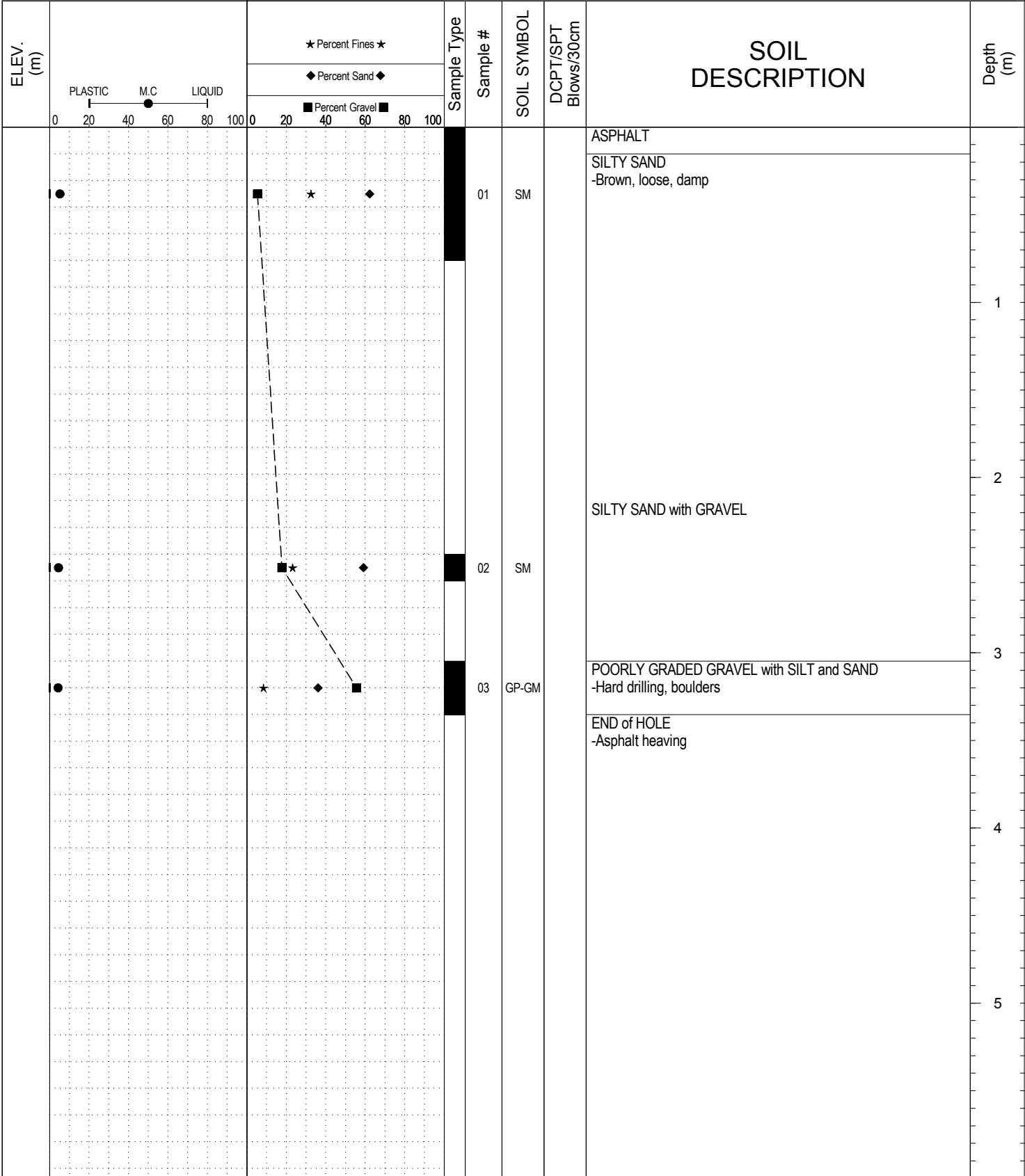


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5300

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6741750m E488829m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5301

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6741937m E488811m ELEVATION: m

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							
									ASPHALT	
									SILTY SAND with GRAVEL -Light brown, loose dry	1
									-Brown, damp	2
									-Hard drilling, boulders	3
										4
										5
									END of HOLE	

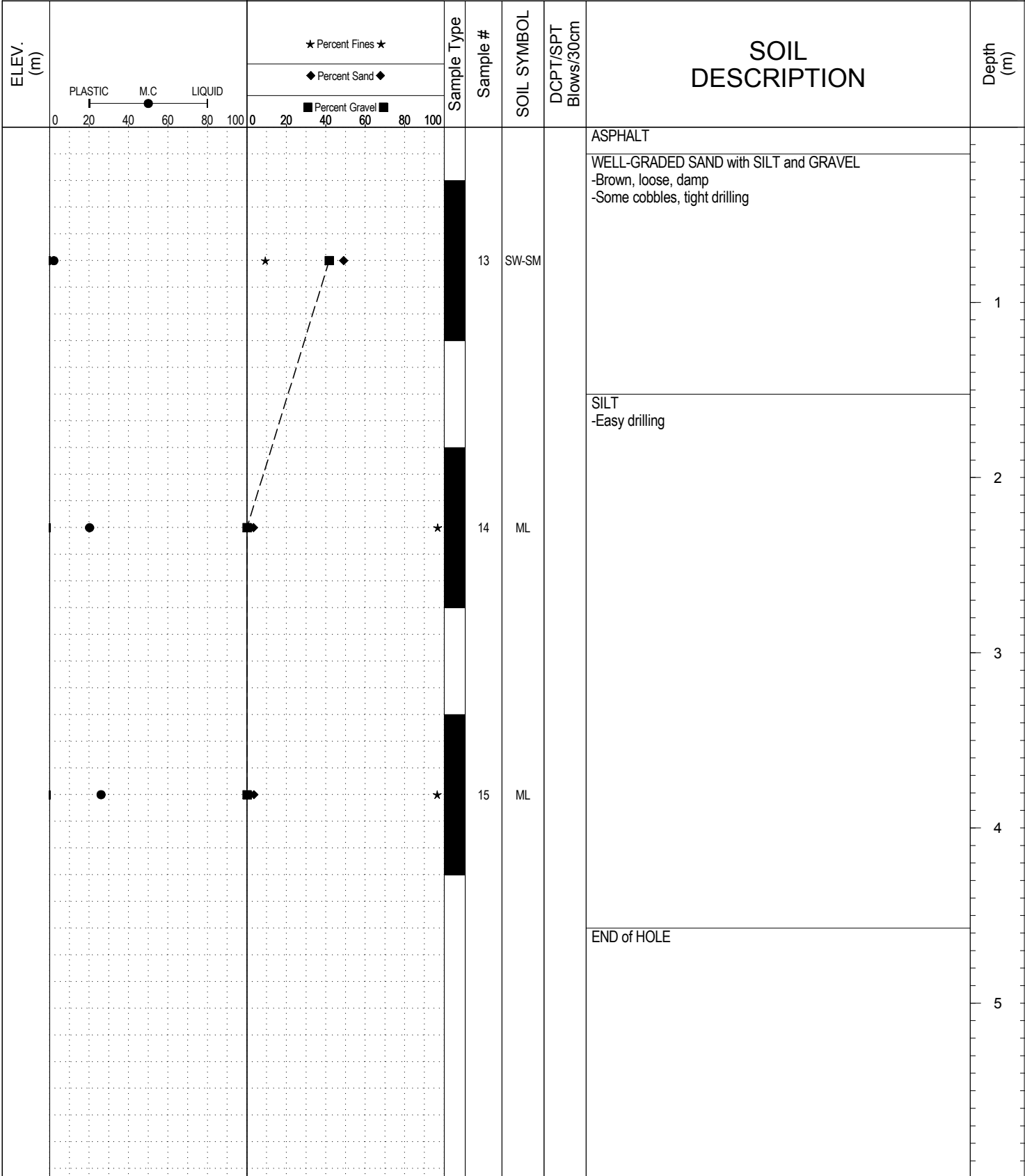
SUBSURFACE EXPLORATION AND TEST REPORT		North Klondike Highway		SOURCE/TP#: 884-5303						
Midnight Sun Drilling		N.Klondike CL, 191.6-196.8		PROJECT NO:						
ODEX		Coordinates: Z08V N6742290m E488875m		ELEVATION: m						
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK					
		<input 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)
									ASPHALT	
						10	GP-GM		POORLY GRADED GRAVEL with SILT and SAND -Brown, loose -Rough drilling, some cobbles	1
									SILT with GRAVEL -Brown, loose -fewer cobbles	2
						11	ML			
									SILT -Moist -Very easy drilling	3
						12	ML			4
									END of HOLE	5

SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5304

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6742482m E488978m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



SUBSURFACE EXPLORATION AND TEST REPORT		North Klondike Highway		SOURCE/TP#: 884-5305					
Midnight Sun Drilling		N.Klondike CL, 191.6-196.8		PROJECT NO:					
ODEX		Coordinates: Z08V N6742649m E489083m		ELEVATION: m					
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)
		0 20 40 60 80 100 0 20 40 60 80 100							
								ASPHALT WELL-GRADED SAND with SILT and GRAVEL -Brown, loose, damp -Some cobbles, tight drilling	1
								SILT -Grey, moist, soft	2
									3
									4
									5
								END of HOLE	

SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5306

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6742833m E489204m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

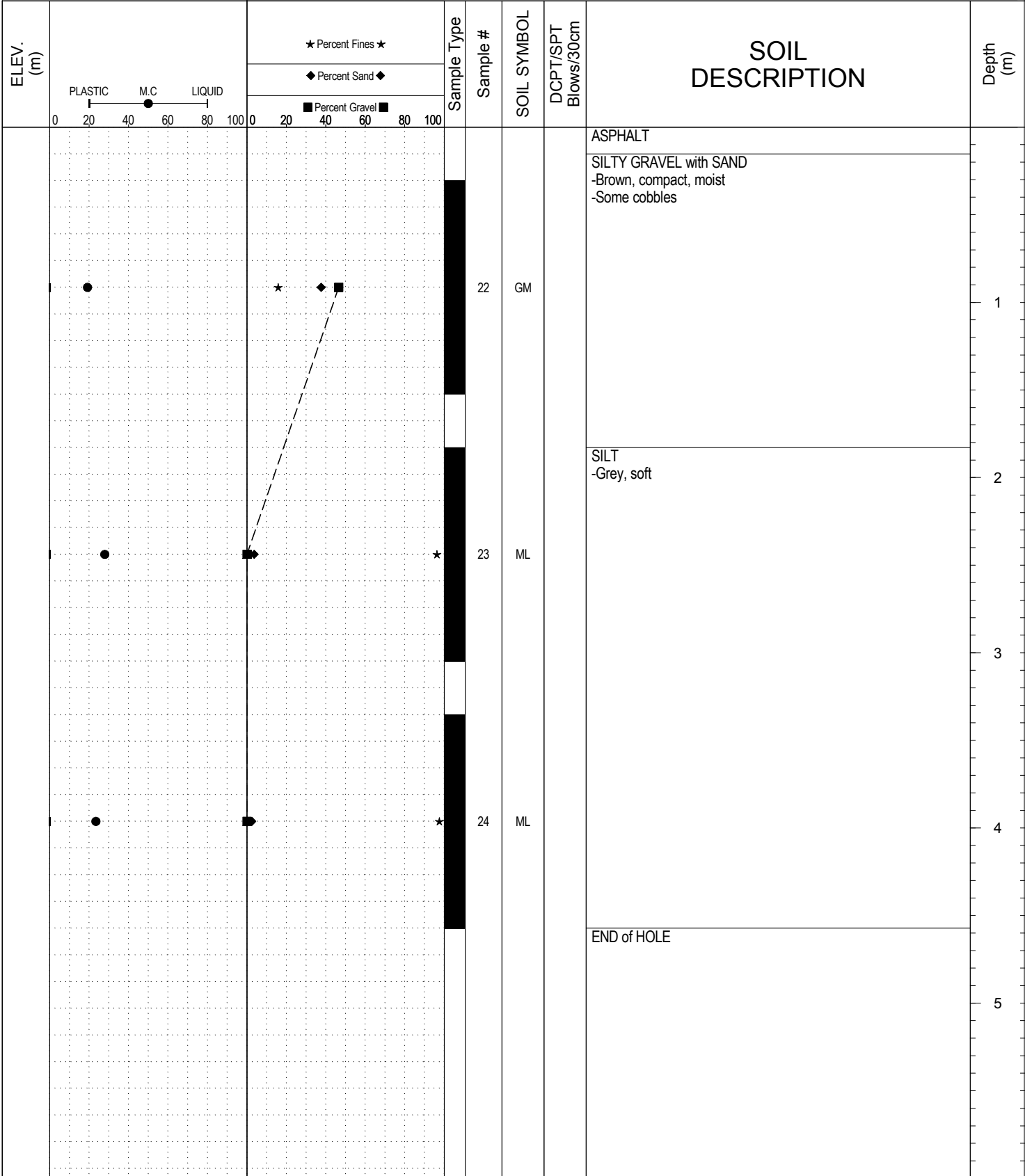
ELEV. (m)	PLASTICITY INDEX		PERCENT FINES		Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	PL	LI	★	◆						
19.7	10	50	45	55	■	19	SM		ASPHALT	0.0 - 1.0
19.7	10	50	45	55	■	19	SM		SILTY SAND with GRAVEL -Brown, compact -Some cobbles	1.0 - 2.0
20.0	10	50	45	55	■	20	ML		SILT -Brown, moist	2.0 - 3.0
20.0	10	50	45	55	■	20	ML		-Grey	3.0 - 4.0
21.0	10	50	45	55	■	21	ML			4.0 - 5.0
									END of HOLE	5.0 - 19.7

SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5307

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6743023m E489323m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

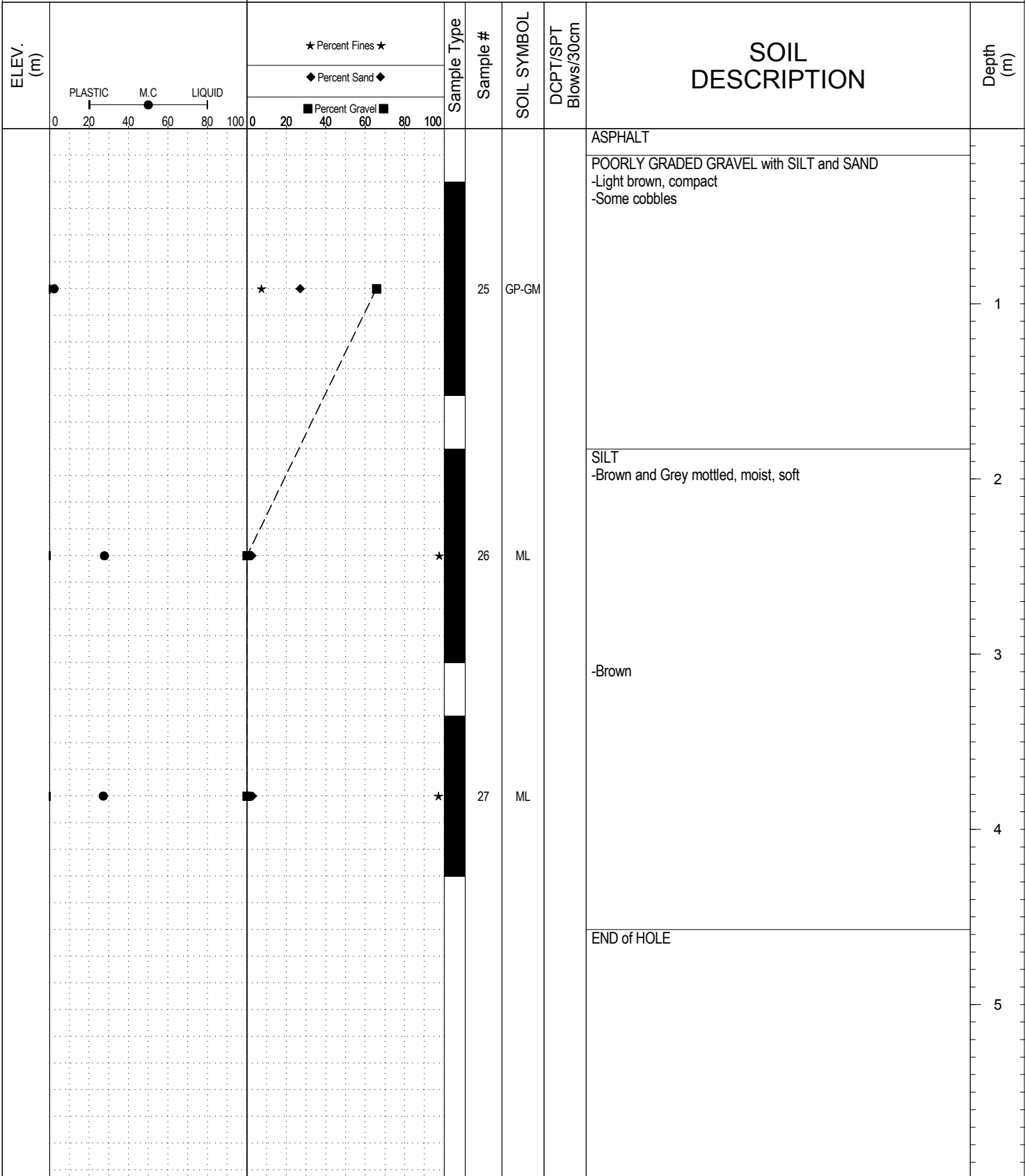


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5308

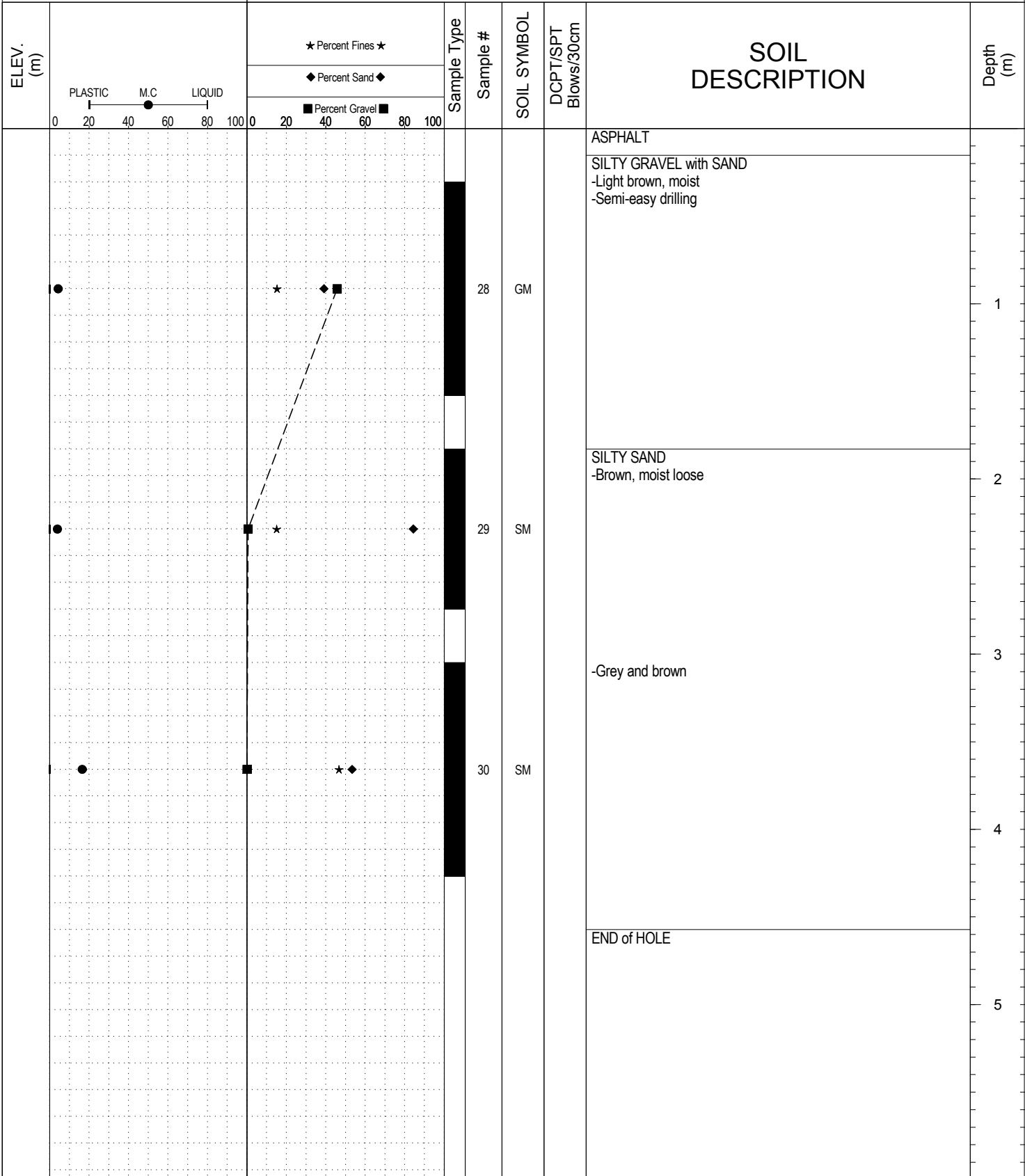
Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6743173m E489418m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

