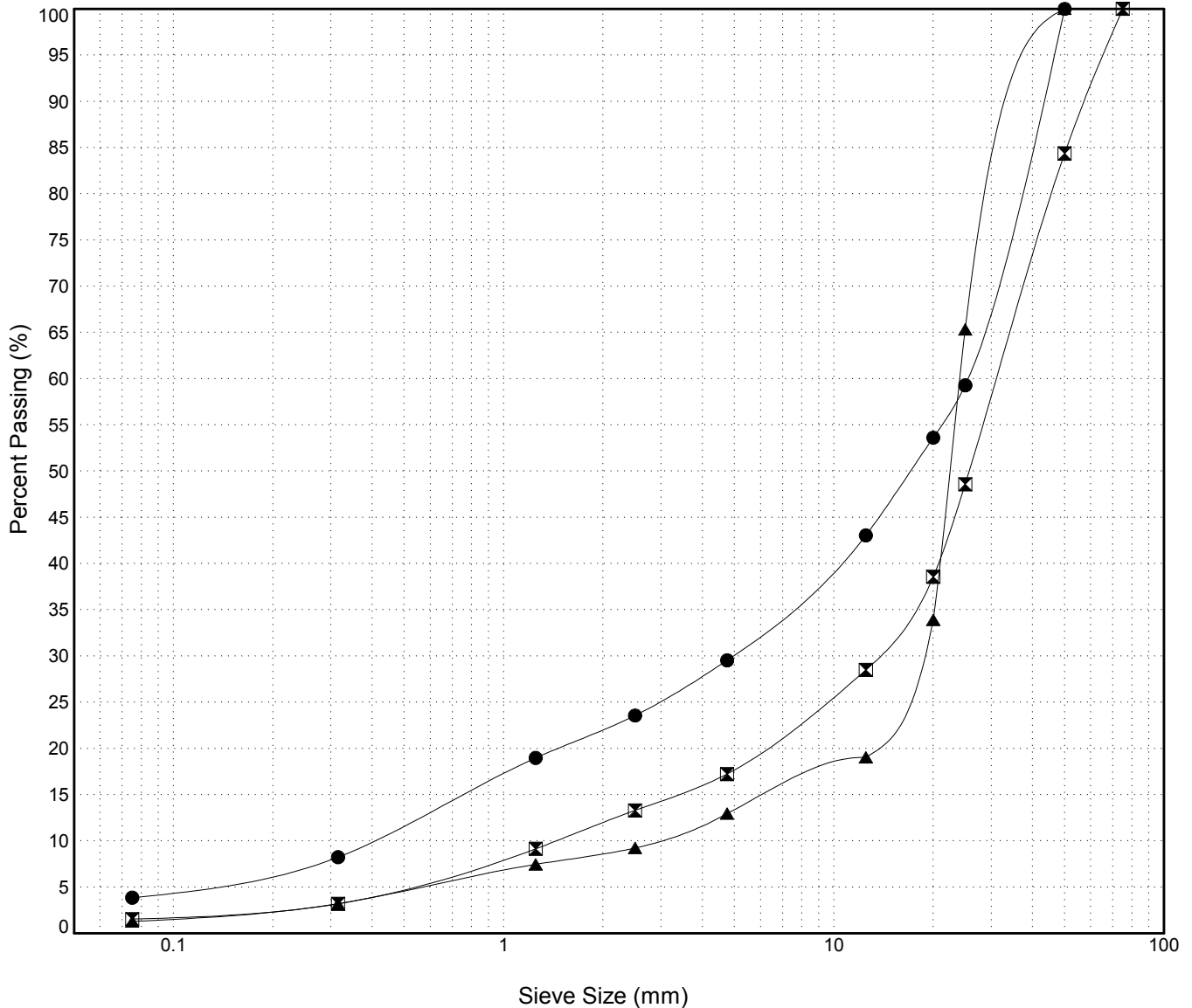
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 31	396	0.4 to 0.8	WELL-GRADED GRAVEL with SAND(GW)	1.9	NP	NP	NP	2.4	64.0
☒ 32	397	2.0 to 2.4	POORLY GRADED GRAVEL with SAND(GP)	1.5	NP	NP	NP	4.0	21.6
▲ 33	398	3.4 to 3.8	POORLY GRADED GRAVEL(GP)	1.4	NP	NP	NP	4.5	8.4

Field #	Lab #	% PASSING														% Breakdown				
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 31	396	100.0	100.0	100.0	100.0	59.3	53.6	43.0	39.9	29.5	23.6	19.0	13.6	8.2	6.2	3.9	70.5	25.7	3.9	
☒ 32	397	100.0	100.0	84.4	48.6	38.6	28.5	25.9	17.2	13.3	9.1	6.2	3.2	2.4	1.5		82.8	15.7	1.5	
▲ 33	398	100.0	100.0	100.0	65.3	33.9	19.0	17.6	13.0	9.2	7.5	5.3	3.2	2.3	1.3		87.0	11.7	1.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5286
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716575.722m E508094.1651m	ELEVATION: 749m

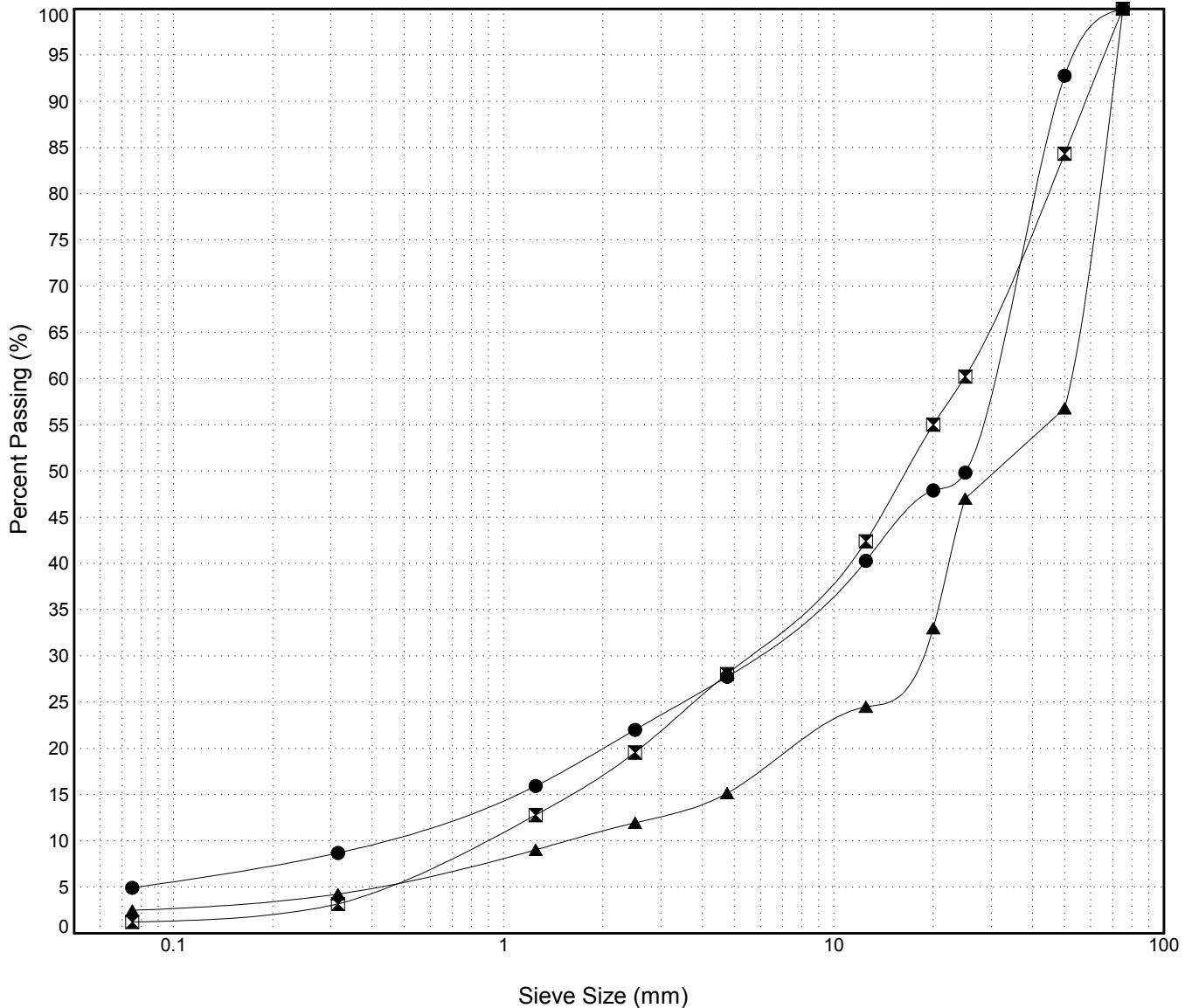
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 34	399	0.4 to 0.8	WELL-GRADED GRAVEL with SAND(GW)	2.0	NP	NP	NP	2.7	72.9
☒ 35	400	1.2 to 1.6	WELL-GRADED GRAVEL with SAND(GW)	1.3	NP	NP	NP	1.4	29.5
▲ 36	401	3.2 to 3.6	POORLY GRADED GRAVEL(GP)	1.7	NP	NP	NP	3.5	32.8

