
















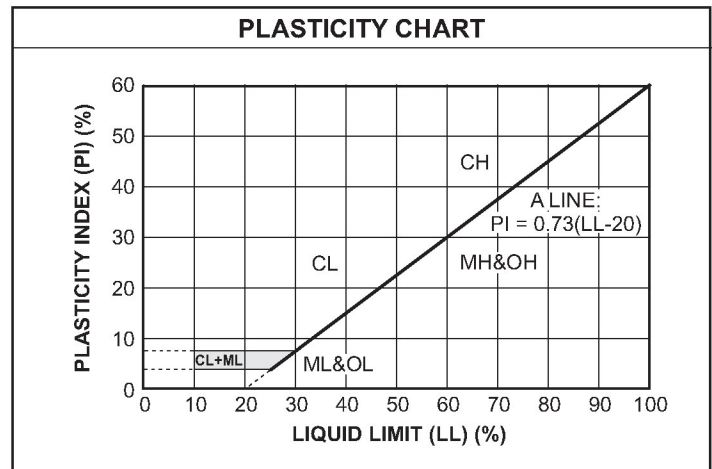
# UNIFIED SOIL CLASSIFICATION SYSTEM

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART		
<b>COARSE-GRAINED SOILS</b> (more than 50% of material is larger than No. 200 sieve size.)		
<b>GRAVELS</b> More than 50% of coarse fraction larger than No. 4 sieve size	Clean Gravels (Less than 5% fines)	
	 GW	Well-graded gravels, gravel-sand mixtures, little or no fines
	 GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines
	Gravels with fines (More than 12% fines)	
	 GM	Silty gravels, gravel-sand-silt mixtures
	 GC	Clayey gravels, gravel-sand-clay mixtures
<b>SANDS</b> 50% or more of coarse fraction smaller than No. 4 sieve size	Clean Sands (Less than 5% fines)	
	 SW	Well-graded sands, gravelly sands, little or no fines
	 SP	Poorly graded sands, gravelly sands, little or no fines
	Sands with fines (More than 12% fines)	
	 SM	Silty sands, sand-silt mixtures
	 SC	Clayey sands, sand-clay mixtures
<b>FINE-GRAINED SOILS</b> (50% or more of material is smaller than No. 200 sieve size.)		
<b>SILTS AND CLAYS</b> Liquid limit less than 50%	 ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
	 CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
	 OL	Organic silts and organic silty clays of low plasticity
<b>SILTS AND CLAYS</b> Liquid limit 50% or greater	 MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
	 CH	Inorganic clays of high plasticity, fat clays
	 OH	Organic clays of medium to high plasticity, organic silts
<b>HIGHLY ORGANIC SOILS</b>	 PT	Peat and other highly organic soils

LABORATORY CLASSIFICATION CRITERIA		
GW	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3	
GP	Not meeting all gradation requirements for GW	
GM	Atterberg limits below "A" line or P.I. less than 4	Above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols
GC	Atterberg limits above "A" line with P.I. greater than 7	
SW	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3	
SP	Not meeting all gradation requirements for GW	
SM	Atterberg limits below "A" line or P.I. less than 4	Limits plotting in shaded zone with P.I. between 4 and 7 are borderline cases requiring use of dual symbols.
SC	Atterberg limits above "A" line with P.I. greater than 7	

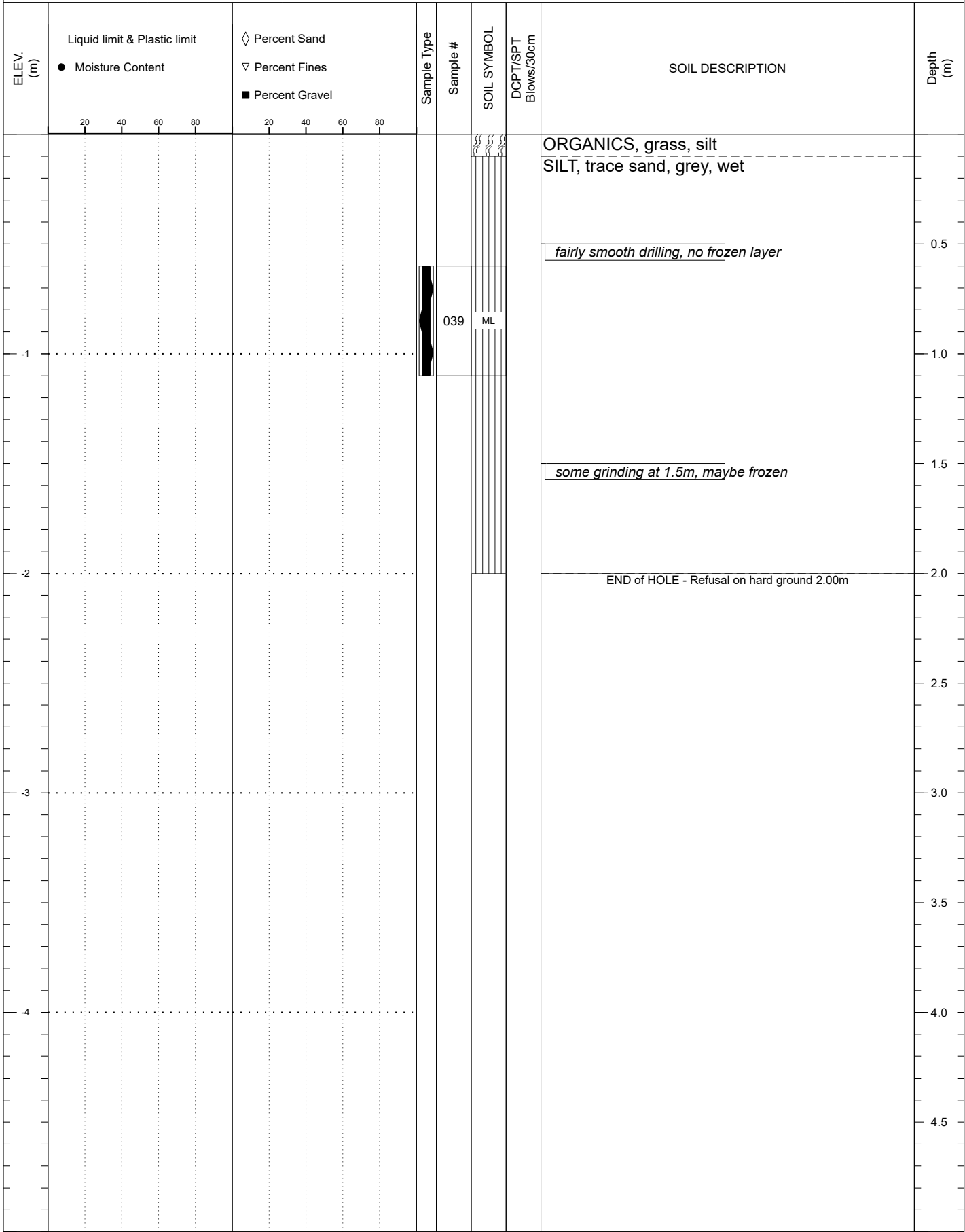
Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:

Less than 5 percent ..... GW, GP, SW, SP  
 More than 12 percent ..... GM, GC, SM, SC  
 5 to 12 percent ..... Borderline cases requiring dual symbols



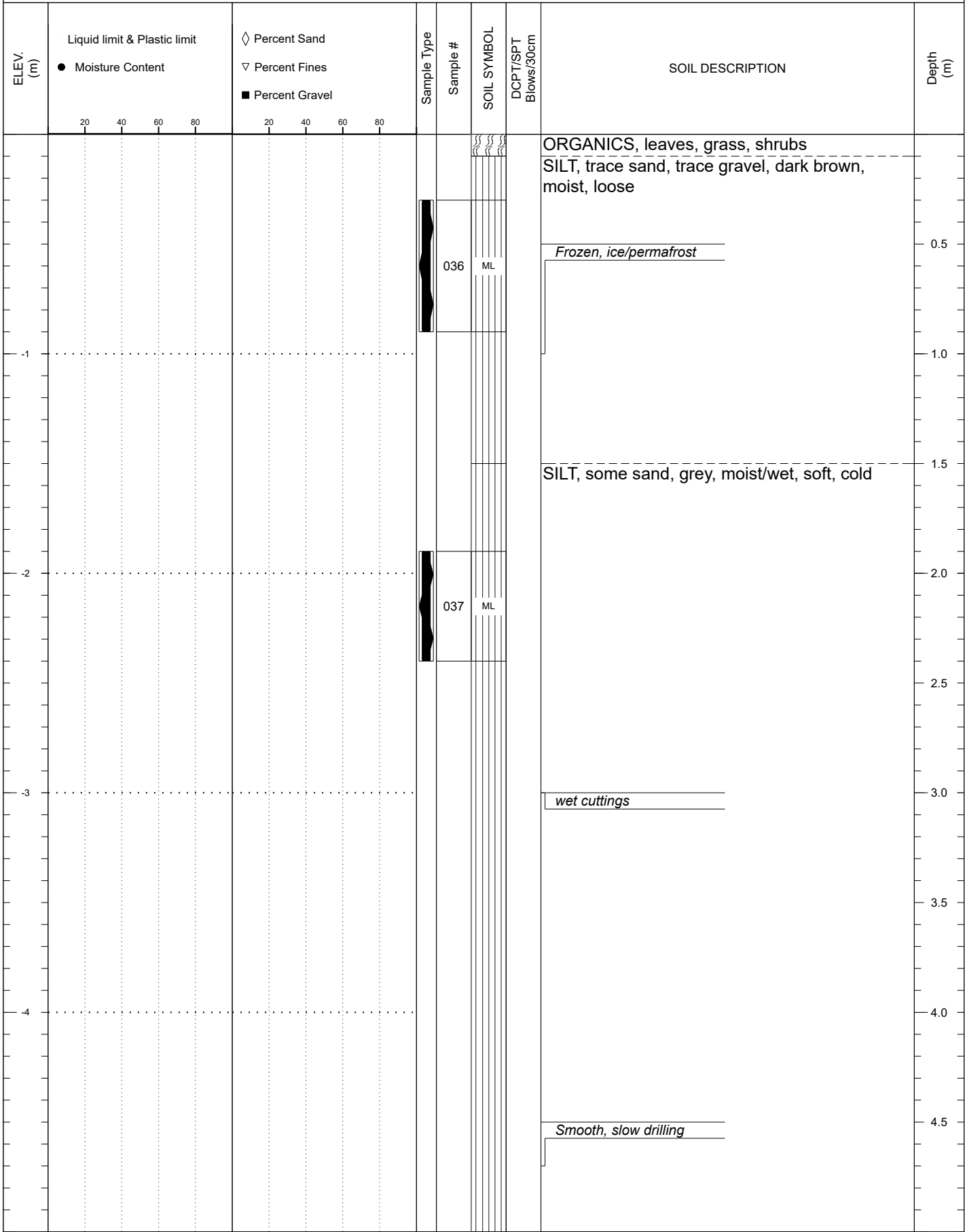
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-02
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6882948.00m E431990.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-03
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6882952.00m E431971.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-03
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6882952.00m E431971.00m	

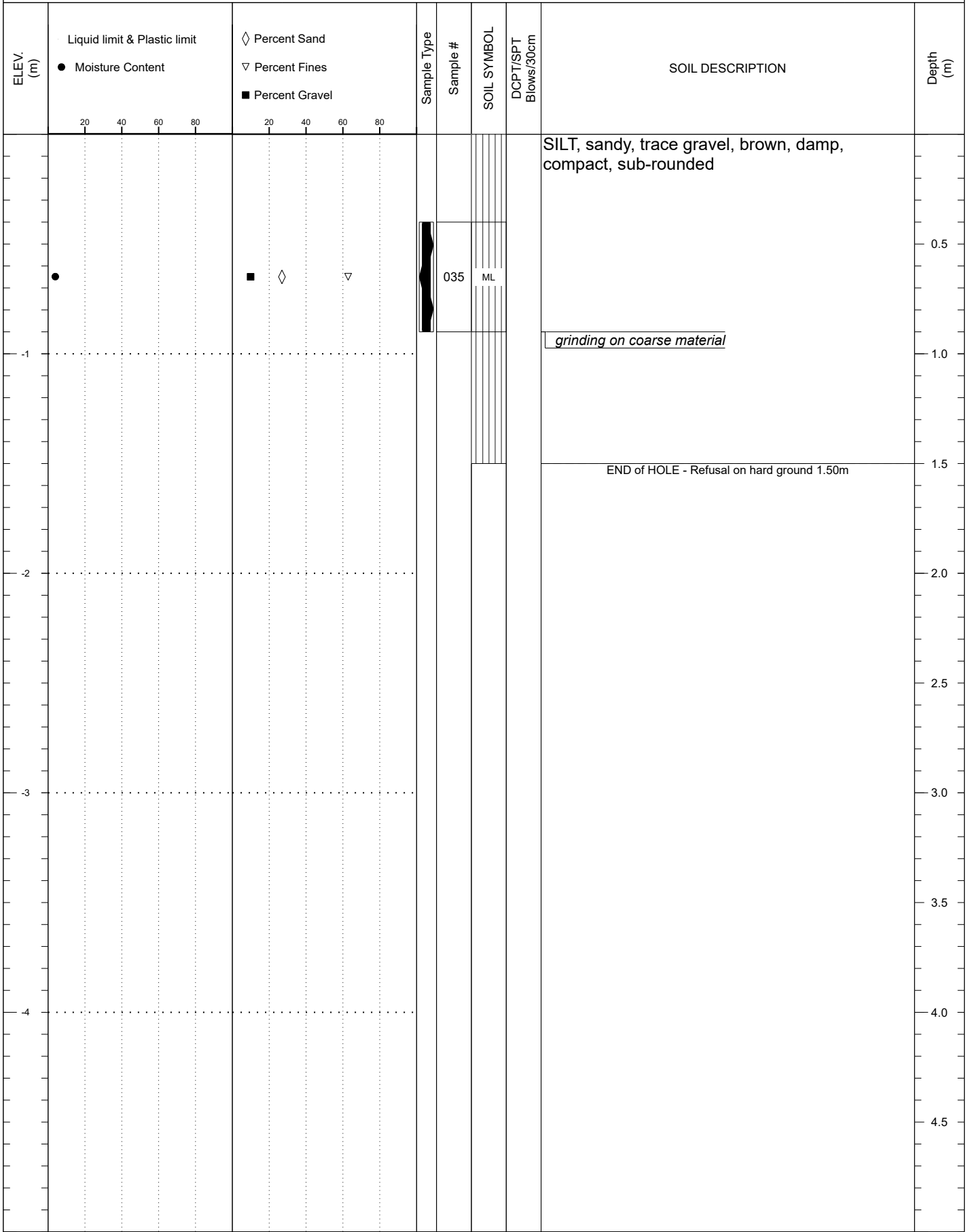
SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE

ELEV. (m)	Liquid limit & Plastic limit ● Moisture Content	◇ Percent Sand ▽ Percent Fines ■ Percent Gravel	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
							SILT, some sand, grey, moist/wet, soft, cold	
							<i>Smooth drilling</i>	5.5
-6								6.0
-7								7.0
				038	ML		<i>smooth drilling</i>	7.5
-8							END of HOLE - Target Depth Reached 8.00m	8.0
								8.5
								9.0
								9.5



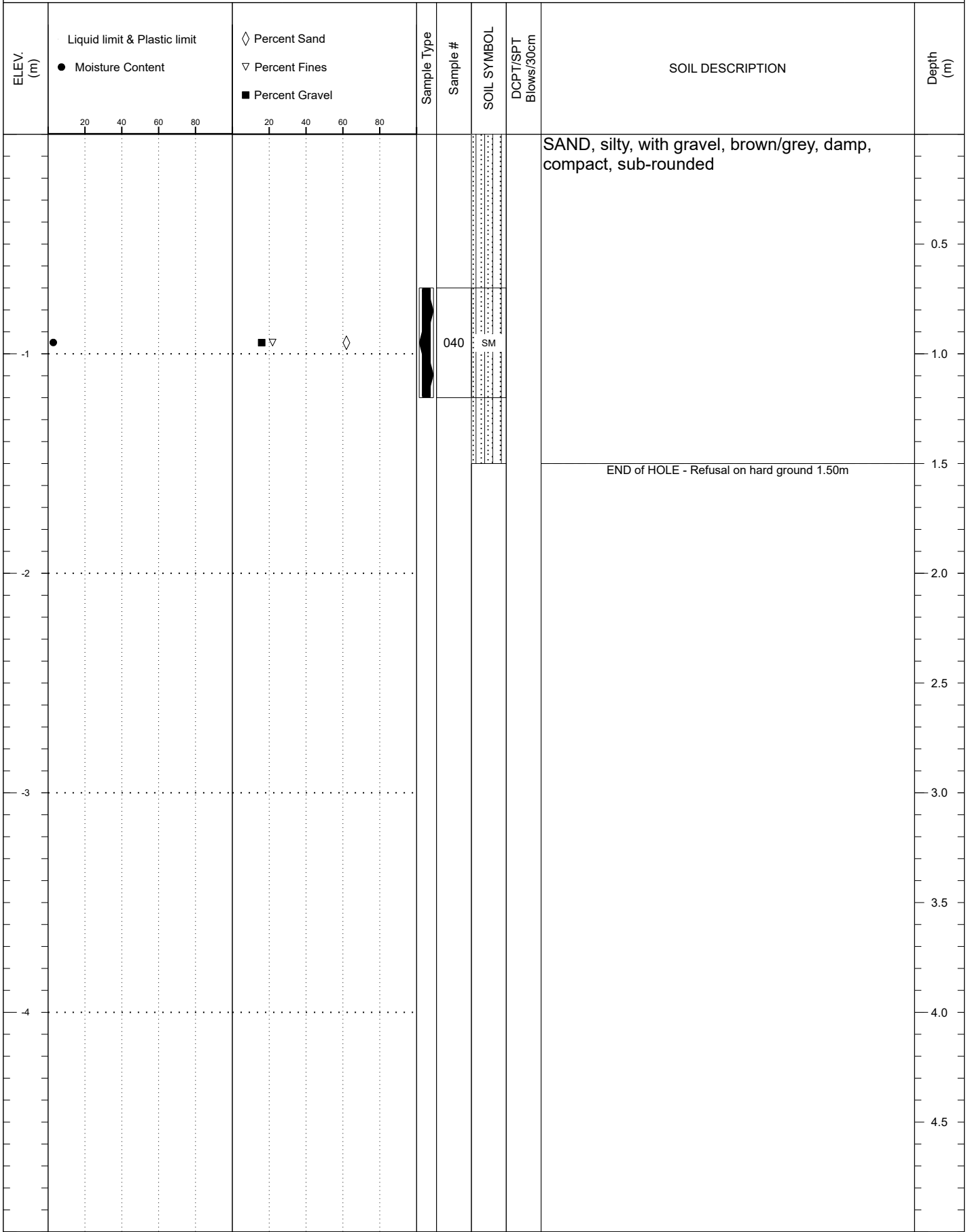
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-04B
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883003.00m E431841.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-05
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883066.00m E431706.00m	