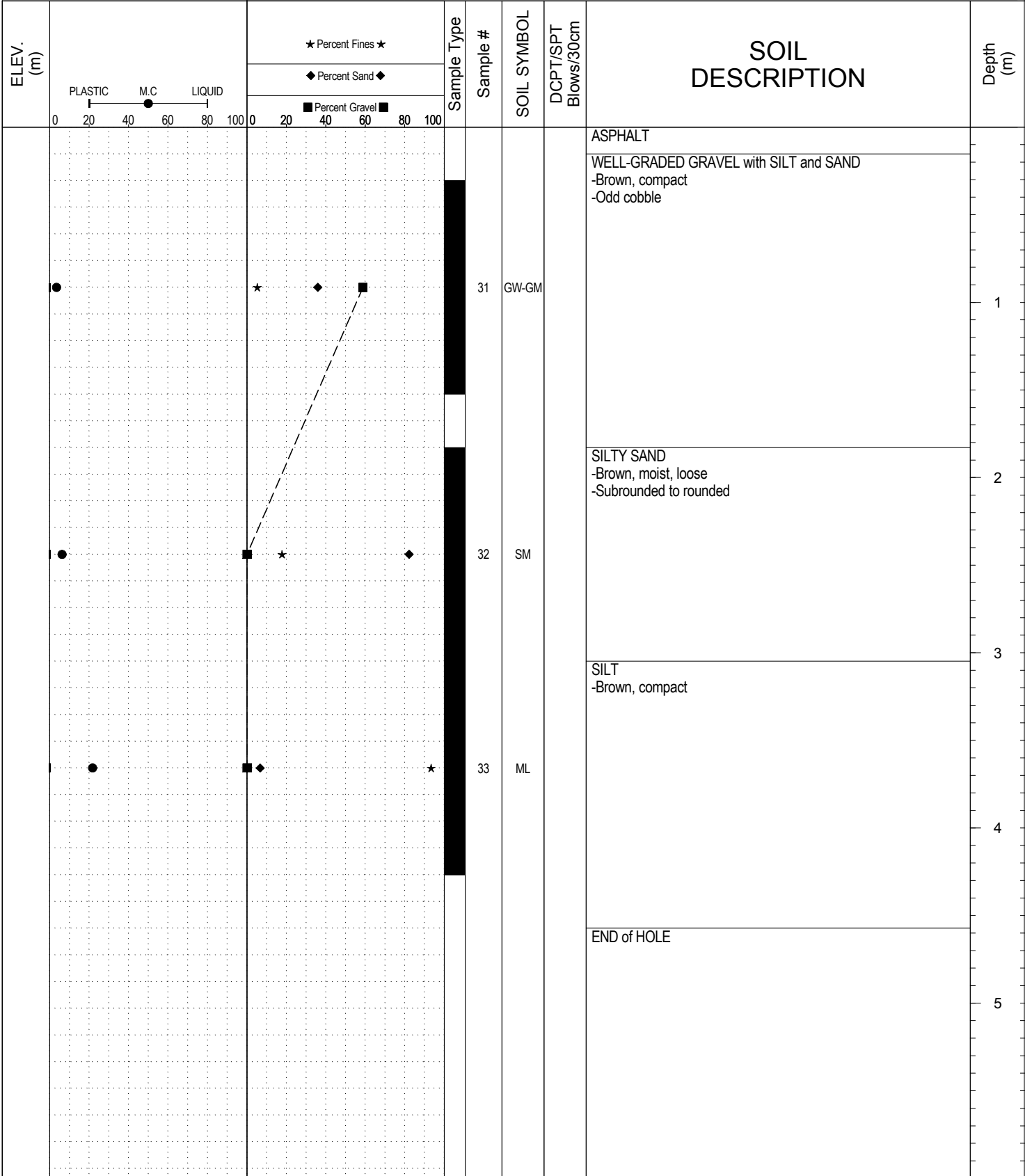


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5310

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6743508m E489636m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

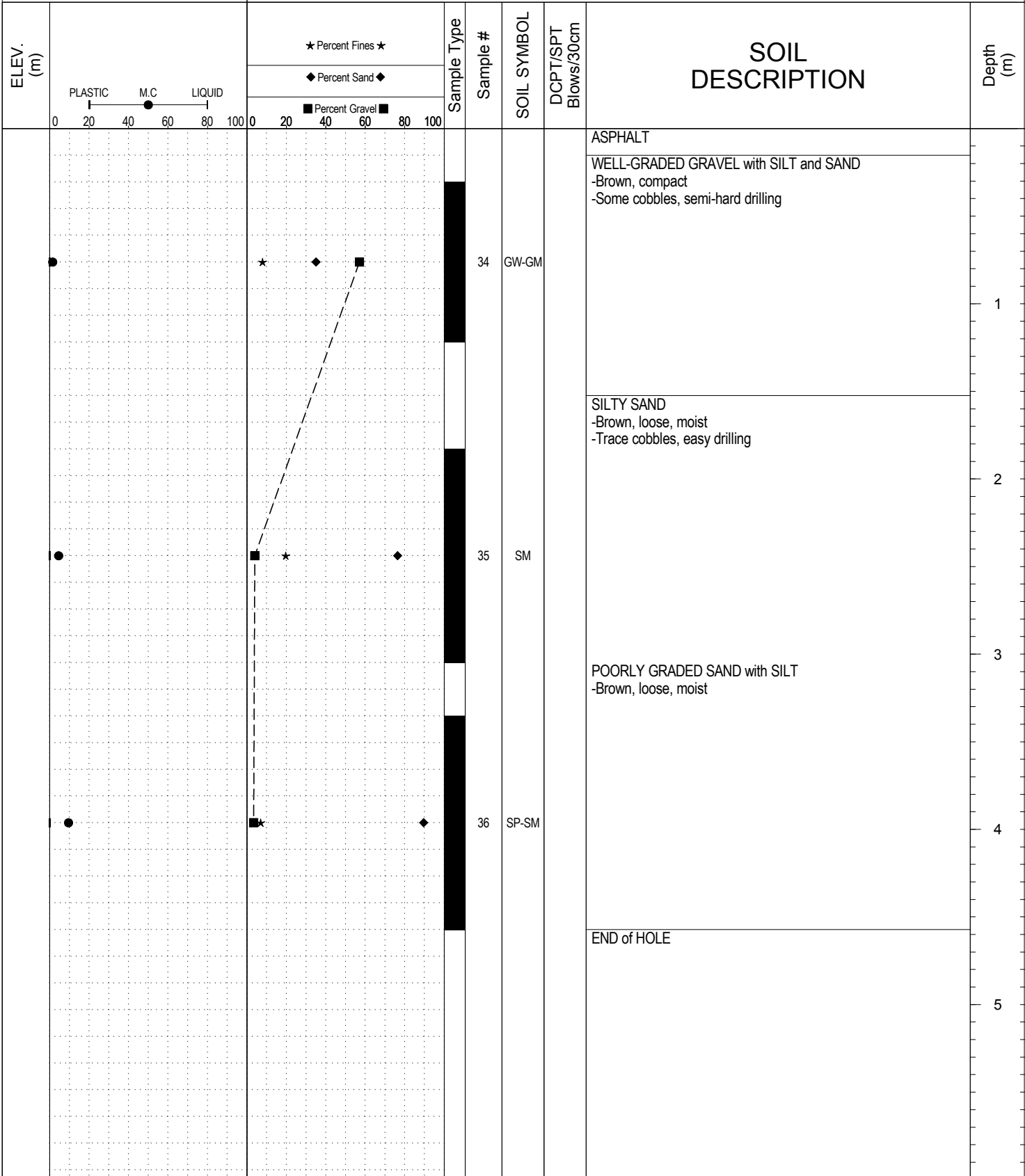


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5311

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6743679m E489741m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

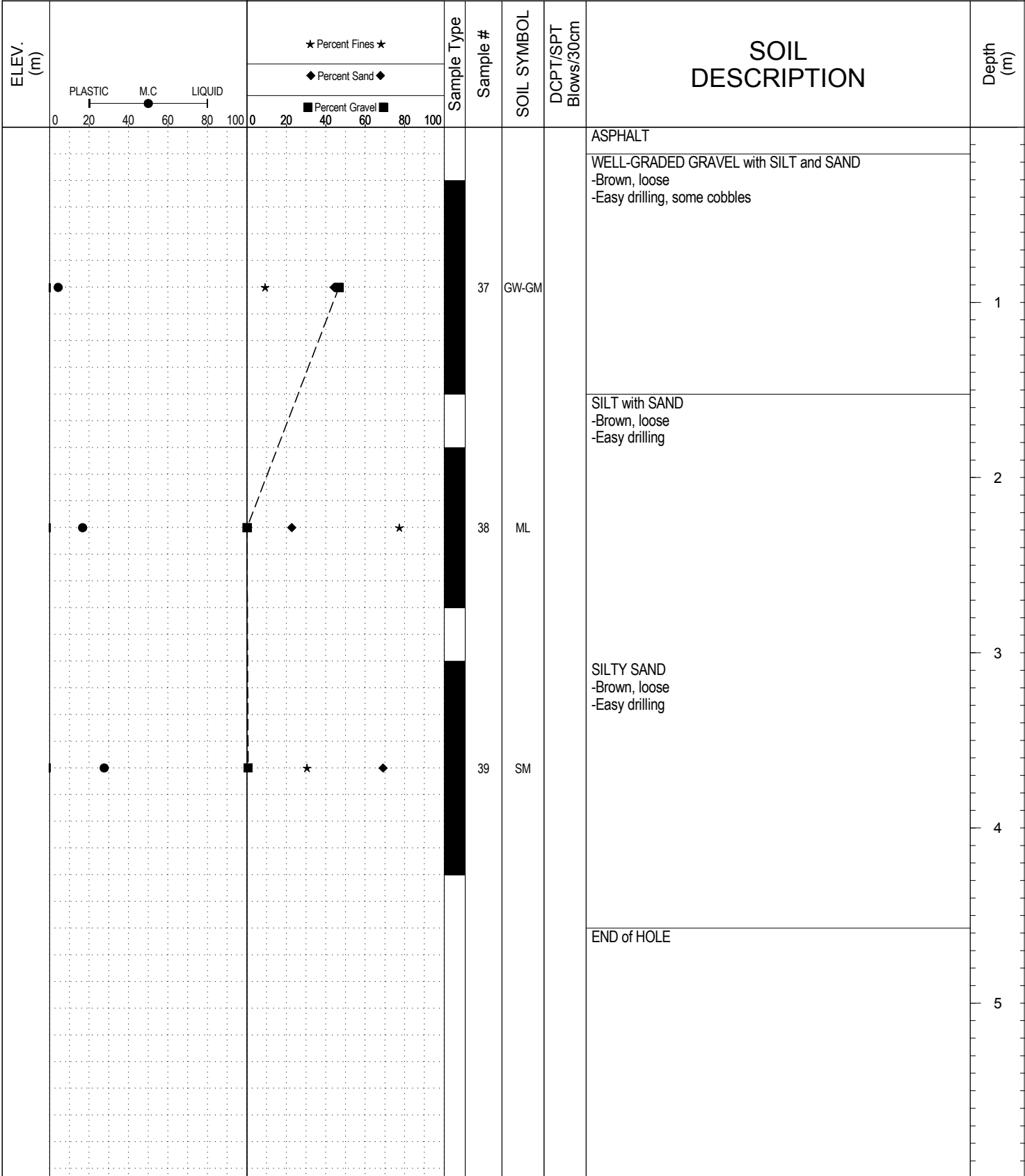


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5312

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6743892m E489802m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

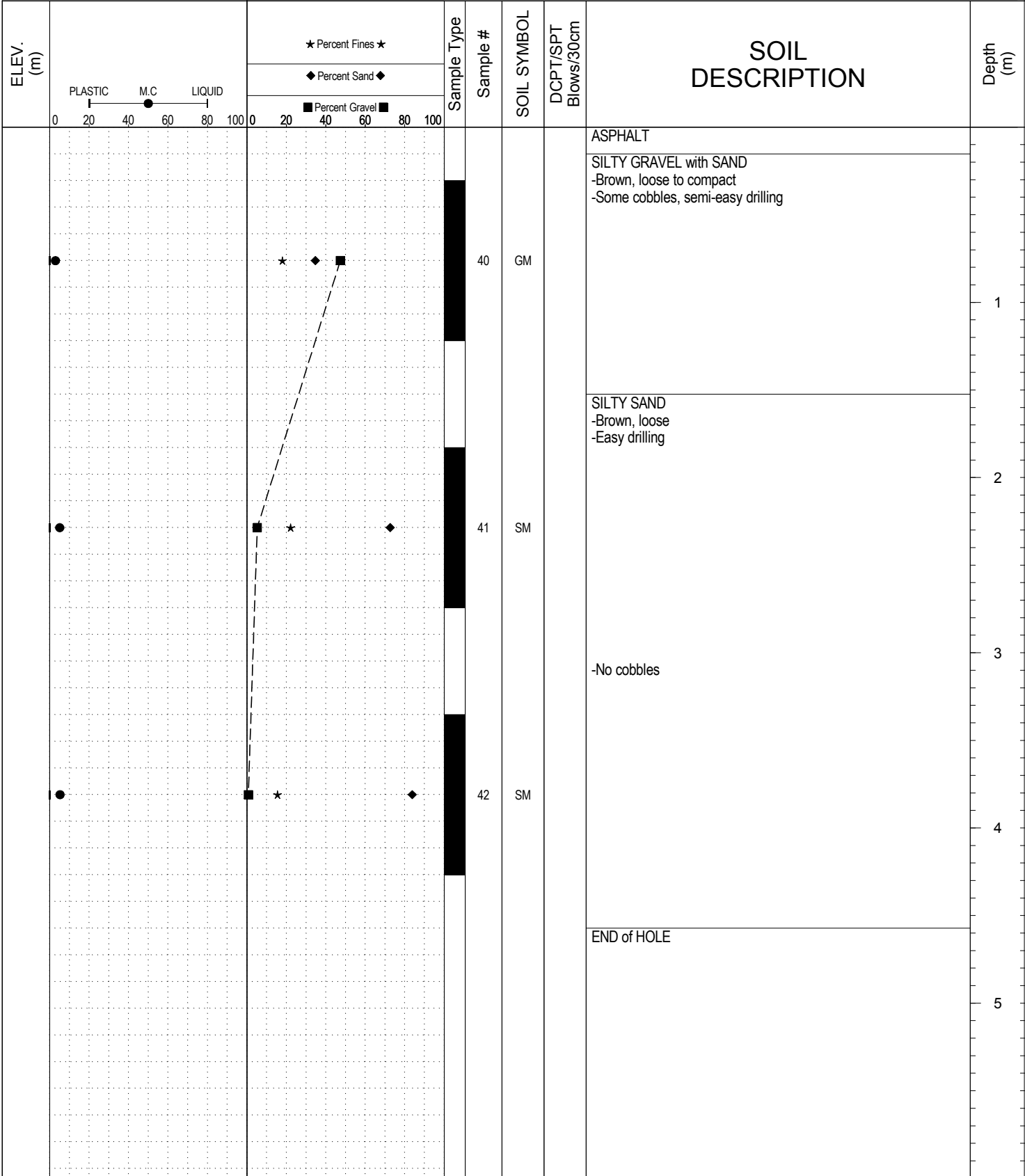


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5313

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6744093m E489792m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

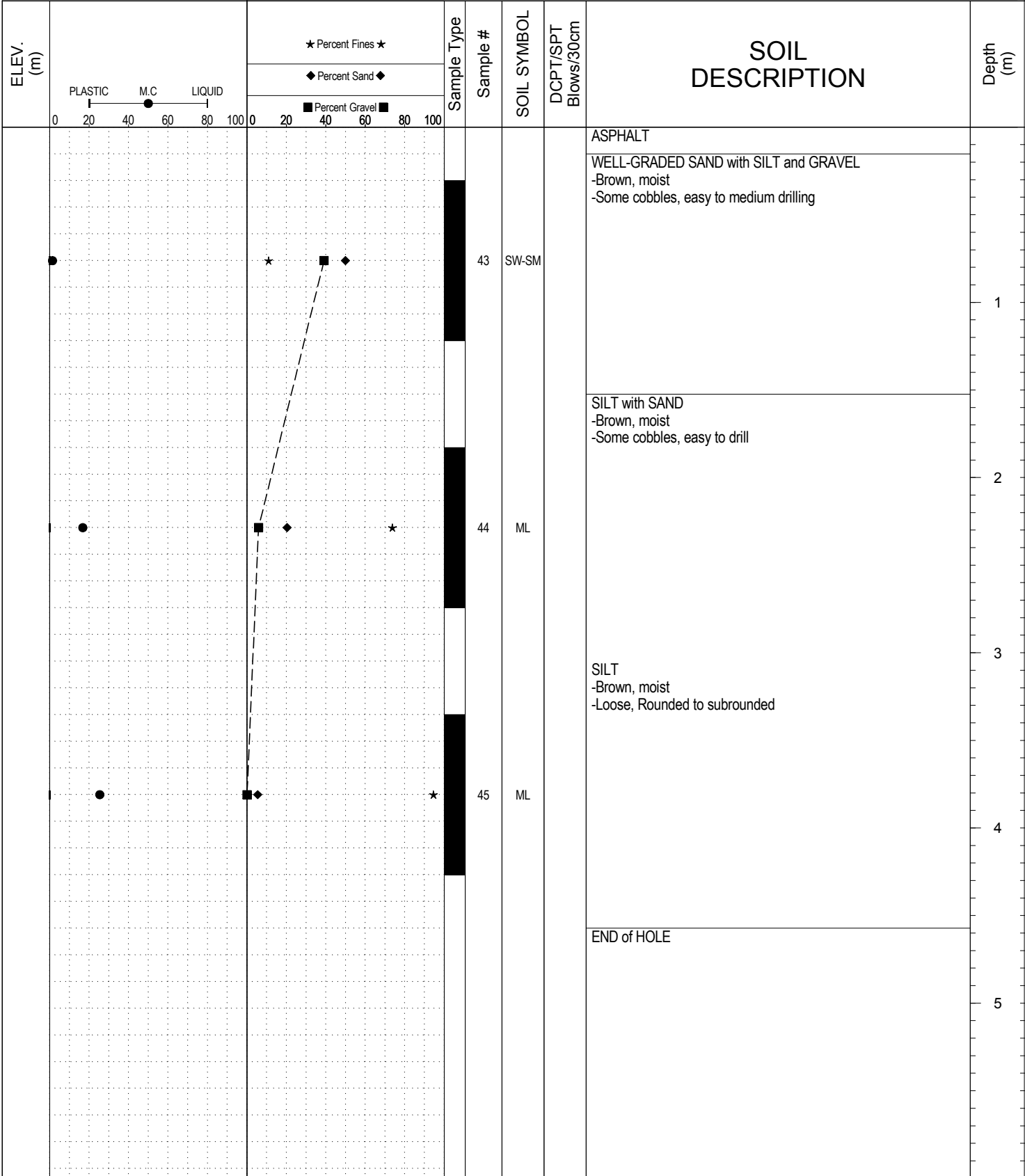


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5314

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6744297m E489765m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



SUBSURFACE EXPLORATION AND TEST REPORT		North Klondike Highway		SOURCE/TP#: 884-5315						
Midnight Sun Drilling		N.Klondike CL, 191.6-196.8		PROJECT NO:						
ODEX		Coordinates: Z08V N6744476m E489740m		ELEVATION: m						
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED	<input type="checkbox"/> DCPT	<input type="checkbox"/> AUGER	<input type="checkbox"/> BULK					
		<input 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		0 20 40 60 80 100							
									ASPHALT	
						46	SM		SILTY SAND with GRAVEL -Brown, compact, moist -Some cobbles, medium to hard drilling	1
						47	ML		GRAVELLY SILT with SAND -Brown, moist, compact -Cobbles, medium drilling	2
						48	ML		SILT with SAND -Brown, damp	3
									END of HOLE	4
										5

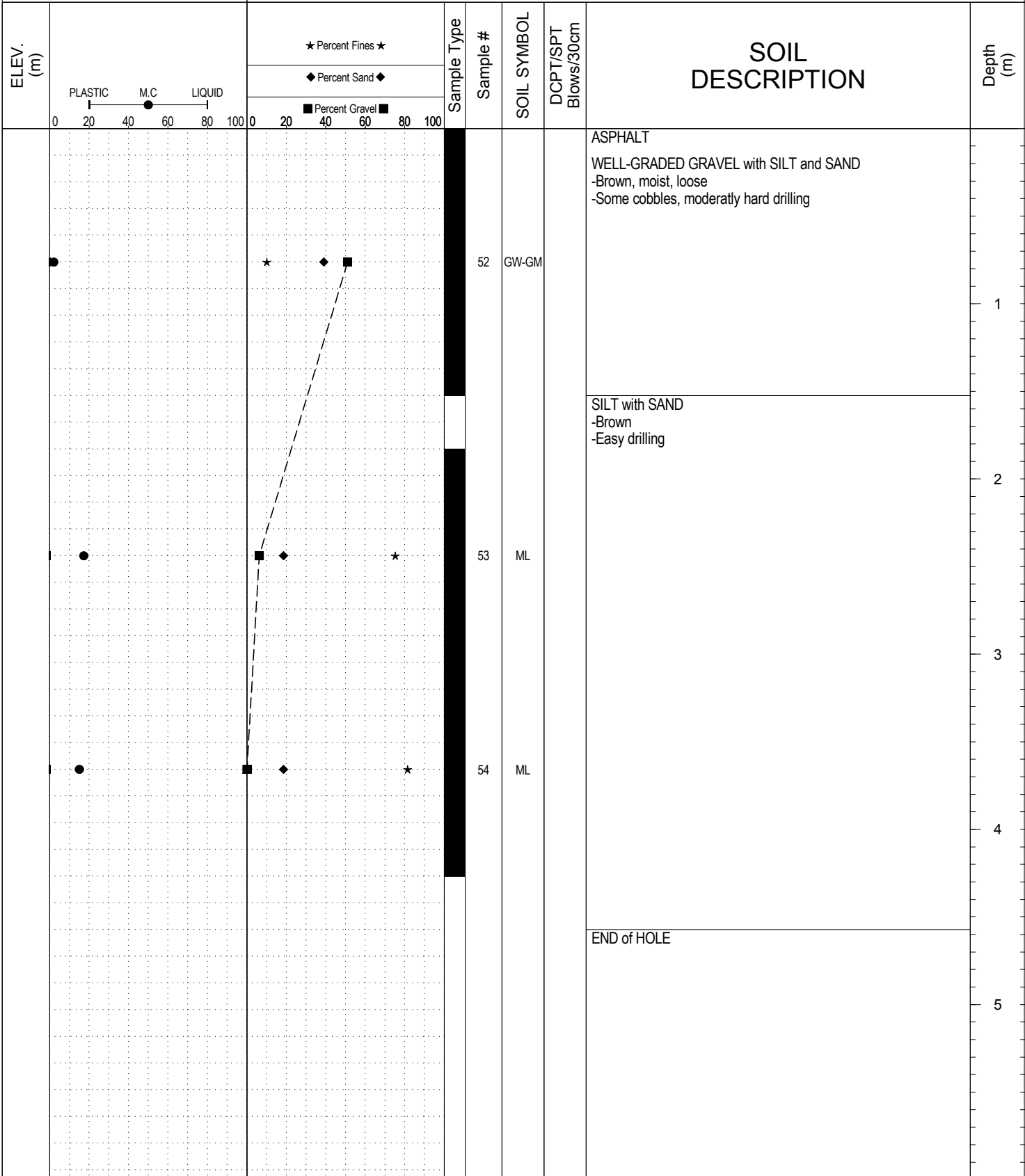
SUBSURFACE EXPLORATION AND TEST REPORT		North Klondike Highway		SOURCE/TP#: 884-5316					
Midnight Sun Drilling		N.Klondike CL, 191.6-196.8		PROJECT NO:					
ODEX		Coordinates: Z08V N6744625m E489724m		ELEVATION: m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input type="checkbox"/> DCPT <input checked="" type="checkbox"/> AUGER <input type="checkbox"/> BULK <input checked="" type="checkbox"/> SPT <input type="checkbox"/> CORE							
ELEV. (m)	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							
				ASPHALT	49	SM		ASPHALT	1
				SILT with SAND	50	ML		SILT with SAND -Brown, moist, loose -Rounded to subrounded	2
				SILTY SAND	51	ML		SILTY SAND -Brown and grey	3
				END of HOLE					4
									5

SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5317

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6744879m E489741m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

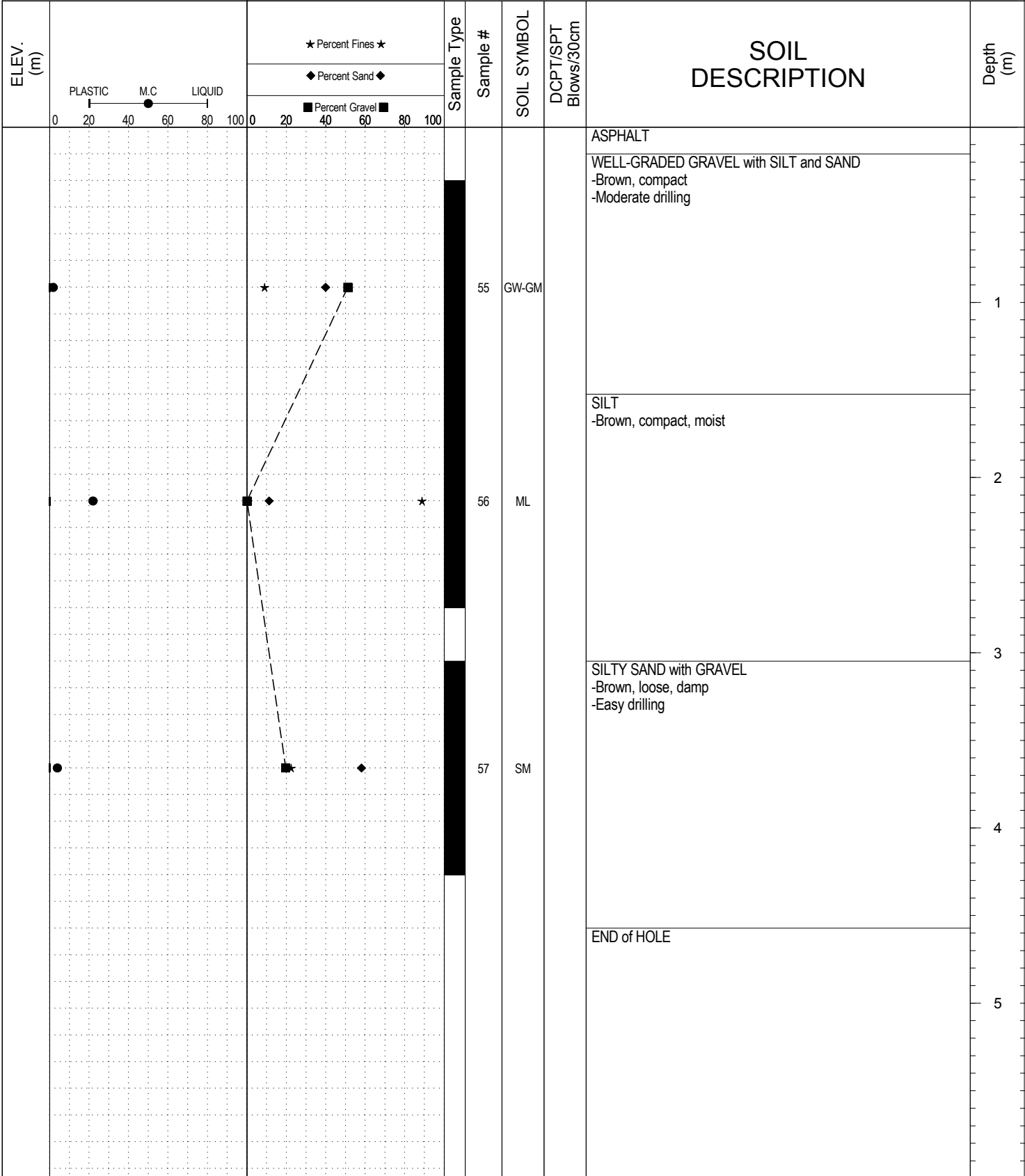


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5318

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6745056m E489788m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

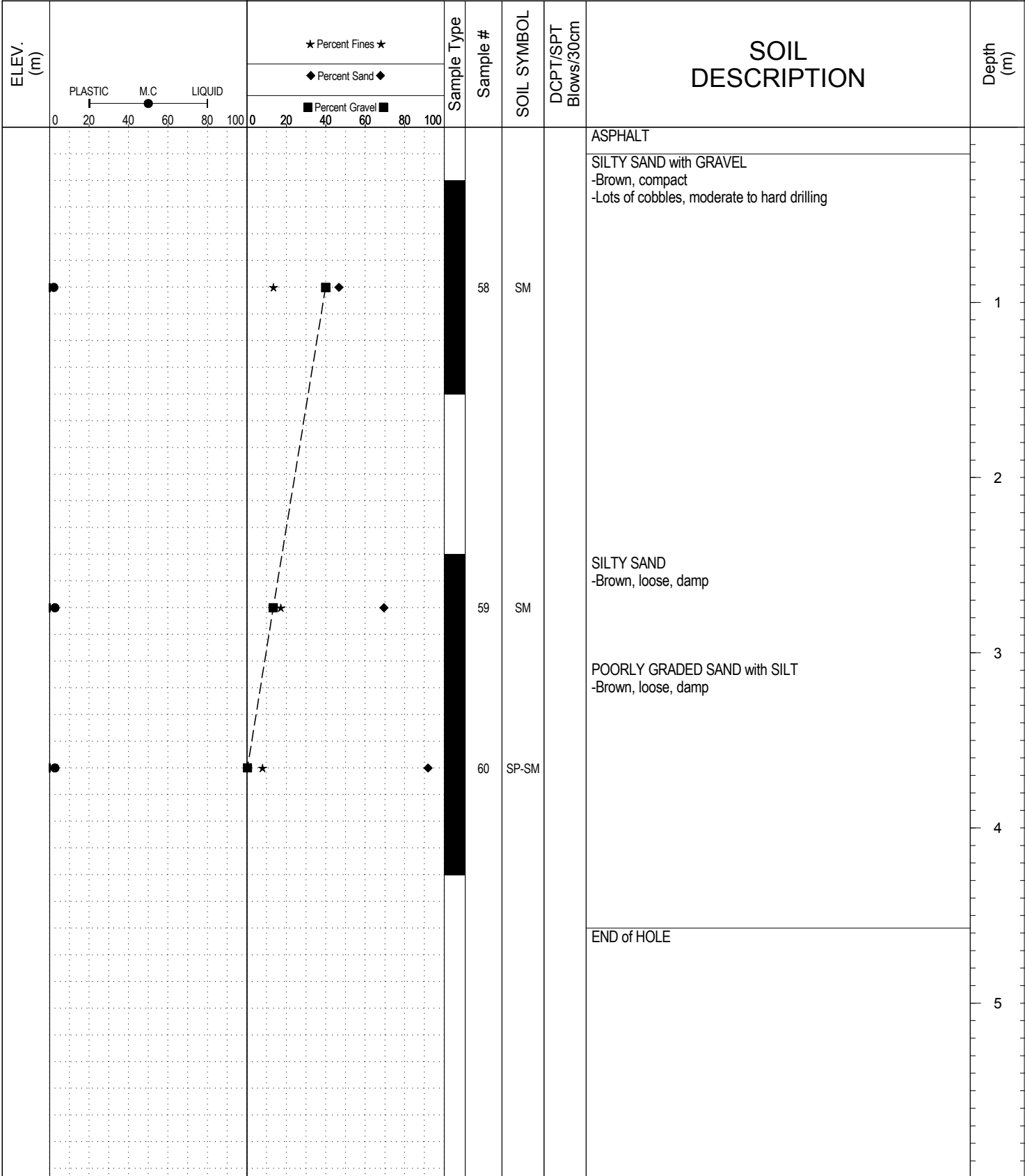


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5319

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6745811m E489230m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



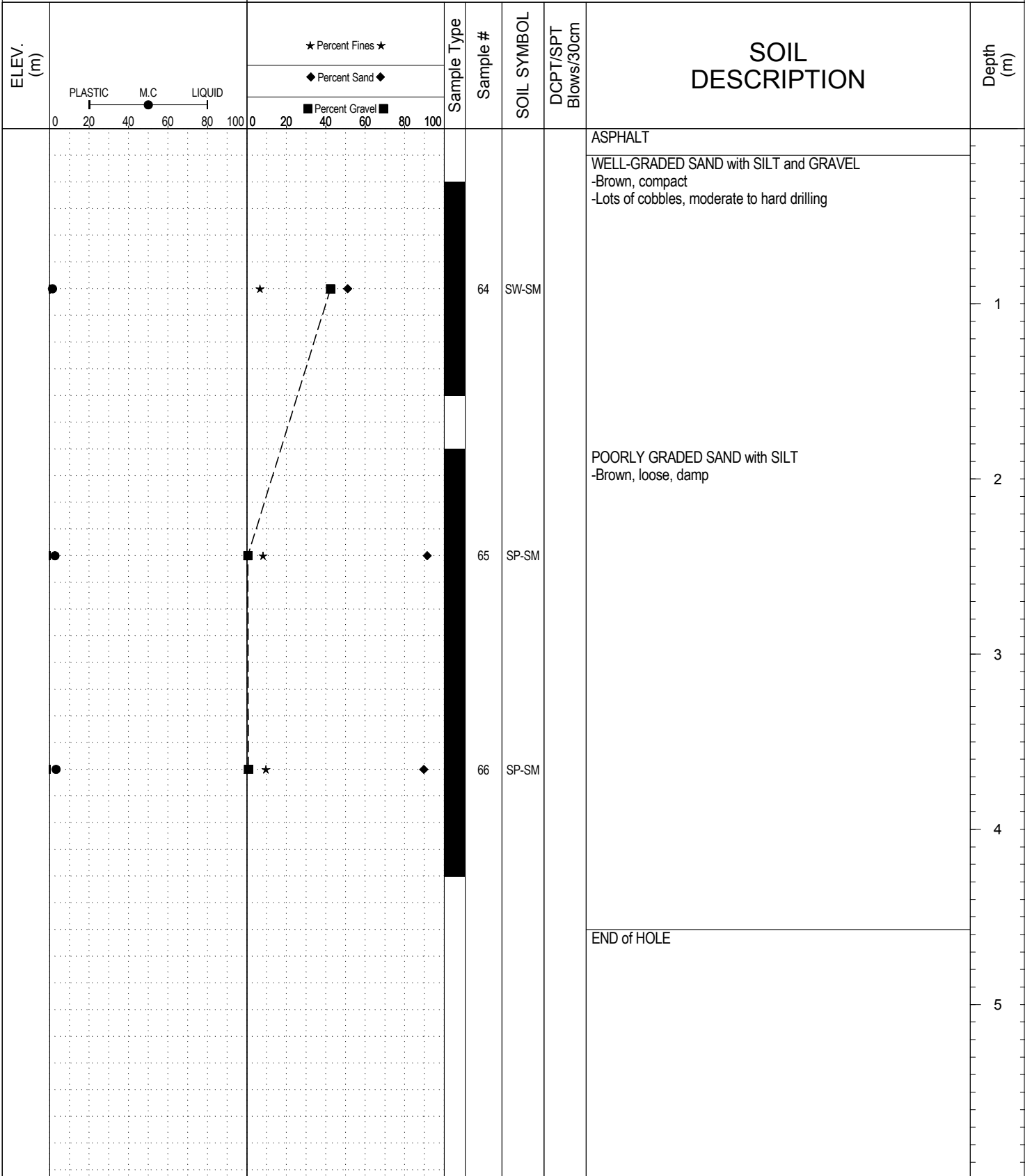
SUBSURFACE EXPLORATION AND TEST REPORT		North Klondike Highway		SOURCE/TP#: 884-5320					
Midnight Sun Drilling		N.Klondike CL, 191.6-196.8		PROJECT NO:					
ODEX		Coordinates: Z08V N6745274m E489850m		ELEVATION: m					
SAMPLE TYPE		<input type="checkbox"/> UNDISTURBED <input checked="" type="checkbox"/> 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							
								ASPHALT	
					61	SM		SILTY SAND with GRAVEL -Brown, compact, damp -Lots of cobbles, moderate	1
					62	GM		SILTY GRAVEL with SAND -Brown and grey, compact, moist -Easy drilling	2
					63	ML		SILT -Grey, moist	3
								END of HOLE	4
									5
		LOGGED BY: G.Kennedy COMPILED BY: R.Stilwell REVIEWED BY: M. Idrees		Termination Depth: 19.7m Complete: 12/6/2015 Pit #:		Page 1 of 1			

SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5321

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6745420m E489835m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

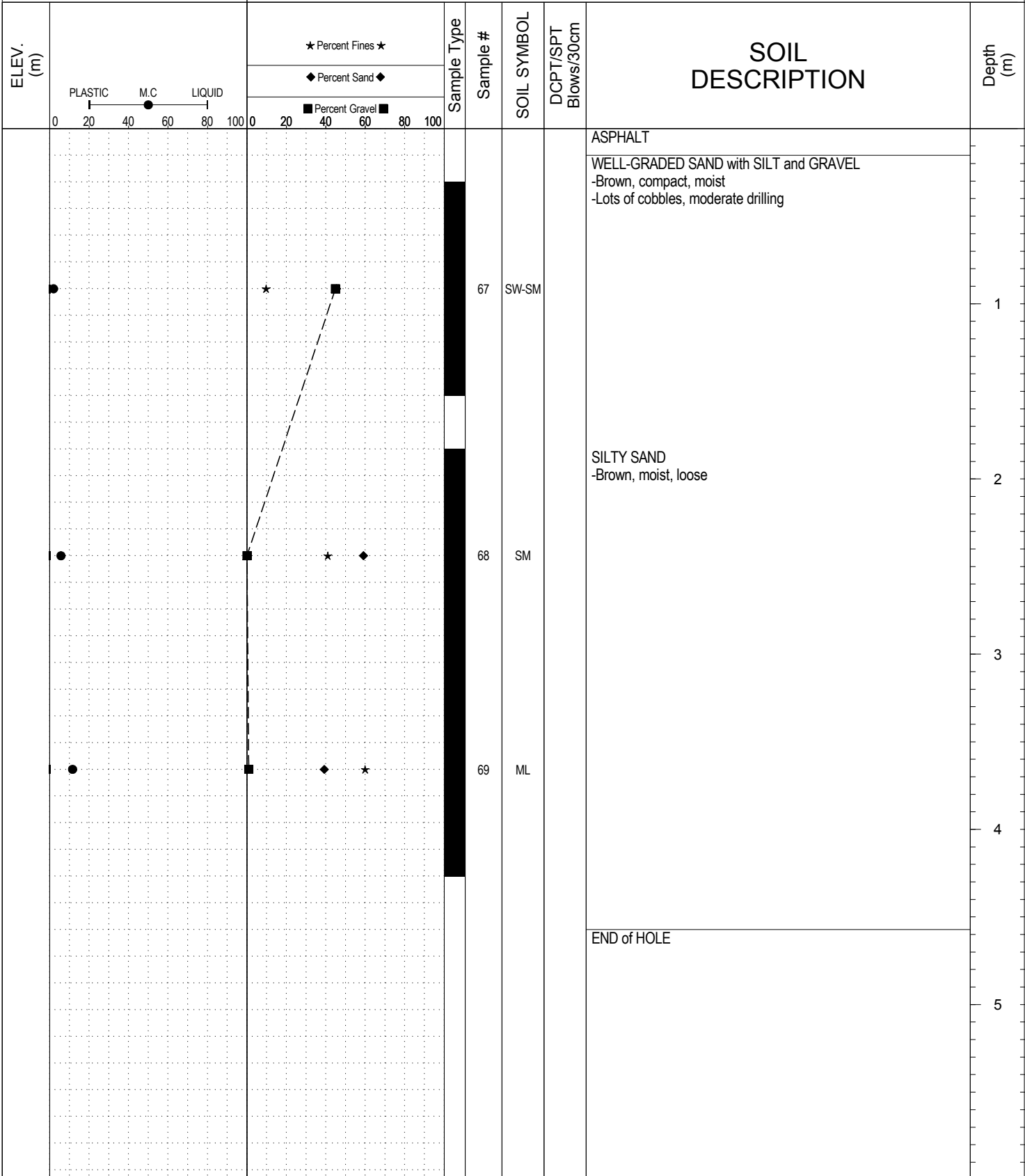


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5322

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6745555m E489749m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

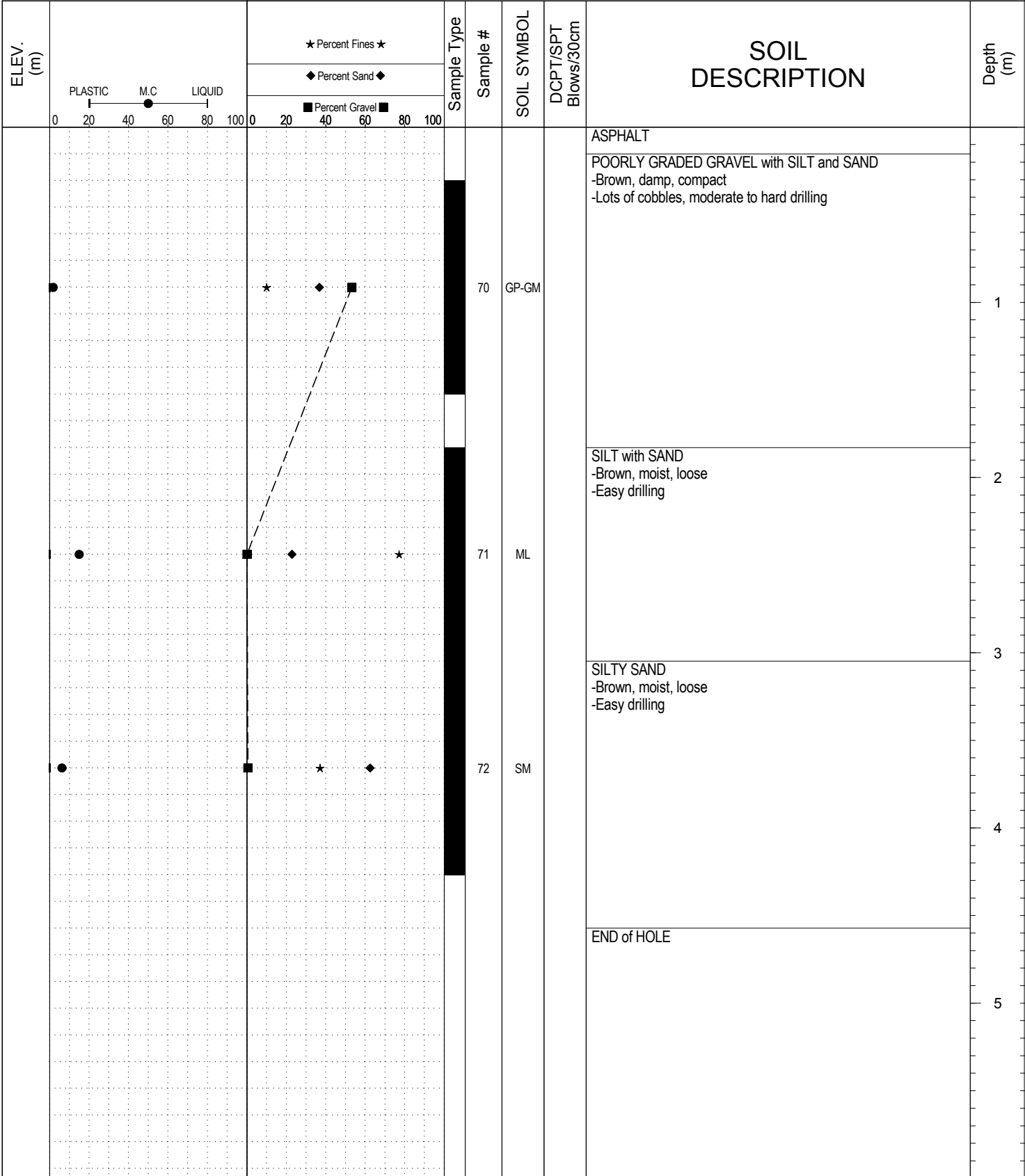


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5323

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6745658m E489599m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE

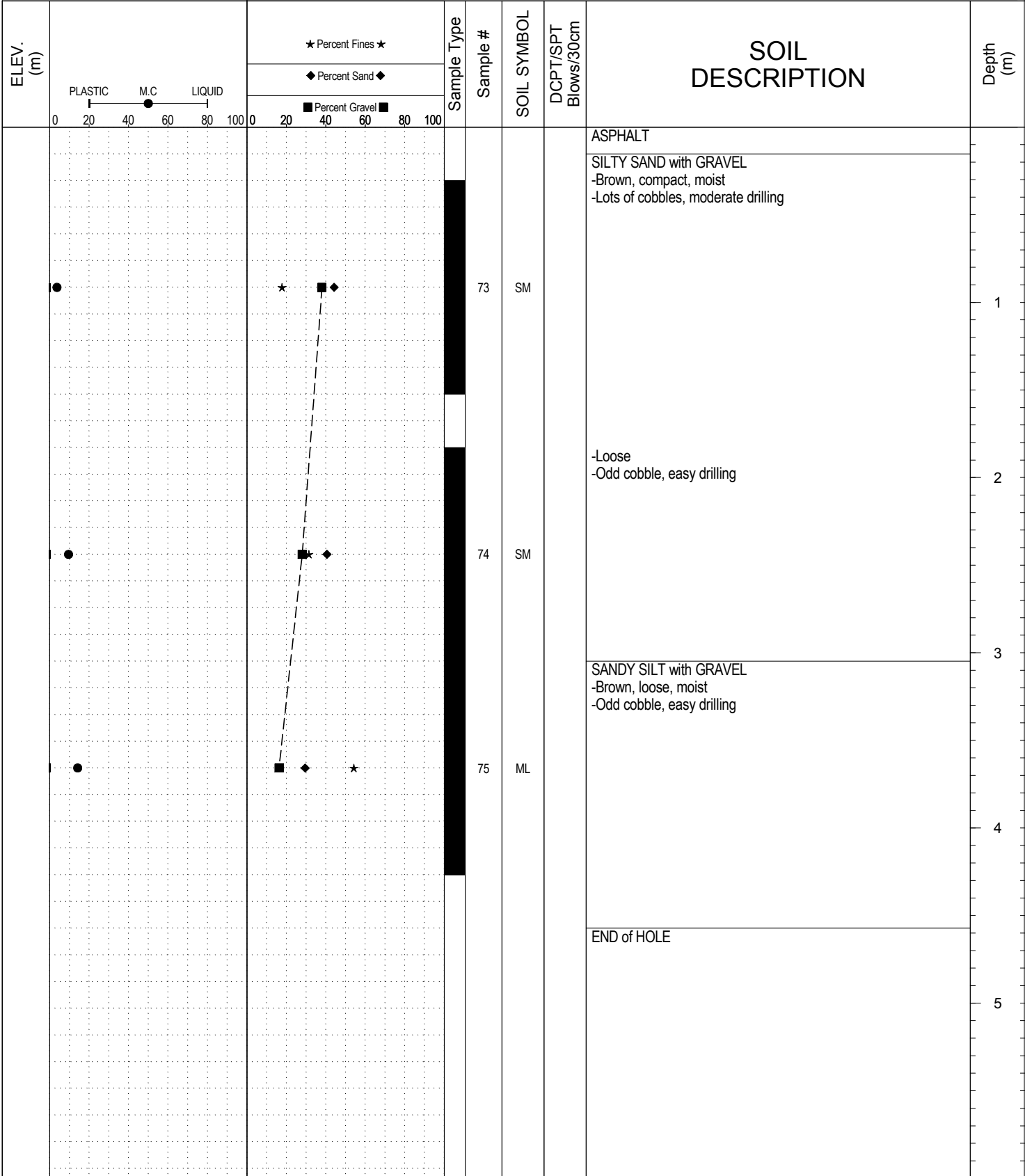


SUBSURFACE EXPLORATION AND TEST REPORT North Klondike Highway SOURCE/TP#: 884-5324