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 34	399	100.0	100.0	92.8	49.8	47.9	40.3	37.4	27.7	22.0	15.9	12.3	8.7	6.9	4.9	72.3	22.8	4.9	
☒ 35	400	100.0	100.0	84.3	60.2	55.0	42.4	39.1	28.0	19.6	12.8	8.0	3.2	2.2	1.2	72.0	26.8	1.2	
▲ 36	401	100.0	100.0	56.8	47.0	33.0	24.5	22.3	15.2	12.0	9.0	6.6	4.2	3.4	2.5	84.8	12.7	2.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5287
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716473.846m E508305.1776m	ELEVATION: 752m

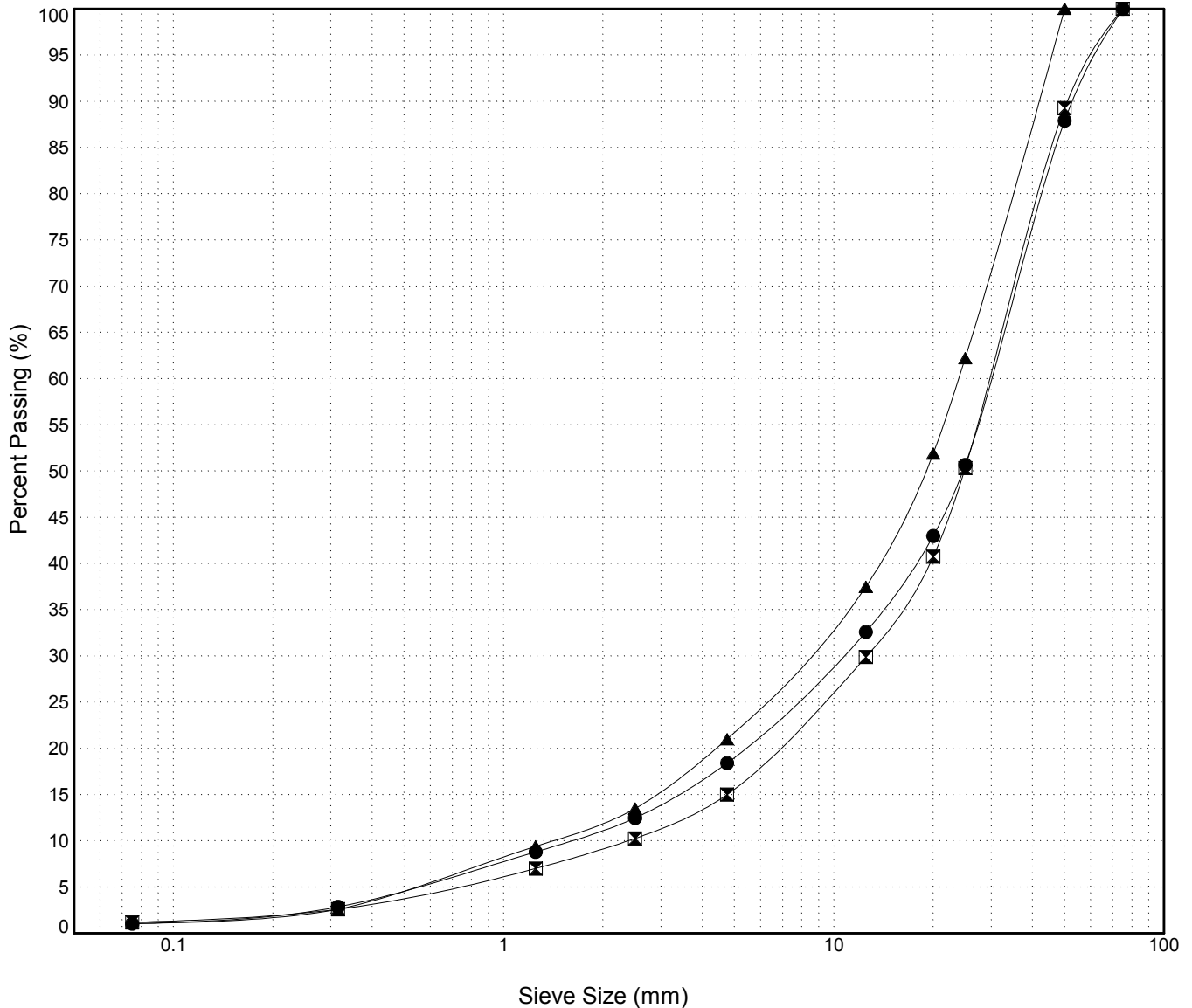
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 37	402	0.4 to 0.8	WELL-GRADED GRAVEL with SAND(GW)	1.3	NP	NP	NP	2.4	19.0
☒ 38	403	1.6 to 2.0	WELL-GRADED GRAVEL(GW)	1.3	NP	NP	NP	2.2	12.6
▲ 39	404	3.4 to 3.8	WELL-GRADED GRAVEL with SAND(GW)	1.2	NP	NP	NP	2.0	17.2

Field #	Lab #	% PASSING														% Breakdown				
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 37	402	100.0	100.0	100.0	87.9	50.7	43.0	32.6	29.3	18.4	12.5	8.8	5.8	2.9	2.0	1.0	81.6	17.4	1.0	
☒ 38	403	100.0	100.0	89.3	50.3	40.7	29.9	26.5	15.0	10.3	7.0	4.8	2.6	1.9	1.2		85.0	13.8	1.2	
▲ 39	404	100.0	100.0	100.0	62.2	51.9	37.5	33.7	21.0	13.5	9.4	6.0	2.6	1.9	1.1		79.0	20.0	1.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5288
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716391.707m E508614.6732m	ELEVATION: 761m

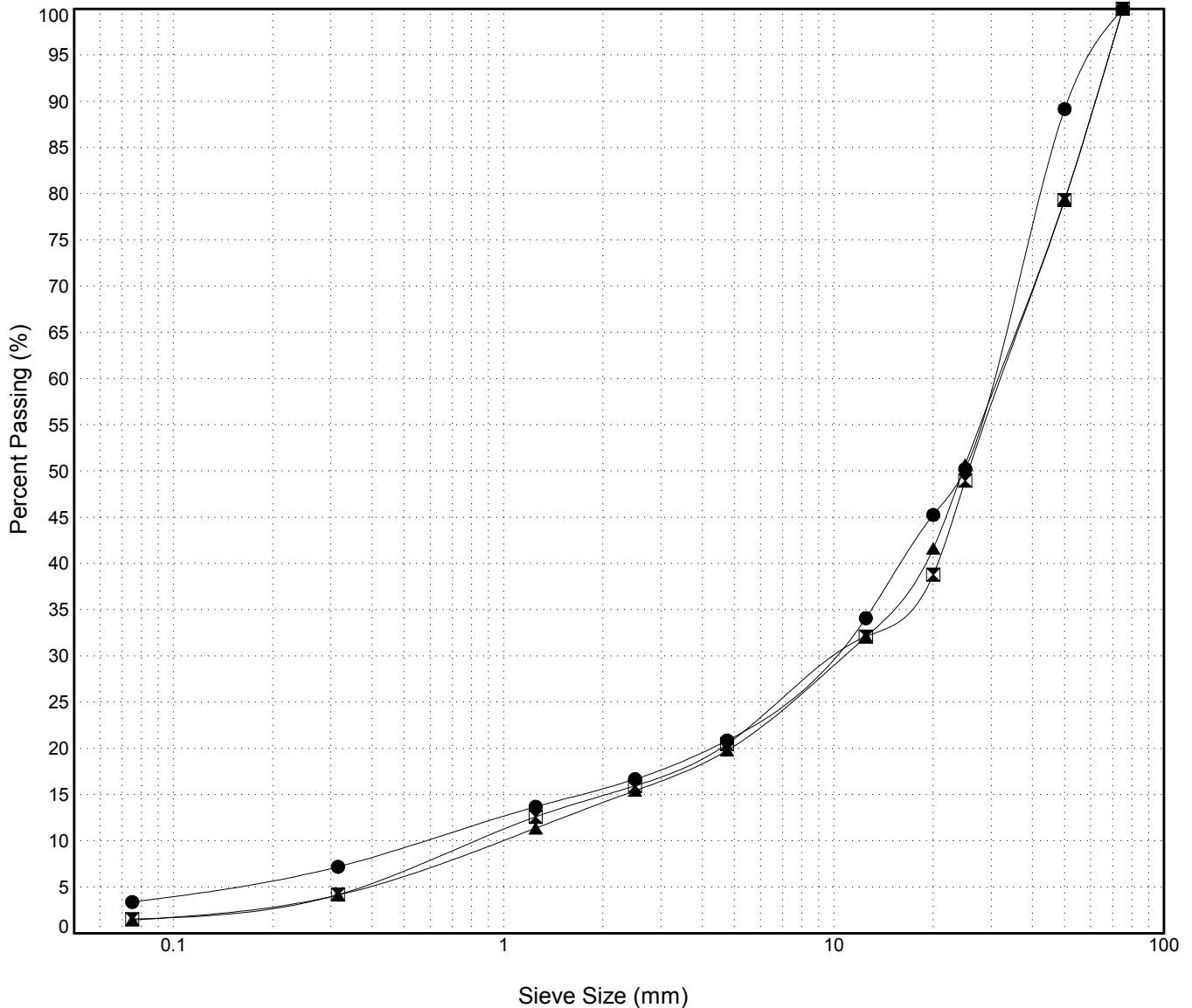
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 40	405	0.4 to 0.8	POORLY GRADED GRAVEL with SAND(GP)	2.5	NP	NP	NP	5.1	52.1
☒ 41	406	2.0 to 2.4	POORLY GRADED GRAVEL with SAND(GP)	1.6	NP	NP	NP	4.2	39.3
▲ 42	407	3.4 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	1.4	NP	NP	NP	3.7	32.5