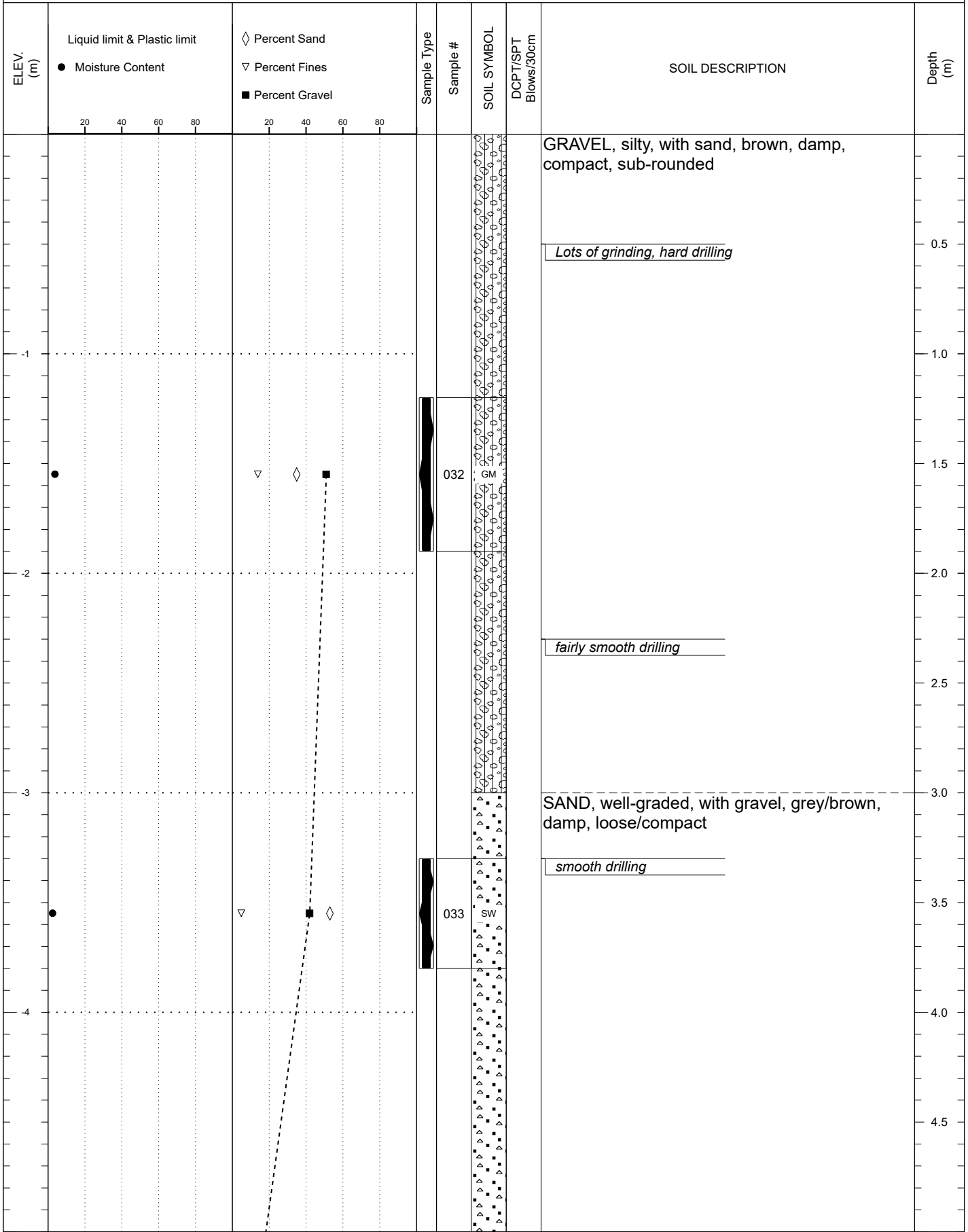
SAMPLE TYPE      UNDISTURBED       DCPT       AUGER      BULK      SPT      CORE





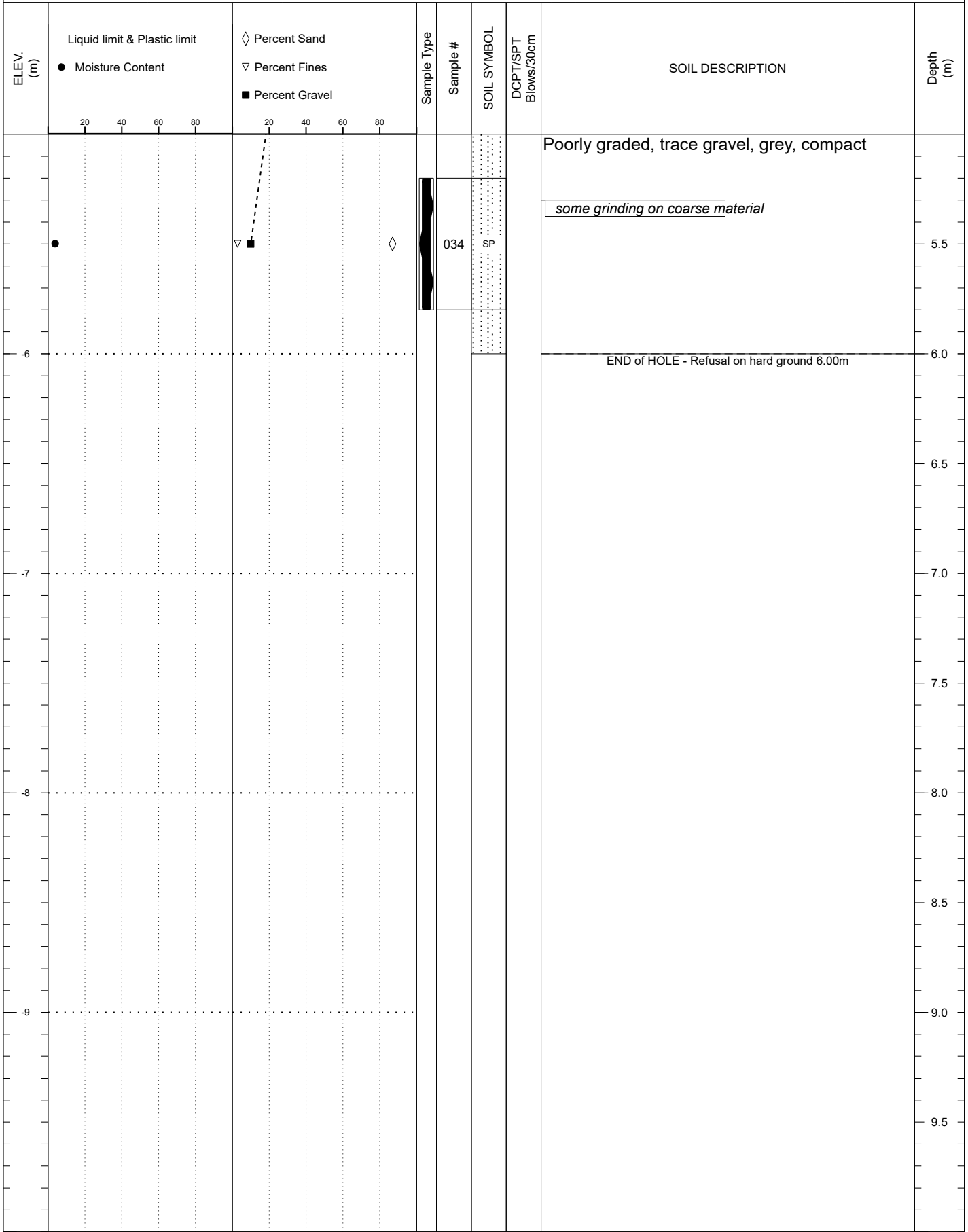
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-06
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883115.00m E431571.00m	

SAMPLE TYPE      UNDISTURBED     DCPT     AUGER      BULK      SPT      CORE



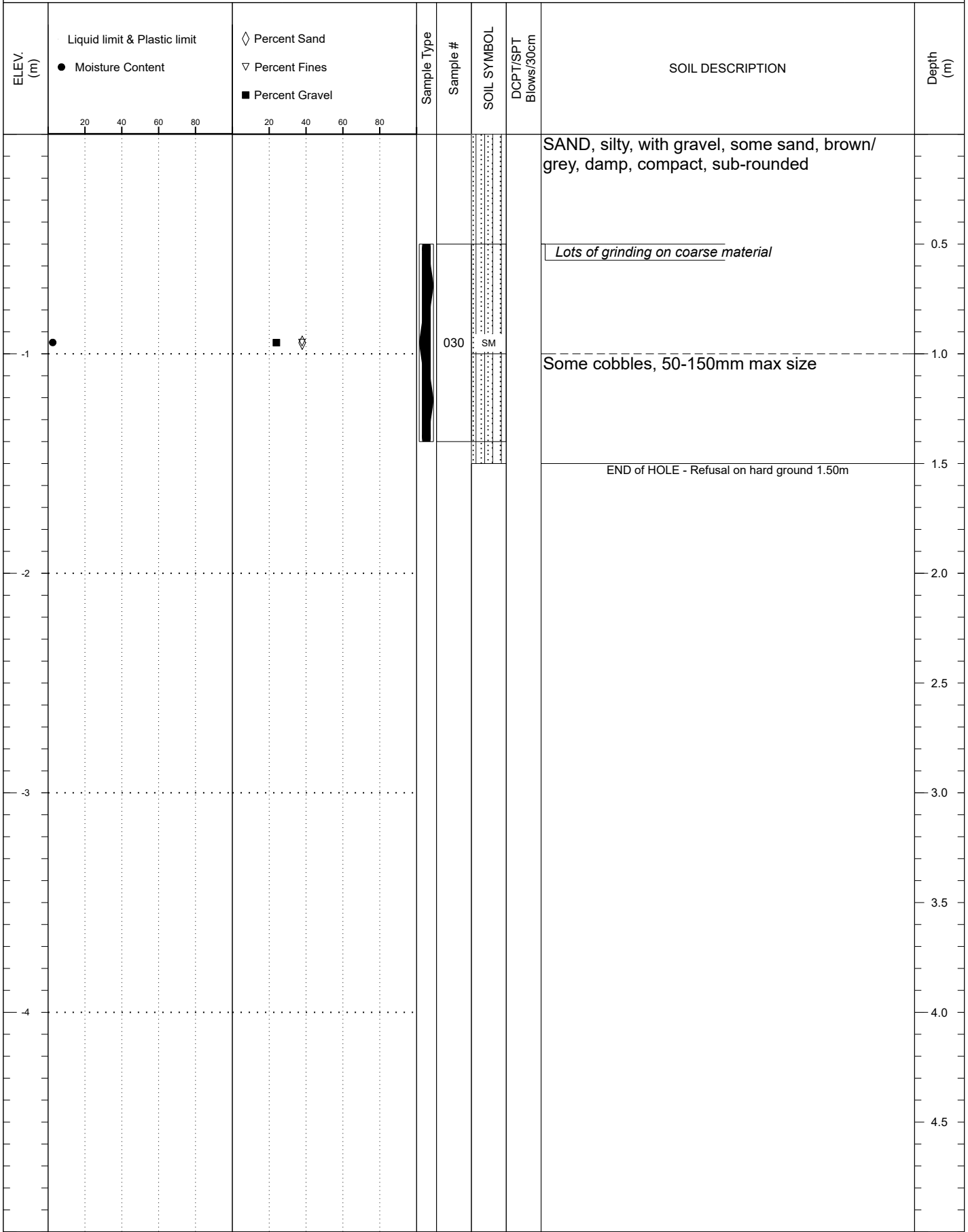
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-06
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883115.00m E431571.00m	

SAMPLE TYPE      UNDISTURBED       DCPT       AUGER      BULK      SPT      CORE



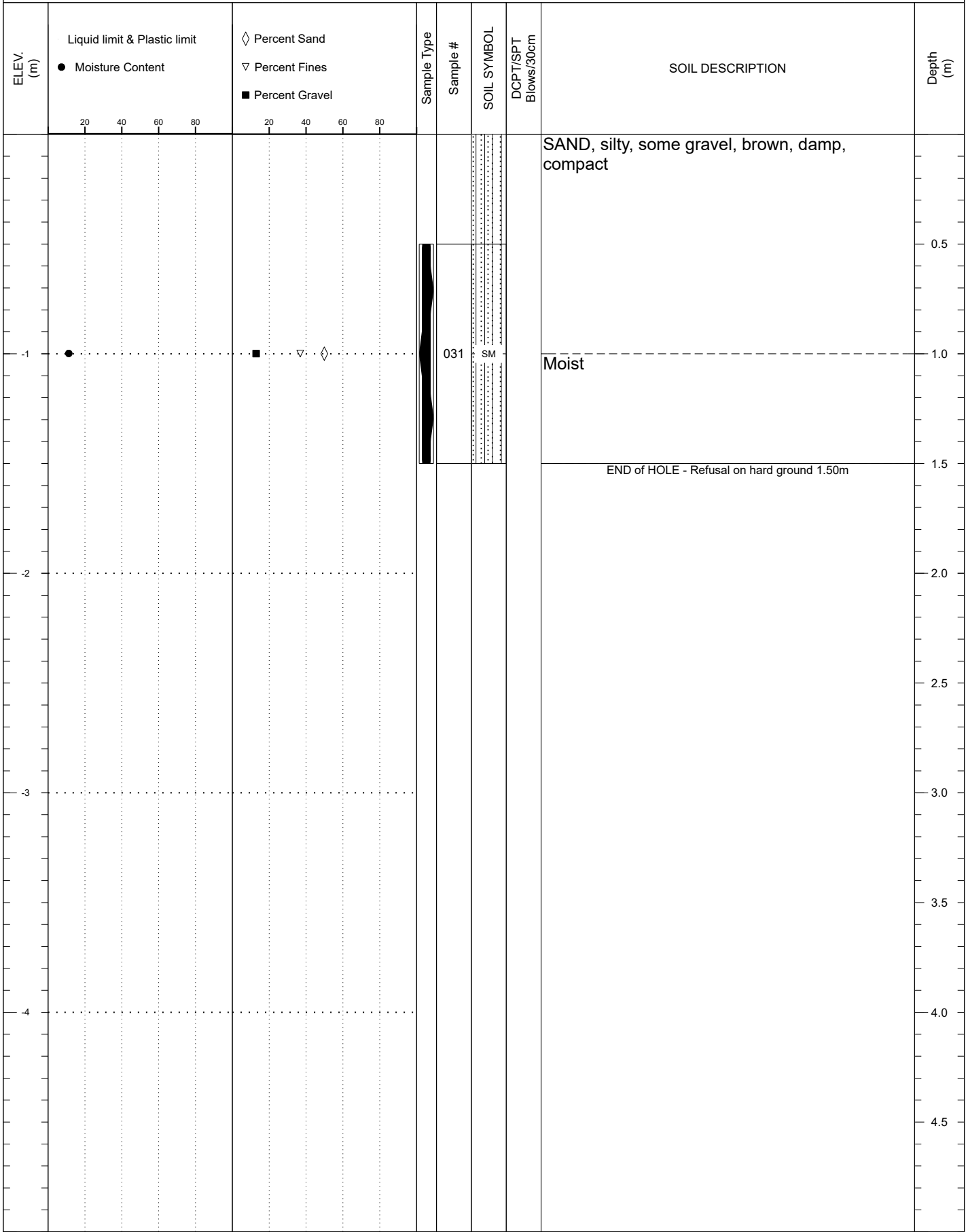
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-07
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883203.00m E431453.00m	

SAMPLE TYPE      UNDISTURBED       DCPT       AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-07B
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883173.00m E431477.00m	