Midnight Sun Drilling N.Klondike CL, 191.6-196.8 PROJECT NO:

ODEX Coordinates: Z08V N6745734m E489415m ELEVATION: m

SAMPLE TYPE UNDISTURBED DCPT AUGER BULK SPT CORE



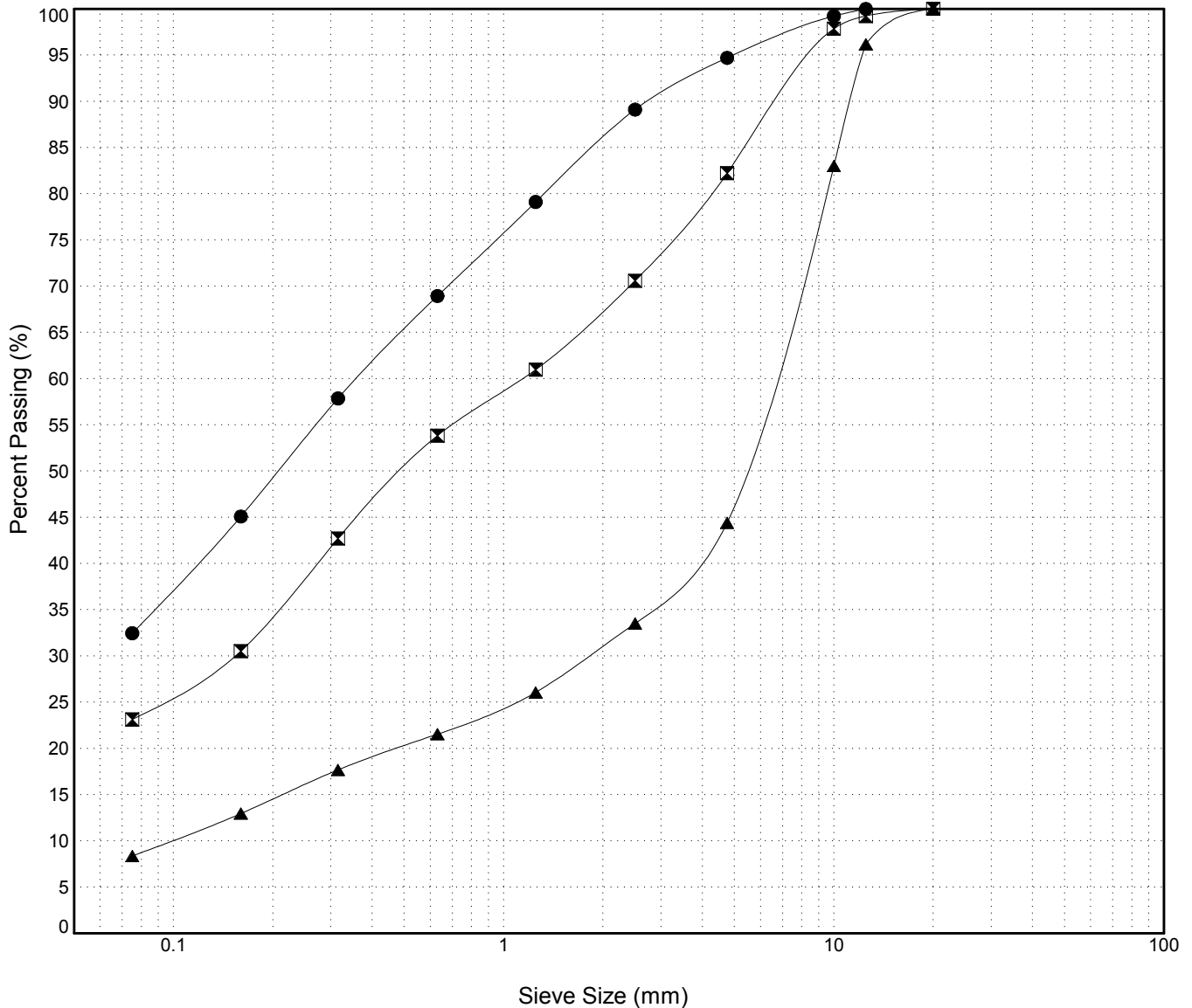
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5300
Midnigh Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6741750m E488829m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 01	758	0.0 to 2.5	SILTY SAND(SM)	5.2	NP	NP	NP		
☒ 02	759	8.0 to 8.5	SILTY SAND with GRAVEL(SM)	4.4	NP	NP	NP		
▲ 03	760	10.0 to 11.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	4.2	NP	NP	NP	5.2	65.3

Field #	Lab #	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	% Breakdown			
																Gravel	Sand	Silt	Clay
● 01	758	100.0	100.0	100.0	100.0	100.0	100.0	99.2	94.7	89.1	79.1	68.9	57.9	45.1	32.5	5.3	62.2	32.5	
☒ 02	759	100.0	100.0	100.0	100.0	100.0	99.2	97.9	82.2	70.6	61.0	53.8	42.7	30.5	23.1	17.8	59.1	23.1	
▲ 03	760	100.0	100.0	100.0	100.0	100.0	96.2	83.0	44.4	33.5	26.1	21.5	17.7	13.0	8.4	55.6	36.0	8.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



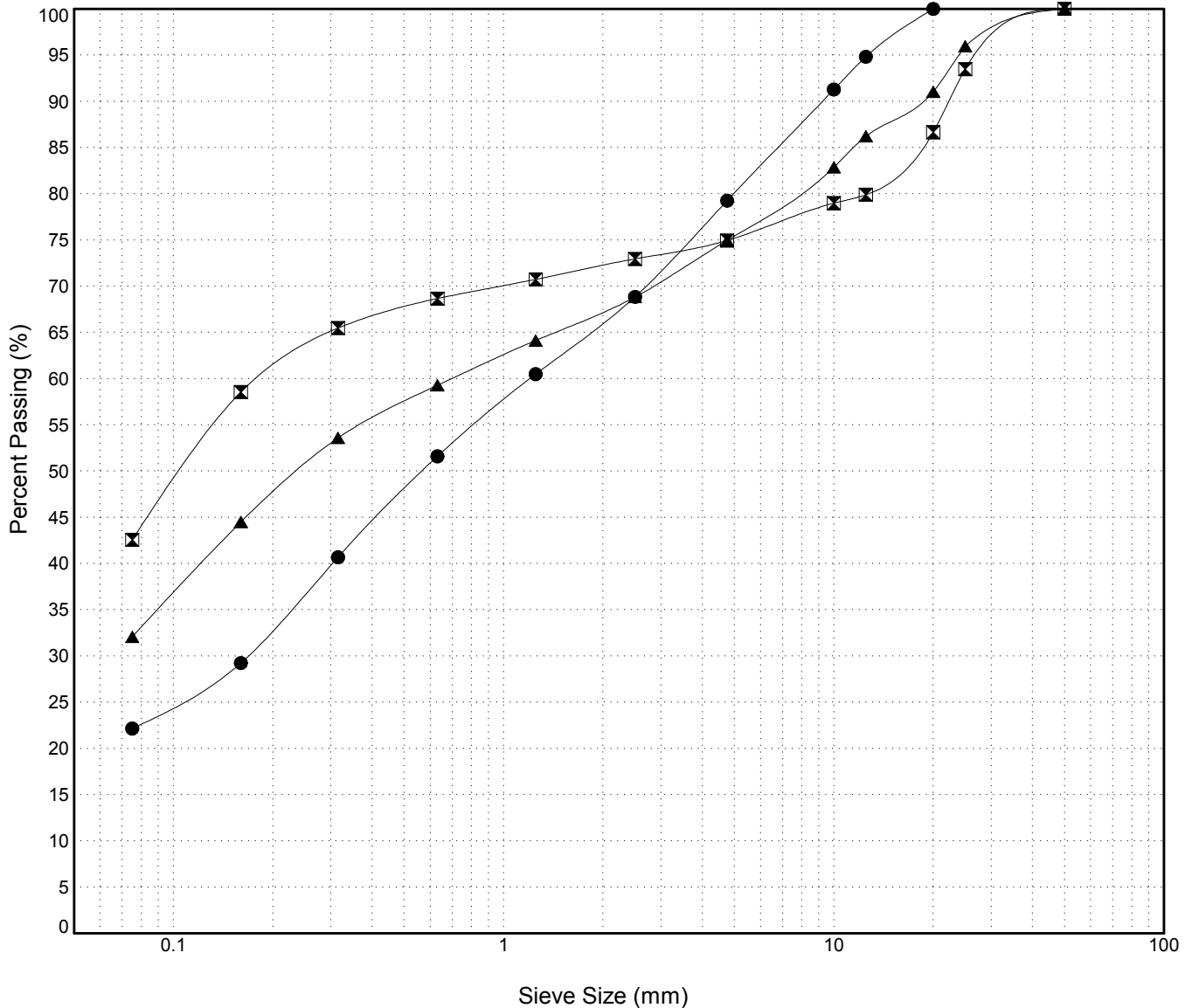
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5301
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6741937m E488811m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 04	761	3.0 to 4.0	SILTY SAND with GRAVEL(SM)	5.1	NP	NP	NP		
☒ 05	762	6.0 to 9.0	SILTY SAND with GRAVEL(SM)	7.6	NP	NP	NP		
▲ 06	763	10.0 to 14.0	SILTY SAND with GRAVEL(SM)	4.6	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
● 04	761	100.0	100.0	100.0	100.0	100.0	94.8	91.3	79.3	68.8	60.5	51.6	40.7	29.2	22.2	20.7	57.1	22.2	
☒ 05	762	100.0	100.0	100.0	93.5	86.7	79.9	79.0	74.9	73.0	70.7	68.7	65.5	58.5	42.6	25.1	32.4	42.6	
▲ 06	763	100.0	100.0	100.0	96.0	91.0	86.2	82.9	75.0	68.8	64.1	59.3	53.6	44.5	32.1	25.0	42.9	32.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



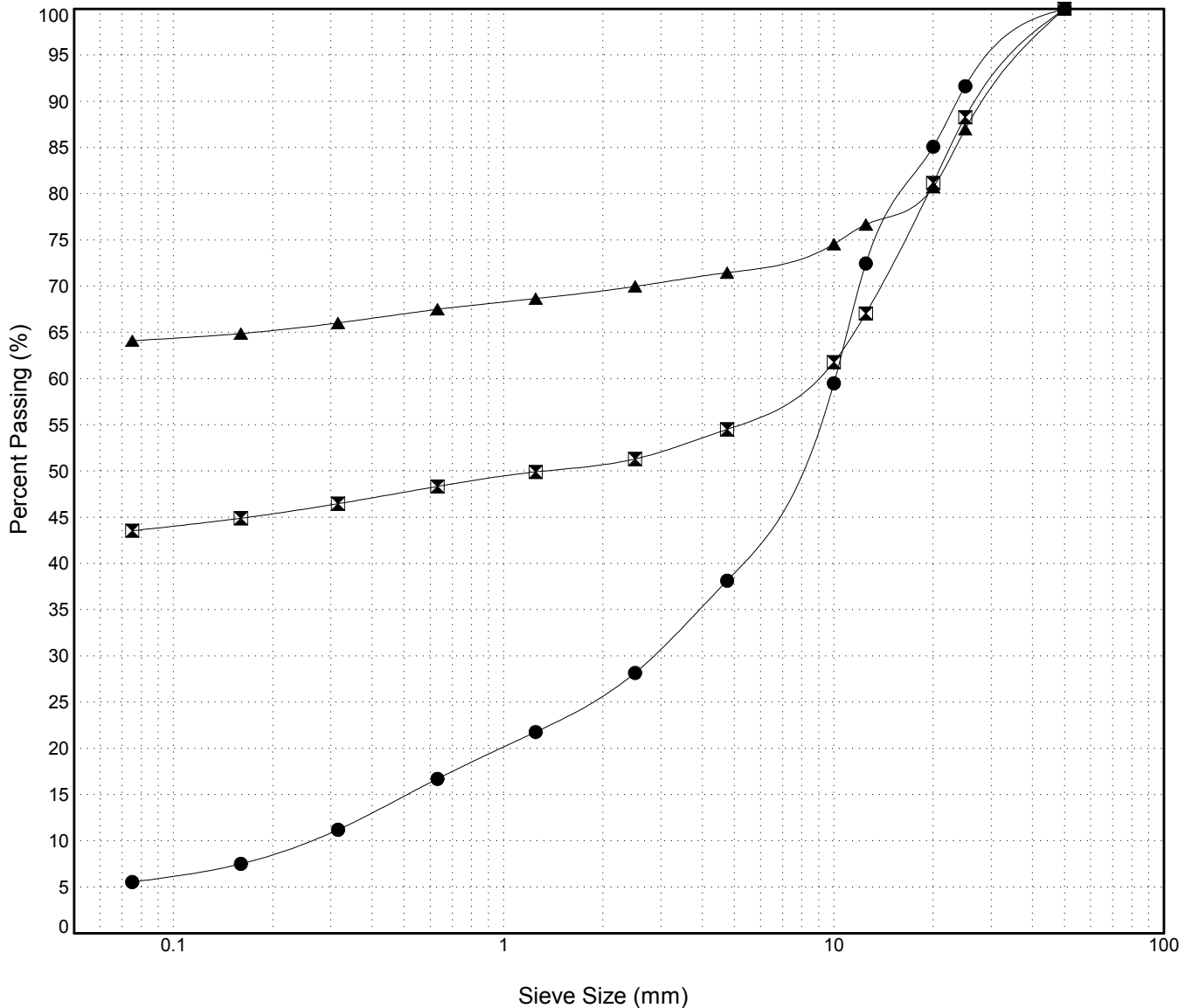
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5302
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6742127m E488828m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 07	764	2.0 to 4.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	3.7	NP	NP	NP	3.1	39.9
☒ 08	765	6.0 to 9.0	SILTY GRAVEL(GM)	10.8	NP	NP	NP		
▲ 09	766	11.0 to 14.0	GRAVELLY SILT(ML)	9.8	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	Clay
● 07	764	100.0	100.0	100.0	100.0	91.6	85.1	72.5	59.5	38.1	28.2	21.8	16.7	11.2	7.5	5.5	61.9	32.6	5.5	
☒ 08	765	100.0	100.0	100.0	88.3	81.2	67.1	61.8	54.5	51.3	49.9	48.3	46.5	44.9	43.5		45.5	11.0	43.5	
▲ 09	766	100.0	100.0	100.0	87.0	80.7	76.7	74.6	71.5	70.0	68.7	67.5	66.0	64.9	64.1		28.5	7.4	64.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



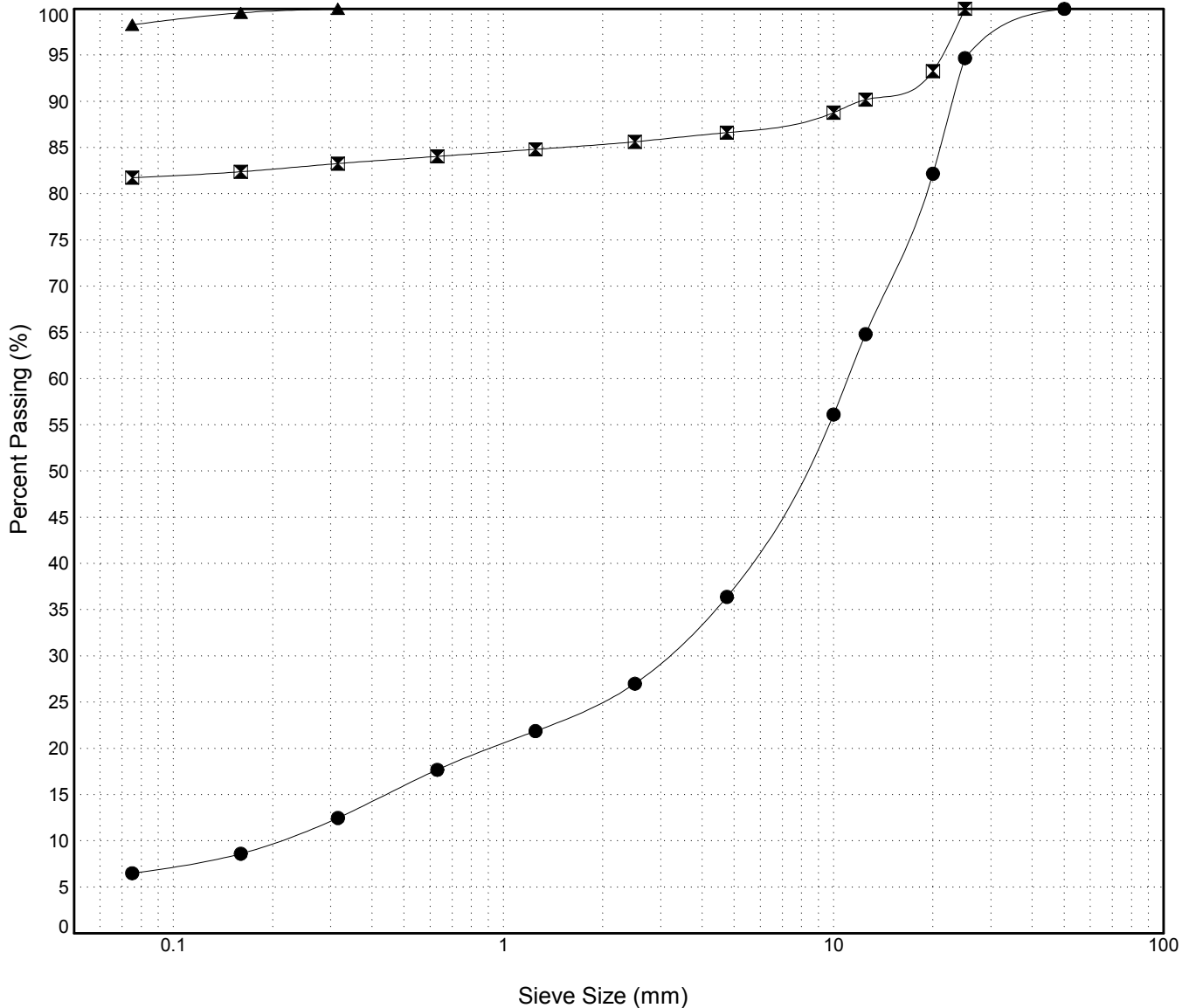
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5303
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6742290m E488875m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 10	767	1.0 to 4.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	3.3	NP	NP	NP	4.2	54.1
☒ 11	768	6.0 to 9.0	SILT with GRAVEL(ML)	6.8	NP	NP	NP		
▲ 12	769	11.0 to 14.0	SILT(ML)	14.8	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
● 10	767	100.0	100.0	100.0	100.0	94.7	82.2	64.8	56.1	36.4	27.0	21.9	17.7	12.5	8.6	6.5	63.6	29.9	6.5
☒ 11	768	100.0	100.0	100.0	100.0	93.3	90.2	88.8	86.6	85.6	84.8	84.0	83.3	82.4	81.7	13.4	4.9	81.7	
▲ 12	769	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	98.3	0.0	1.7	98.3	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