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown		
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand
● 40	405	100.0	100.0	89.2	50.2	45.3	34.1	31.0	20.8	16.7	13.7	10.5	7.2	5.4	3.4	79.2	17.5	3.4
☒ 41	406	100.0	100.0	79.3	49.0	38.8	32.1	29.4	20.5	16.0	12.6	8.4	4.2	2.9	1.5	79.5	18.9	1.5
▲ 42	407	100.0	100.0	79.4	50.7	41.6	32.1	29.2	19.8	15.4	11.4	7.8	4.1	2.9	1.4	80.2	18.3	1.4

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5289
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716320.321m E508937.9645m	ELEVATION: 770m

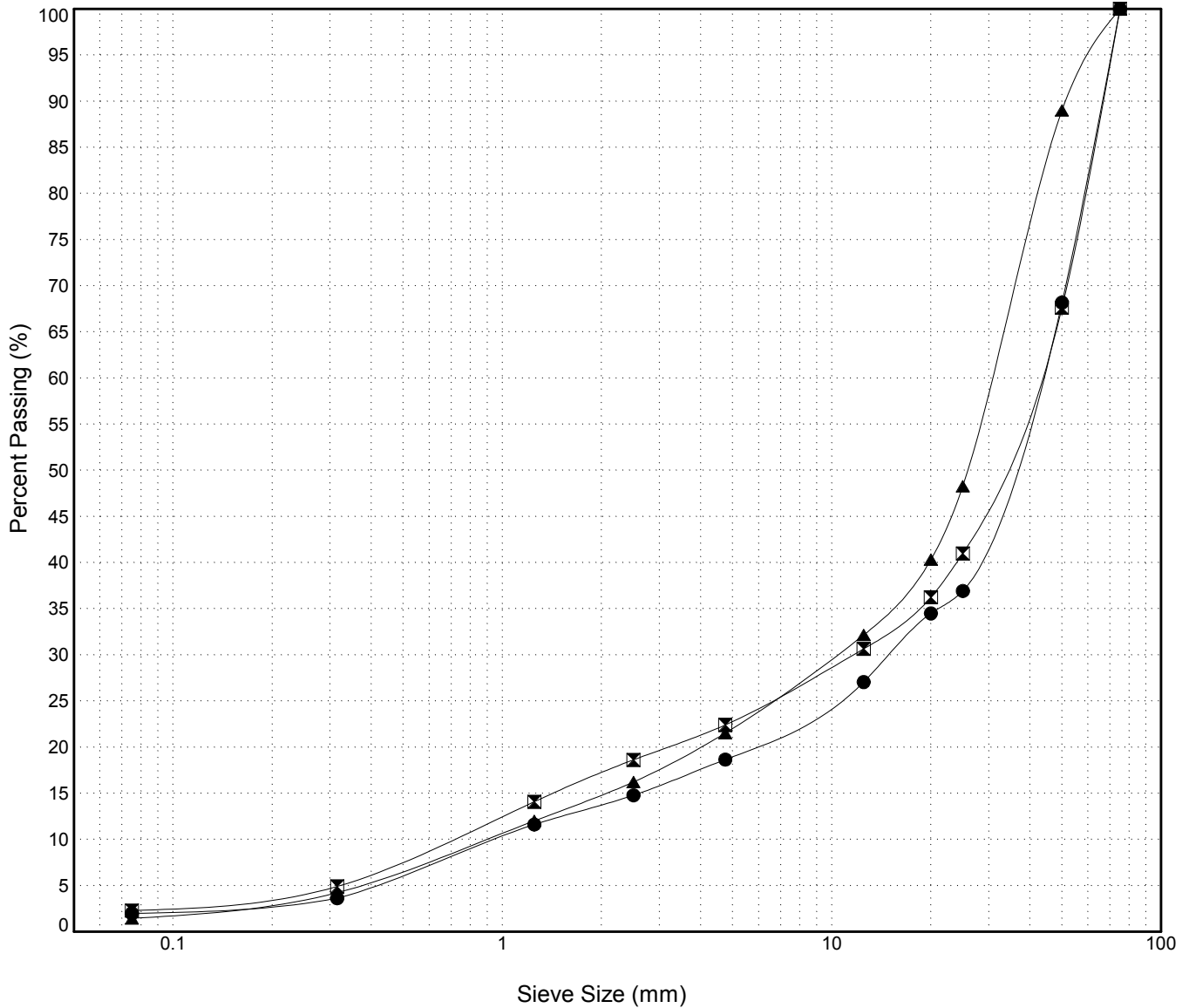
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 43	408	0.2 to 0.6	POORLY GRADED GRAVEL with SAND(GP)	2.0	NP	NP	NP	5.7	44.1
☒ 44	409	1.4 to 1.8	POORLY GRADED GRAVEL with SAND(GP)	1.7	NP	NP	NP	4.8	60.5
▲ 45	410	3.4 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	1.9	NP	NP	NP	3.9	34.8

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 43	408	100.0	100.0	68.2	36.9	34.5	27.0	25.1	18.7	14.8	11.6	7.6	3.6	2.8	2.0	81.3	16.7	2.0	
☒ 44	409	100.0	100.0	67.6	41.0	36.2	30.6	28.7	22.4	18.6	14.1	9.5	4.9	3.7	2.3	77.6	20.1	2.3	
▲ 45	410	100.0	100.0	89.0	48.3	40.3	32.2	29.7	21.5	16.2	12.0	8.1	4.2	2.9	1.4	78.5	20.1	1.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5290
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716449.766m E509299.4361m	ELEVATION: 782m