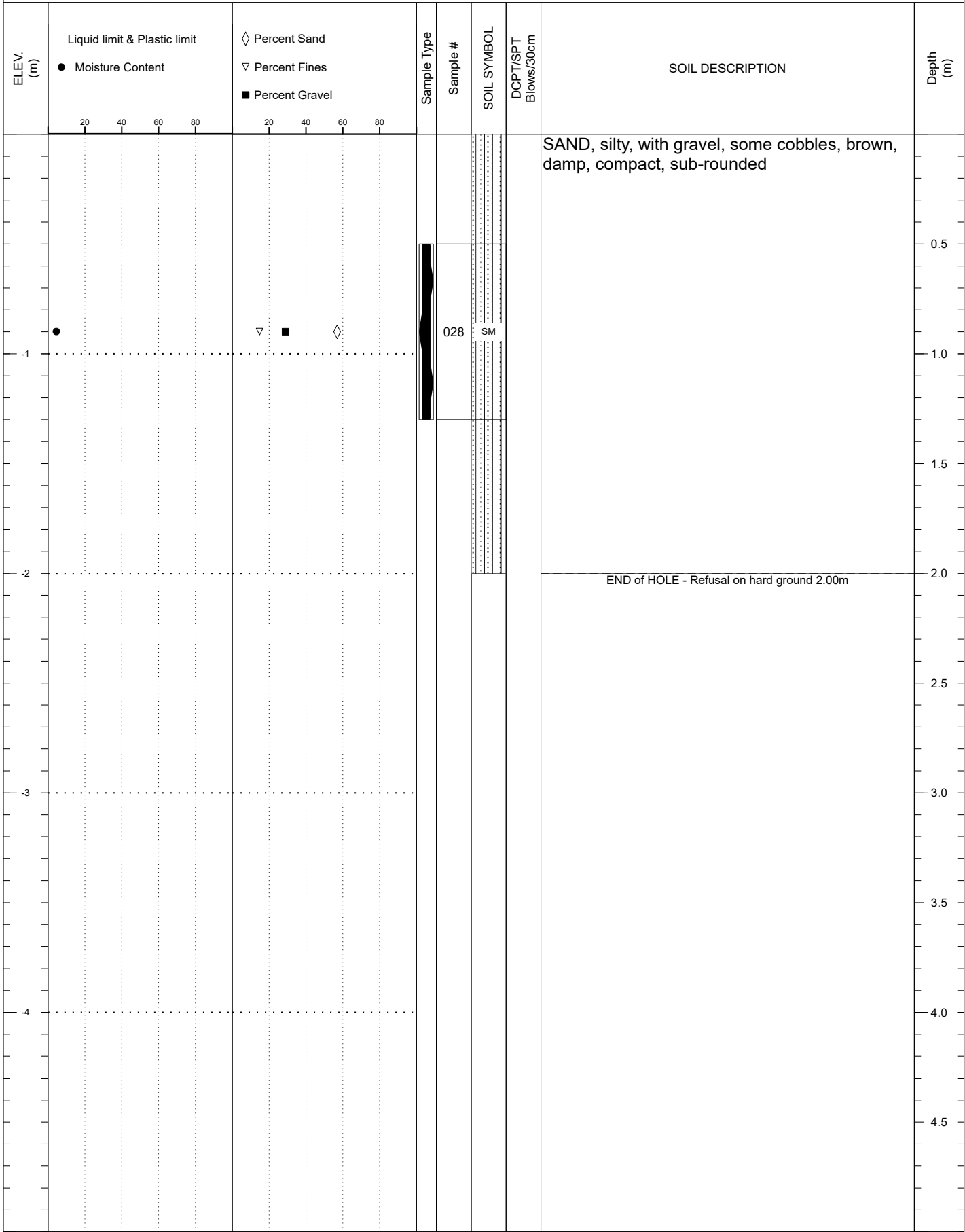
SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



	LOGGED BY: D.Lorenzi	Termination Depth: 1.50 m
	COMPILED BY: R.Stilwell	Complete: 6/18/2018 4:00:00 PM
	REVIEWED BY:	Pit #: 933-07B      Page 1 of 1

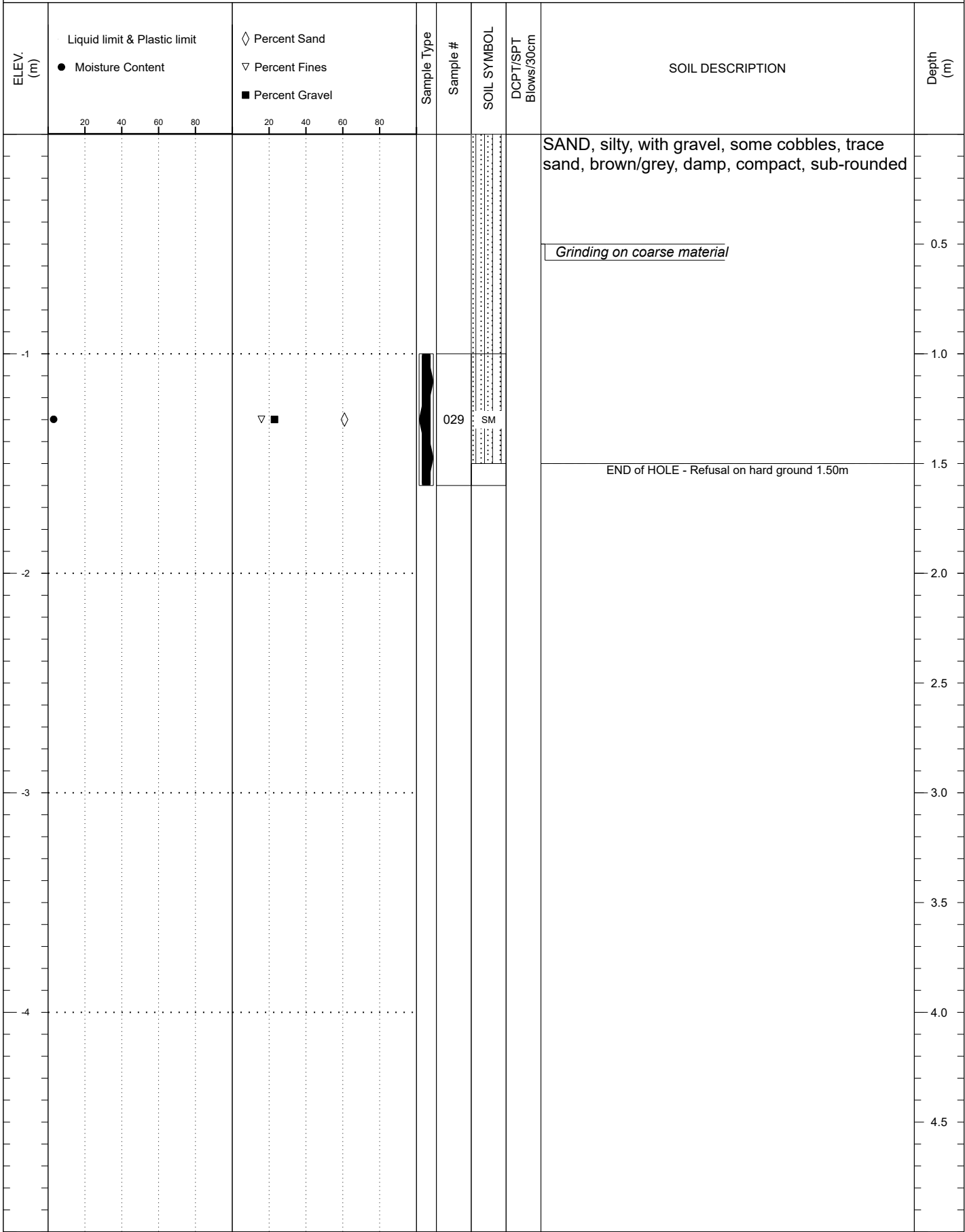
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-08
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883286.00m E431365.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



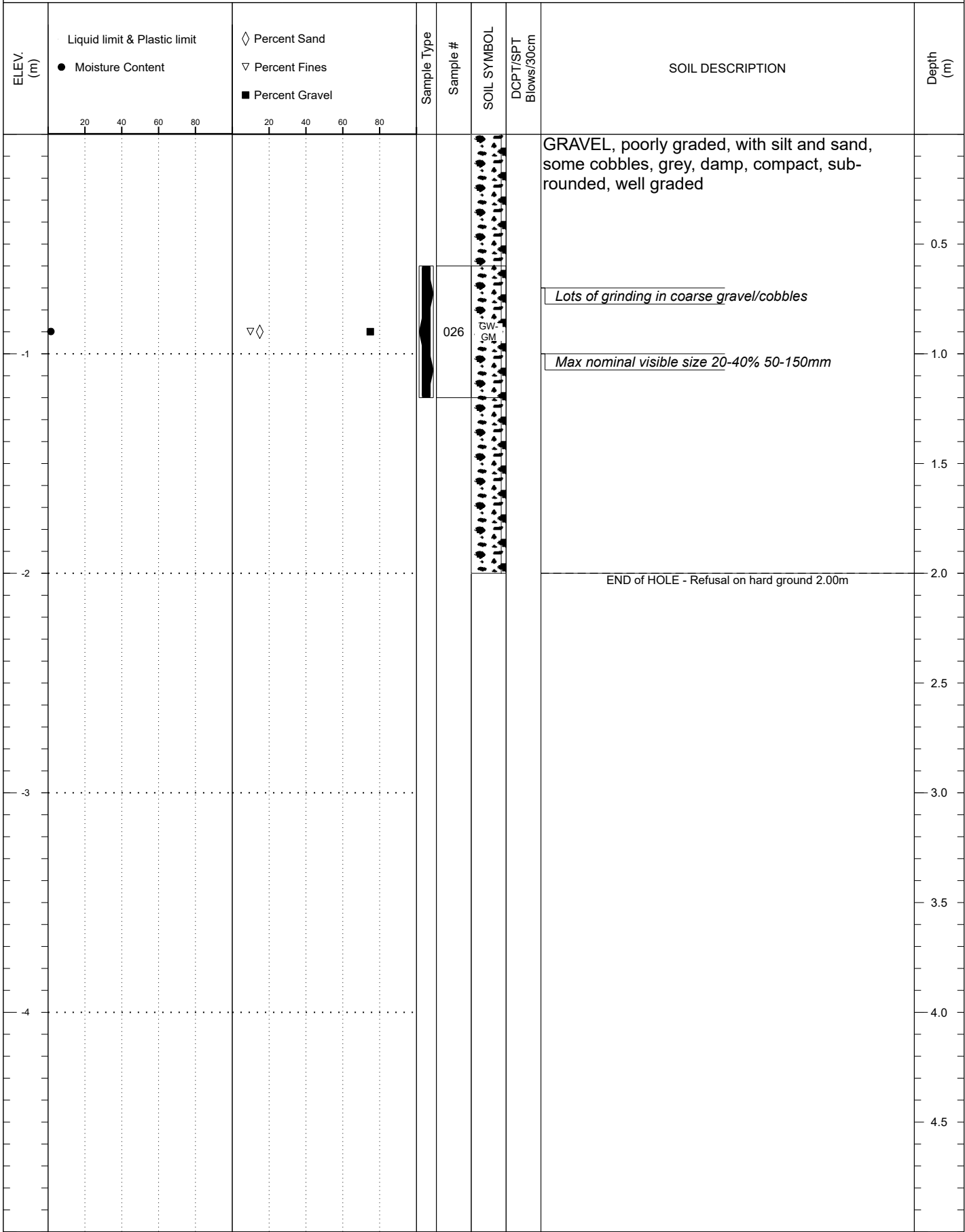
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-08B
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883284.00m E431366.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-09
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883354.00m E431270.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE

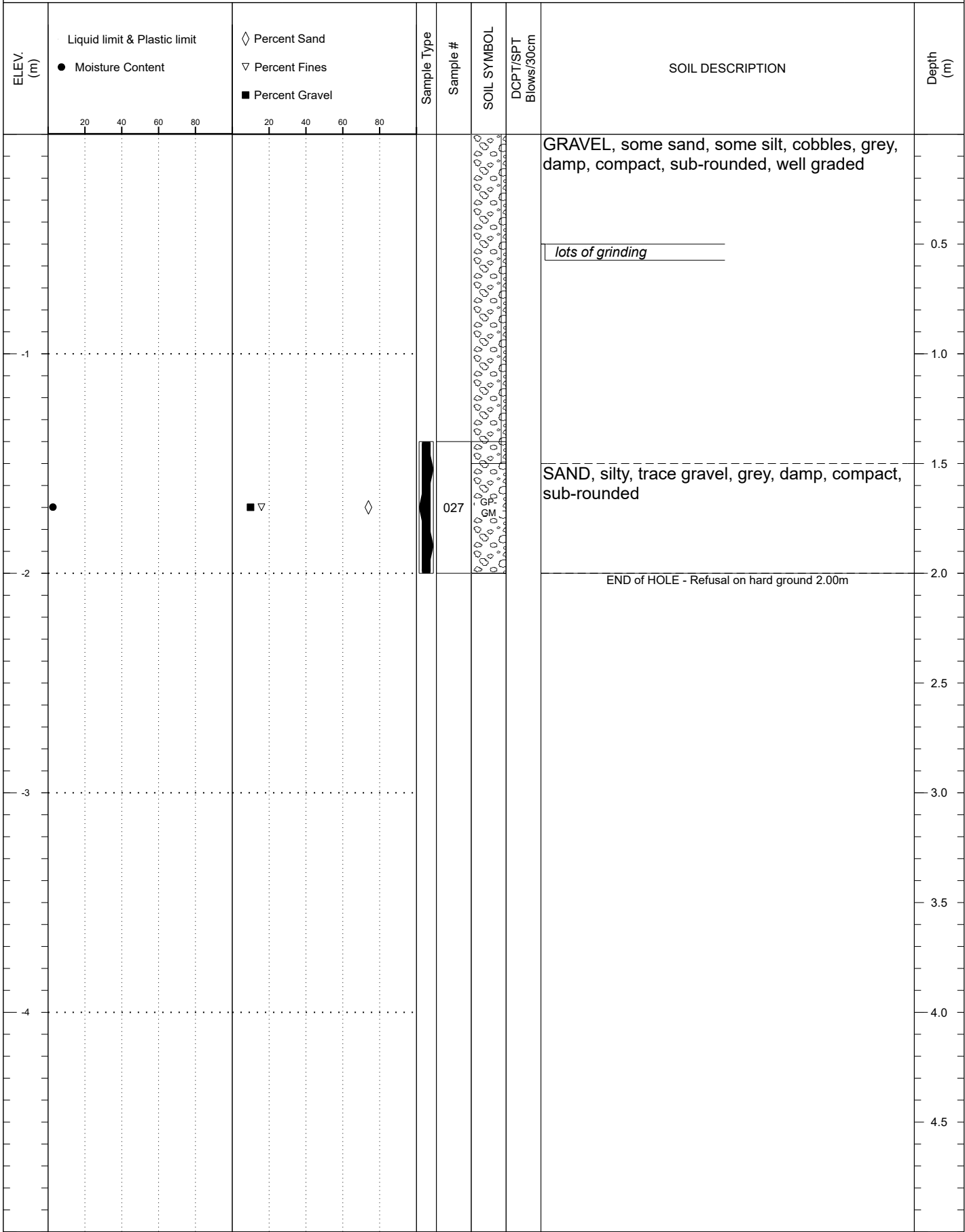






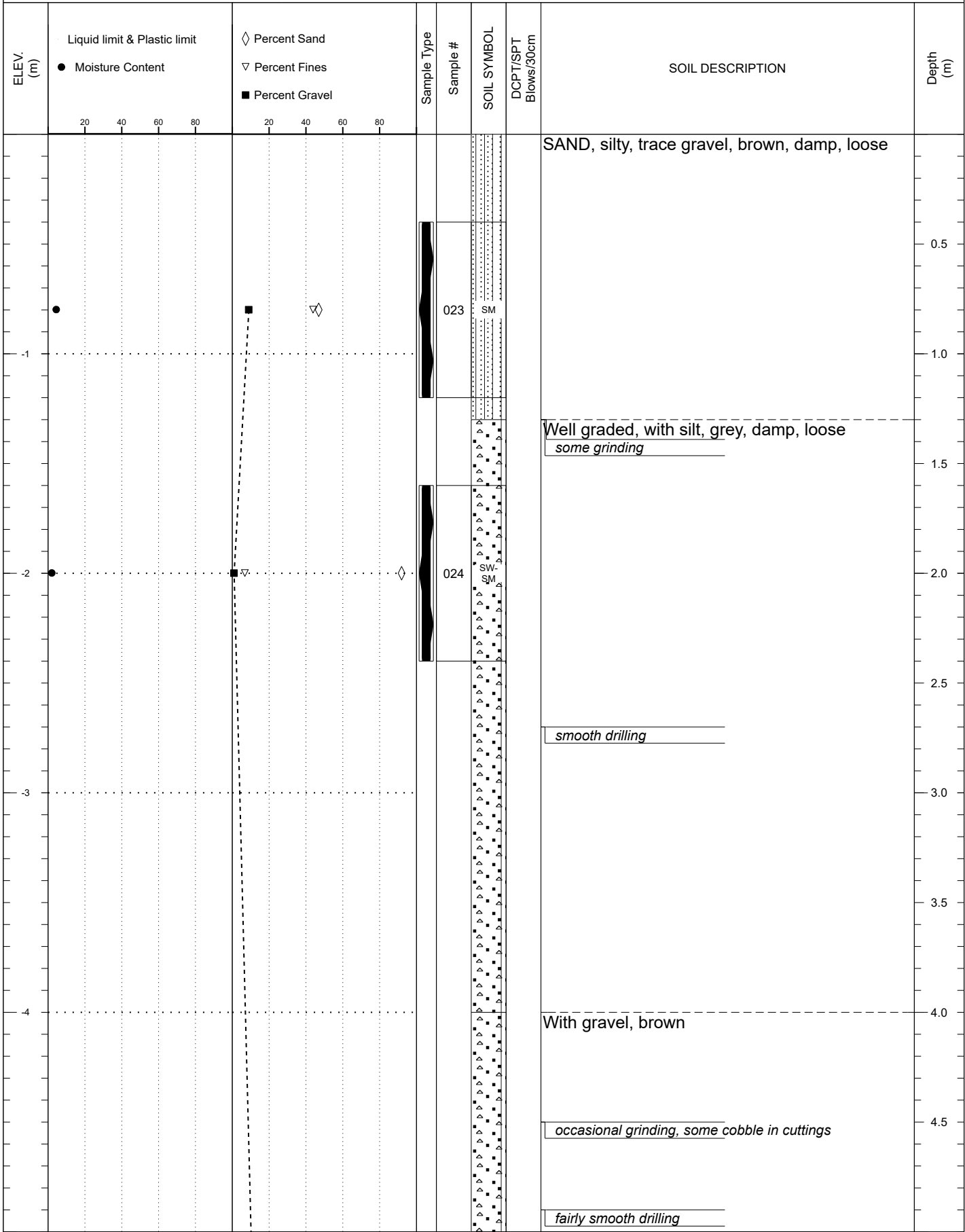
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-10B
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883321.00m E431311.00m	