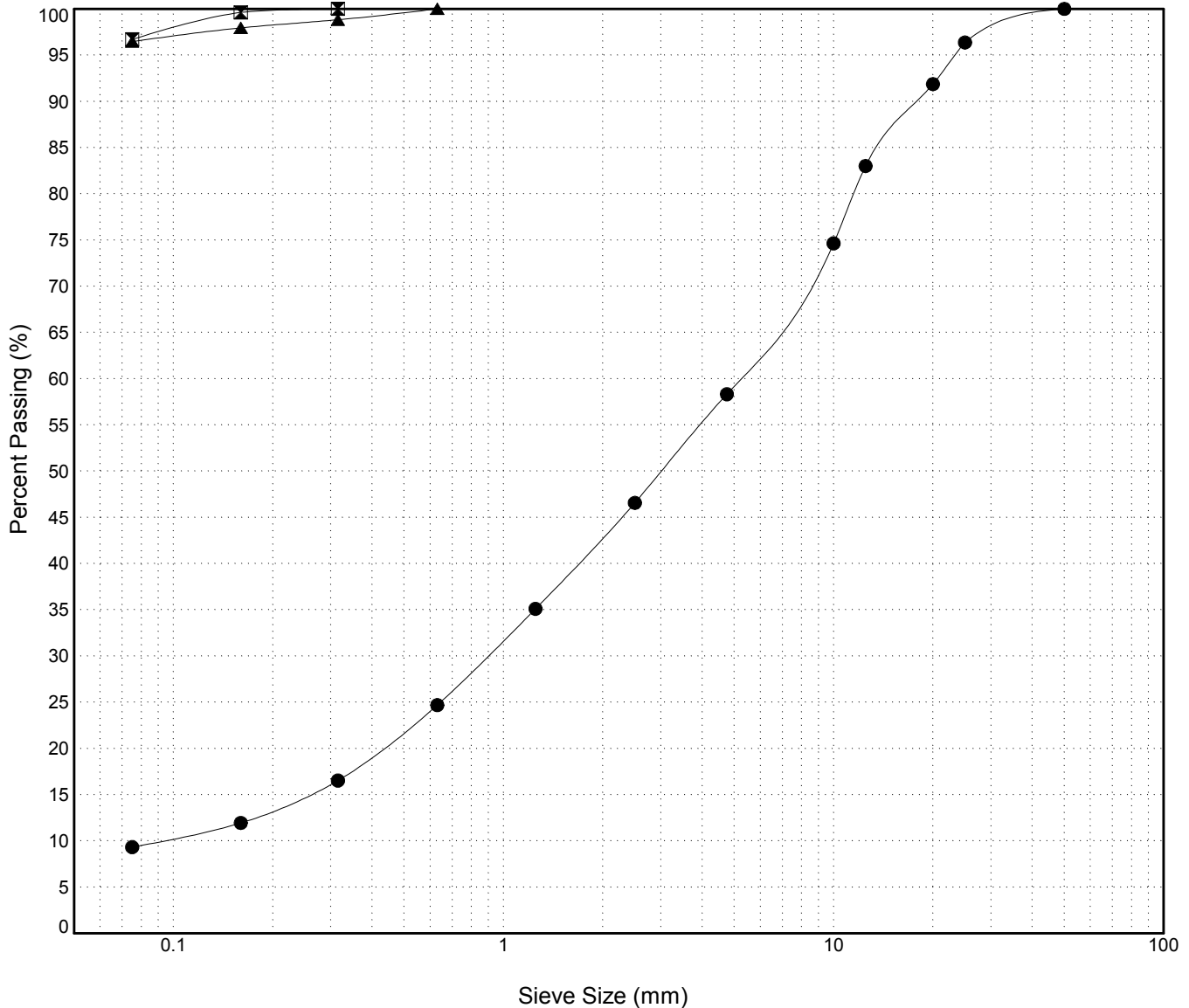
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5304
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6742482m E488978m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 13	770	1.0 to 4.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	2.1	NP	NP	NP	1.7	56.2
☒ 14	771	6.0 to 9.0	SILT(ML)	20.2	NP	NP	NP		
▲ 15	772	11.0 to 14.0	SILT(ML)	26.0	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	Clay
● 13	770	100.0	100.0	100.0	100.0	96.4	91.9	83.0	74.6	58.3	46.6	35.1	24.7	16.5	11.9	9.3	41.7	49.0	9.3	
☒ 14	771	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	96.7	0.0	3.3	96.7	
▲ 15	772	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.8	97.9	96.5	0.0	3.5	96.5	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



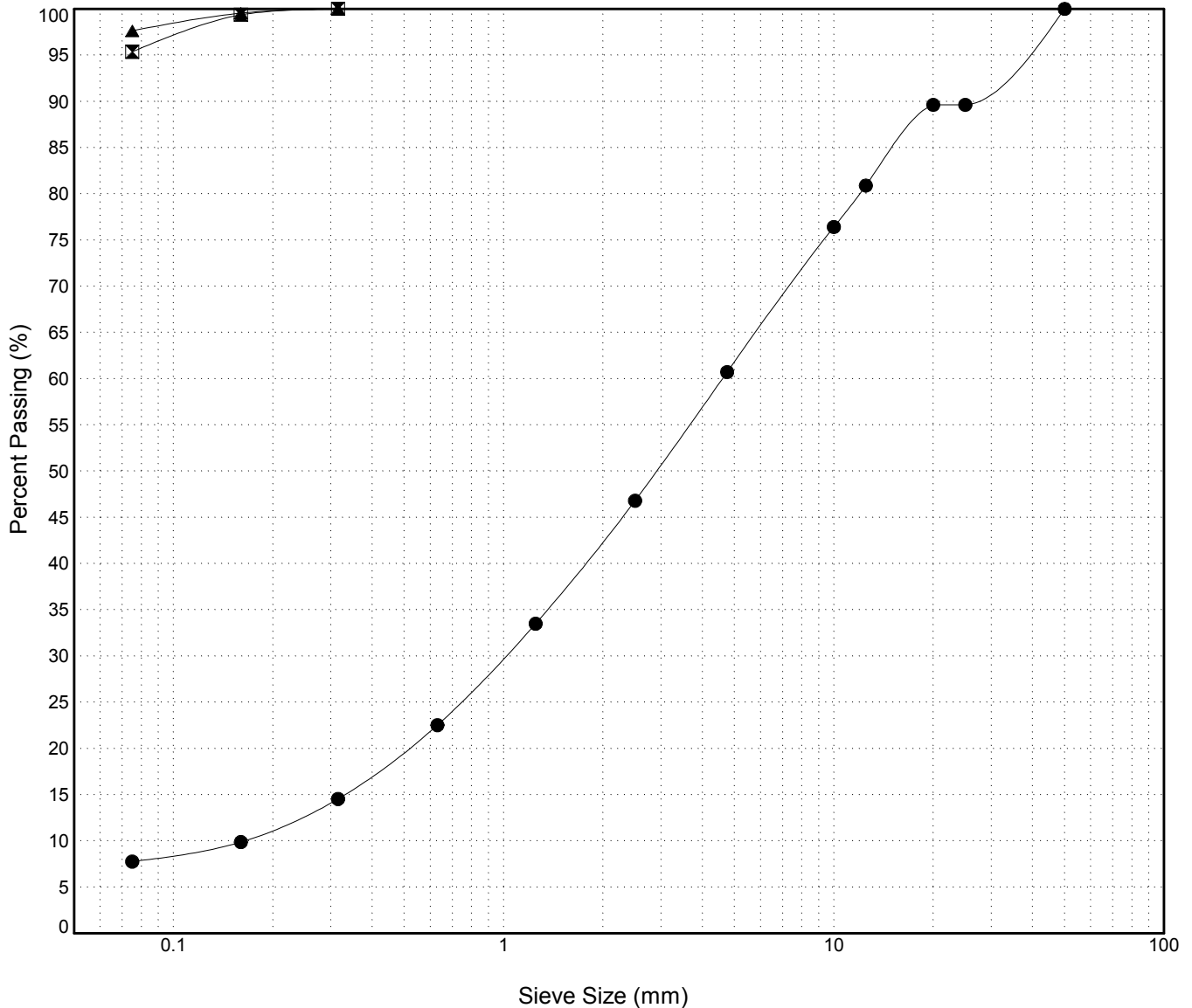
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5305
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6742649m E489083m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 16	773	1.0 to 4.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	2.9	NP	NP	NP	1.3	28.2
☒ 17	774	6.0 to 9.0	SILT(ML)	27.3	NP	NP	NP		
▲ 18	775	11.0 to 14.0	SILT(ML)	12.6	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	Clay
● 16	773	100.0	100.0	100.0	100.0	89.6	89.6	80.9	76.4	60.7	46.8	33.5	22.5	14.5	9.9	7.8	39.3	53.0	7.8	
☒ 17	774	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	95.4	0.0	4.6	95.4	
▲ 18	775	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	97.6	0.0	2.4	97.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



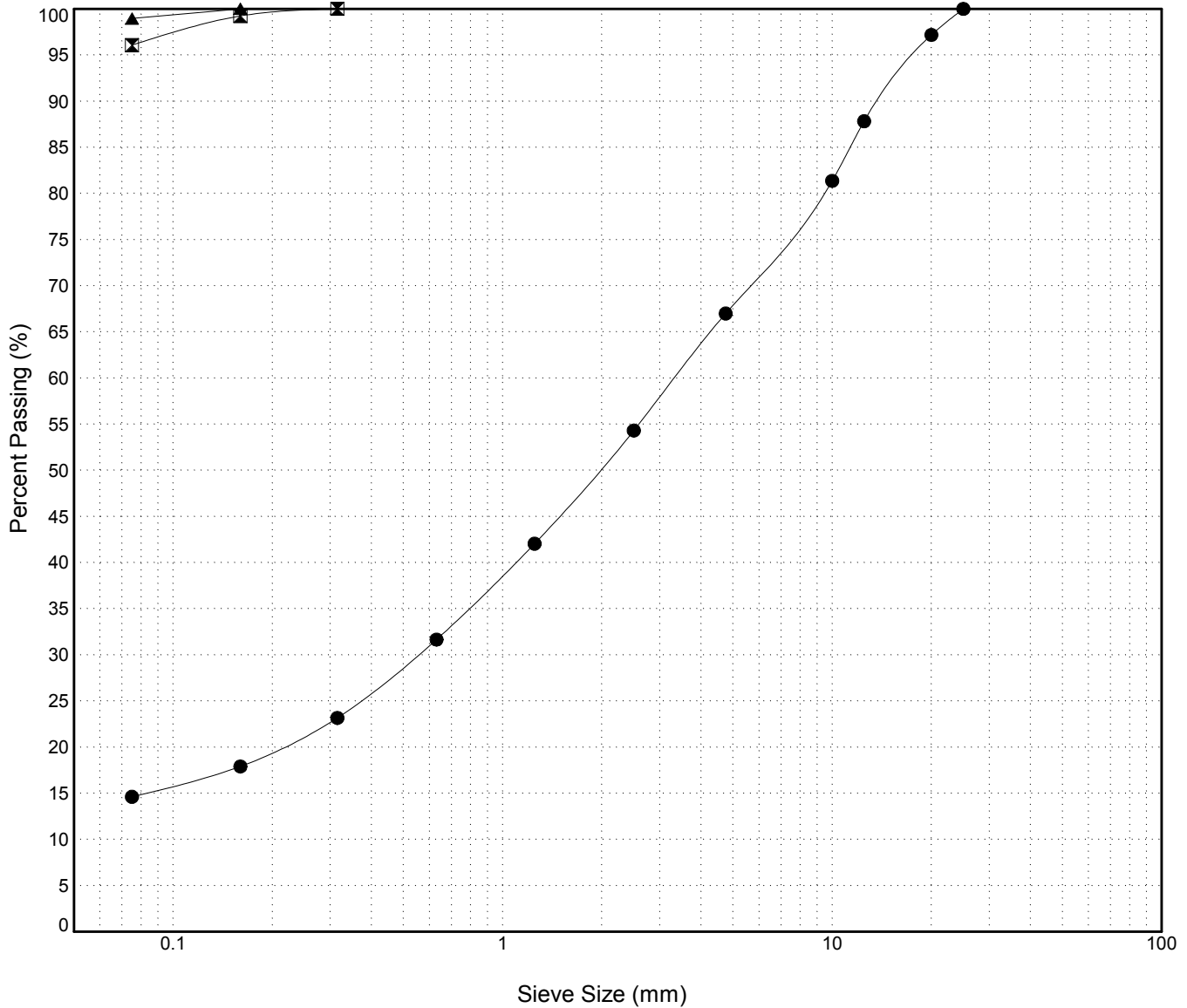
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5306
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6742833m E489204m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 19	776	0.0 to 5.0	SILTY SAND with GRAVEL(SM)	4.7	NP	NP	NP		
☒ 20	777	6.0 to 10.0	SILT(ML)	18.7	NP	NP	NP		
▲ 21	778	11.0 to 15.0	SILT(ML)	13.2	NP	NP	NP		

Field #	Lab #	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	% Breakdown				
																Gravel	Sand	Silt	Clay	
● 19	776	100.0	100.0	100.0	100.0	97.2	87.8	81.4	67.0	54.3	42.0	31.7	23.2	17.9	14.6	33.0	52.4	14.6		
☒ 20	777	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	96.1	0.0	3.9	96.1		
▲ 21	778	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	0.0	1.0	99.0		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



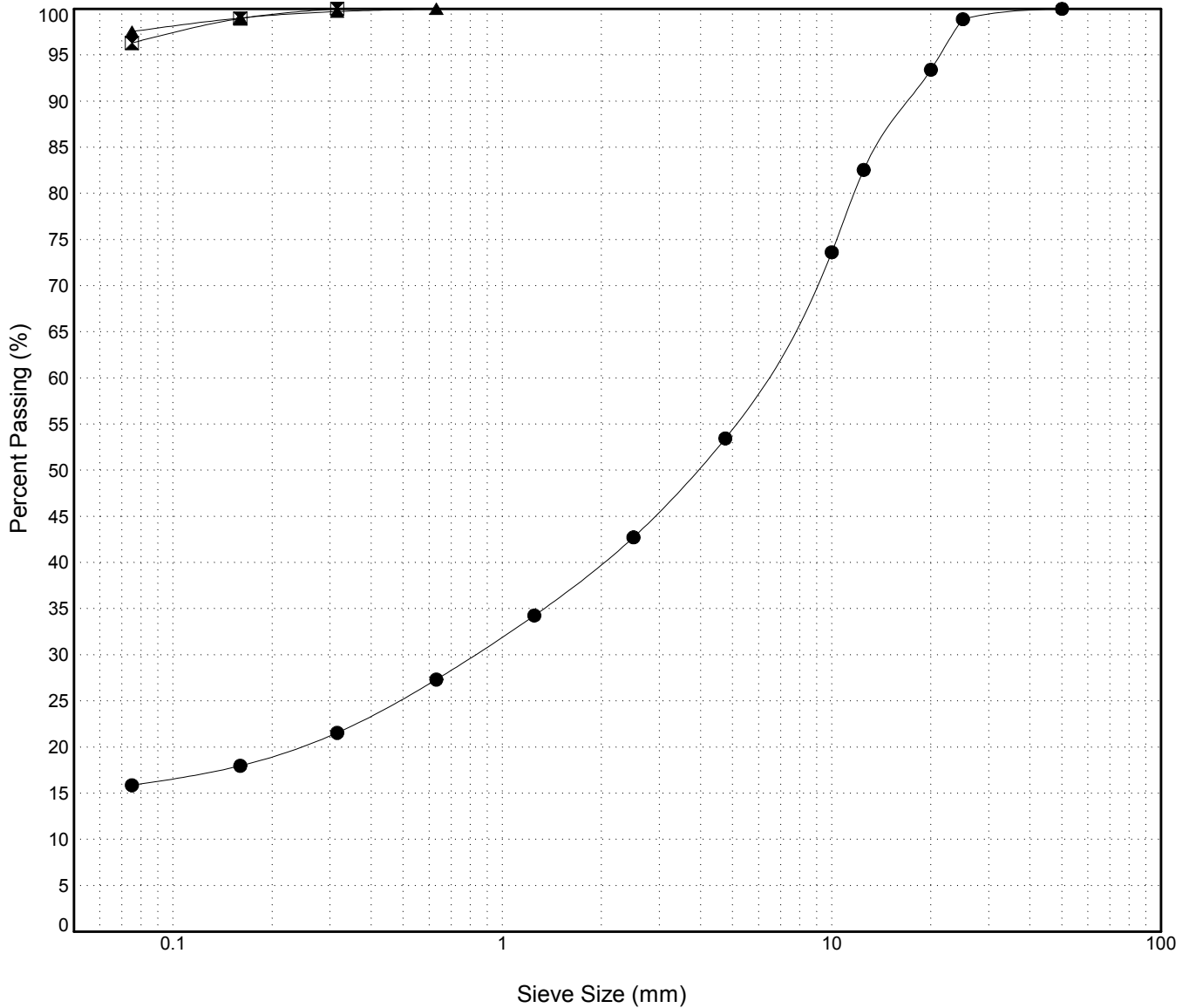
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5307
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6743023m E489323m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 22	779	1.0 to 5.0	SILTY GRAVEL with SAND(GM)	19.2	NP	NP	NP		
☒ 23	780	6.0 to 10.0	SILT(ML)	27.9	NP	NP	NP		
▲ 24	781	11.0 to 15.0	SILT(ML)	23.4	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
● 22	779	100.0	100.0	100.0	100.0	98.9	93.4	82.6	73.6	53.5	42.7	34.3	27.3	21.5	18.0	15.9	46.5	37.6	15.9
☒ 23	780	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	96.3	0.0	3.7	96.3
▲ 24	781	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.0	97.5	0.0	2.5	97.5

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



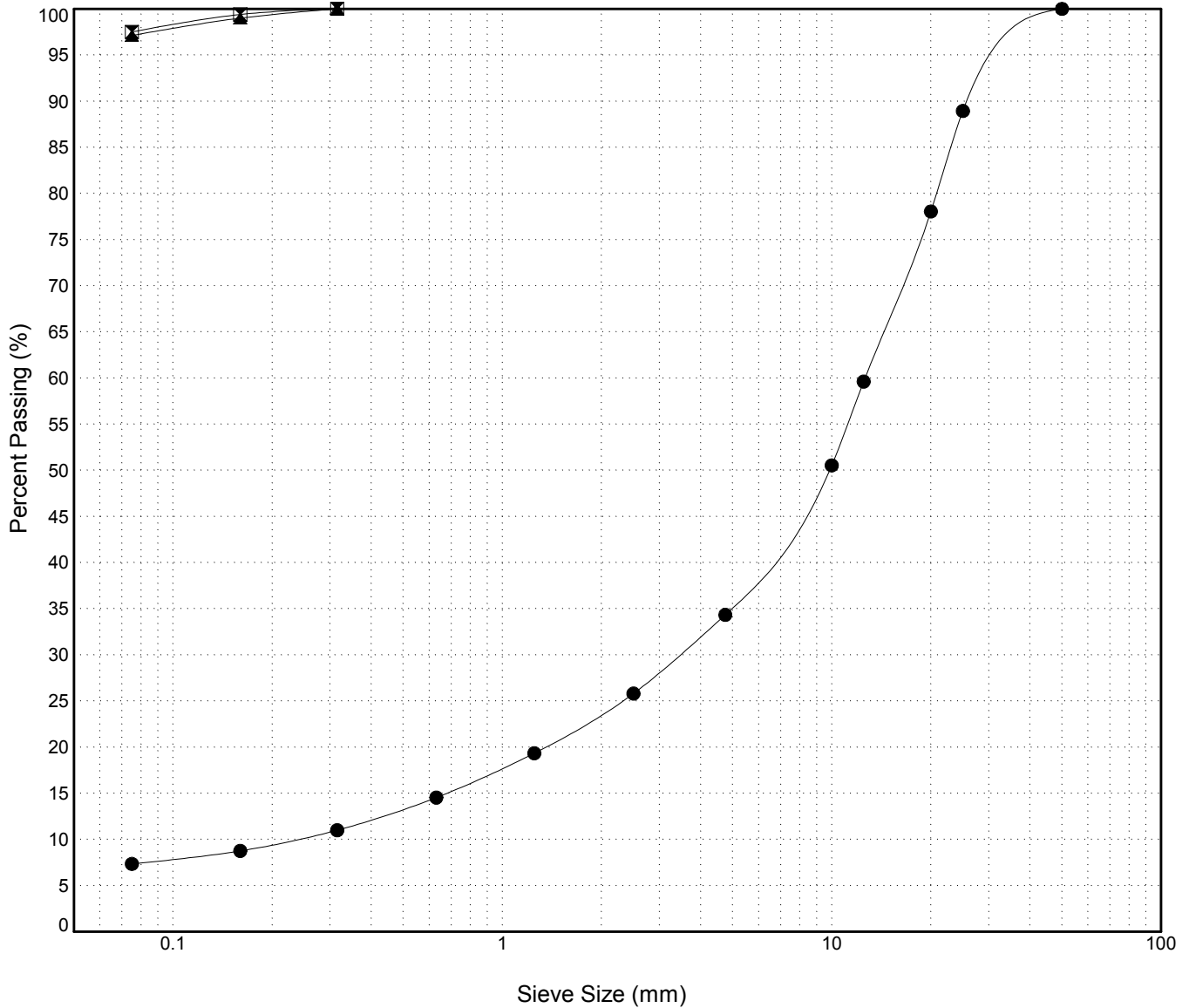
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5308
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6743173m E489418m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 25	782	1.0 to 5.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	2.2	NP	NP	NP	4.0	54.1
☒ 26	783	6.0 to 10.0	SILT(ML)	27.7	NP	NP	NP		
▲ 27	784	11.0 to 14.0	SILT(ML)	27.2	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	Clay
● 25	782	100.0	100.0	100.0	100.0	88.9	78.0	59.6	50.5	34.3	25.8	19.3	14.5	11.0	8.8	7.3	65.7	27.0	7.3	
☒ 26	783	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	97.5	0.0	2.5	97.5	
▲ 27	784	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	97.1	0.0	2.9	97.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