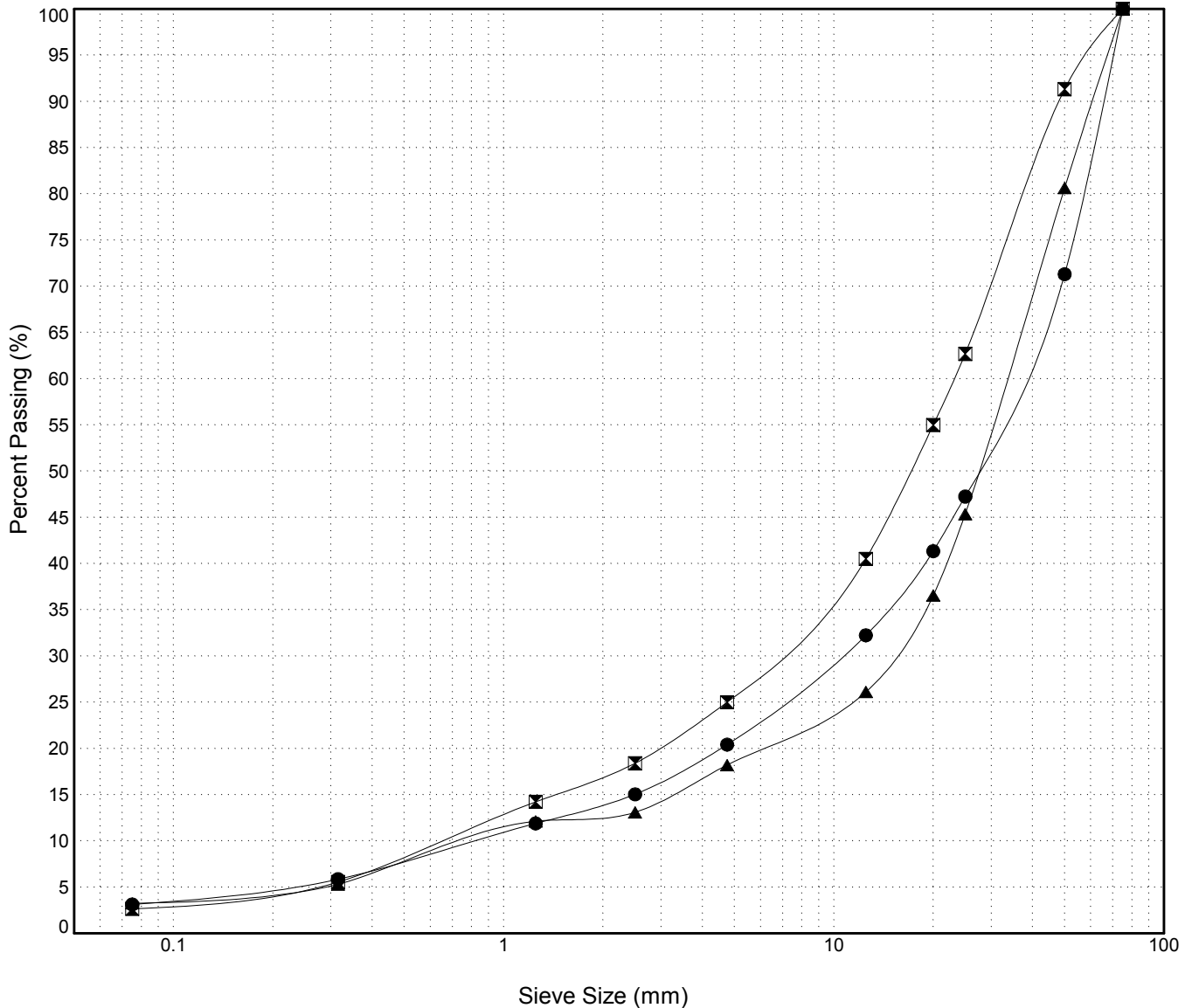
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 46	411	0.4 to 0.8	POORLY GRADED GRAVEL with SAND(GP)	3.1	NP	NP	NP	3.7	44.4
☒ 47	412	1.6 to 2.0	WELL-GRADED GRAVEL with SAND(GW)	2.1	NP	NP	NP	2.8	36.2
▲ 48	413	3.4 to 3.8	POORLY GRADED GRAVEL(GP)	1.3	NP	NP	NP	8.2	40.9

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 46	411	100.0	100.0	71.3	47.2	41.3	32.2	29.5	20.4	15.0	11.9	8.9	5.8	4.6	3.1	79.6	17.3	3.1	
☒ 47	412	100.0	100.0	91.3	62.7	55.0	40.5	36.9	25.0	18.4	14.2	9.9	5.5	4.2	2.7	75.0	22.3	2.7	
▲ 48	413	100.0	100.0	80.6	45.3	36.5	26.1	24.3	18.2	13.1	12.1	8.7	5.3	4.3	3.2	81.8	15.0	3.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5291
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716606.518m E509229.6678m	ELEVATION: 773m

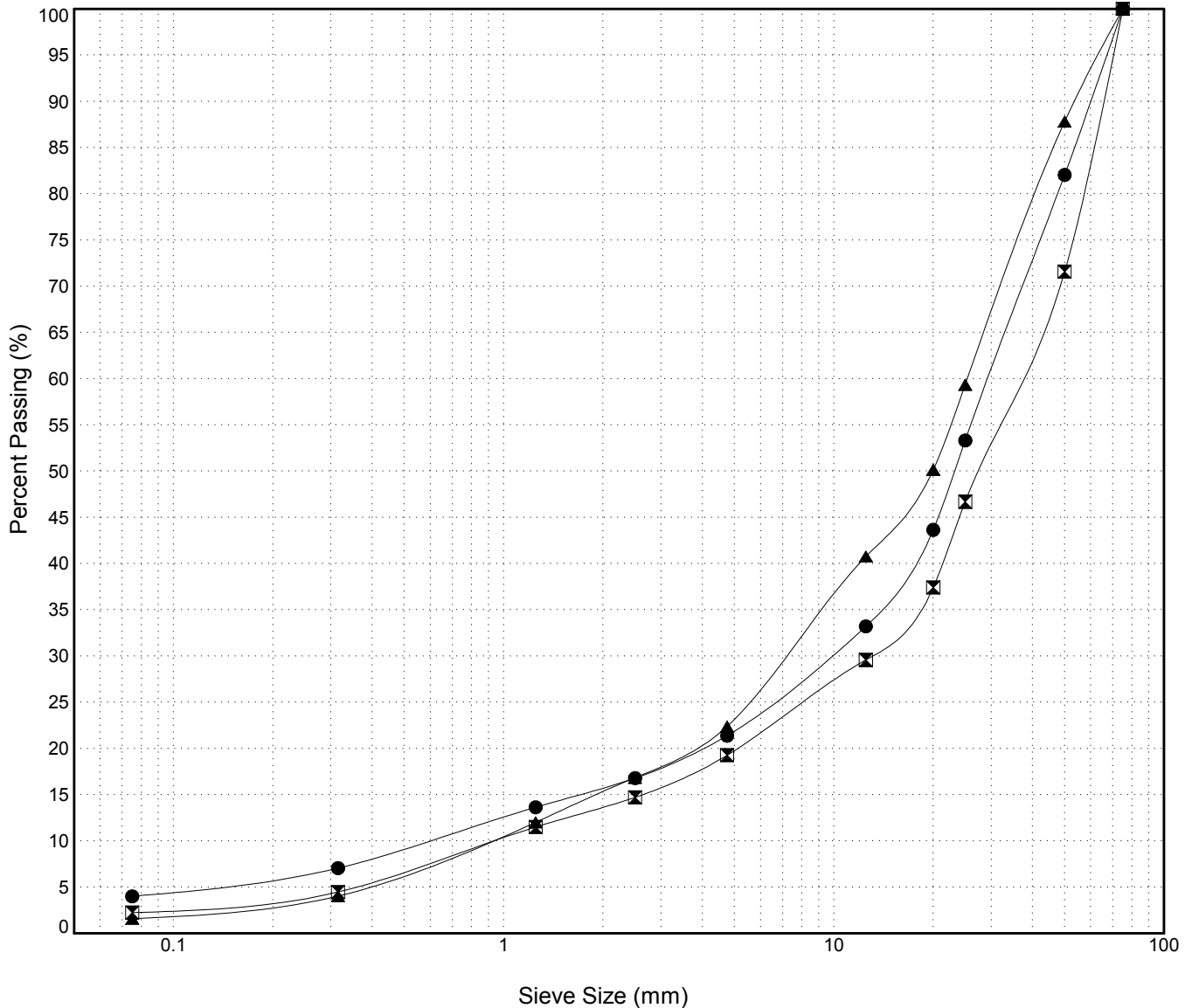
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 49	414	0.4 to 0.8	POORLY GRADED GRAVEL with SAND(GP)	2.7	NP	NP	NP	5.4	50.3
☒ 50	415	1.6 to 2.0	POORLY GRADED GRAVEL with SAND(GP)	2.3	NP	NP	NP	4.9	38.8
▲ 51	416	3.4 to 3.8	WELL-GRADED GRAVEL with SAND(GW)	1.8	NP	NP	NP	2.2	28.7

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 49	414	100.0	100.0	82.0	53.3	43.6	33.2	30.5	21.4	16.8	13.6	10.4	7.0	5.6	4.0	78.6	17.4	4.0	
☒ 50	415	100.0	100.0	71.6	46.7	37.4	29.6	27.2	19.3	14.7	11.5	8.0	4.5	3.4	2.2	80.7	17.0	2.2	
▲ 51	416	100.0	100.0	87.8	59.3	50.1	40.8	36.5	22.4	16.8	12.0	8.0	4.0	2.9	1.6	77.6	20.8	1.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5292
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716759.165m E509252.7259m	ELEVATION: 782m