SAMPLE TYPE      UNDISTURBED     DCPT     AUGER      BULK      SPT      CORE



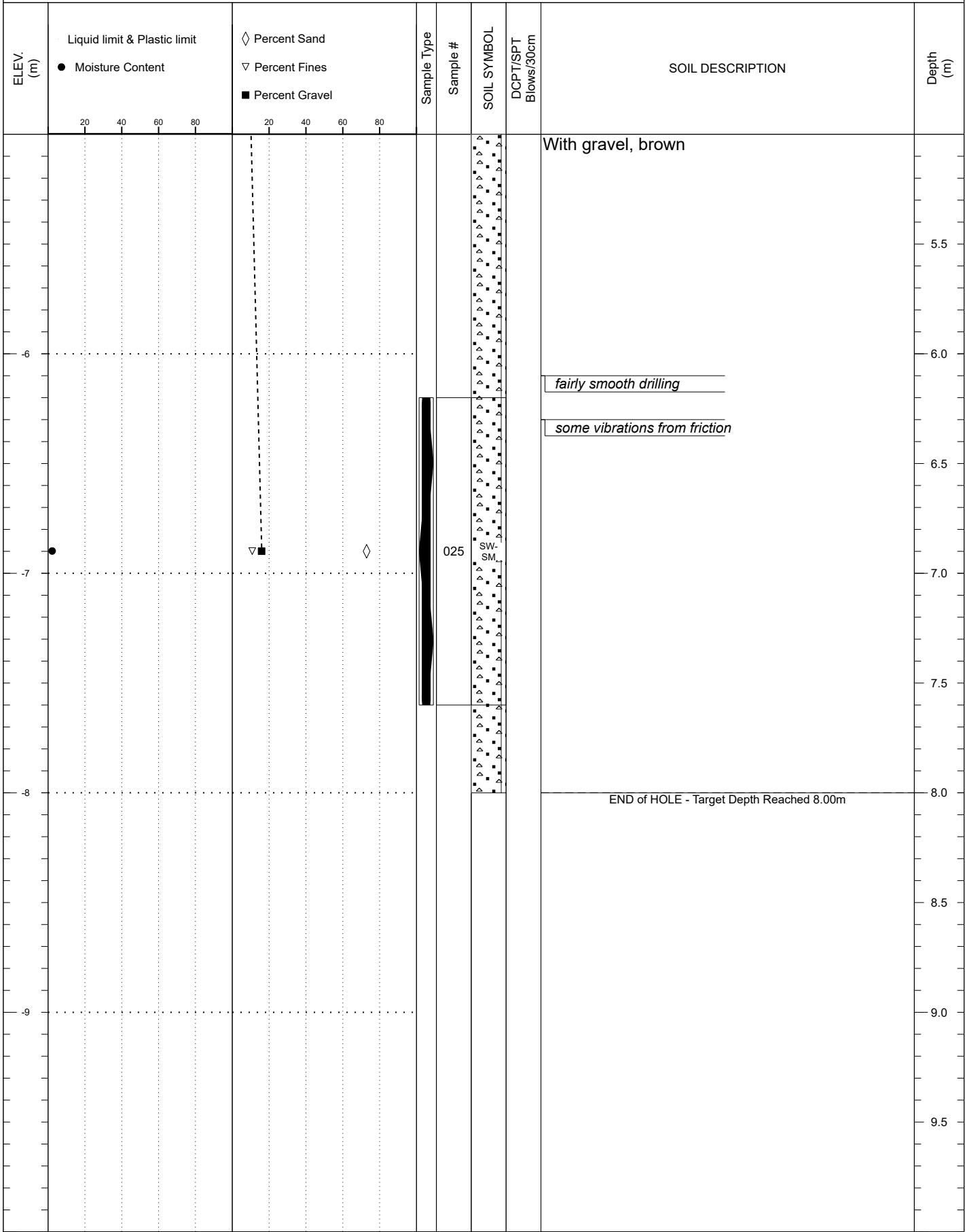
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-11
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883535.00m E431261.00m	

SAMPLE TYPE      UNDISTURBED      DCPT      AUGER      BULK      SPT      CORE



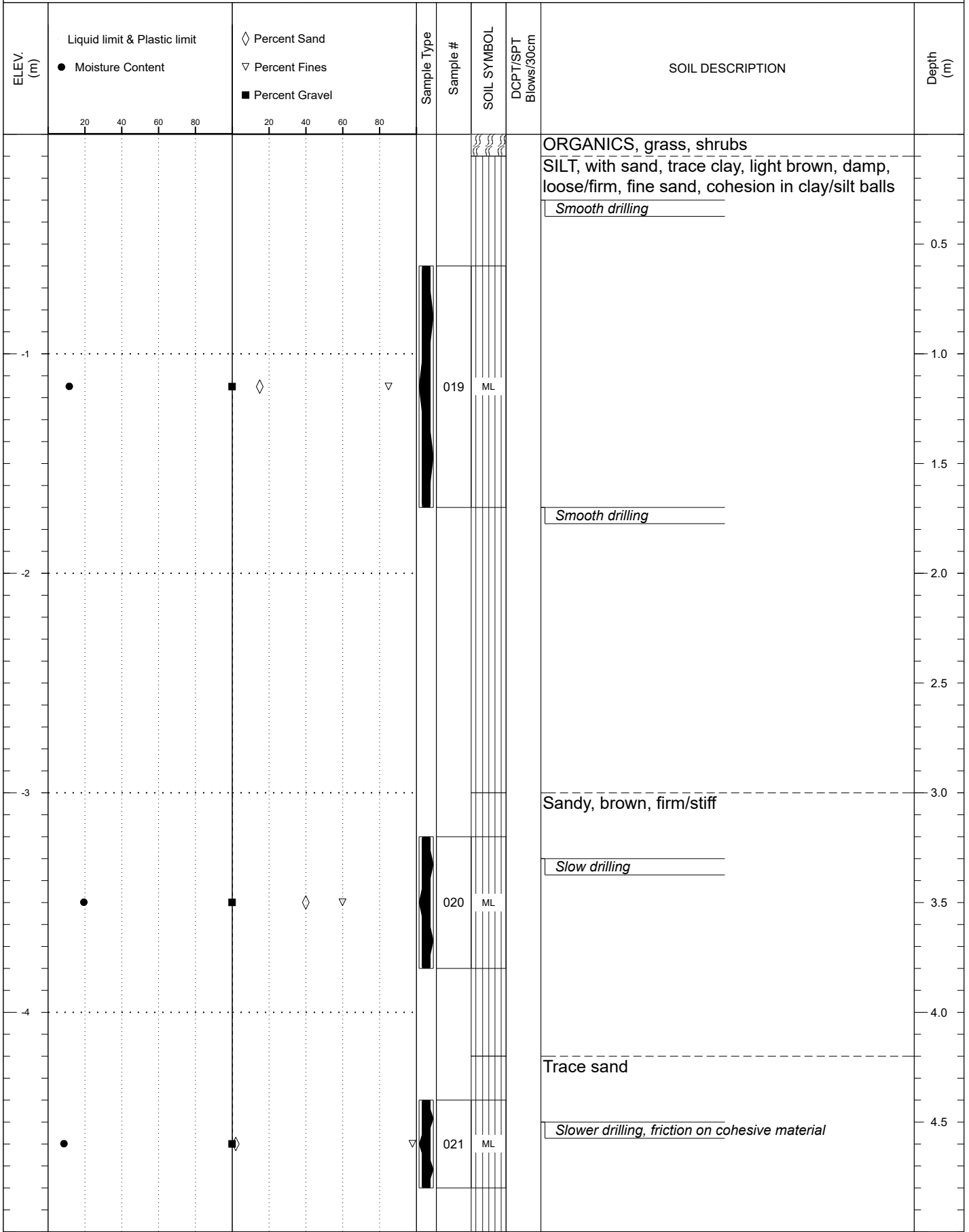
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-11
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883535.00m E431261.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



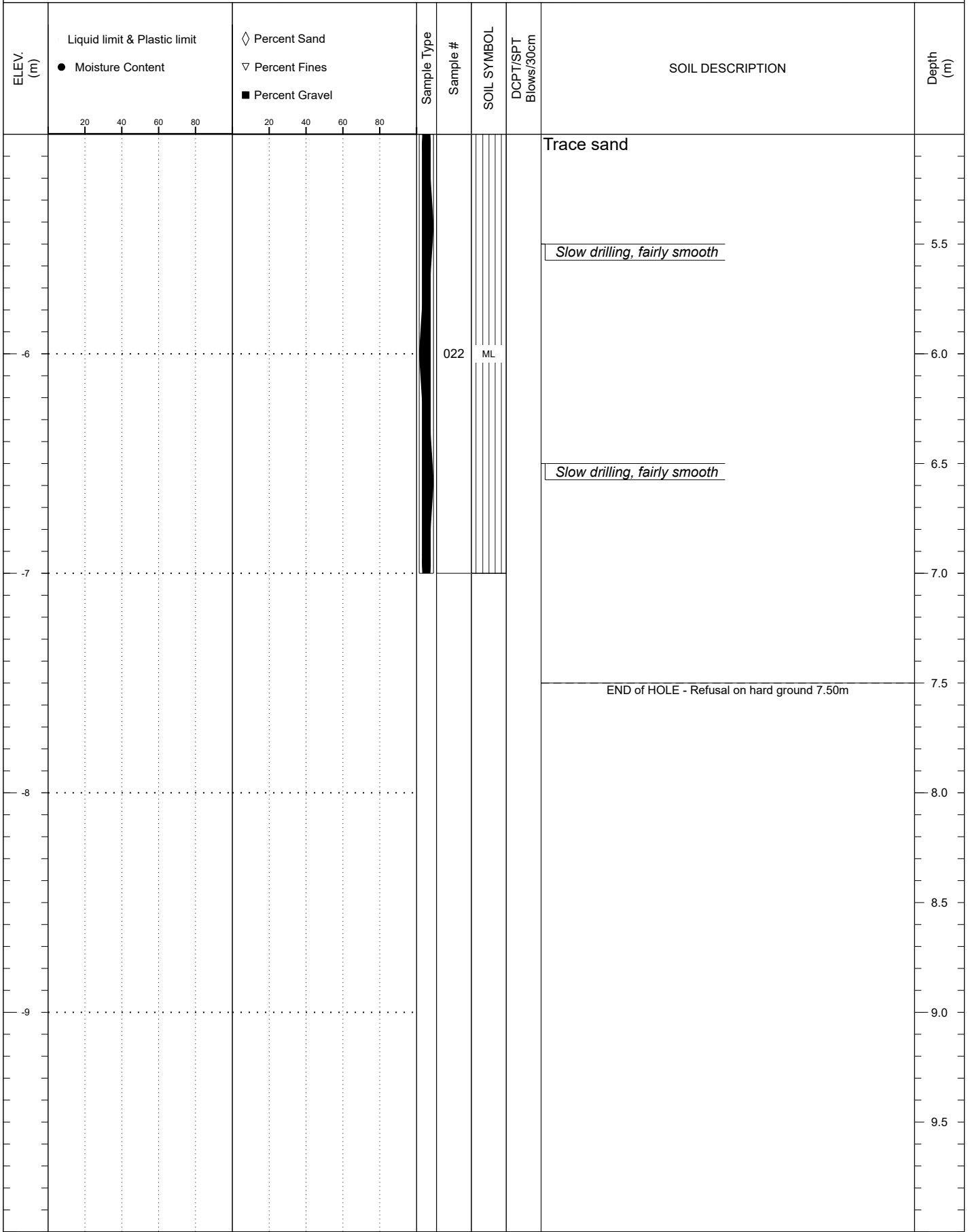
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-12
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883626.00m E431138.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-12
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883626.00m E431138.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



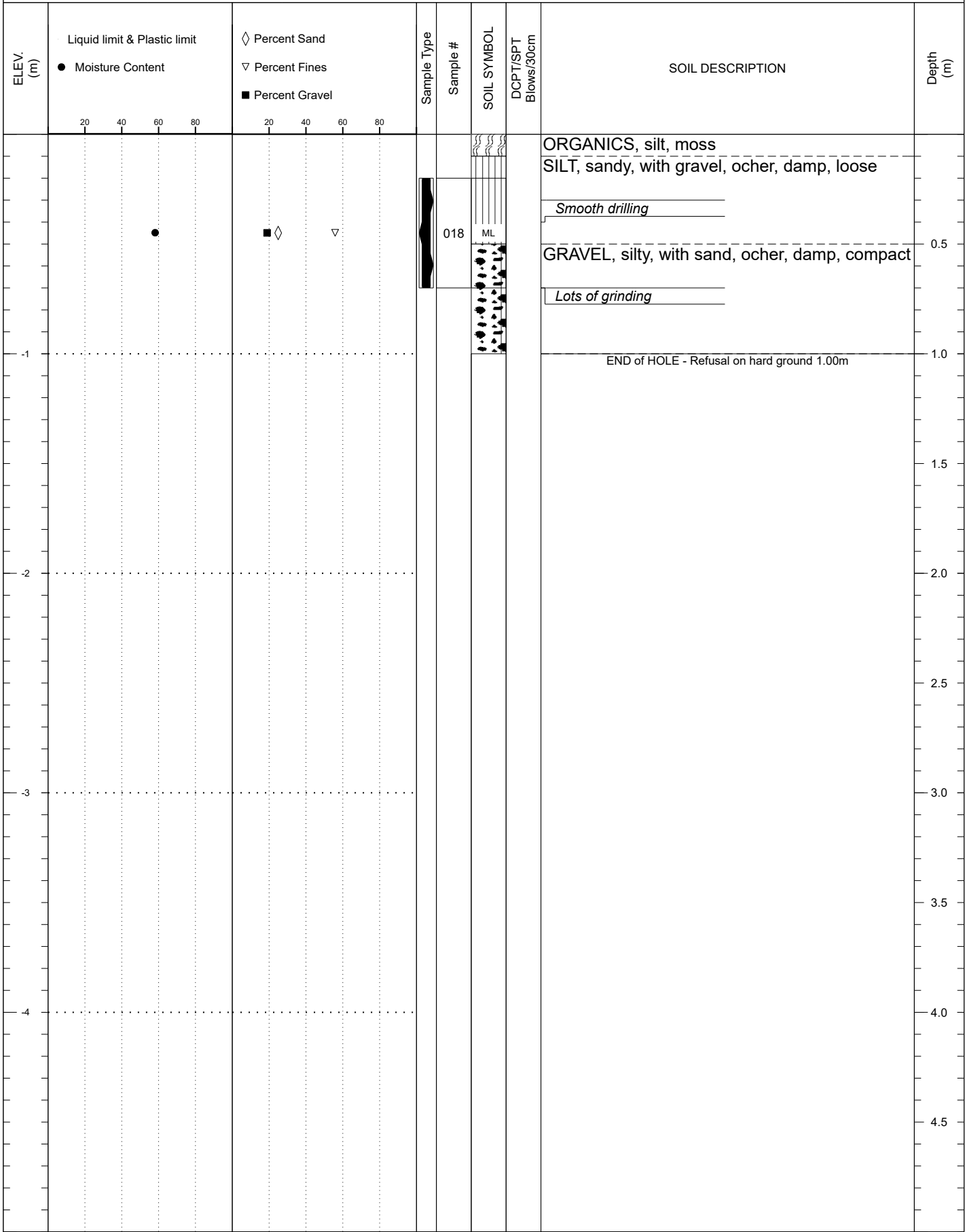
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-13
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883780.00m E431069.00m	

SAMPLE TYPE      UNDISTURBED     DCPT     AUGER      BULK      SPT      CORE

ELEV. (m)	Liquid limit & Plastic limit ● Moisture Content	◇ Percent Sand ▽ Percent Fines ■ Percent Gravel	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
							ORGANICS, shrubs, grass, silt SILT, black, moist, loose	
							END of HOLE - Refusal on permafrost 0.50m	0.5
-1								1.0
-2								2.0
-3								3.0
-4								4.0
								4.5

SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-14
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6883965.00m E431068.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE

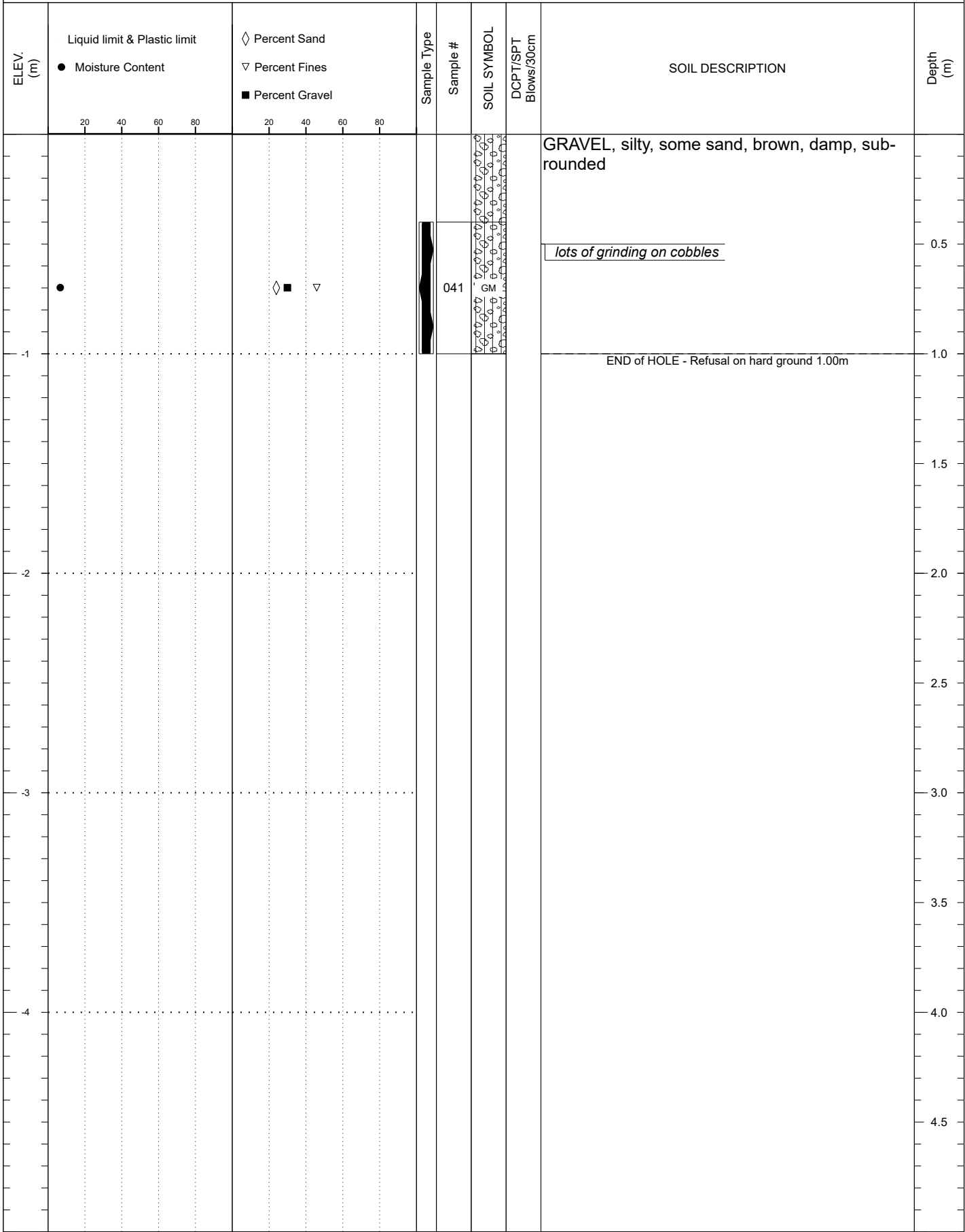


SUBSURFACE EXPLORATION AND TEST REPORT		Goldfield Expansion		SOURCE/TP#: 933-15				
CLIENT: Transportation Engineering		Freegold Road # 309		PROJECT NO: 552-202309				
EQUIPMENT: Small Drill		Coordinates: N6884051.00m E431046.00m						
SAMPLE TYPE		UNDISTURBED <input type="checkbox"/> DCPT		<input checked="" type="checkbox"/> AUGER				
				BULK				
				SPT				
				CORE				
ELEV. (m)	Liquid limit & Plastic limit ● Moisture Content	◇ Percent Sand ▽ Percent Fines ■ Percent Gravel	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	20 40 60 80	20 40 60 80						
							GRAVEL, silty, some sand, brown, damp, compact, sub-rounded	0.5
							<i>lots of grinding</i>	1.0
-1								1.5
							END of HOLE - Refusal on hard ground 1.50m	2.0
-2								2.5
								3.0
-3								3.5
								4.0
-4								4.5



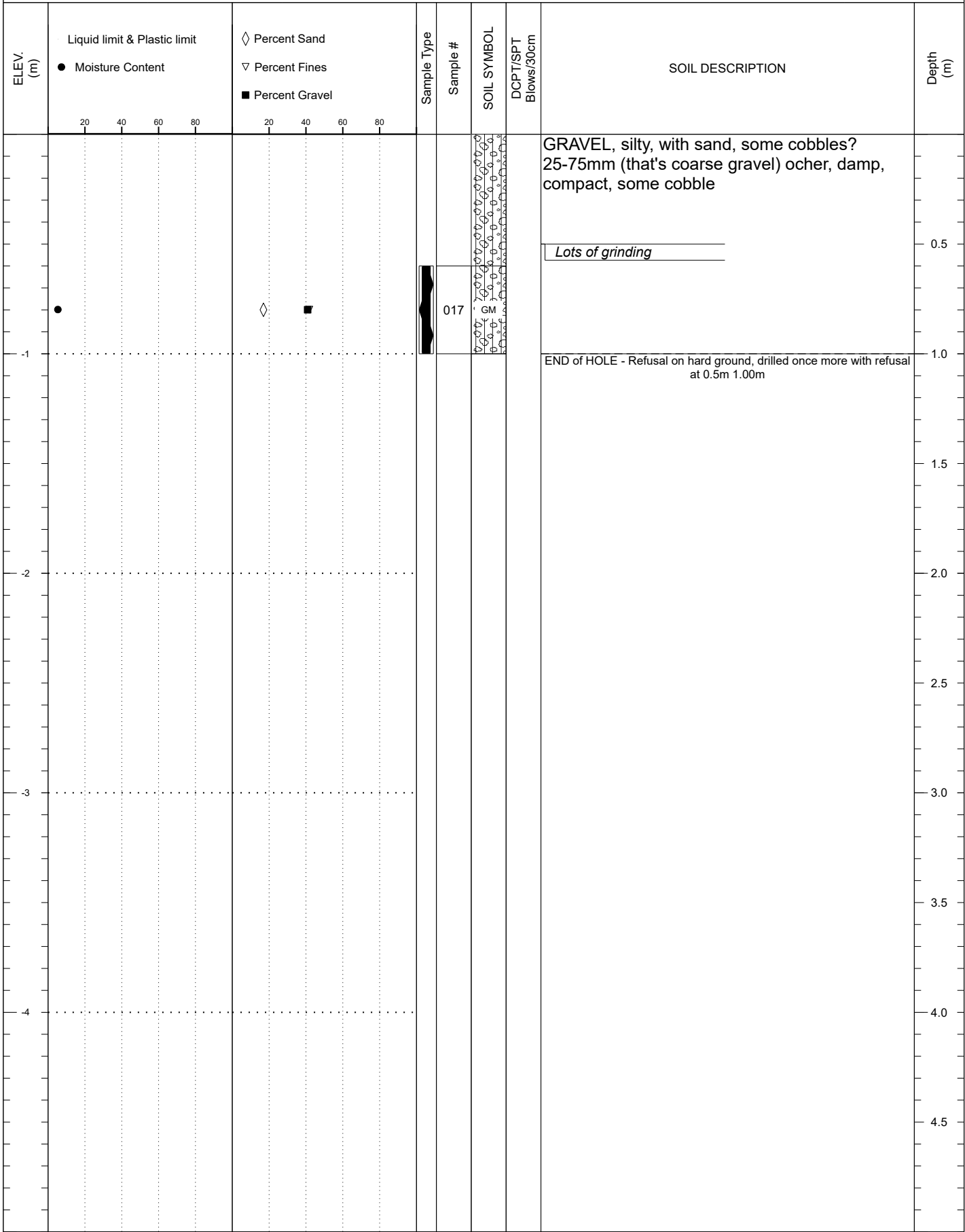
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-16
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6884122.00m E431021.00m	

SAMPLE TYPE      UNDISTURBED       DCPT       AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-17
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6884235.00m E431016.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



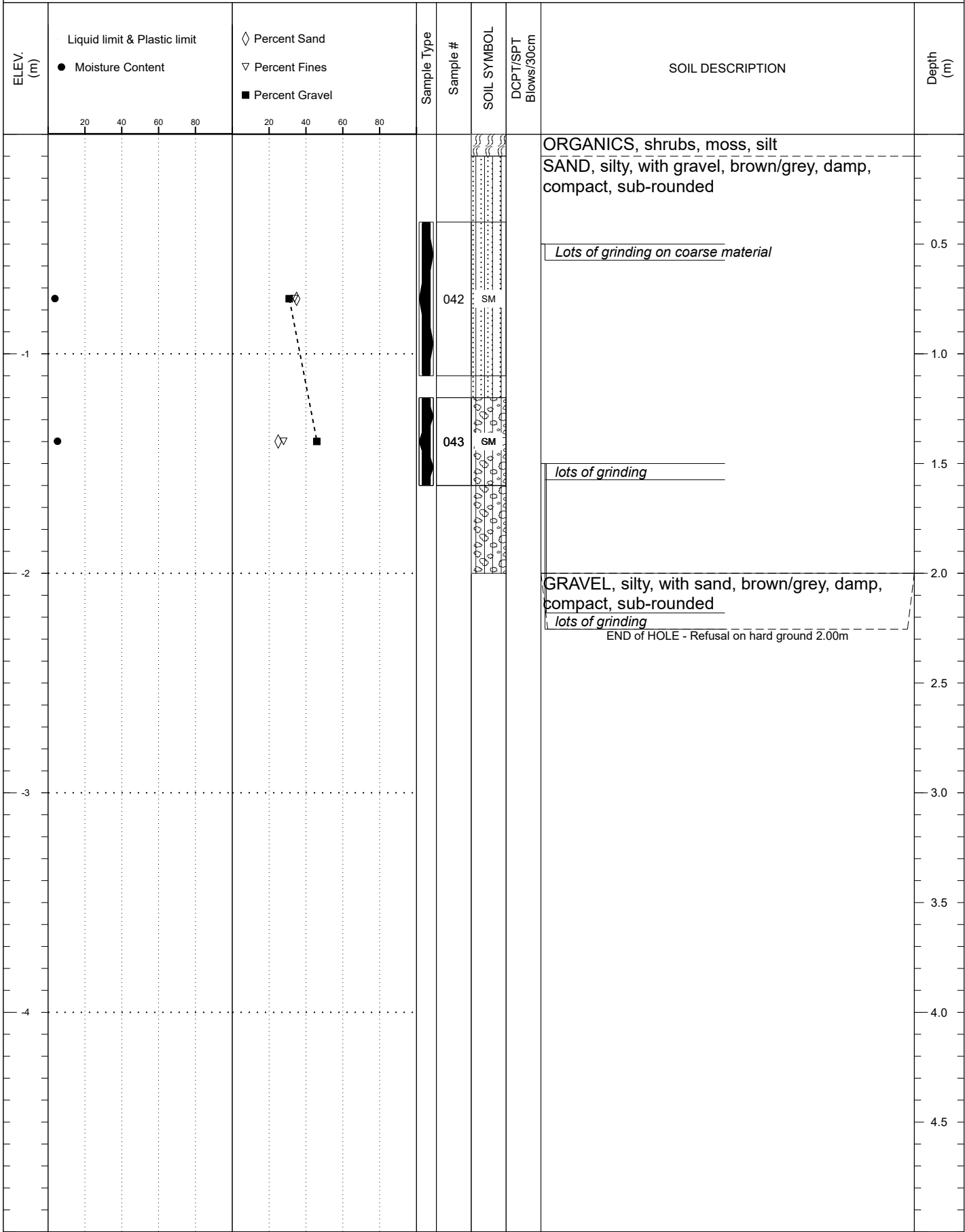


SUBSURFACE EXPLORATION AND TEST REPORT		Goldfield Expansion		SOURCE/TP#: 933-19				
CLIENT: Transportation Engineering		Freegold Road # 309		PROJECT NO: 552-202309				
EQUIPMENT: Small Drill		Coordinates: N6884461.00m E430952.00m						
SAMPLE TYPE		UNDISTURBED <input type="checkbox"/> DCPT		<input checked="" type="checkbox"/> AUGER				
				BULK				
				SPT				
				CORE				
ELEV. (m)	Liquid limit & Plastic limit ● Moisture Content	◇ Percent Sand ▽ Percent Fines ■ Percent Gravel	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	20 40 60 80	20 40 60 80					<p>ORGANICS, grass, shrubs</p> <p>GRAVEL, some sand, some silt, brown, compact</p> <p><i>Lots of grinding on granular material</i></p> <p>END of HOLE - Refusal on hard ground, 2 more attempts to 0.5m 0.70m</p>	0.5
-1								1.0
-2								2.0
-3								3.0
-4								4.0
								4.5



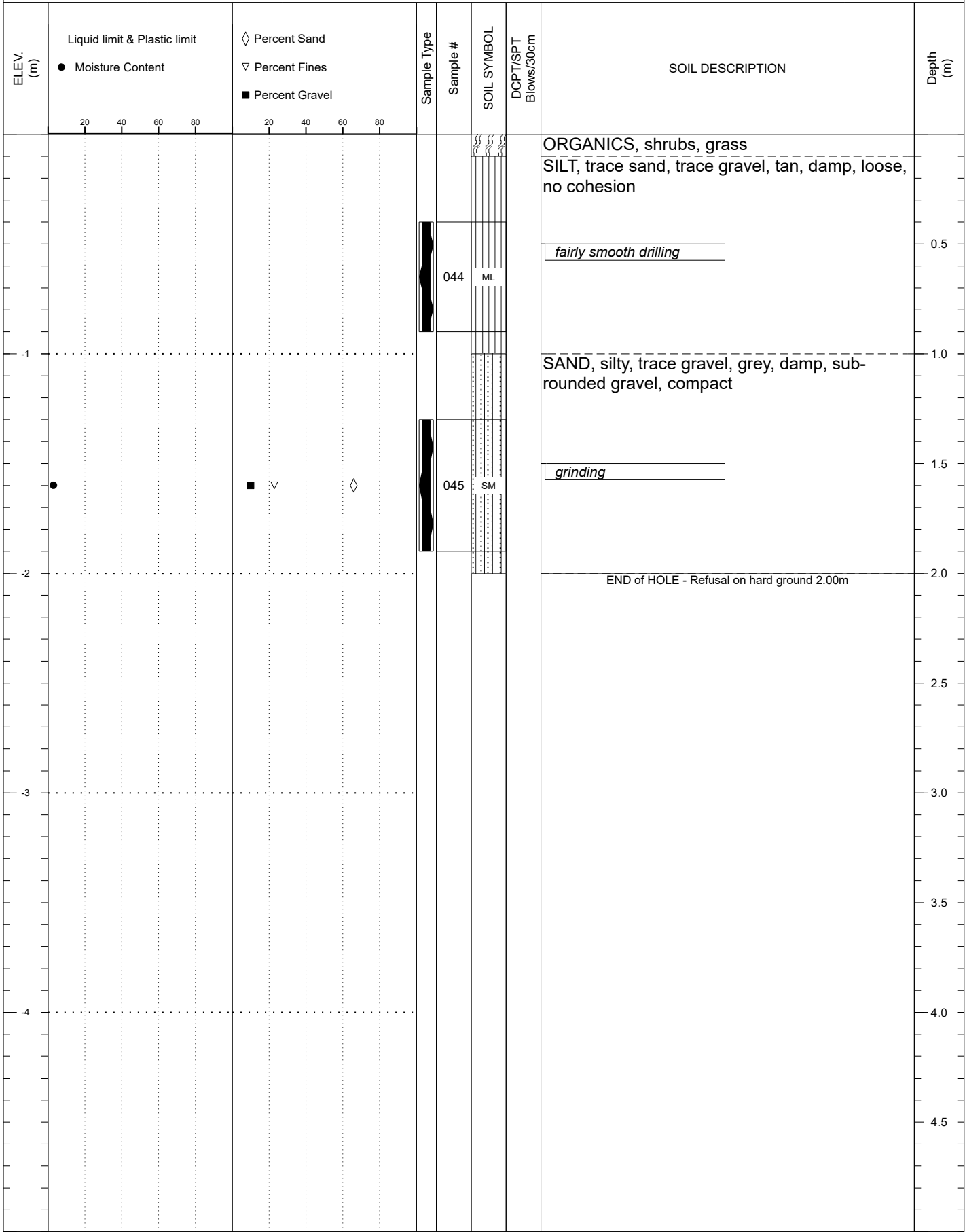
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-20
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6884503.00m E431021.00m	

SAMPLE TYPE      UNDISTURBED      DCPT      AUGER      BULK      SPT      CORE



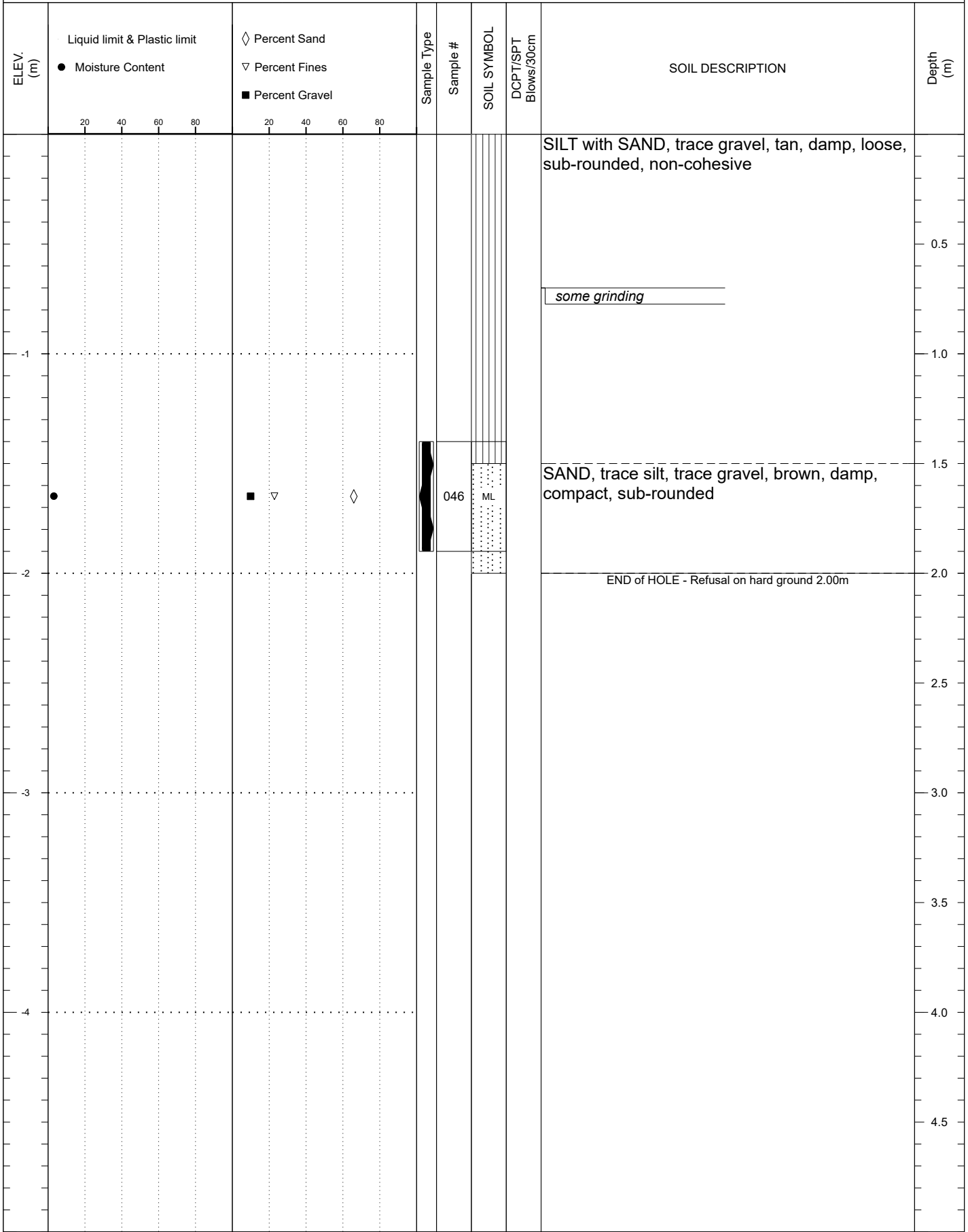
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-21
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6884595.00m E430981.00m	