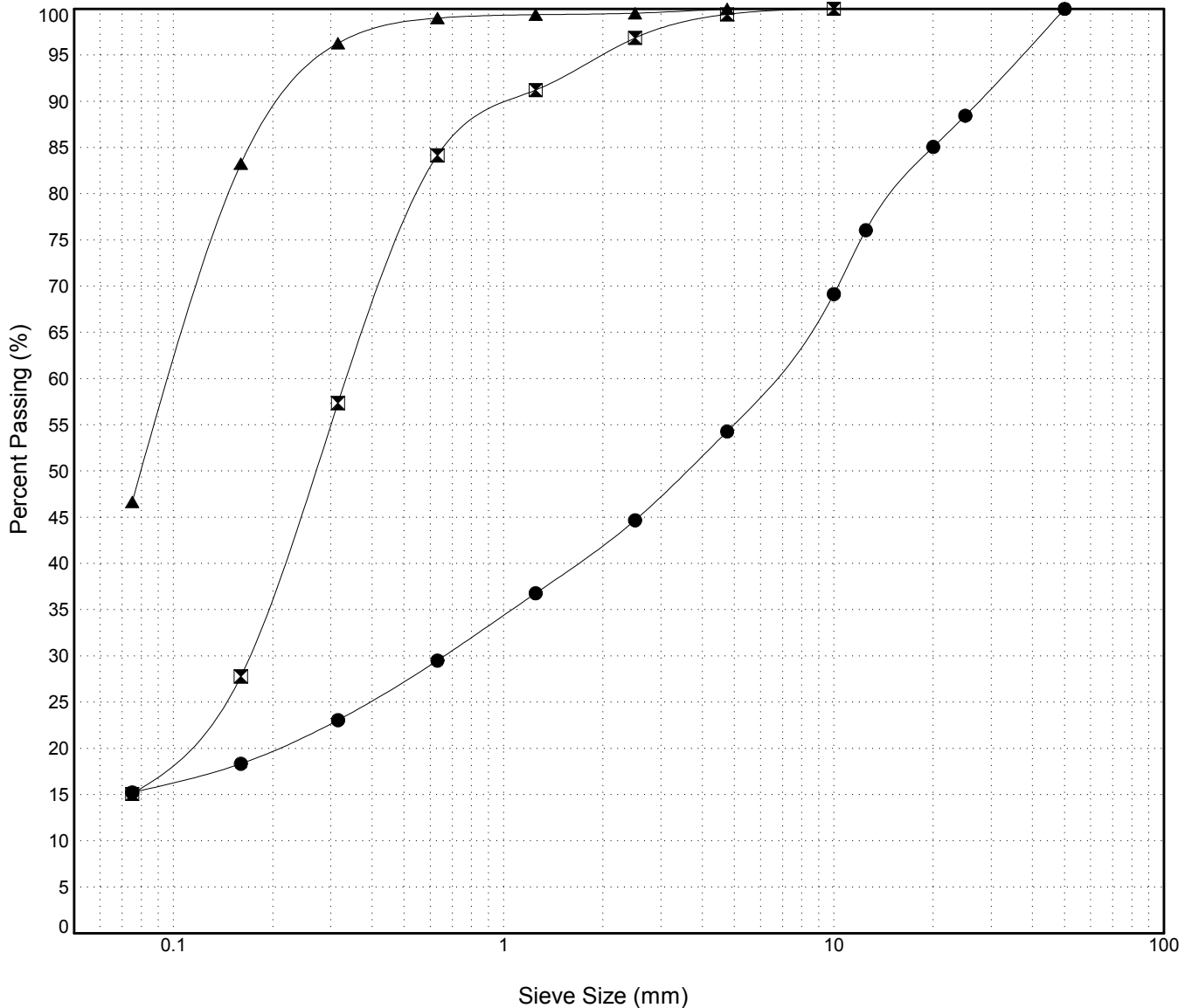
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5309
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6743341m E489527m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 28	785	1.0 to 5.0	SILTY GRAVEL with SAND(GM)	4.3	NP	NP	NP		
☒ 29	786	6.0 to 9.0	SILTY SAND(SM)	3.9	NP	NP	NP		
▲ 30	787	10.0 to 14.0	SILTY SAND(SM)	16.5	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
● 28	785	100.0	100.0	100.0	100.0	88.4	85.1	76.1	69.1	54.3	44.7	36.8	29.5	23.1	18.3	15.2	45.7	39.0	15.2
☒ 29	786	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	96.9	91.2	84.2	57.4	27.8	15.1	0.6	84.3	15.1
▲ 30	787	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.4	99.0	96.3	83.2	46.7	0.0	53.3	46.7	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



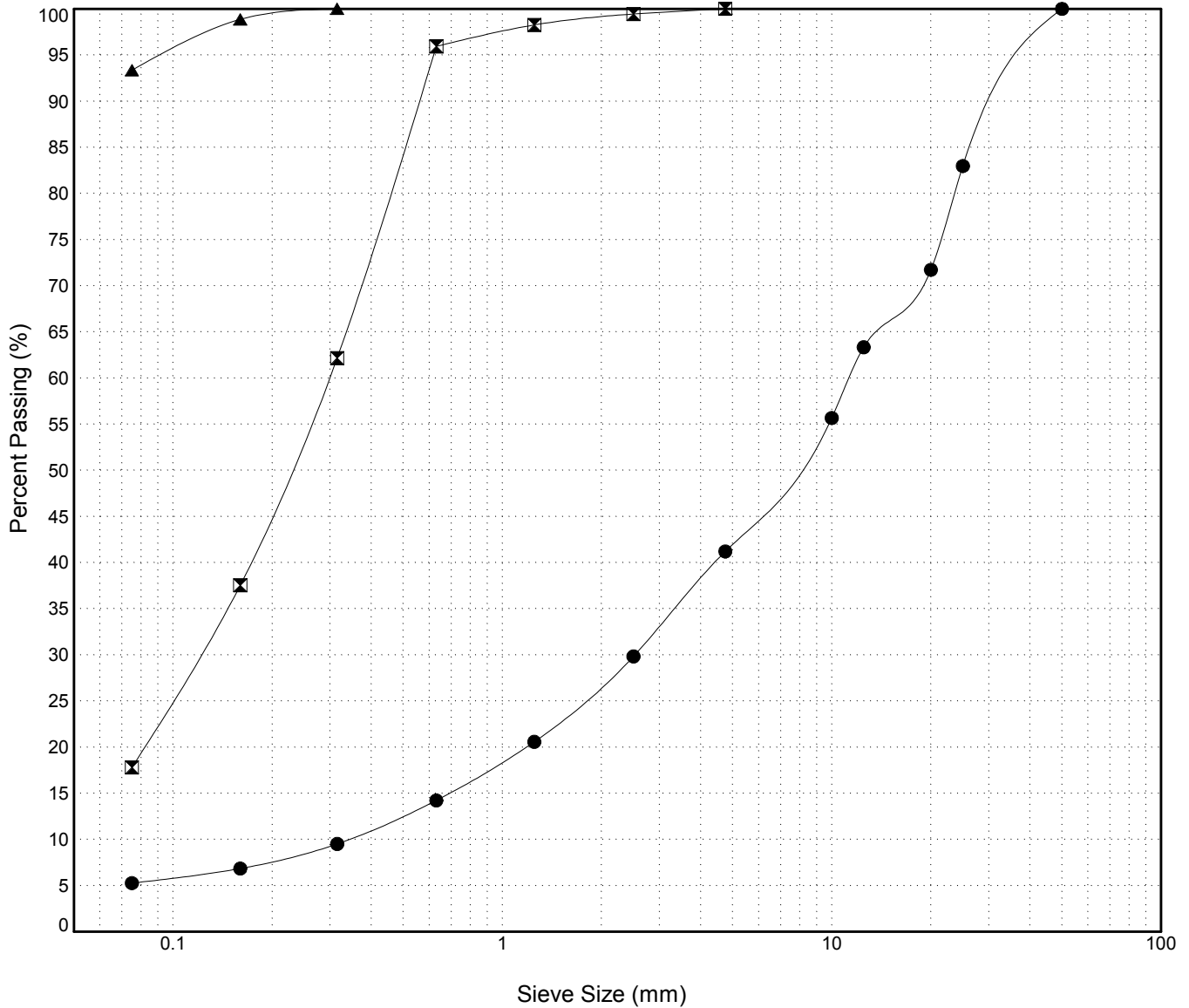
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5310
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6743508m E489636m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 31	788	1.0 to 5.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	3.5	NP	NP	NP	1.7	33.5
☒ 32	789	6.0 to 10.0	SILTY SAND(SM)	6.2	NP	NP	NP		
▲ 33	790	10.0 to 14.0	SILT(ML)	21.8	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	Clay
● 31	788	100.0	100.0	100.0	100.0	83.0	71.7	63.3	55.7	41.2	29.8	20.6	14.2	9.5	6.8	5.3	58.8	35.9	5.3	
☒ 32	789	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	98.3	95.9	62.2	37.5	17.8	0.0	82.2	17.8		
▲ 33	790	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.9	93.3	0.0	6.7	93.3		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



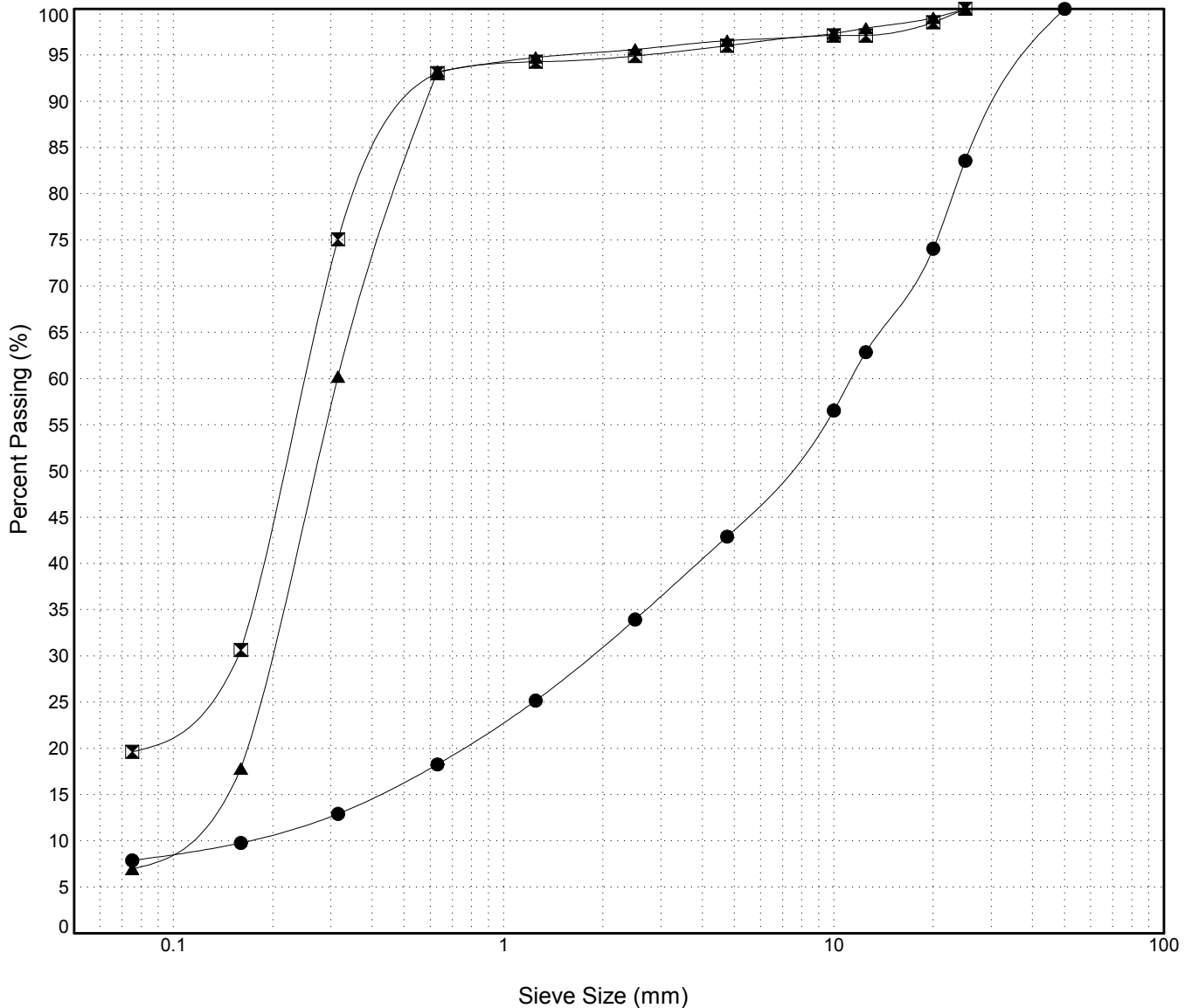
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5311
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6743679m E489741m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 34	791	1.0 to 4.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.5	NP	NP	NP	1.8	67.2
☒ 35	792	6.0 to 10.0	SILTY SAND(SM)	4.5	NP	NP	NP		
▲ 36	793	11.0 to 15.0	POORLY GRADED SAND with SILT(SP-SM)	9.6	NP	NP	NP	1.3	3.4

Field #	Lab #	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	% Breakdown			
																Gravel	Sand	Silt	Clay
● 34	791	100.0	100.0	100.0	83.6	74.1	62.9	56.6	42.9	33.9	25.2	18.3	12.9	9.8	7.9	57.1	35.0	7.9	
☒ 35	792	100.0	100.0	100.0	100.0	98.6	97.1	97.1	96.0	94.9	94.3	93.1	75.1	30.6	19.6	4.0	76.4	19.6	
▲ 36	793	100.0	100.0	100.0	100.0	99.0	97.9	97.3	96.6	95.6	94.7	93.2	60.2	17.8	7.0	3.4	89.6	7.0	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



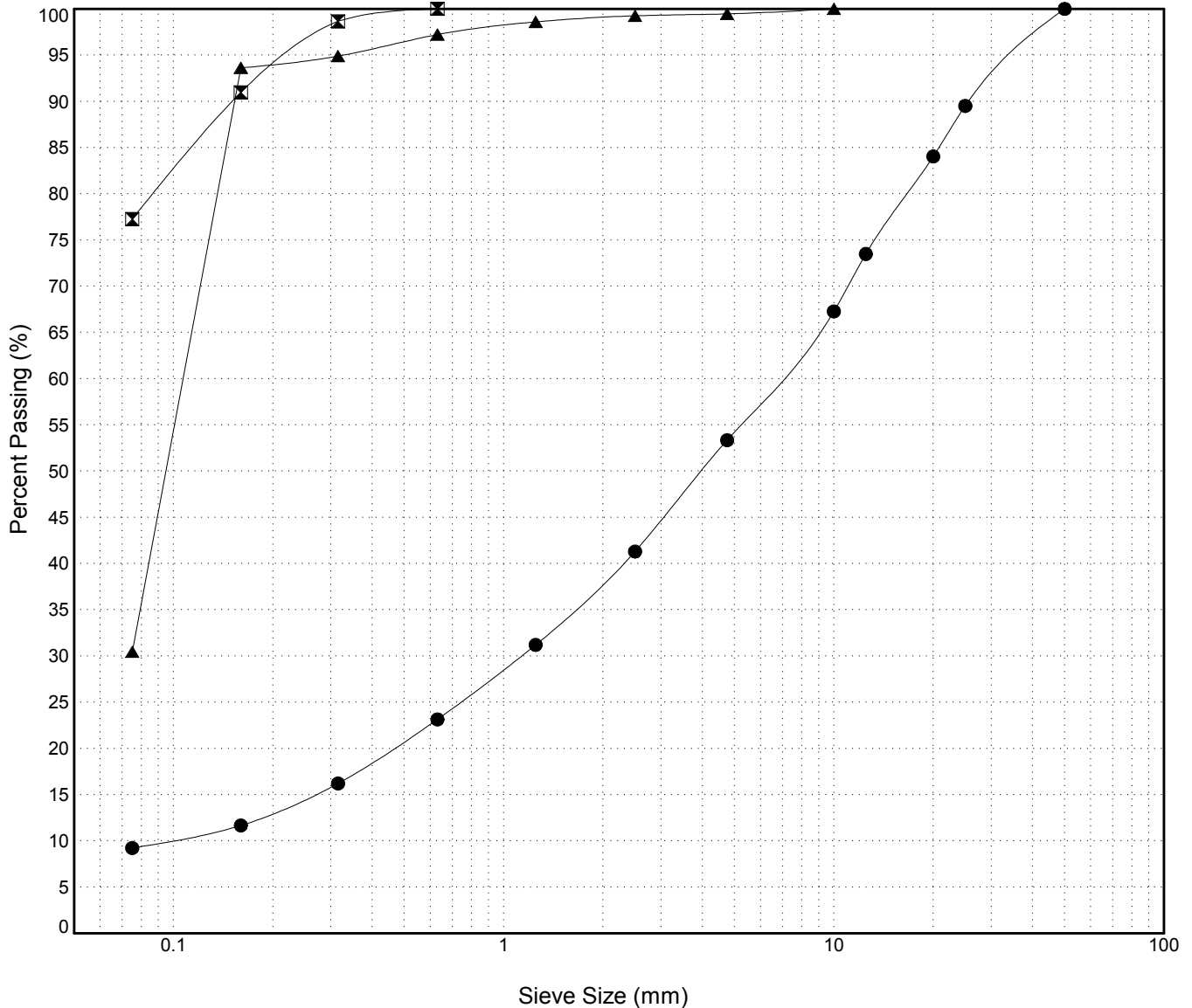
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5312
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6743892m E489802m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 37	794	1.0 to 5.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	4.3	NP	NP	NP	2.0	71.0
☒ 38	795	6.0 to 9.0	SILT with SAND(ML)	16.7	NP	NP	NP		
▲ 39	796	10.0 to 14.0	SILTY SAND(SM)	27.6	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	Clay
● 37	794	100.0	100.0	100.0	100.0	89.5	84.0	73.5	67.3	53.3	41.3	31.2	23.1	16.2	11.7	9.2	46.7	44.1	9.2	
☒ 38	795	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.7	91.0	77.3	0.0	22.7	77.3	
▲ 39	796	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.3	98.6	97.2	94.9	93.6	30.4		0.5	69.0	30.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



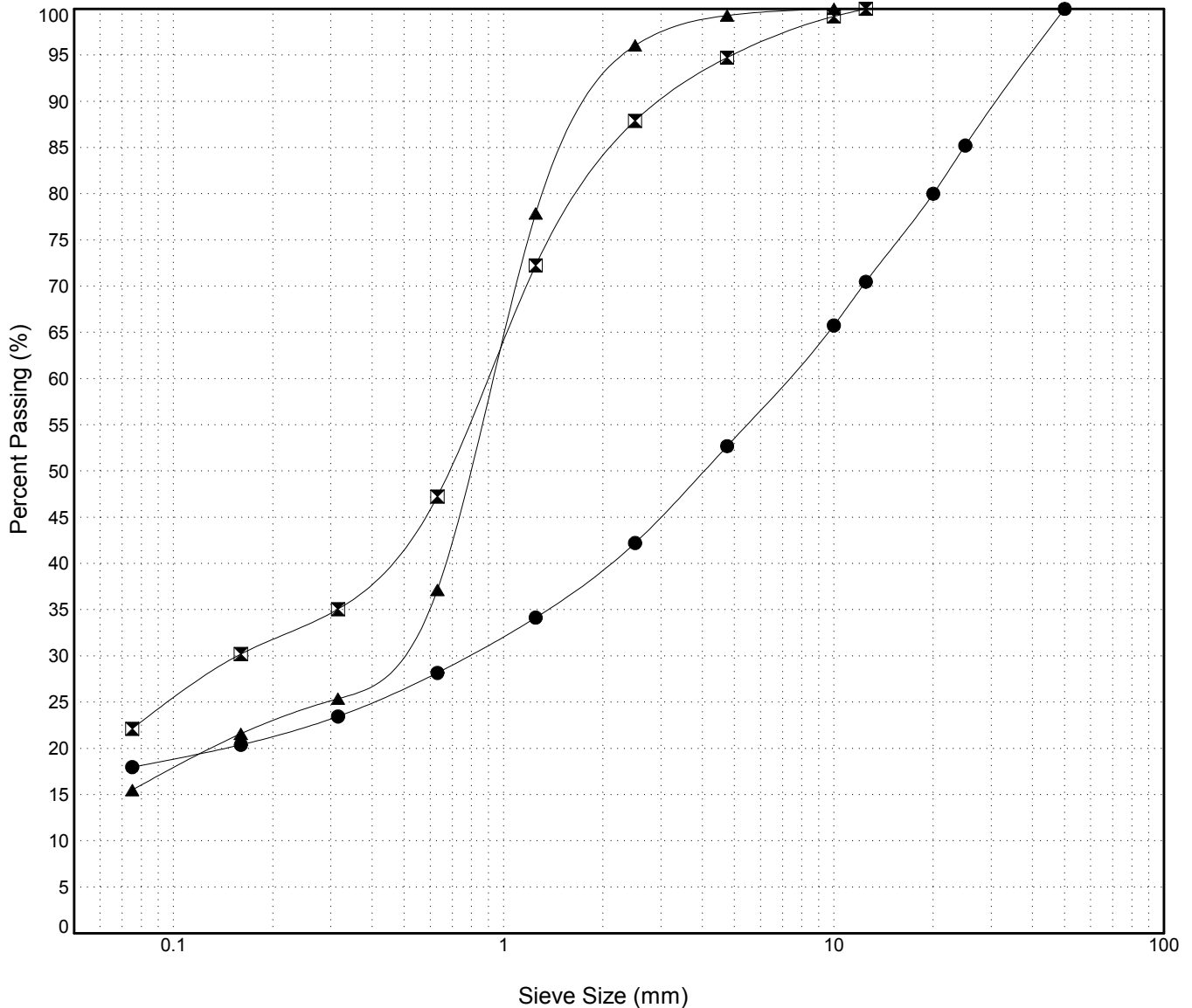
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5313
Midnigh Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6744093m E489792m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 40	797	1.0 to 4.0	SILTY GRAVEL with SAND(GM)	2.9	NP	NP	NP		
☒ 41	798	6.0 to 9.0	SILTY SAND(SM)	5.1	NP	NP	NP		
▲ 42	799	11.0 to 14.0	SILTY SAND(SM)	5.2	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	Clay
● 40	797	100.0	100.0	100.0	100.0	85.2	80.0	70.5	65.8	52.7	42.2	34.1	28.2	23.5	20.4	18.0	47.3	34.7	18.0	
☒ 41	798	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	94.7	87.9	72.3	47.3	35.1	30.2	22.1	5.3	72.6	22.1	
▲ 42	799	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	96.0	77.9	37.1	25.4	21.6	15.5	0.7	83.8	15.5		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