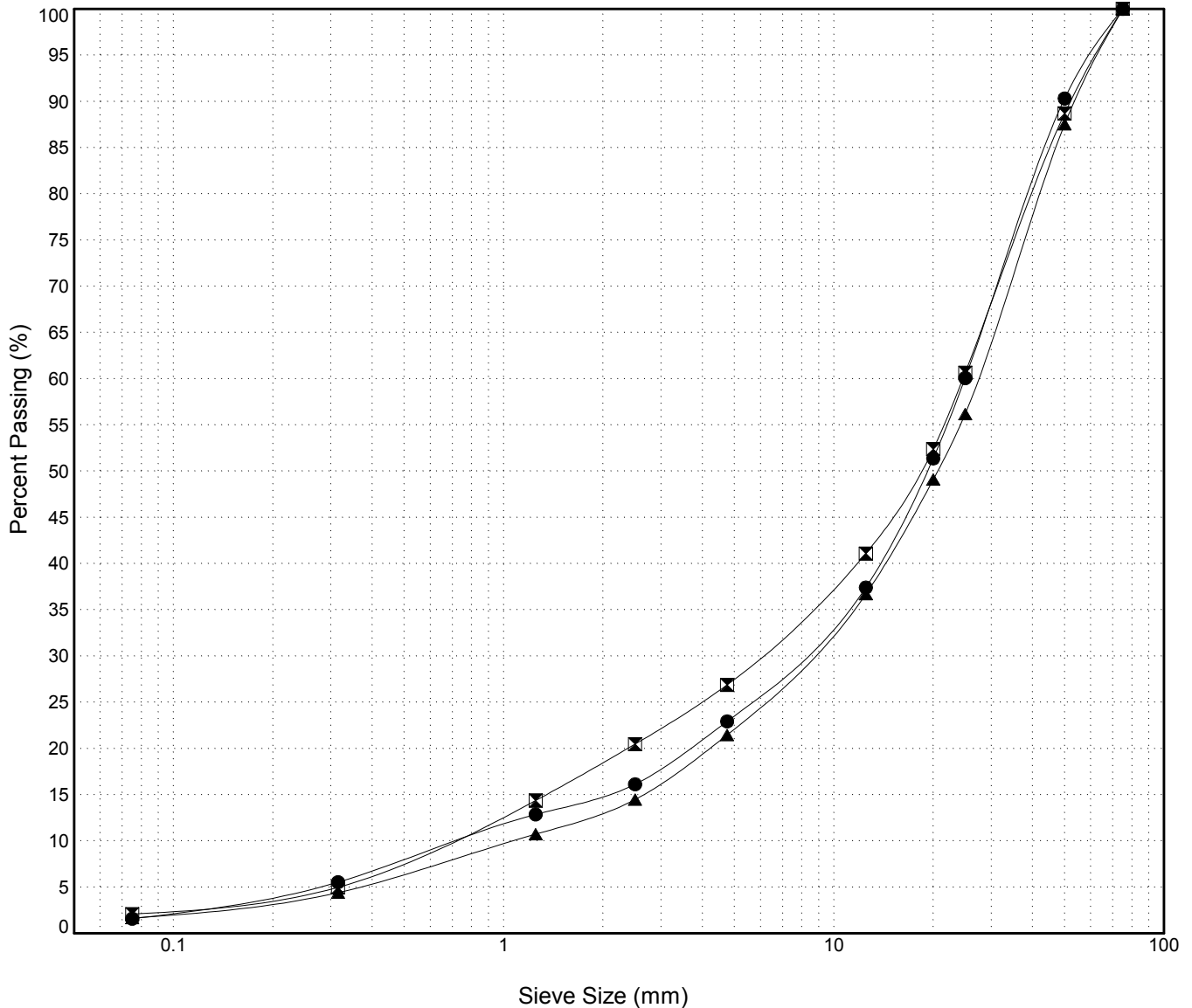
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 52	417	0.4 to 0.8	POORLY GRADED GRAVEL with SAND(GP)	1.5	NP	NP	NP	3.2	34.2
☒ 53	418	1.6 to 23.0	WELL-GRADED GRAVEL with SAND(GW)	1.6	NP	NP	NP	2.1	37.3
▲ 54	419	3.4 to 3.8	WELL-GRADED GRAVEL with SAND(GW)	1.4	NP	NP	NP	2.3	25.5

Field #	Lab #	% PASSING														% Breakdown				
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 52	417	100.0	100.0	100.0	90.3	60.1	51.4	37.4	34.1	22.9	16.1	12.9	9.2	5.5	3.7	1.6	77.1	21.3	1.6	
☒ 53	418	100.0	100.0	88.7	60.6	52.4	41.1	37.8	26.9	20.5	14.4	9.7	5.0	3.6	2.1		73.1	24.8	2.1	
▲ 54	419	100.0	100.0	87.5	56.2	49.1	36.7	33.2	21.5	14.5	10.7	7.6	4.4	3.1	1.7		78.5	19.8	1.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5293
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716812.641m E509038.8112m	ELEVATION: 781m

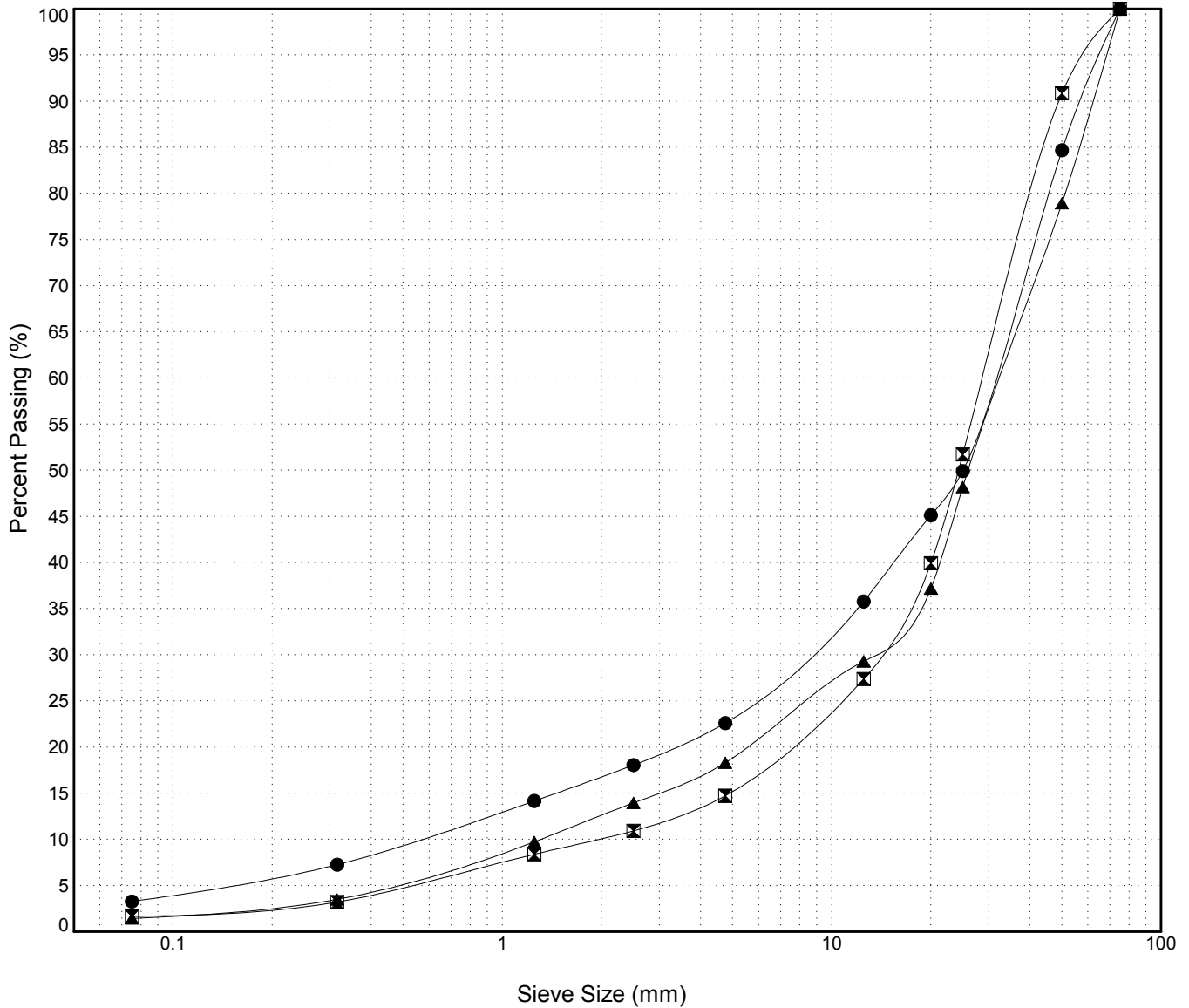
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 55	420	0.4 to 0.8	POORLY GRADED GRAVEL with SAND(GP)	1.9	NP	NP	NP	4.0	56.2
☒ 56	421	1.6 to 2.0	POORLY GRADED GRAVEL(GP)	1.4	NP	NP	NP	3.4	14.9
▲ 57	422	3.4 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	1.4	NP	NP	NP	4.0	25.0

Field #	Lab #	% PASSING														% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 55	420	100.0	100.0	84.7	49.9	45.1	35.8	32.7	22.6	18.0	14.2	10.7	7.3	5.4	3.3	77.4	19.3	3.3	
☒ 56	421	100.0	100.0	90.8	51.7	39.9	27.4	24.5	14.7	10.9	8.4	5.8	3.2	2.5	1.6	85.3	13.1	1.6	
▲ 57	422	100.0	100.0	78.9	48.2	37.2	29.3	26.8	18.3	14.0	9.7	6.6	3.5	2.5	1.4	81.7	16.9	1.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5294
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716696.368m E508996.8062m	ELEVATION: 774m