SAMPLE TYPE      UNDISTURBED       DCPT       AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-21B
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6884597.00m E430982.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE

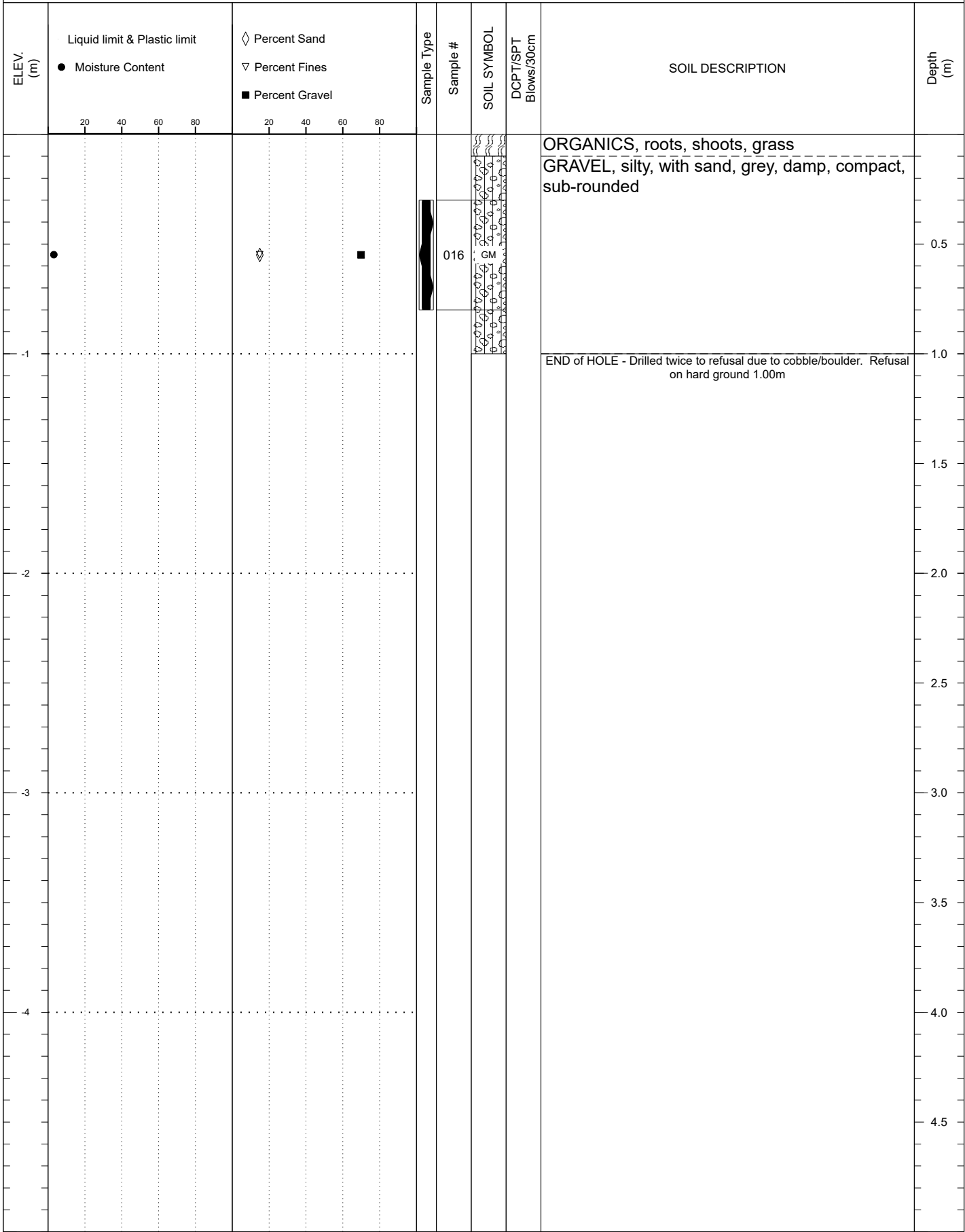


SUBSURFACE EXPLORATION AND TEST REPORT		Goldfield Expansion		SOURCE/TP#: 933-22				
CLIENT: Transportation Engineering		Freegold Road # 309		PROJECT NO: 552-202309				
EQUIPMENT: Small Drill		Coordinates: N6884682.00m E430950.00m						
SAMPLE TYPE		UNDISTURBED <input type="checkbox"/> DCPT		<input checked="" type="checkbox"/> AUGER				
				BULK				
				SPT				
				CORE				
ELEV. (m)	Liquid limit & Plastic limit ● Moisture Content	◇ Percent Sand ▽ Percent Fines ■ Percent Gravel	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	20 40 60 80	20 40 60 80					ORGANICS, leaves, grass SILT, some gravel, some sand, brown, dry, loose, non-cohesive	0.5
							SAND, some gravel, some silt, trace cobbles, grey, sub-rounded <u>Lots of grinding</u>	1.0
-1							<u>probable cobbles/boulders</u>	1.5
							END of HOLE - Refusal on hard ground 2.00m	2.0
-2								2.5
								3.0
-3								3.5
								4.0
-4								4.5



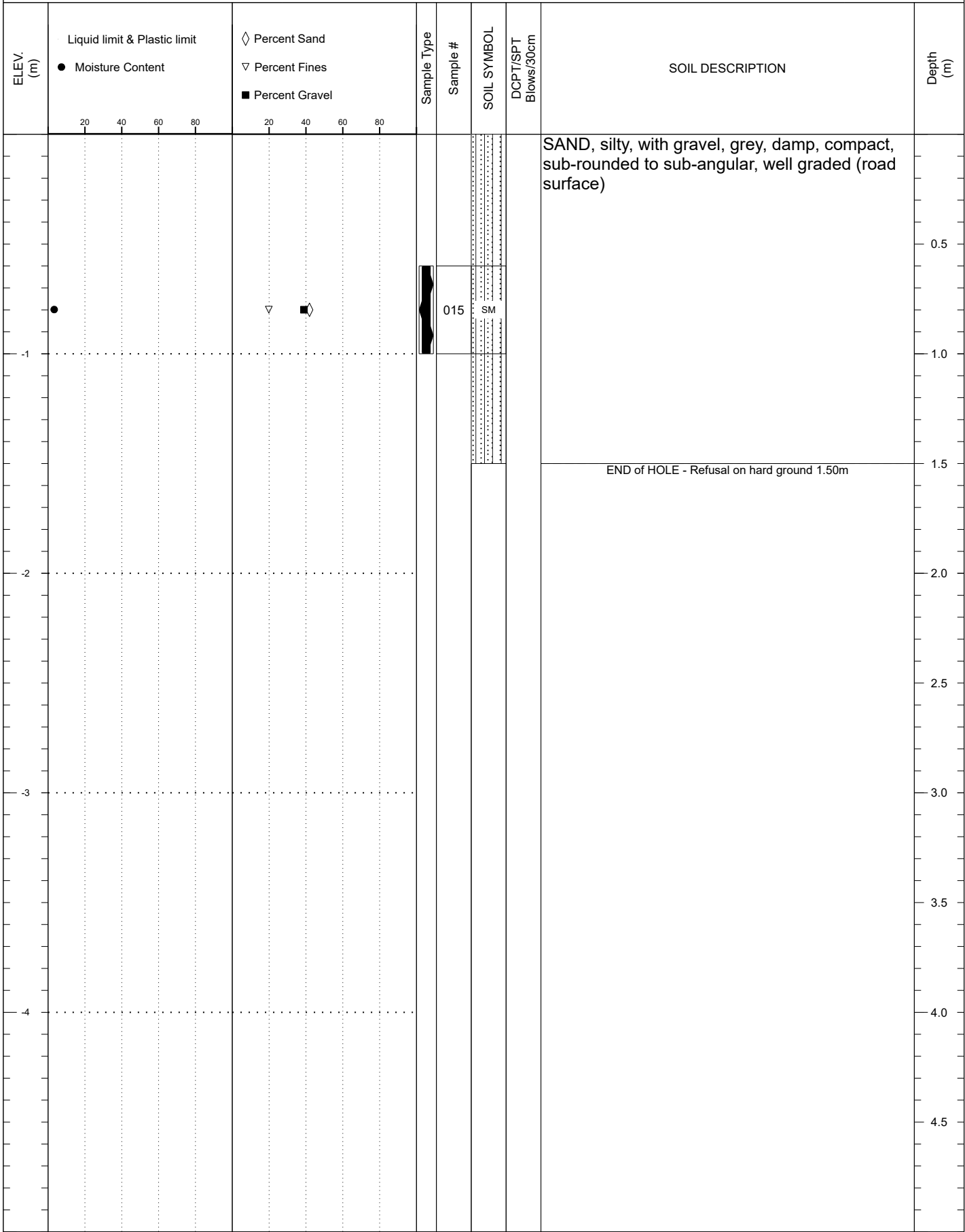
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-26
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6884645.00m E430909.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



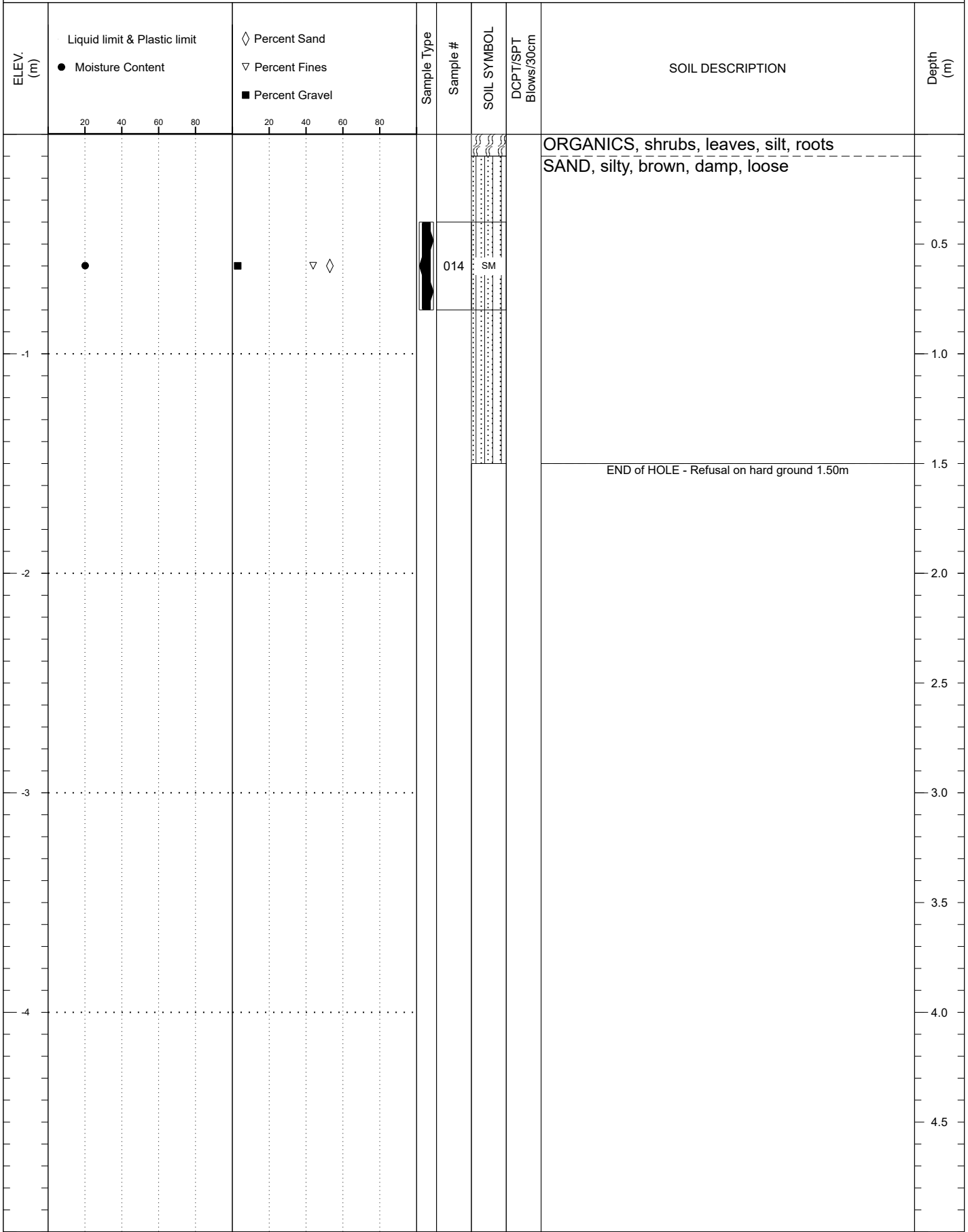
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-29
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6884740.00m E430882.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-30
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6884933.00m E430809.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE





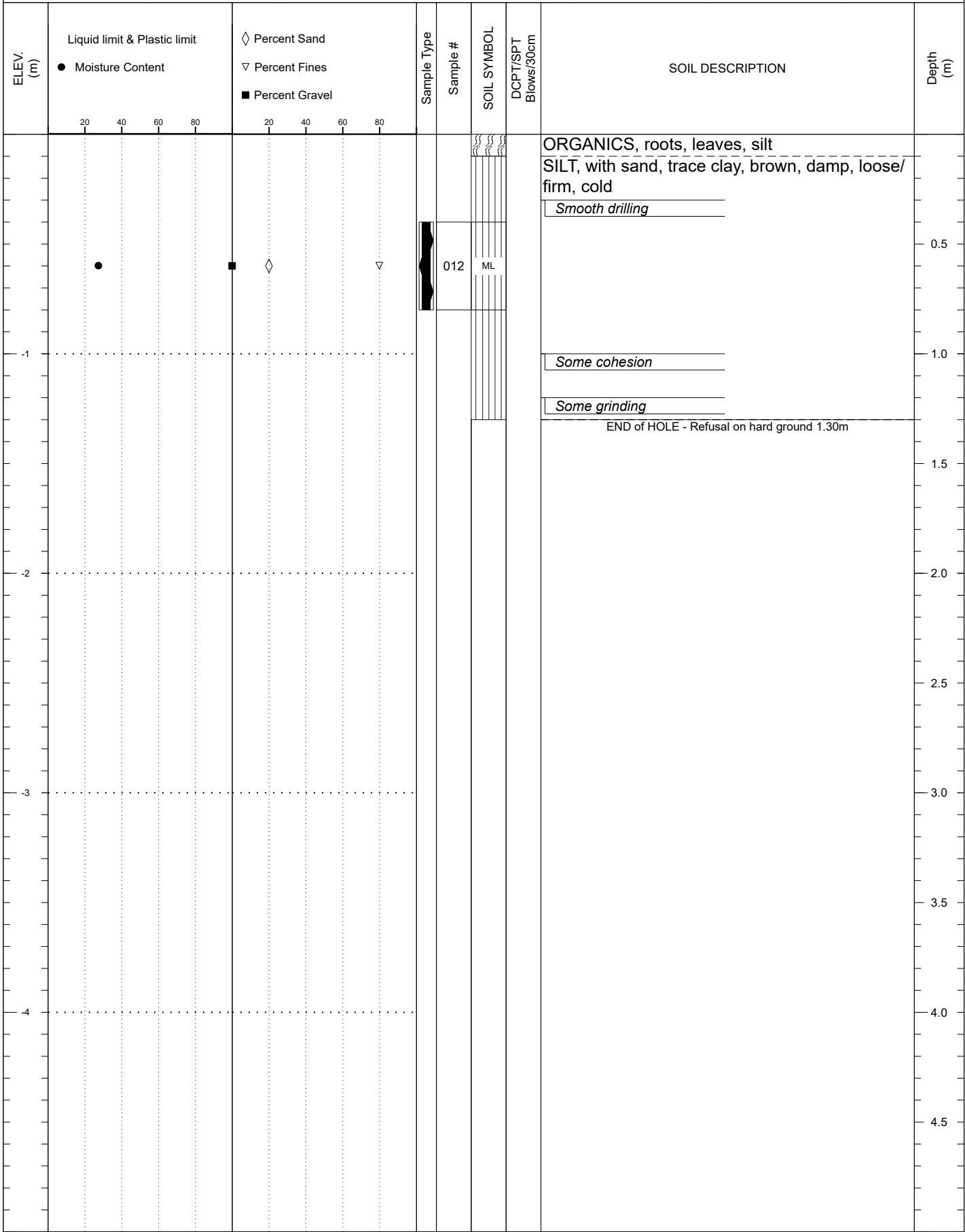
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-30C
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6884931.00m E430809.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE

ELEV. (m)	Liquid limit & Plastic limit ● Moisture Content	◇ Percent Sand ▽ Percent Fines ■ Percent Gravel	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
							ORGANICS, grass, roots, shrubs SILT, some sand, trace gravel	0.5
-1								1.0
							END of HOLE - Refusal on hard ground 1.50m	1.5
-2								2.0
								2.5
-3								3.0
								3.5
-4								4.0
								4.5