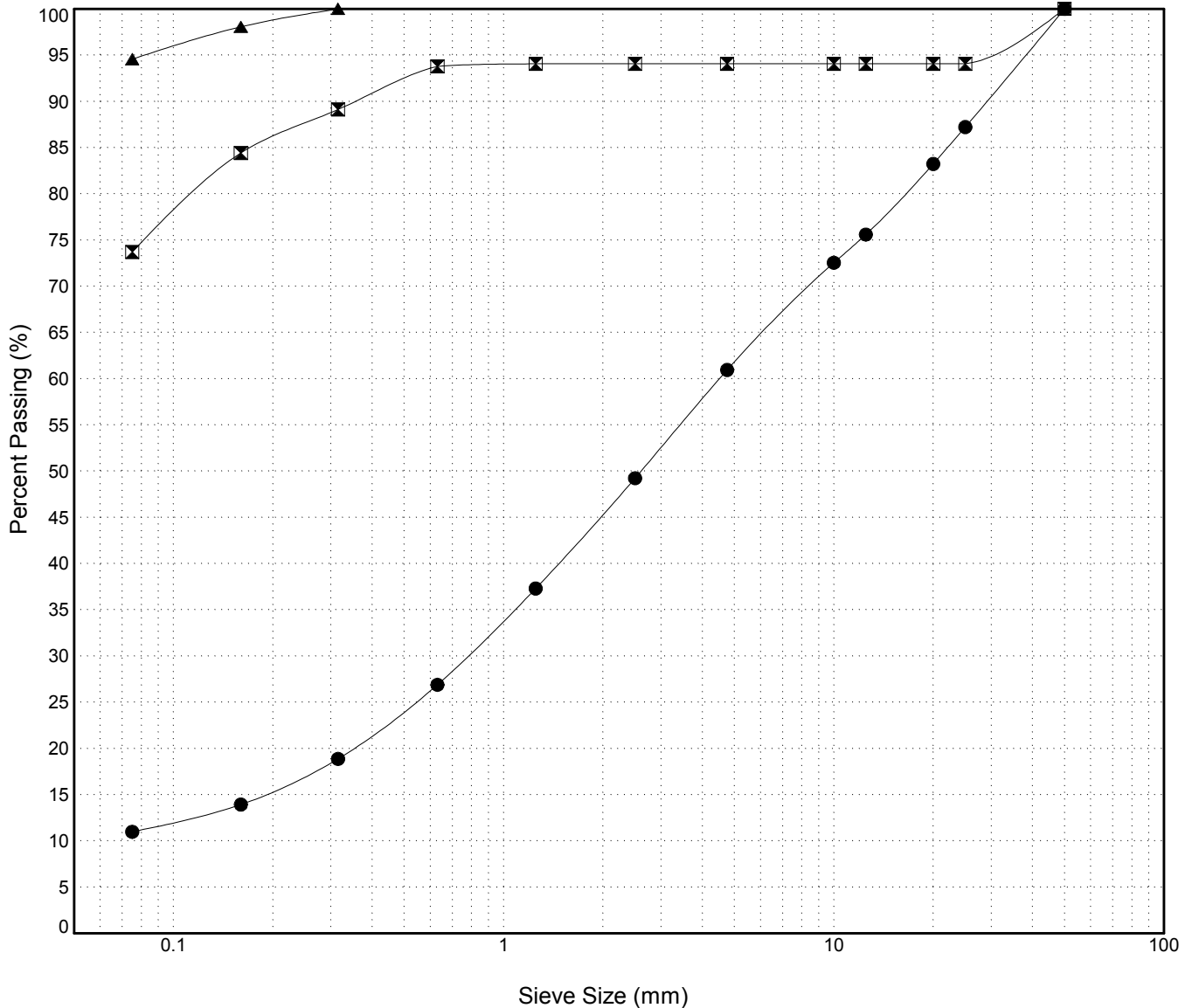
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5314
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6744297m E489765m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 43	800	1.0 to 4.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.4	NP	NP	NP	2.3	77.3
☒ 44	801	6.0 to 9.0	SILT with SAND(ML)	16.8	NP	NP	NP		
▲ 45	802	11.0 to 14.0	SILT(ML)	25.4	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	Clay
● 43	800	100.0	100.0	100.0	100.0	87.2	83.2	75.6	72.5	60.9	49.2	37.3	26.9	18.9	13.9	11.0	39.1	50.0	11.0	
☒ 44	801	100.0	100.0	100.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	93.8	89.1	84.4	73.7	5.9	20.4	73.7	
▲ 45	802	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.1	94.6	0.0	5.4	94.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



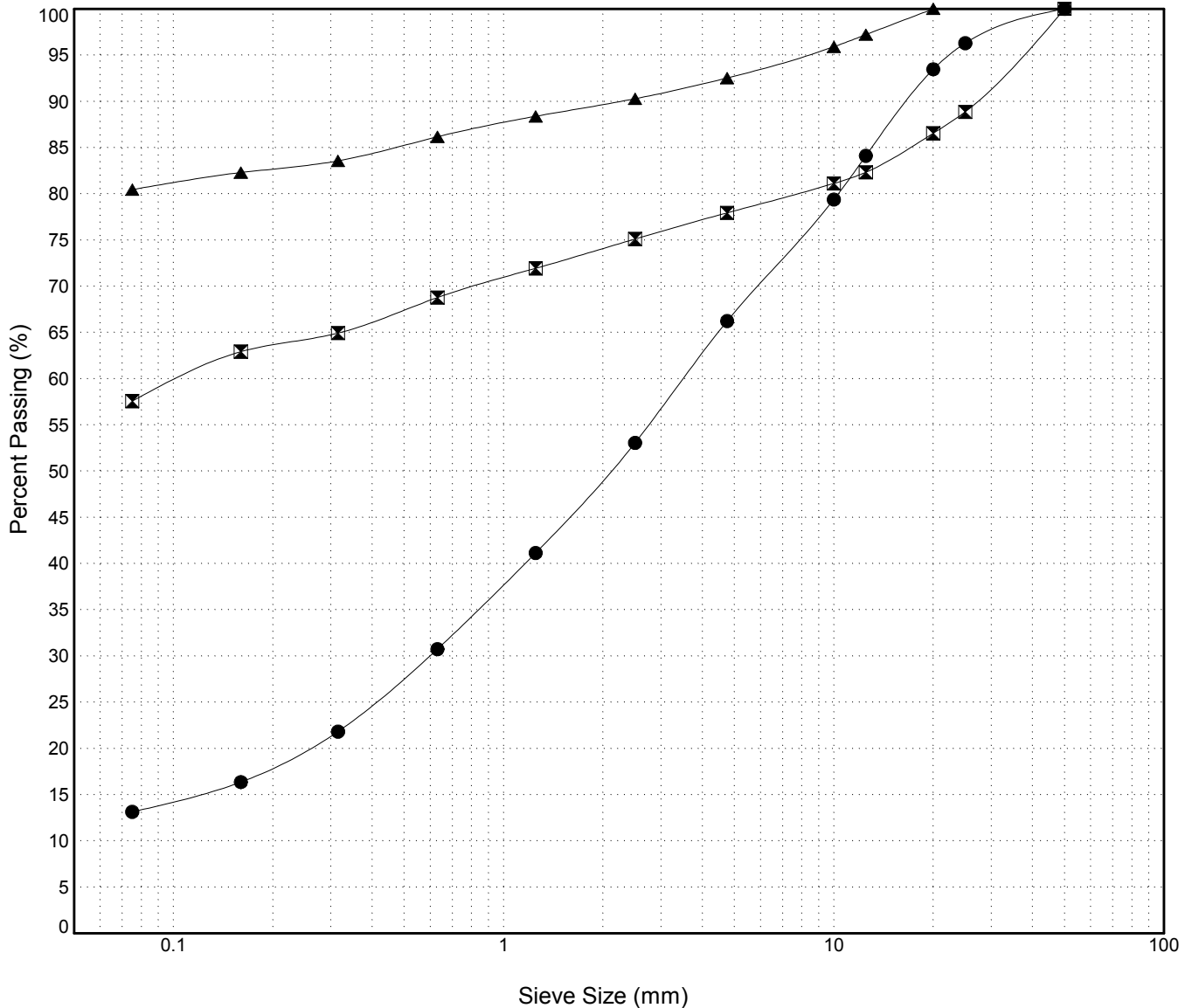
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5315
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6744476m E489740m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 46	803	1.0 to 4.0	SILTY SAND with GRAVEL(SM)	2.9	NP	NP	NP		
☒ 47	804	5.0 to 9.0	GRAVELLY SILT with SAND(ML)	14.3	NP	NP	NP		
▲ 48	805	10.0 to 14.0	SILT with SAND(ML)	21.3	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	Clay
● 46	803	100.0	100.0	100.0	100.0	96.3	93.5	84.1	79.4	66.2	53.1	41.1	30.7	21.8	16.4	13.1	33.8	53.1	13.1	
☒ 47	804	100.0	100.0	100.0	88.9	86.5	82.3	81.1	77.9	75.1	71.9	68.8	64.9	62.9	57.6	22.1	20.4	57.6		
▲ 48	805	100.0	100.0	100.0	100.0	100.0	97.2	95.9	92.5	90.3	88.4	86.2	83.6	82.3	80.4	7.5	12.1	80.4		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



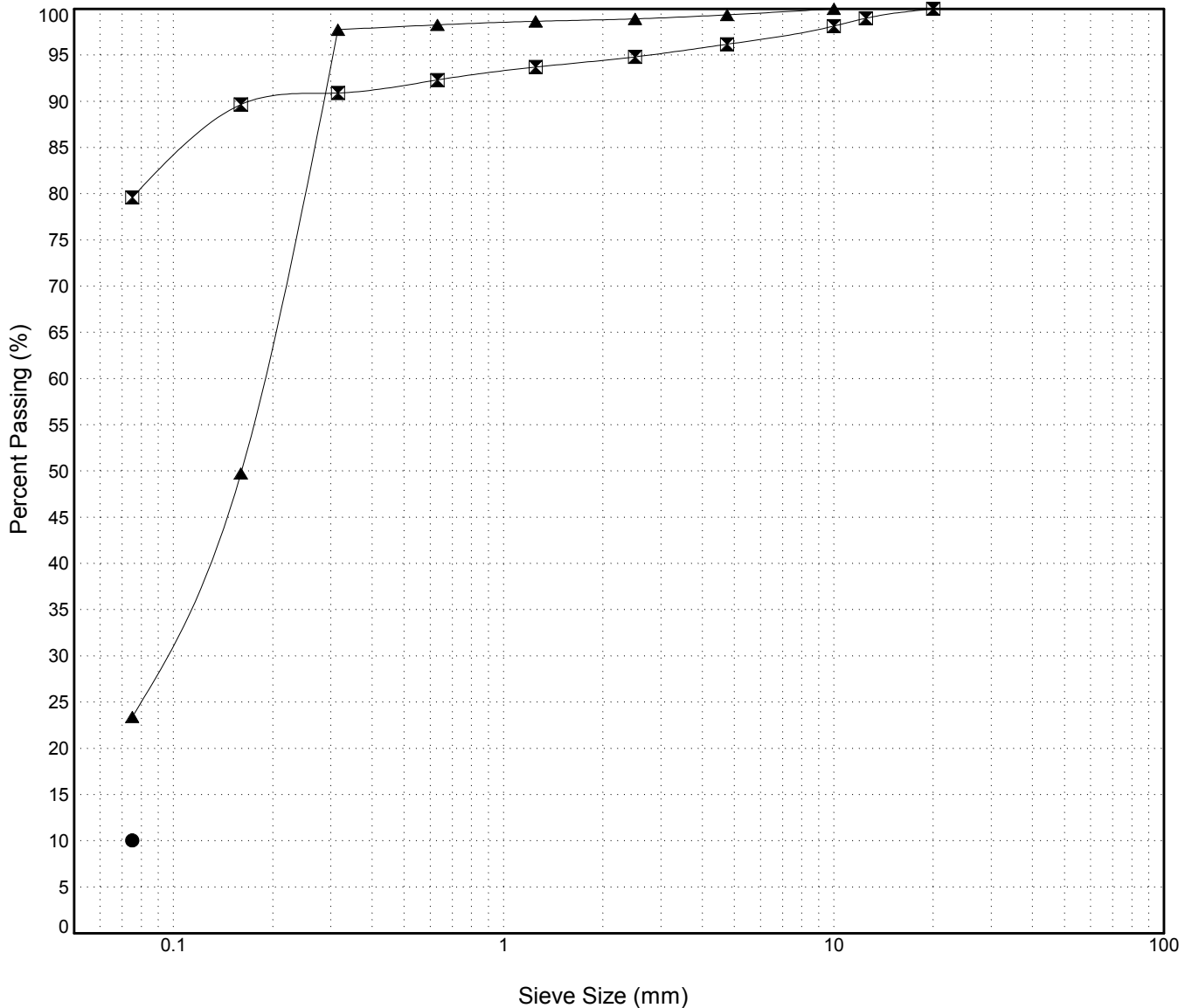
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5316
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6744625m E489724m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 49	806	0.0 to 5.0		2.6	NP	NP	NP		
☒ 50	807	6.0 to 10.0	SILT with SAND(ML)	13.3	NP	NP	NP		
▲ 51	808	10.0 to 14.0	SILTY SAND(SM)	4.6	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	Clay
● 49	806	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10.0			10.0
☒ 50	807	100.0	100.0	100.0	100.0	100.0	99.0	98.1	96.2	94.8	93.7	92.3	90.9	89.7	79.6		3.8	16.6		79.6
▲ 51	808	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	98.9	98.7	98.3	97.8	49.7	23.4		0.6	76.0		23.4

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



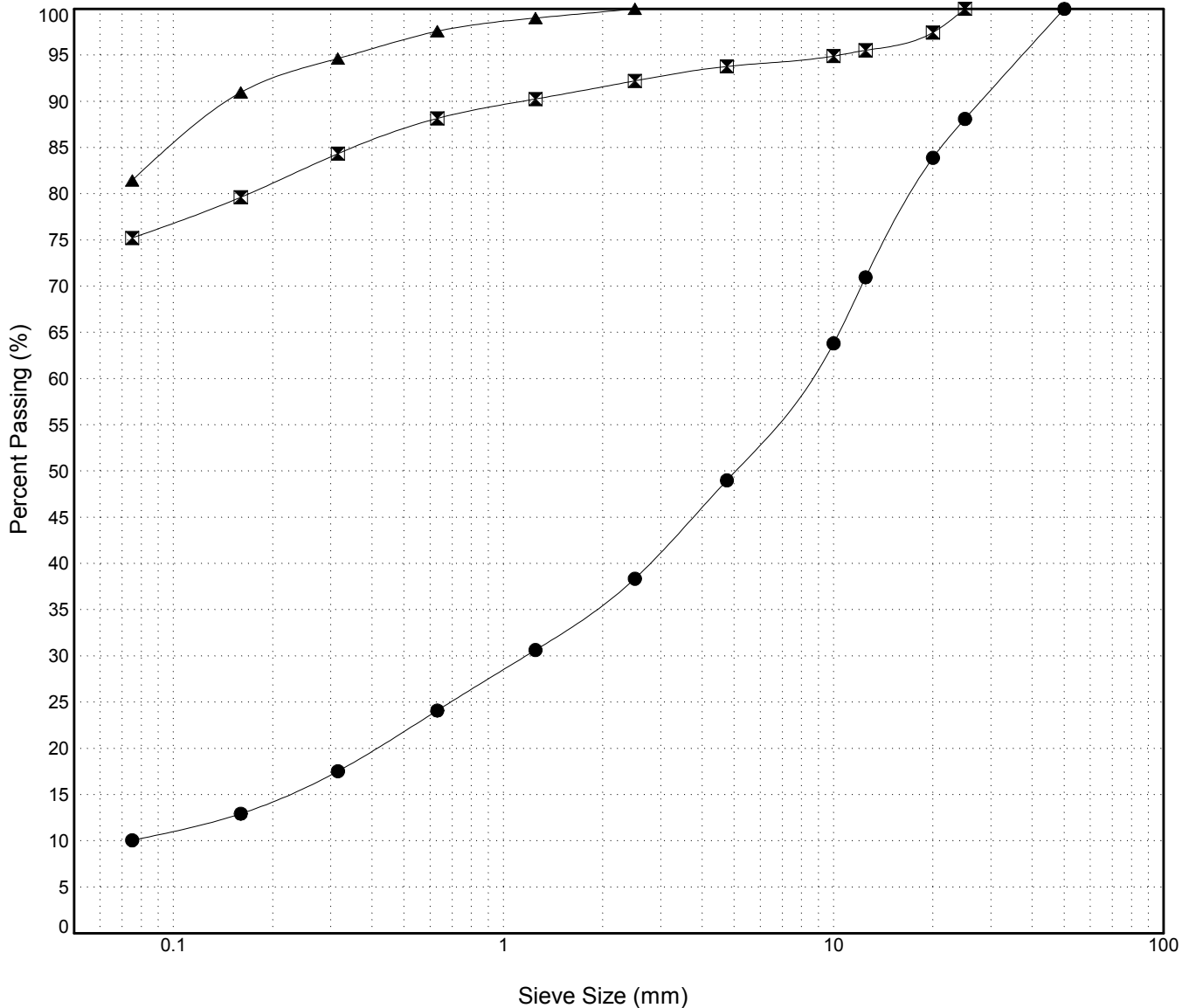
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5317
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6744879m E489741m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 52	809	0.0 to 5.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	2.1	NP	NP	NP	2.2	111.8
☒ 53	810	6.0 to 10.0	SILT with SAND(ML)	17.3	NP	NP	NP		
▲ 54	811	10.0 to 14.0	SILT with SAND(ML)	15.0	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	Clay
● 52	809	100.0	100.0	100.0	100.0	88.1	83.9	71.0	63.8	49.0	38.4	30.6	24.1	17.5	12.9	10.1	51.0	38.9	10.1	
☒ 53	810	100.0	100.0	100.0	100.0	97.4	95.5	94.9	93.8	92.2	90.3	88.2	84.3	79.6	75.2		6.2	18.6	75.2	
▲ 54	811	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	97.6	94.6	91.0	81.4		0.0	18.6	81.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



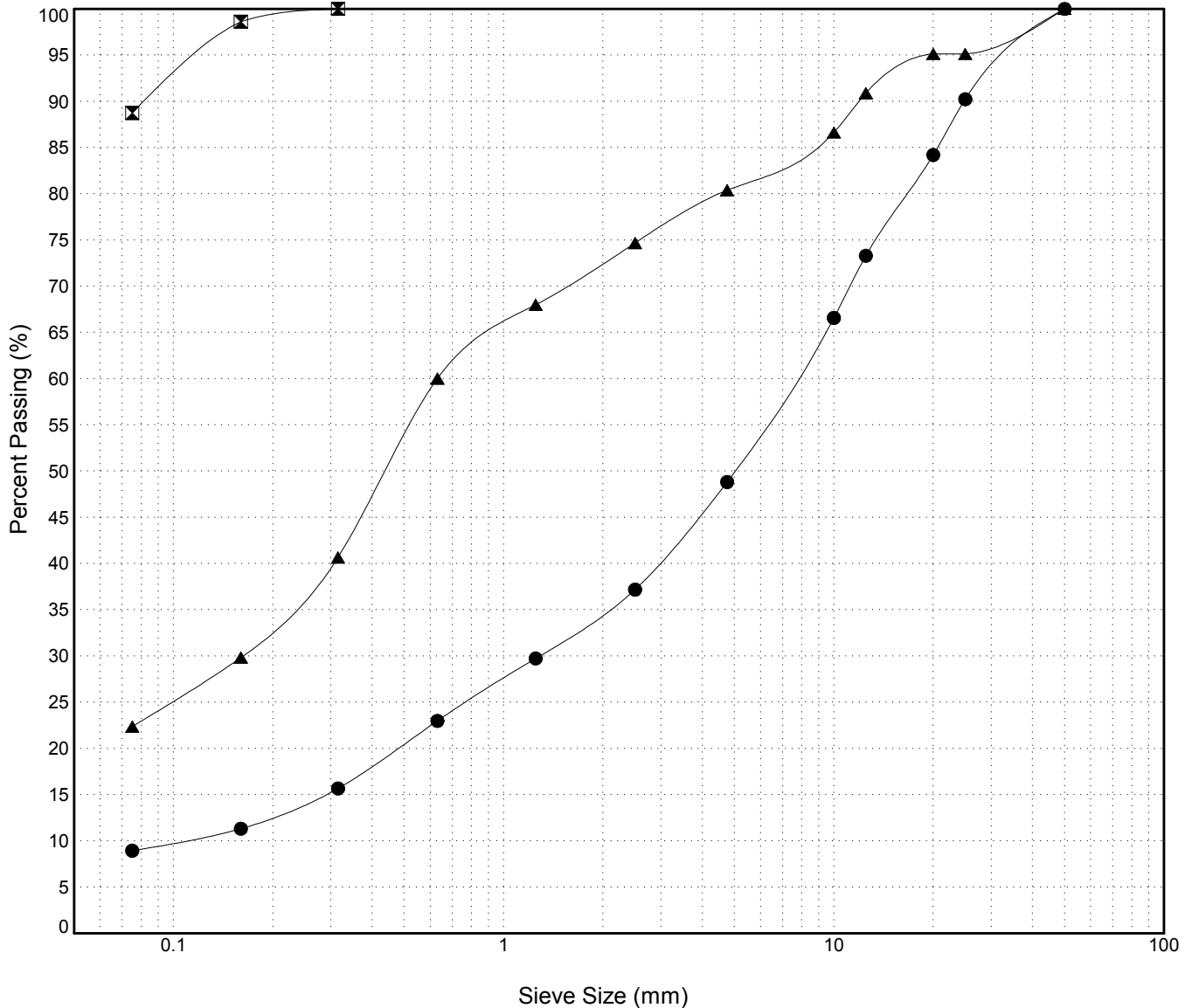
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5318
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6745056m E489788m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 55	812	1.0 to 5.0	WELL-GRADED GRAVEL with SILT and SAND(GW-GM)	1.8	NP	NP	NP	2.1	72.1
☒ 56	813	5.0 to 9.0	SILT(ML)	21.9	NP	NP	NP		
▲ 57	814	10.0 to 14.0	SILTY SAND with GRAVEL(SM)	3.9	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	Clay
● 55	812	100.0	100.0	100.0	90.2	84.2	73.3	66.6	48.8	37.2	29.7	23.0	15.7	11.3	8.9	51.2	39.9	8.9	
☒ 56	813	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.6	88.7	0.0	11.3	88.7	
▲ 57	814	100.0	100.0	100.0	95.1	95.1	90.9	86.6	80.4	74.7	68.0	60.0	40.7	29.8	22.4	19.6	58.0	22.4	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