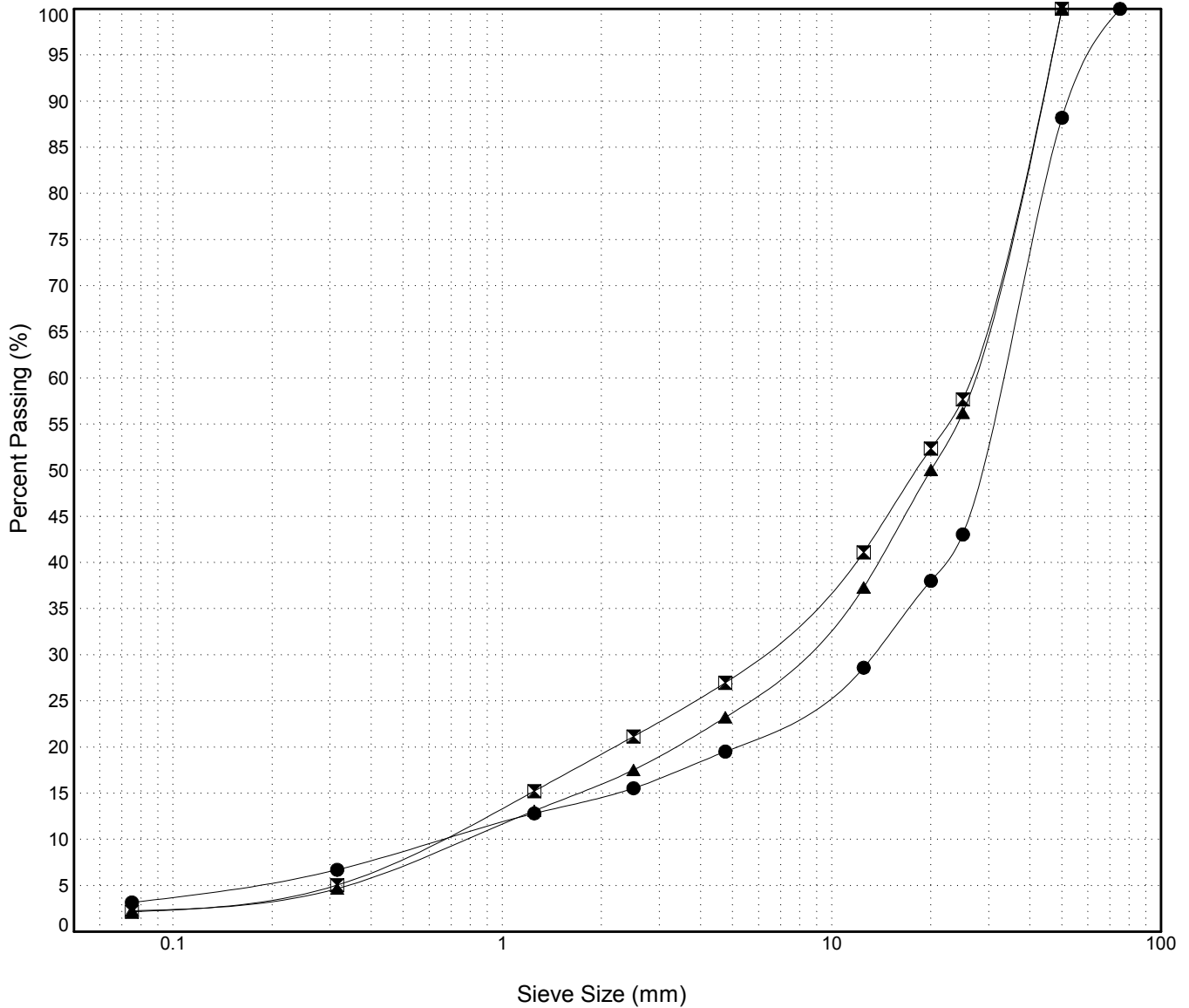
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 58	423	0.4 to 0.8	POORLY GRADED GRAVEL with SAND(GP)	1.8	NP	NP	NP	8.4	49.0
☒ 59	424	2.0 to 2.4	WELL-GRADED GRAVEL with SAND(GW)	1.5	NP	NP	NP	2.1	42.1
▲ 60	425	3.4 to 3.8	WELL-GRADED GRAVEL with SAND(GW)	2.3	NP	NP	NP	2.9	35.3

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 58	423	100.0	100.0	88.2	43.0	38.0	28.6	26.5	19.5	15.5	12.8	9.8	6.7	5.0	3.2	80.5	16.3	3.2	
☒ 59	424	100.0	100.0	100.0	57.7	52.3	41.1	37.9	27.0	21.1	15.2	10.2	5.0	3.7	2.2	73.0	24.8	2.2	
▲ 60	425	100.0	100.0	100.0	56.2	50.0	37.3	34.1	23.2	17.5	13.1	8.9	4.7	3.5	2.3	76.8	20.9	2.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5295
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716881.048m E508450.6262m	ELEVATION: 762m

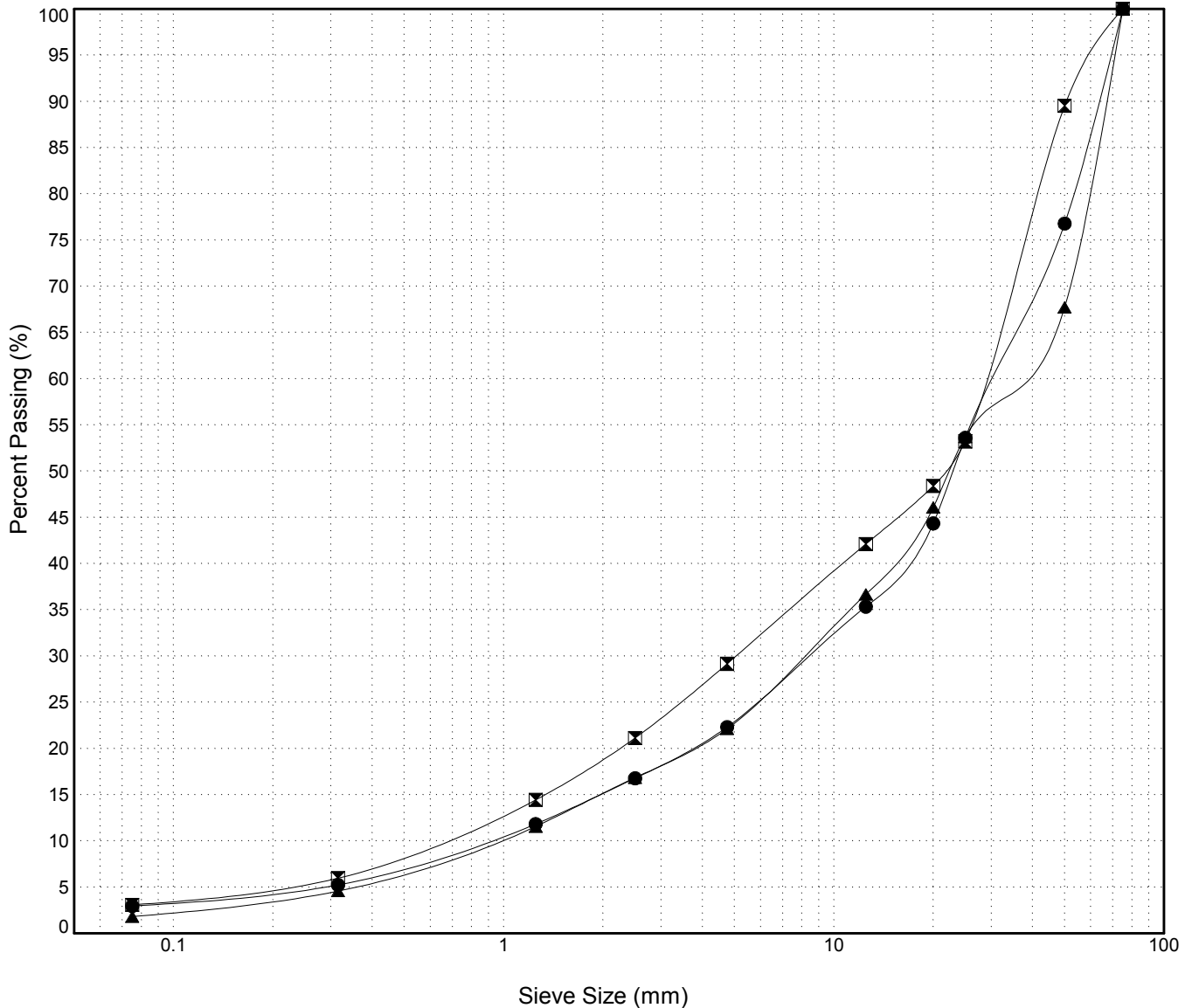
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 61	426	0.4 to 0.8	WELL-GRADED GRAVEL with SAND(GW)	1.6	NP	NP	NP	2.7	35.4
☒ 62	427	1.6 to 2.0	WELL-GRADED GRAVEL with SAND(GW)	1.4	NP	NP	NP	1.5	46.8
▲ 63	428	3.4 to 3.8	WELL-GRADED GRAVEL with SAND(GW)	1.5	NP	NP	NP	2.0	37.1