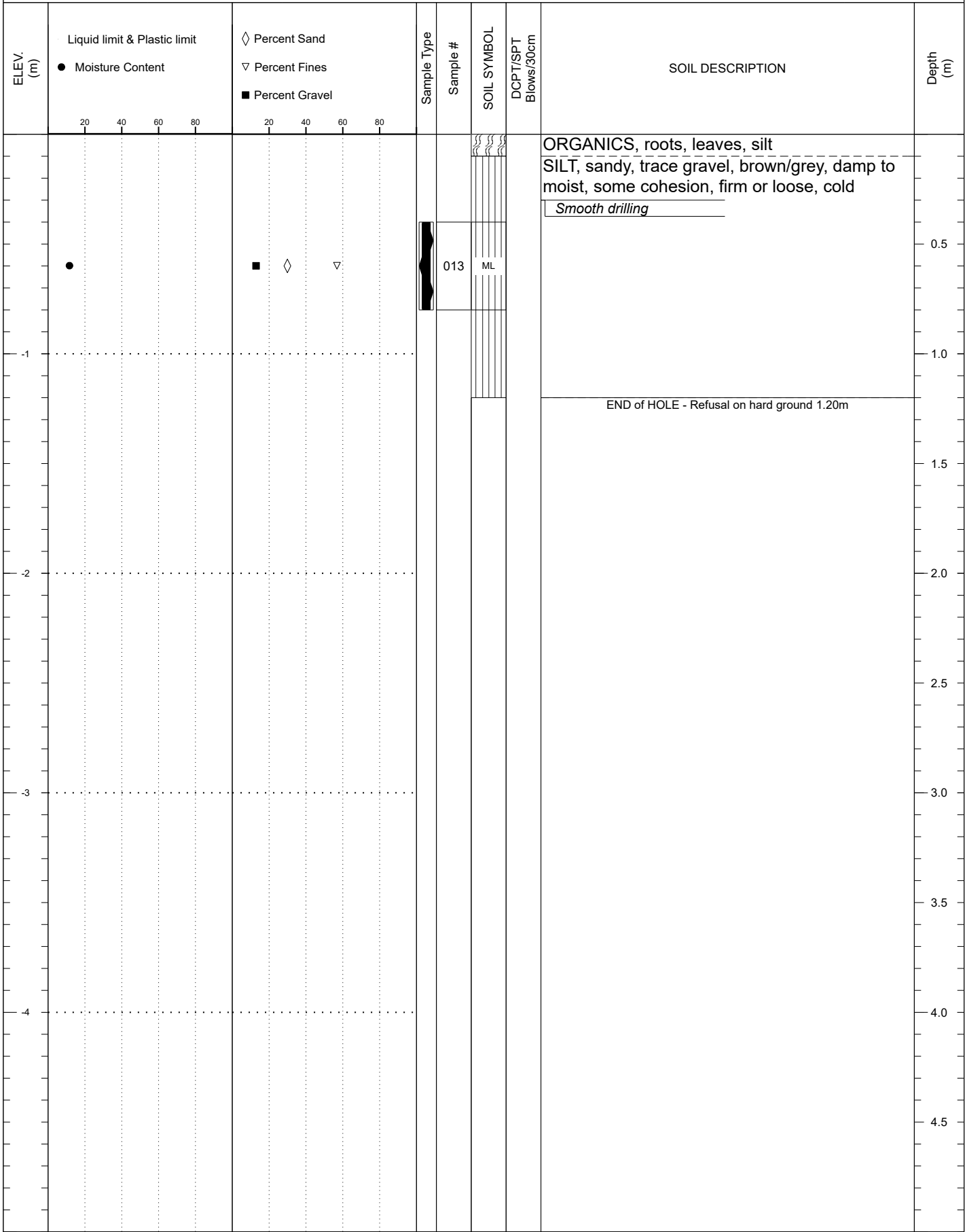
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-31
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885077.00m E430794.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



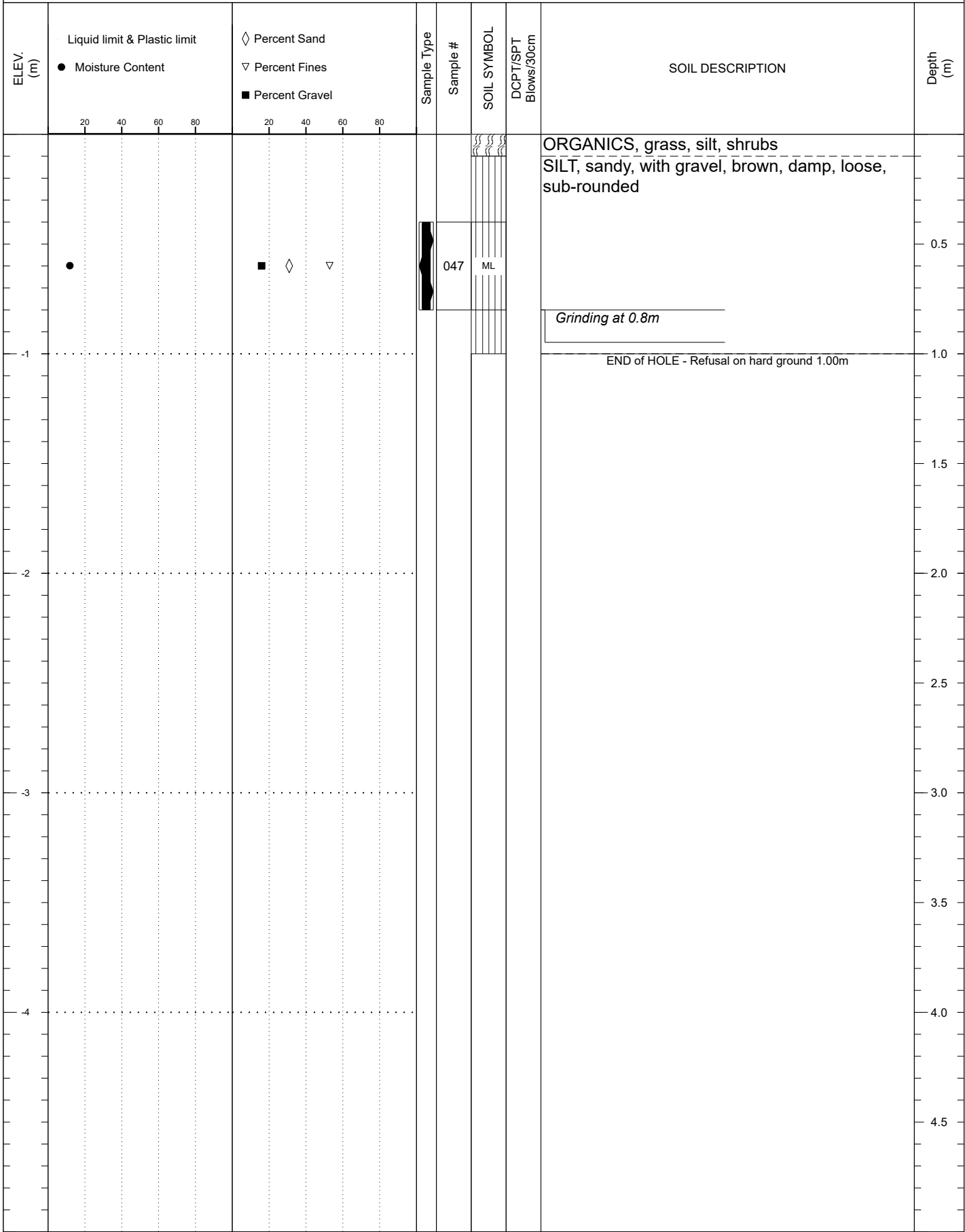
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-31B
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885077.00m E430796.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-32
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885235.00m E430793.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



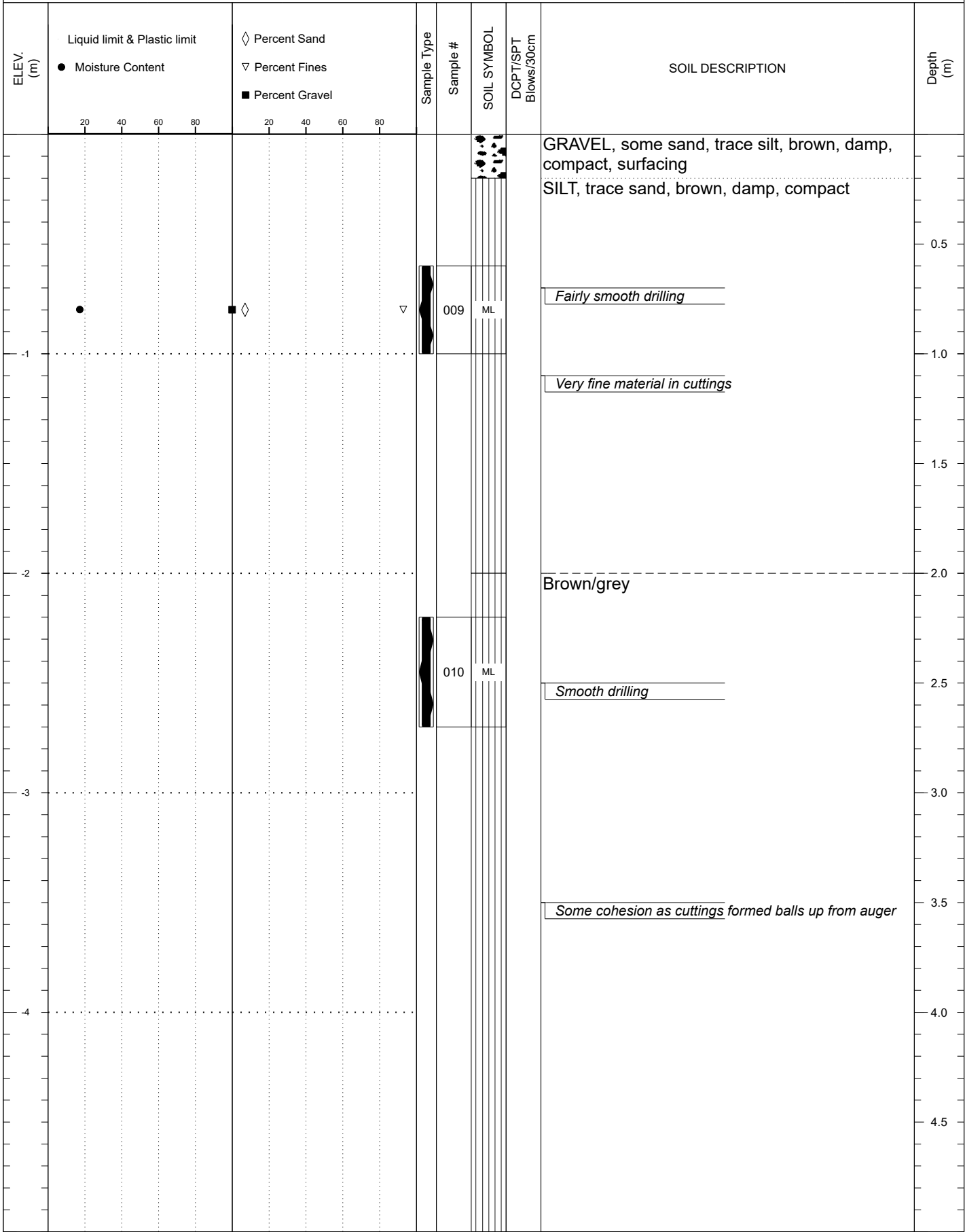
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-33
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885326.00m E430799.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE

ELEV. (m)	Liquid limit & Plastic limit ● Moisture Content	◇ Percent Sand ▽ Percent Fines ■ Percent Gravel	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
							ORGANICS, grass, shrubs GRAVEL, some silt, some sand, brown, damp, loose  <i>heavy grinding on coarse material</i>	0.5
-1							END of HOLE - Refusal on hard ground 1.00m	1.0
-2								2.0
-3								3.0
-4								4.0
								4.5

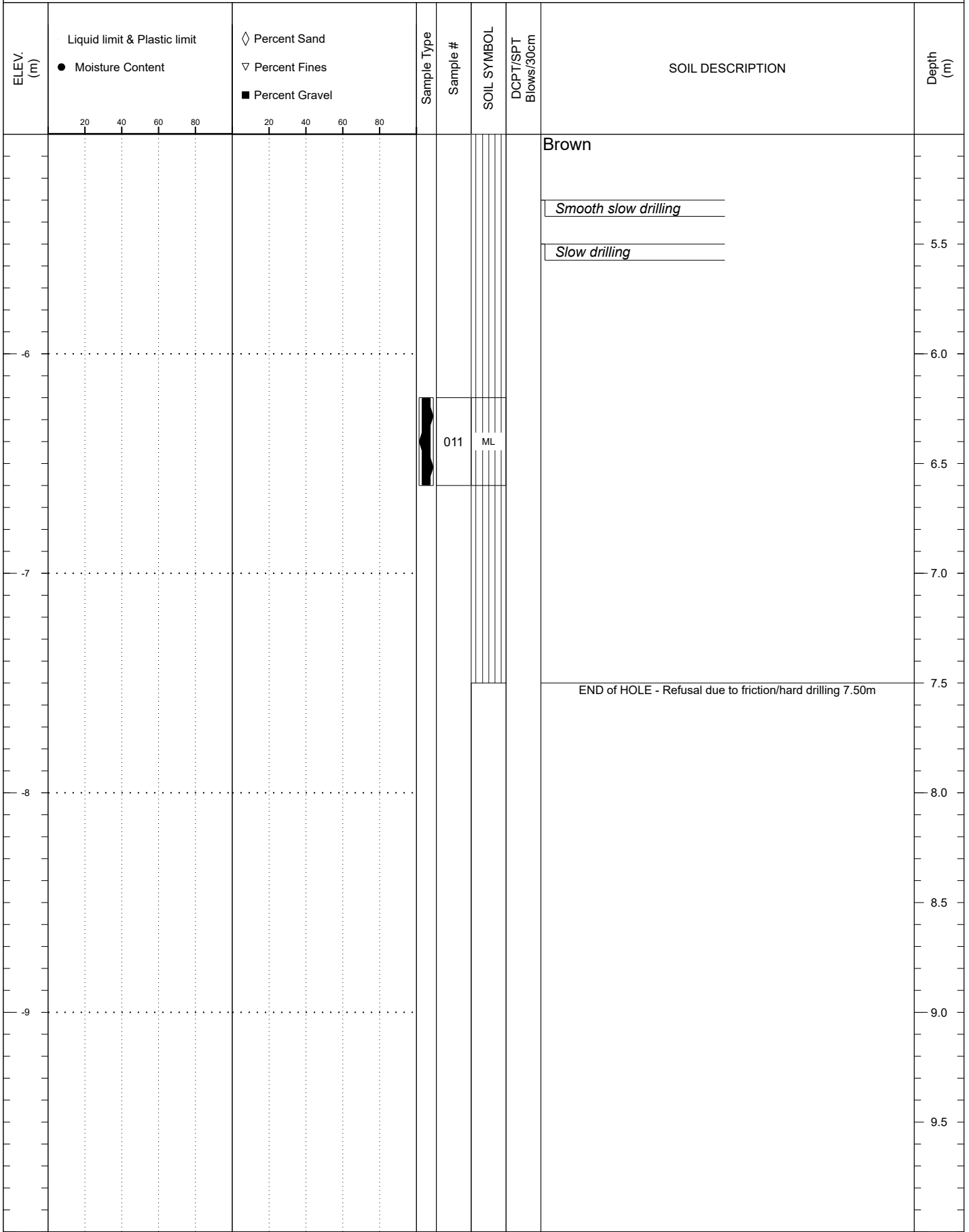
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-34
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885530.00m E430938.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



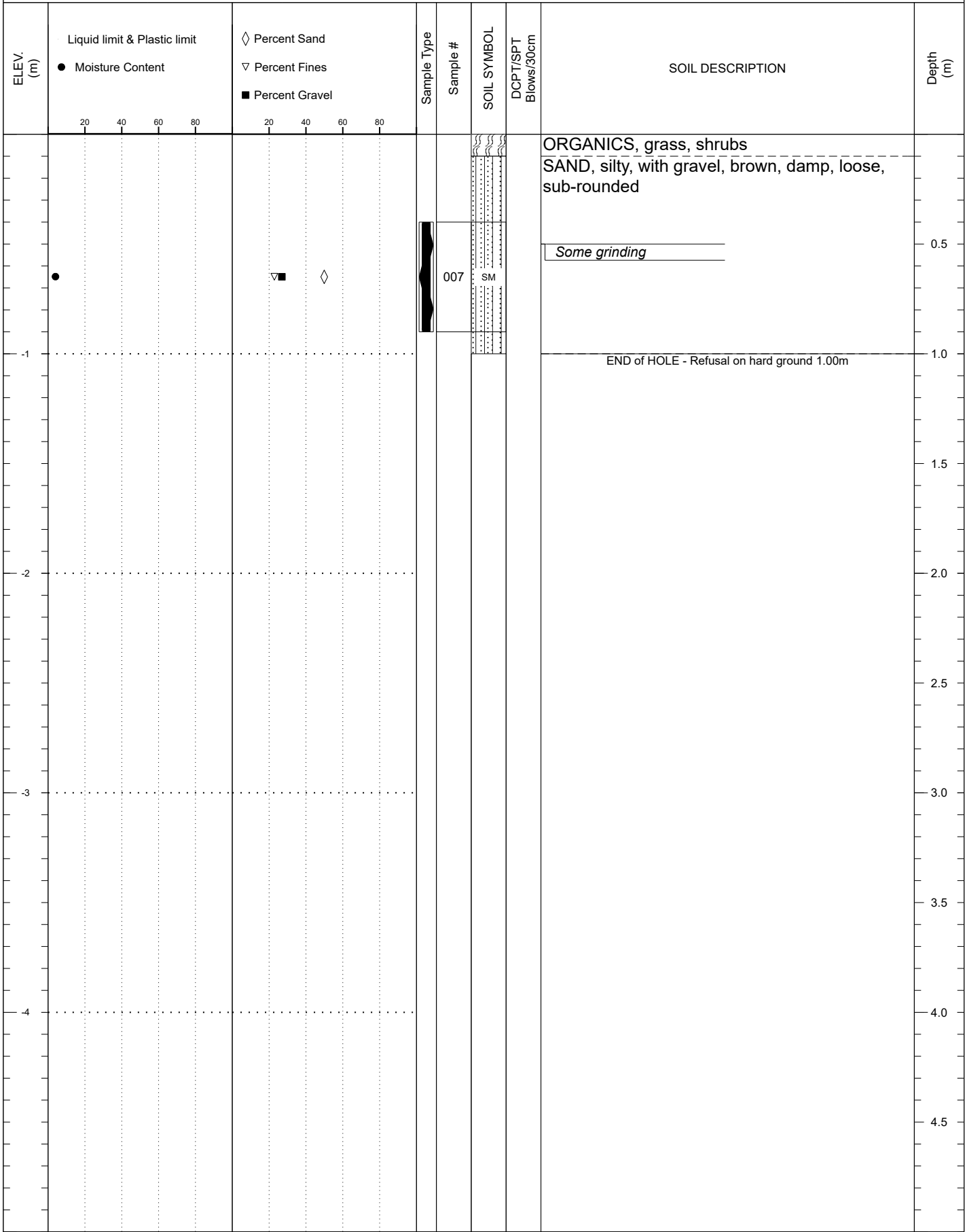
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-34
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885530.00m E430938.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