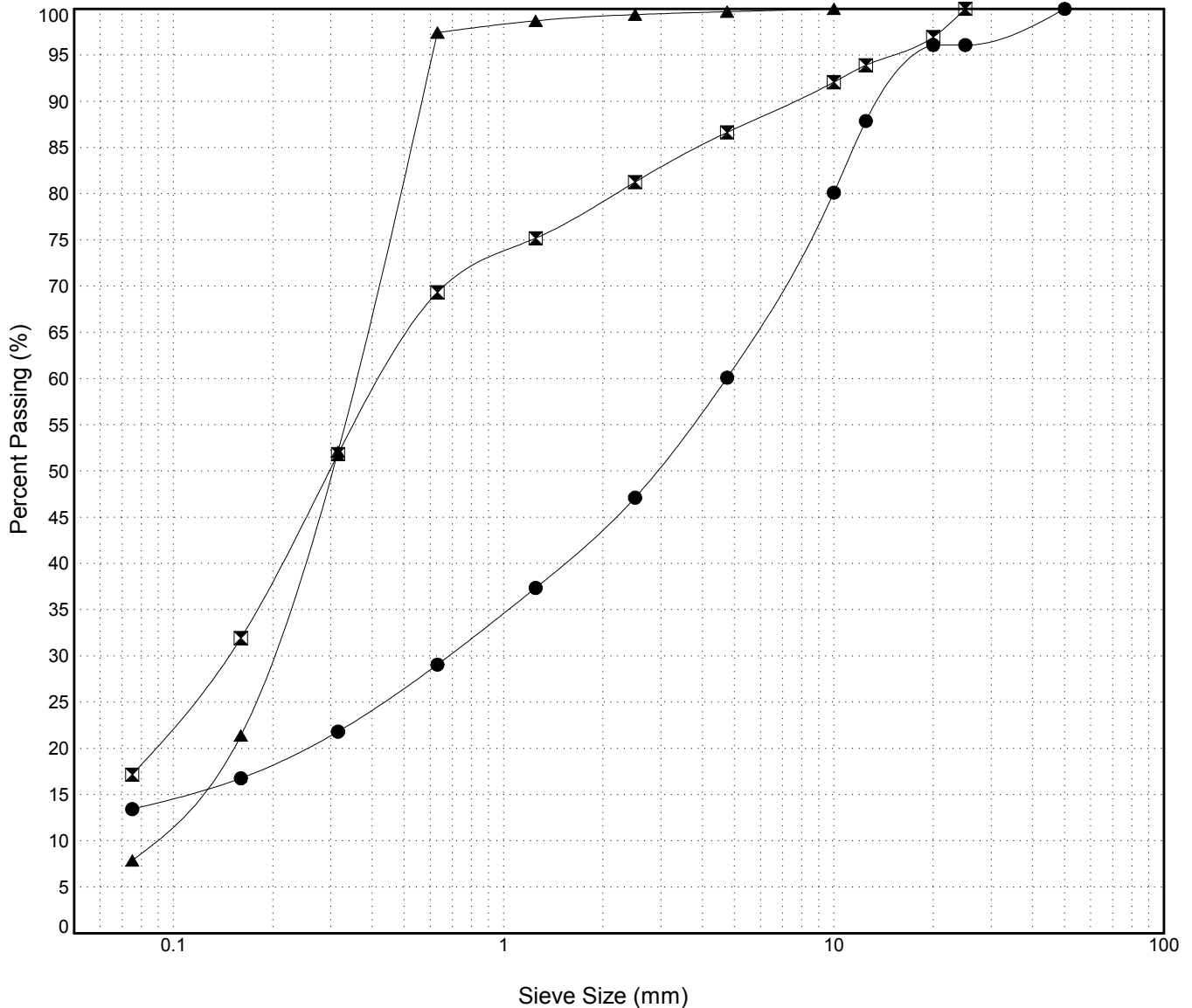
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5319
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6745811m E489230m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 58	815	1.0 to 5.0	SILTY SAND with GRAVEL(SM)	2.0	NP	NP	NP		
☒ 59	816	8.0 to 10.0	SILTY SAND(SM)	2.6	NP	NP	NP		
▲ 60	817	10.0 to 14.0	POORLY GRADED SAND with SILT(SP-SM)	2.7	NP	NP	NP	1.2	4.2

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
● 58	815	100.0	100.0	100.0	96.1	96.1	87.9	80.1	60.1	47.1	37.4	29.1	21.8	16.8	13.4	39.9	46.7	13.4	
☒ 59	816	100.0	100.0	100.0	100.0	97.0	93.9	92.1	86.6	81.3	75.2	69.3	51.8	31.9	17.2	13.4	69.5	17.2	
▲ 60	817	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.4	98.7	97.4	52.1	21.4	7.9	0.3	91.8	7.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



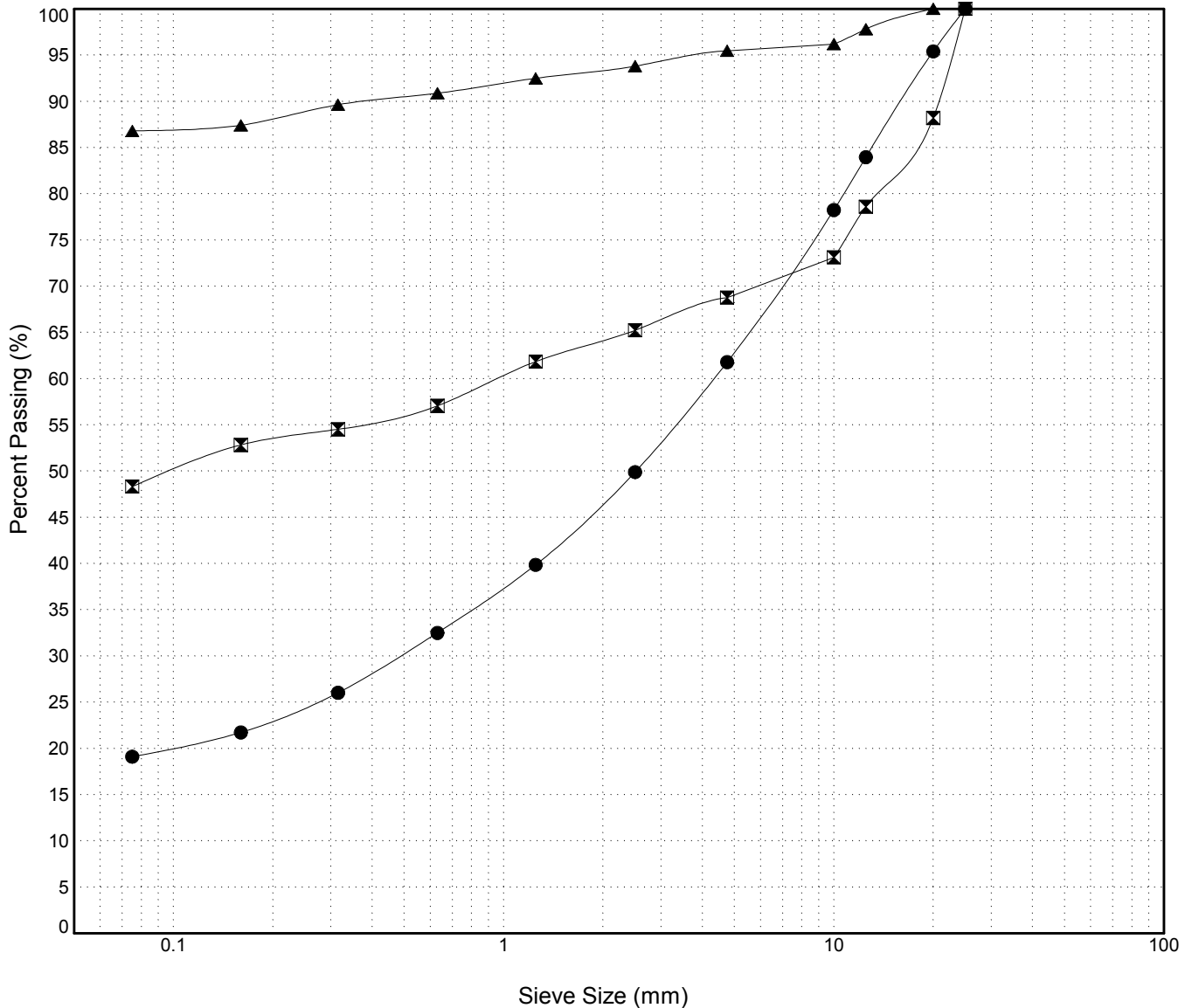
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5320
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6745274m E489850m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 61	818	1.0 to 5.0	SILTY SAND with GRAVEL(SM)	1.4	NP	NP	NP		
☒ 62	819	8.0 to 10.0	SILTY GRAVEL with SAND(GM)	13.0	NP	NP	NP		
▲ 63	820	10.0 to 14.0	SILT(ML)	21.2	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
● 61	818	100.0	100.0	100.0	100.0	100.0	95.4	84.0	78.2	61.8	49.9	39.9	32.5	26.0	21.7	19.1	38.2	42.7	19.1	
☒ 62	819	100.0	100.0	100.0	100.0	88.2	78.6	73.1	68.8	65.2	61.8	57.1	54.5	52.8	48.3	31.2	20.4	48.3		
▲ 63	820	100.0	100.0	100.0	100.0	100.0	97.8	96.2	95.5	93.8	92.5	90.9	89.6	87.4	86.8	4.5	8.7	86.8		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



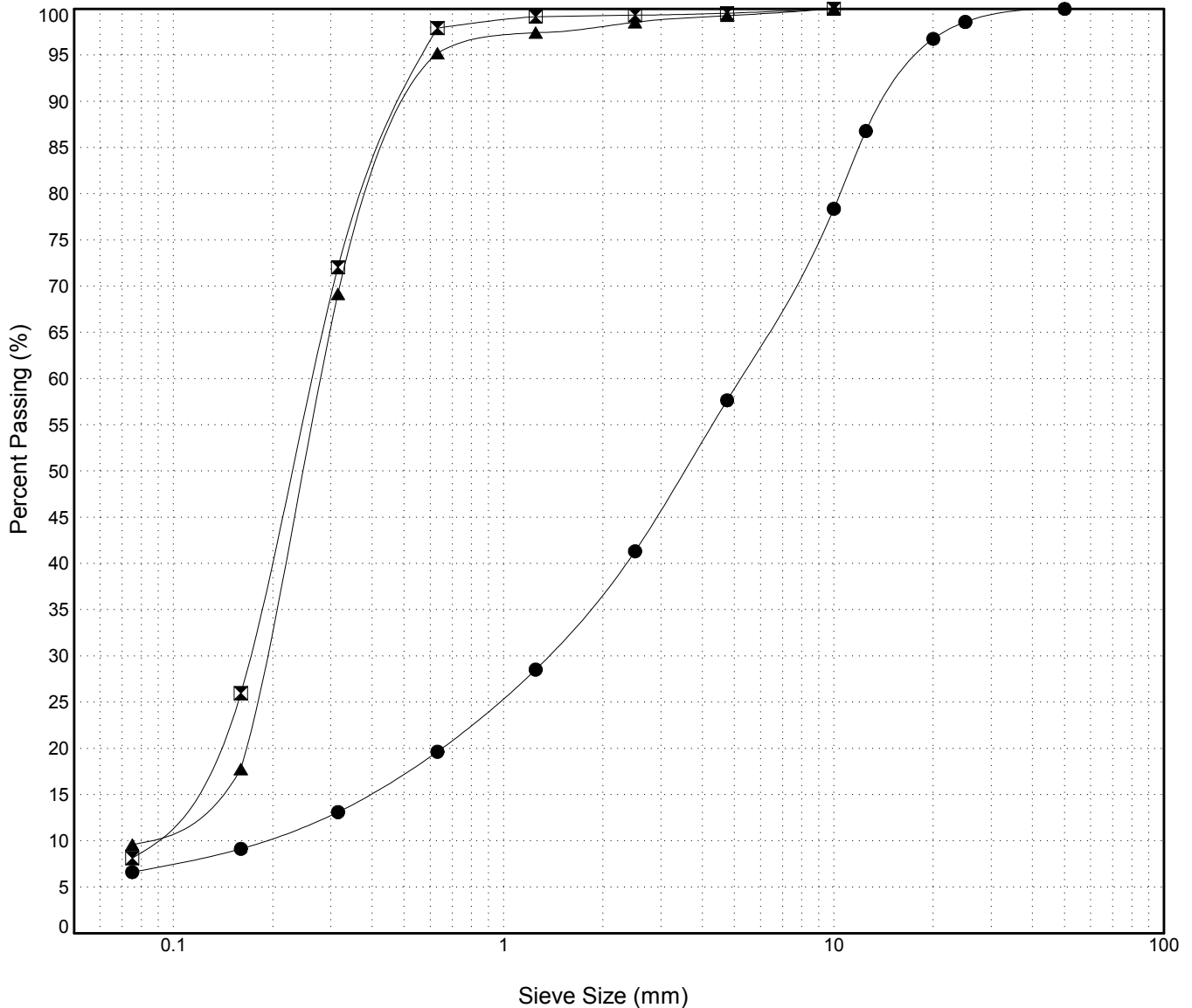
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5321
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6745420m E489835m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 64	821	1.0 to 5.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.4	NP	NP	NP	1.9	27.9
☒ 65	822	6.0 to 10.0	POORLY GRADED SAND with SILT(SP-SM)	2.6	NP	NP	NP	1.3	3.2
▲ 66	823	10.0 to 14.0	POORLY GRADED SAND with SILT(SP-SM)	3.2	NP	NP	NP	1.6	3.6

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
● 64	821	100.0	100.0	100.0	98.6	96.8	86.8	78.4	57.7	41.3	28.5	19.6	13.1	9.1	6.6	42.3	51.0	6.6	
☒ 65	822	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.3	99.2	97.9	72.0	26.0	8.1	0.5	91.4	8.1	
▲ 66	823	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	98.6	97.4	95.2	69.2	17.8	9.6	0.7	89.7	9.6	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



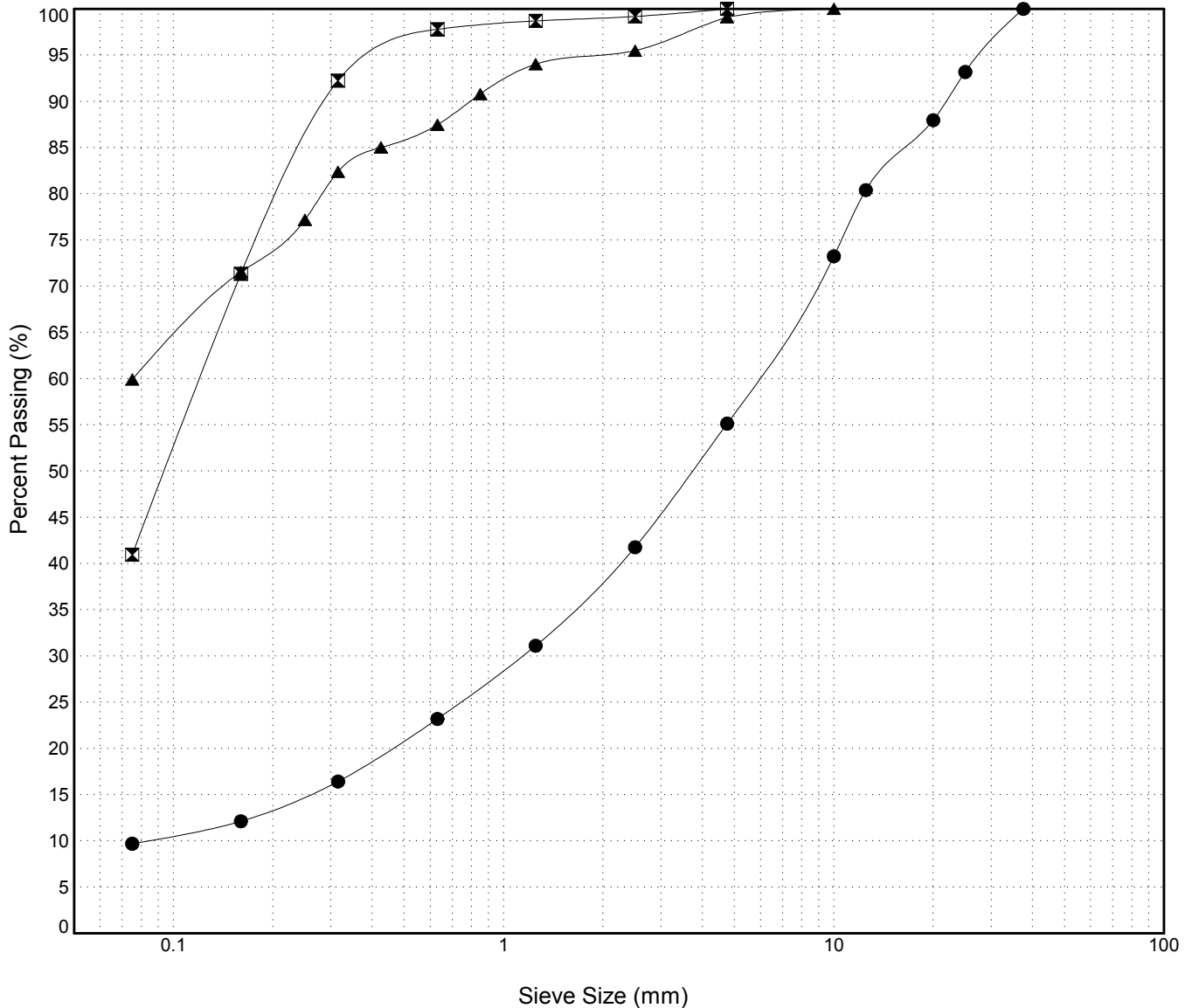
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5322
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6745555m E489749m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 67	824	1.0 to 5.0	WELL-GRADED SAND with SILT and GRAVEL(SW-SM)	1.9	NP	NP	NP	2.7	70.2
☒ 68	825	6.0 to 10.0	SILTY SAND(SM)	5.7	NP	NP	NP		
▲ 69	826	10.0 to 14.0	SANDY SILT(ML)	11.6	NP	NP	NP		

Field #	Lab #	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	% Breakdown			
																Gravel	Sand	Silt	Clay
● 67	824	100.0	100.0	100.0	93.2	88.0	80.4	73.2	55.1	41.8	31.1	23.2	16.4	12.1	9.7	44.9	45.4	9.7	
☒ 68	825	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	98.7	97.8	92.2	71.3	41.0	0.0	59.0	41.0	
▲ 69	826	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.1	95.5	94.0	87.5	82.4	71.5	59.9	0.9	39.2	59.9	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



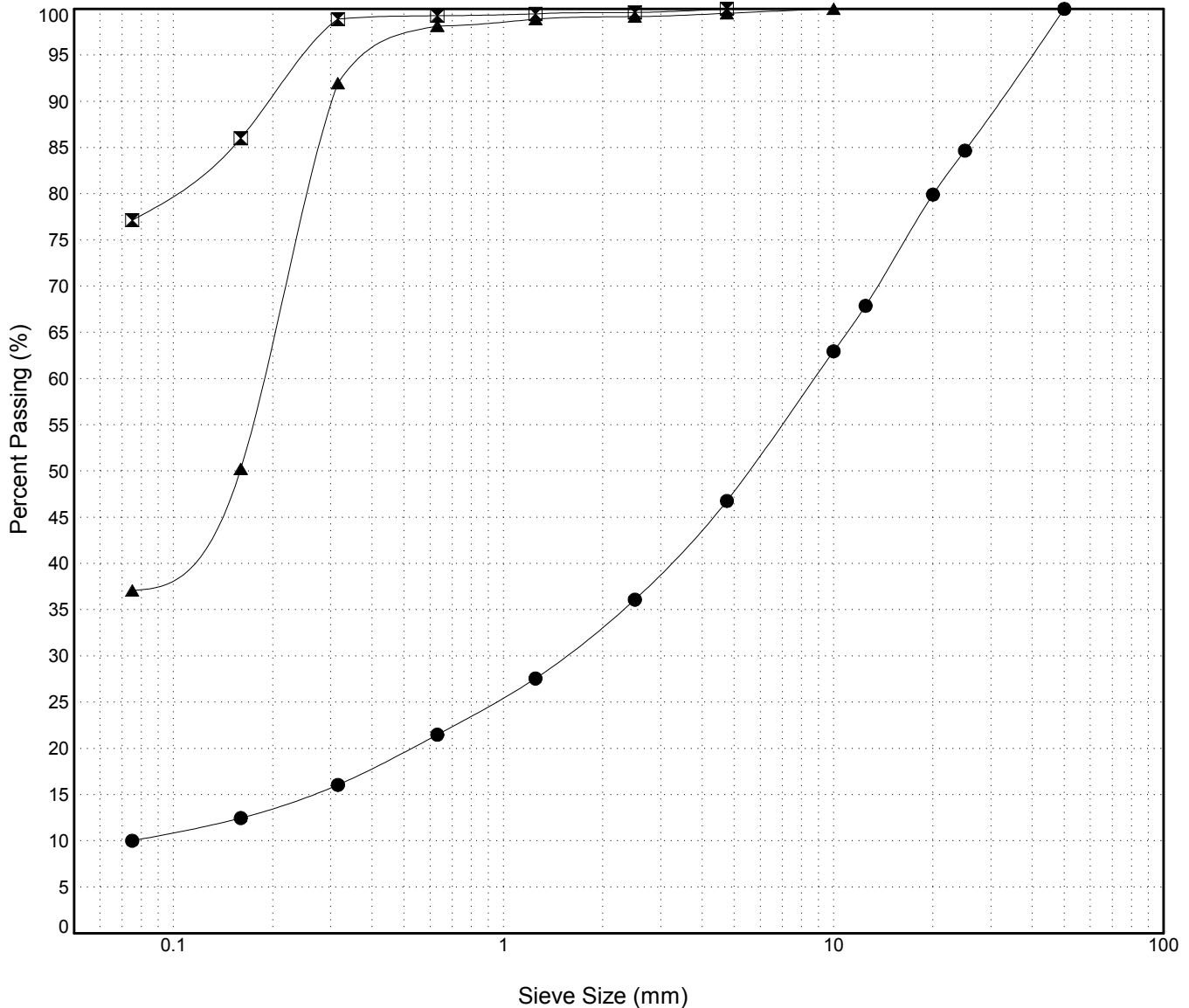
GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5323
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6745658m E489599m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 70	827	1.0 to 5.0	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	1.8	NP	NP	NP	3.6	116.9
☒ 71	828	6.0 to 10.0	SILT with SAND(ML)	14.9	NP	NP	NP		
▲ 72	829	10.0 to 14.0	SILTY SAND(SM)	6.2	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	Clay
● 70	827	100.0	100.0	100.0	100.0	84.7	79.9	67.9	63.0	46.8	36.1	27.6	21.5	16.0	12.5	10.0	53.2	36.8	10.0	
☒ 71	828	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.5	99.3	98.9	86.0	77.1	0.0	22.9	77.1	
▲ 72	829	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.2	98.9	98.2	92.0	50.2	37.1		0.5	62.5	37.1	

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse



GRAIN SIZE ANALYSIS	N.Klondike CL	SOURCE/TP#: 884-5324
Midnight Sun Drilling	191.6-196.8	PROJECT NO:
ODEX	Coordinates:Z08V N6745734m E489415m	ELEVATION: m

Master Revised July 2013

Field #	Lab #	Depth	Classification	%H2O	LL	PL	PI	Cc	Cu
● 73	830	1.0 to 5.0	SILTY SAND with GRAVEL(SM)	3.7	NP	NP	NP		
☒ 74	831	6.0 to 10.0	SILTY SAND with GRAVEL(SM)	9.5	NP	NP	NP		
▲ 75	832	10.0 to 14.0	SANDY SILT with GRAVEL(ML)	14.2	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
● 73	830	100.0	100.0	100.0	100.0	91.5	86.8	81.0	76.0	62.0	51.7	43.2	36.7	29.8	22.3	17.8	38.0	44.2	17.8	
☒ 74	831	100.0	100.0	100.0	100.0	86.8	80.9	78.5	71.9	67.9	65.7	63.2	54.1	41.0	31.4	28.1	40.5	31.4		
▲ 75	832	100.0	100.0	100.0	93.1	89.9	88.3	86.4	83.7	82.0	80.4	78.8	73.8	65.3	54.2	16.3	29.5	54.2		

Silt	Sand			Gravel	
	Fine	Medium	Coarse	Fine	Coarse