Field #	Lab #	% PASSING														% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 61	426	100.0	100.0	76.8	53.6	44.3	35.3	32.3	22.3	16.8	11.8	8.5	5.2	4.2	3.0	77.7	19.4	3.0	
☒ 62	427	100.0	100.0	89.5	53.2	48.4	42.1	39.1	29.2	21.1	14.4	10.2	6.0	4.6	3.1	70.8	26.1	3.1	
▲ 63	428	100.0	100.0	67.7	53.7	46.1	36.7	33.3	22.1	16.8	11.5	8.1	4.6	3.3	1.8	77.9	20.3	1.8	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5296
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716697.273m E508402.6243m	ELEVATION: 757m

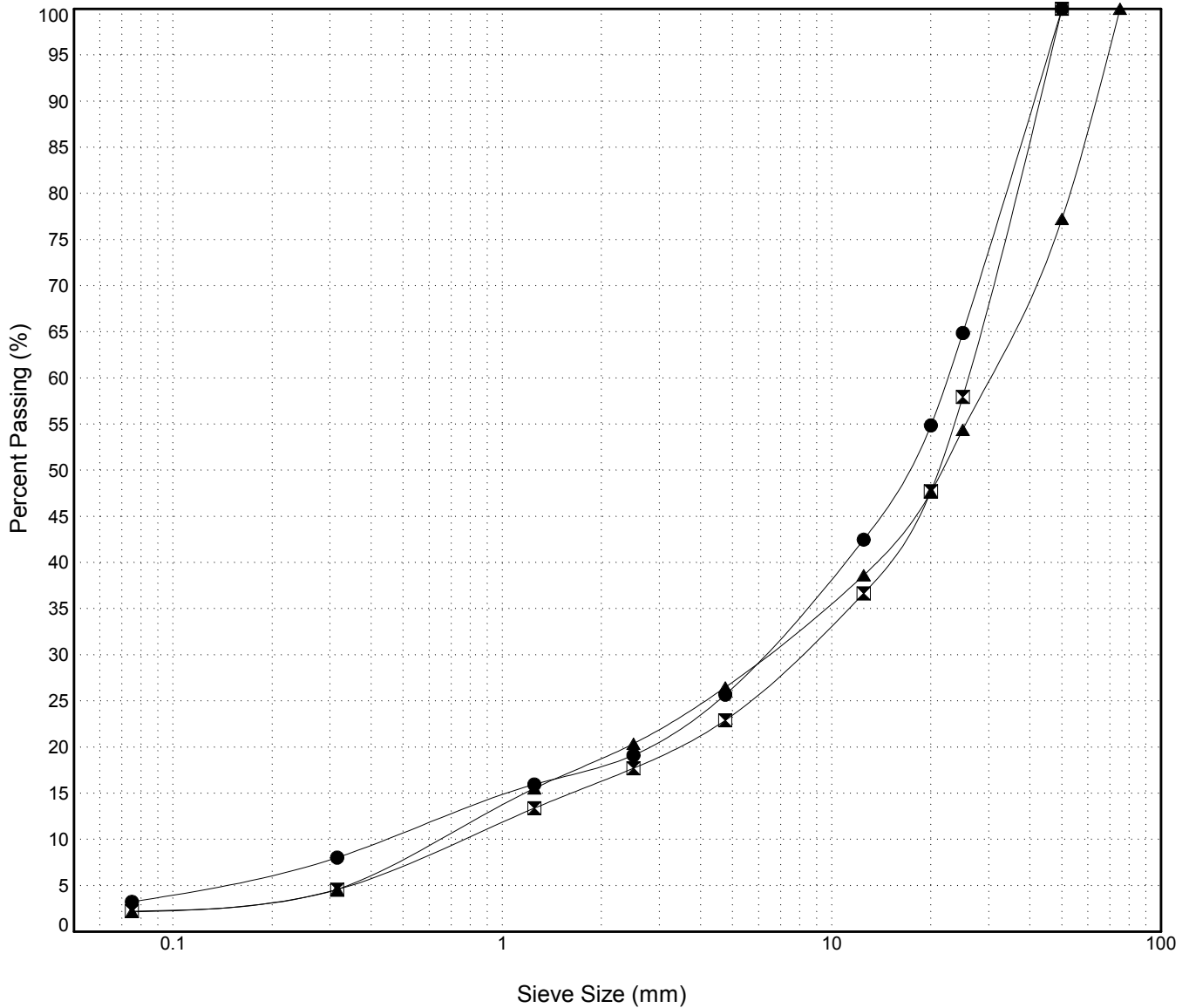
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 64	429	0.4 to 0.8	POORLY GRADED GRAVEL with SAND(GP)	1.6	NP	NP	NP	3.7	50.5
☒ 65	430	1.6 to 2.0	POORLY GRADED GRAVEL with SAND(GP)	1.6	NP	NP	NP	3.2	35.1
▲ 66	431	3.4 to 3.8	WELL-GRADED GRAVEL with SAND(GW)	1.5	NP	NP	NP	2.1	47.5

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 64	429	100.0	100.0	100.0	64.9	54.9	42.5	38.6	25.7	19.1	16.0	12.0	8.0	5.8	3.2	74.3	22.4	3.2	
☒ 65	430	100.0	100.0	100.0	57.9	47.7	36.7	33.5	22.9	17.7	13.4	9.0	4.6	3.5	2.2	77.1	20.7	2.2	
▲ 66	431	100.0	100.0	77.2	54.4	47.6	38.6	35.8	26.5	20.4	15.5	10.1	4.6	3.4	2.1	73.5	24.3	2.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5297
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716608.404m E508688.998m	ELEVATION: 762m

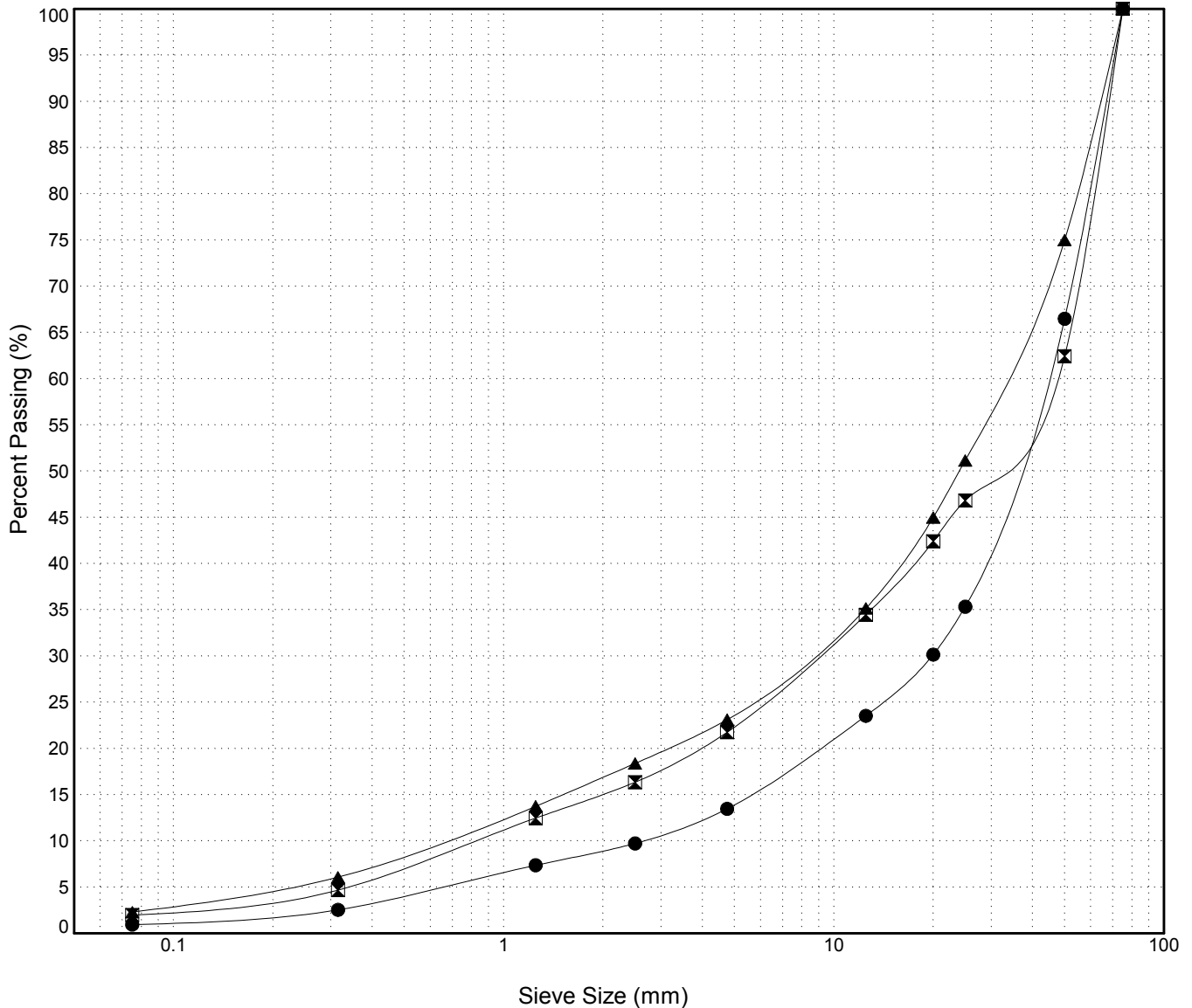
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 67	432	0.4 to 0.8	POORLY GRADED GRAVEL(GP)	1.8	NP	NP	NP	3.4	16.5
☒ 68	433	2.2 to 2.6	WELL-GRADED GRAVEL with SAND(GW)	1.5	NP	NP	NP	2.2	55.5
▲ 69	434	3.4 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	1.7	NP	NP	NP	3.3	50.6

Field #	Lab #	% PASSING														% Breakdown			
		100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 67	432	100.0	100.0	66.5	35.3	30.1	23.5	21.2	13.5	9.7	7.4	5.0	2.5	1.8	0.9	86.5	12.5	0.9	
☒ 68	433	100.0	100.0	62.4	46.8	42.4	34.5	31.5	21.7	16.3	12.5	8.6	4.7	3.4	2.0	78.3	19.8	2.0	
▲ 69	434	100.0	100.0	75.0	51.1	45.0	35.1	32.4	23.1	18.4	13.7	9.9	6.1	4.3	2.3	76.9	20.8	2.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5298
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716545.415m E508982.3895m	ELEVATION: 769m

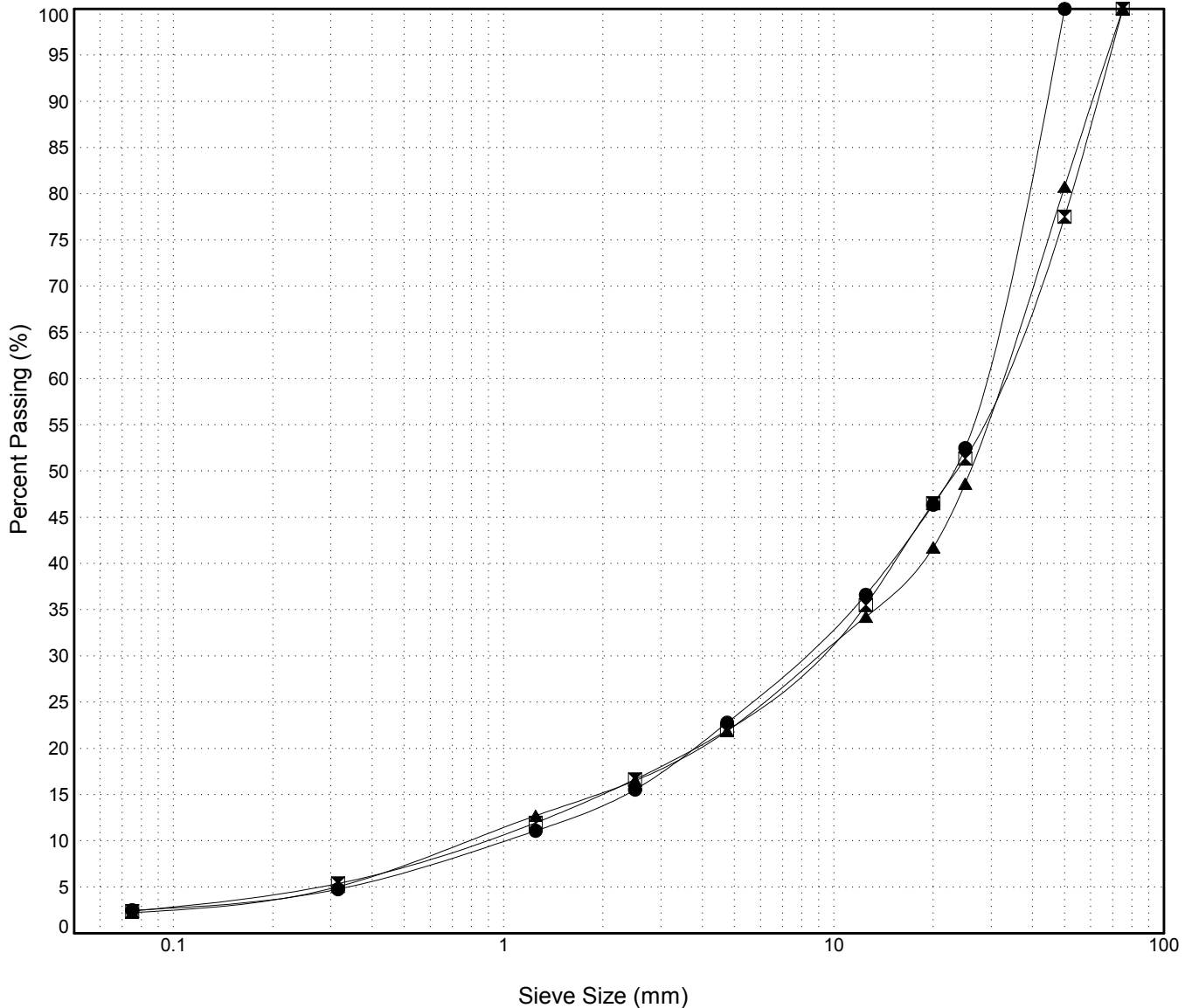
Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 70	435	0.4 to 0.8	WELL-GRADED GRAVEL with SAND(GW)	1.7	NP	NP	NP	2.3	28.3
☒ 71	436	2.0 to 2.4	WELL-GRADED GRAVEL with SAND(GW)	1.6	NP	NP	NP	2.7	37.9
▲ 72	437	3.4 to 3.8	POORLY GRADED GRAVEL with SAND(GP)	1.8	NP	NP	NP	3.3	41.6

Field #	Lab #	% PASSING	Sieve Size (mm)													% Breakdown			
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt
● 70	435	100.0	100.0	100.0	100.0	52.5	46.4	36.6	33.4	22.8	15.5	11.1	7.9	4.8	3.7	2.5	77.2	20.3	2.5
☒ 71	436	100.0	100.0	77.5	51.4	46.5	35.5	32.4	22.0	16.6	12.0	8.7	5.4	4.0	2.4	78.0	19.5	2.4	
▲ 72	437	100.0	100.0	80.8	48.6	41.7	34.2	31.4	21.9	16.5	12.7	8.9	5.0	3.7	2.2	78.1	19.7	2.2	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	Klondike Highway South	SOURCE/TP#: 879-5299
Arctic Backhoe	km 156 RHS	PROJECT NO: 552-202101-0908-1-3
CAT Excavator 315D	Coordinates:Z N6716821.881m E508766.3897m	ELEVATION: 765m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 73	438	0.4 to 0.8	WELL-GRADED GRAVEL with SAND(GW)	1.4	NP	NP	NP	1.9	15.7
☒ 74	439	1.6 to 2.0	POORLY GRADED GRAVEL(GP)	1.2	NP	NP	NP	3.5	17.9
▲ 75	441	3.4 to 3.8	WELL-GRADED GRAVEL with SAND(GW)	1.9	NP	NP	NP	2.6	29.2

Field #	Lab #	% PASSING														% Breakdown				
			100.0	80.0	50.0	25.0	20.0	12.5	10.0	5.0	2.5	1.25	0.630	0.315	0.160	0.080	Gravel	Sand	Silt	Clay
● 73	438	100.0	100.0	100.0	87.7	64.9	54.0	39.3	34.9	20.1	13.1	9.2	6.0	2.7	2.0	1.1	79.9	19.0	1.1	
☒ 74	439	100.0	100.0	86.9	50.1	42.9	28.1	25.2	15.5	11.4	8.9	6.1	3.3	2.5	1.6		84.5	13.9	1.6	
▲ 75	441	100.0	100.0	88.5	54.3	45.1	35.9	32.6	21.9	16.1	11.2	8.0	4.8	3.6	2.3		78.1	19.5	2.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