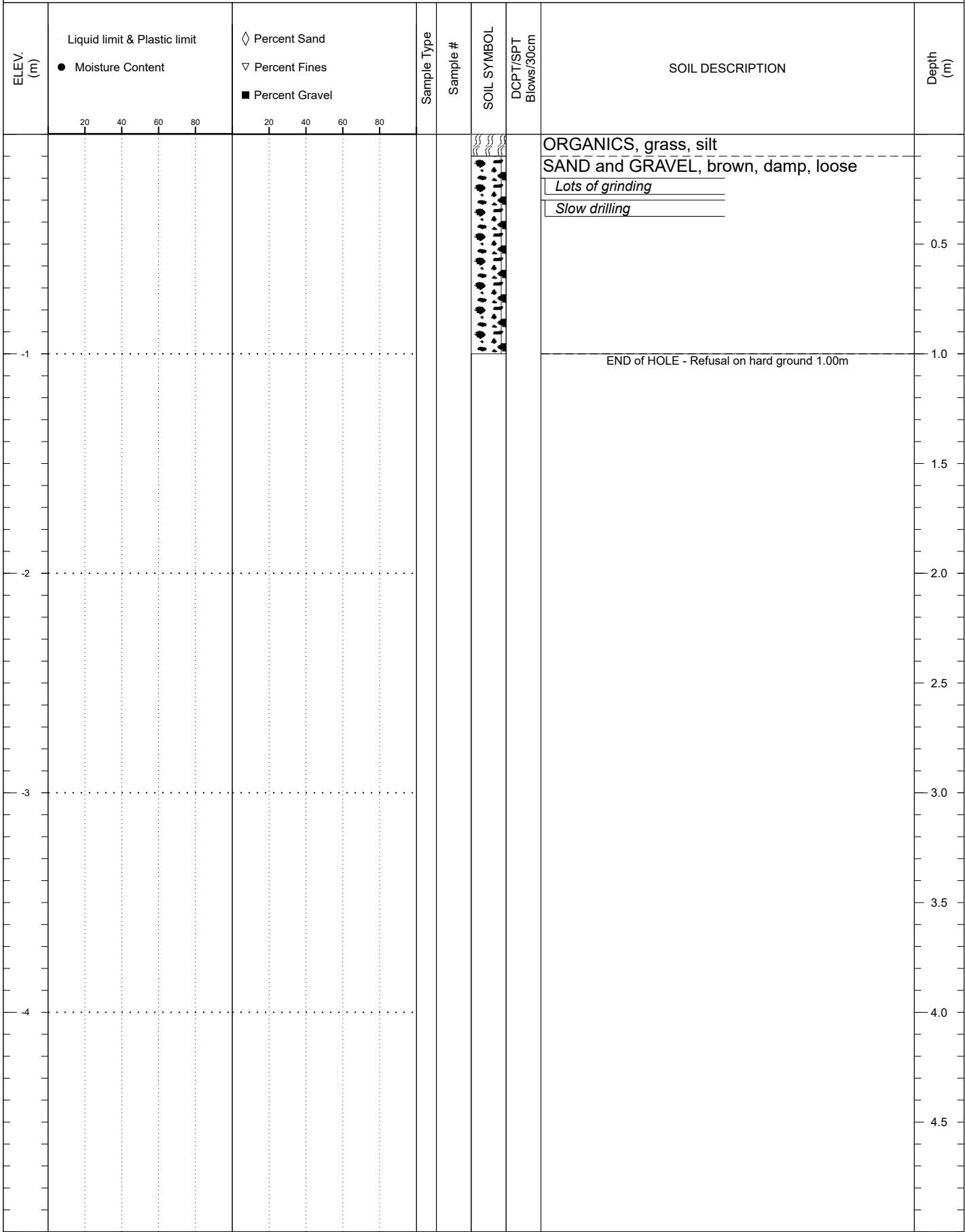
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-35
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885534.00m E430803.00m	

SAMPLE TYPE      UNDISTURBED       DCPT       AUGER      BULK      SPT      CORE



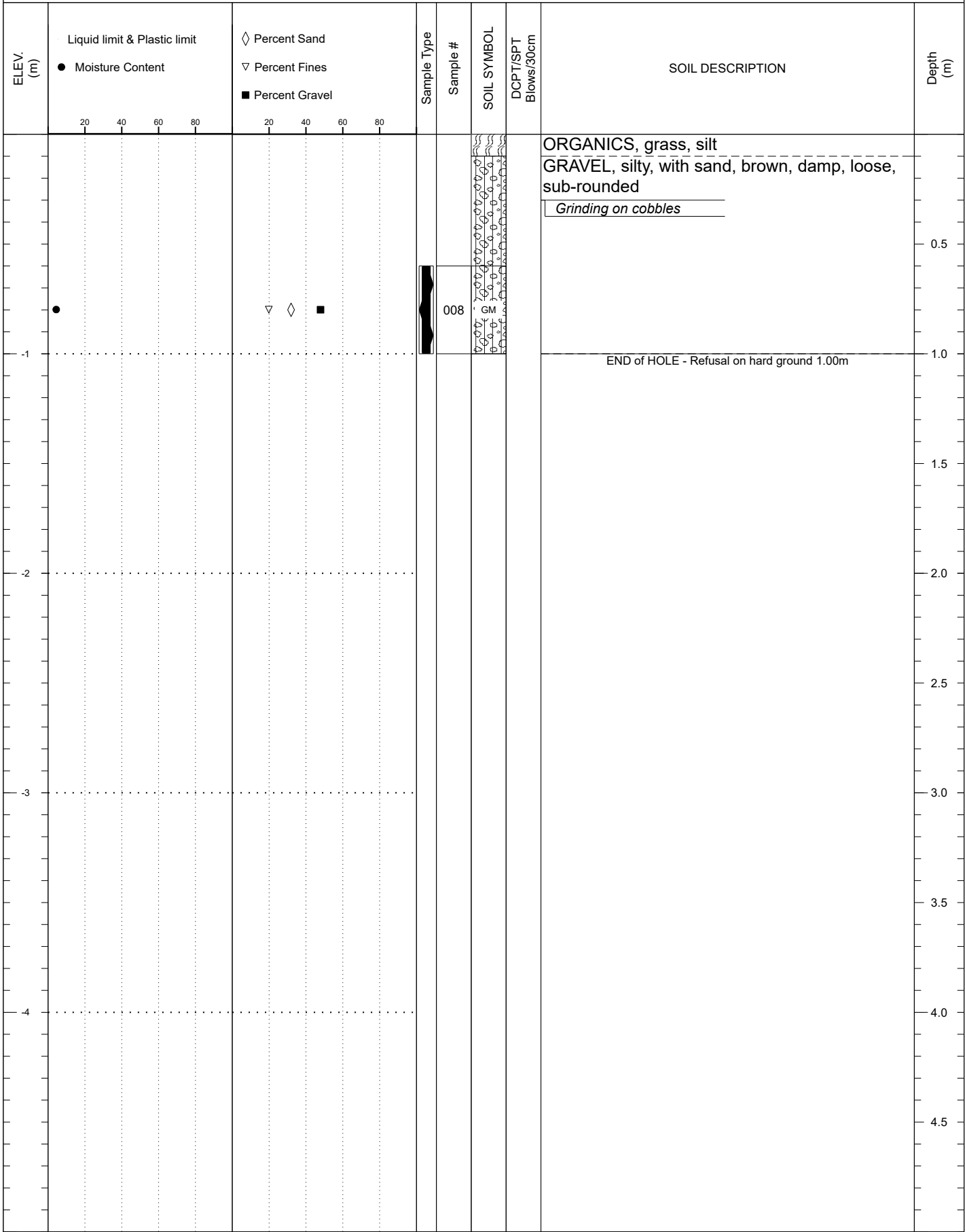
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-35B
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885534.00m E430802.00m	

SAMPLE TYPE      UNDISTURBED     DCPT     AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-35C
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885532.00m E430796.00m	

SAMPLE TYPE      UNDISTURBED       DCPT       AUGER      BULK      SPT      CORE



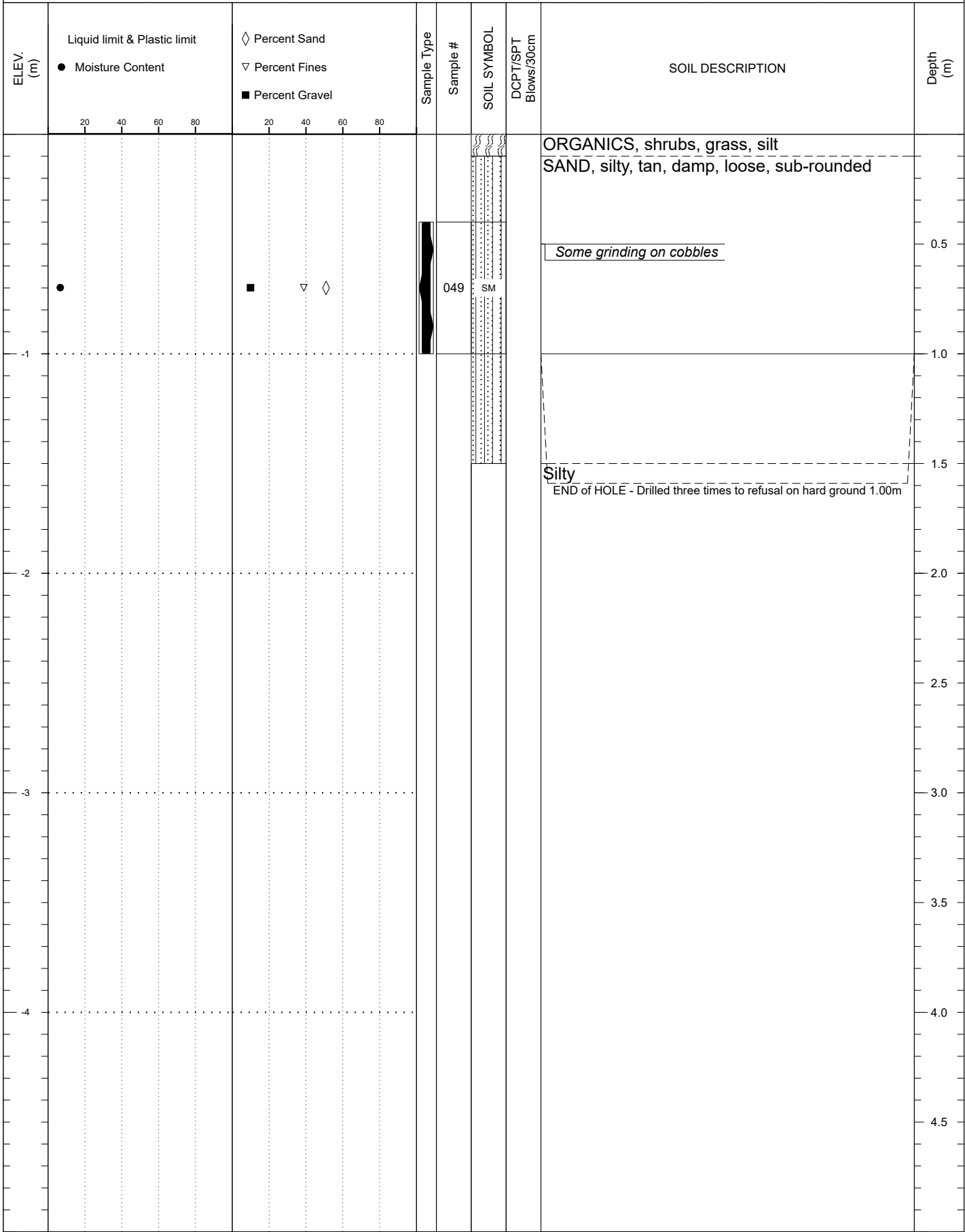
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-37
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885807.00m E430905.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE

ELEV. (m)	Liquid limit & Plastic limit ● Moisture Content	◇ Percent Sand ▽ Percent Fines ■ Percent Gravel	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
							ORGANICS, shrubs, grass, roots SILT, some ash, trace sand, trace gravel, tan, dry, loose	
							<i>Heavy grinding on coarse material</i>	0.5
-1							END of HOLE - Drilled twice to refusal on hard ground 1.00m	1.0
								1.5
-2								2.0
								2.5
-3								3.0
								3.5
-4								4.0
								4.5

SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-38
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885913.00m E430838.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



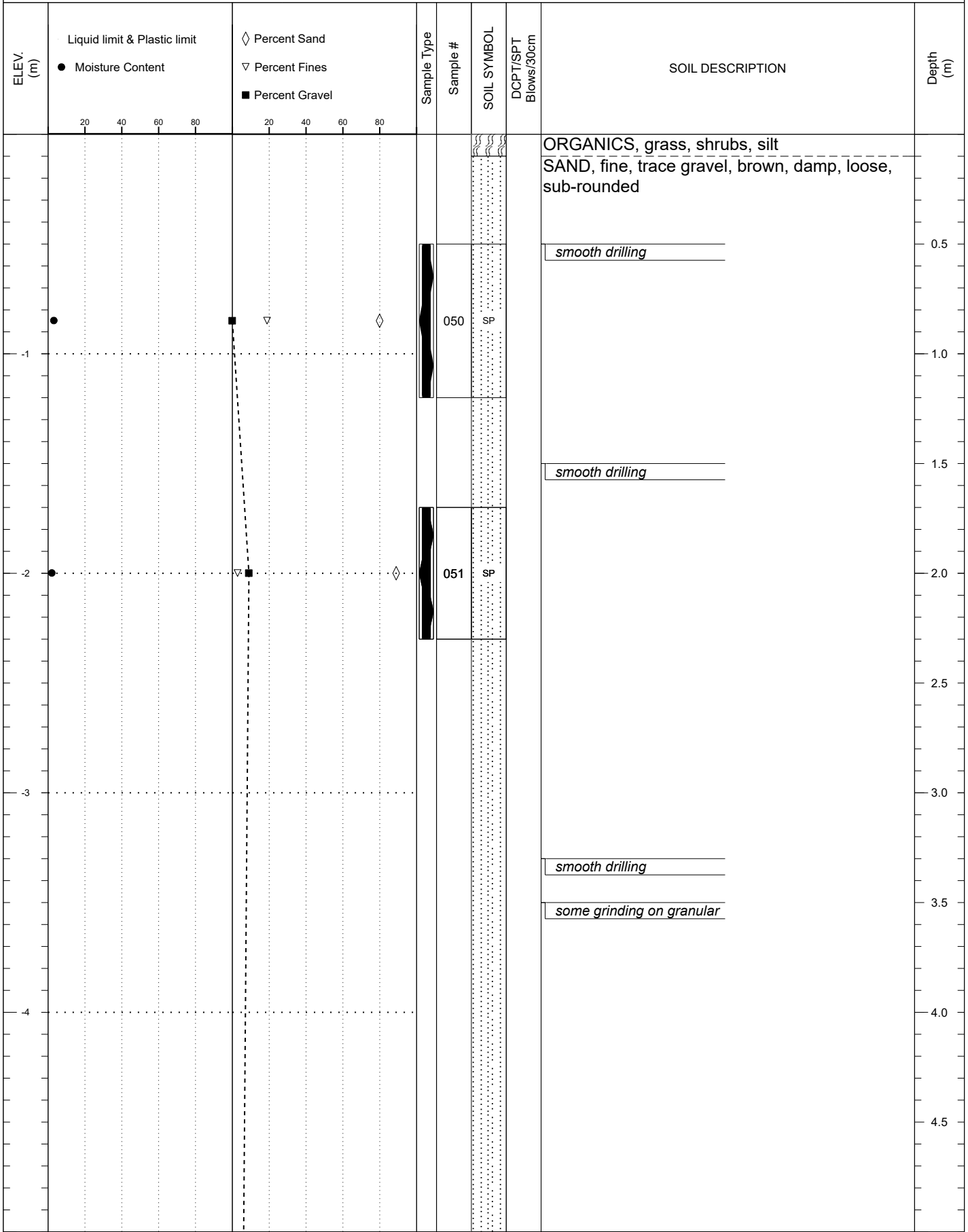
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-38
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6885913.00m E430838.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE

ELEV. (m)	Liquid limit & Plastic limit ● Moisture Content	◇ Percent Sand ▽ Percent Fines ■ Percent Gravel	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
	20 40 60 80	20 40 60 80					Silty	5.5
-6								6.0
-7								7.0
-8								8.0
-9								9.0
								9.5

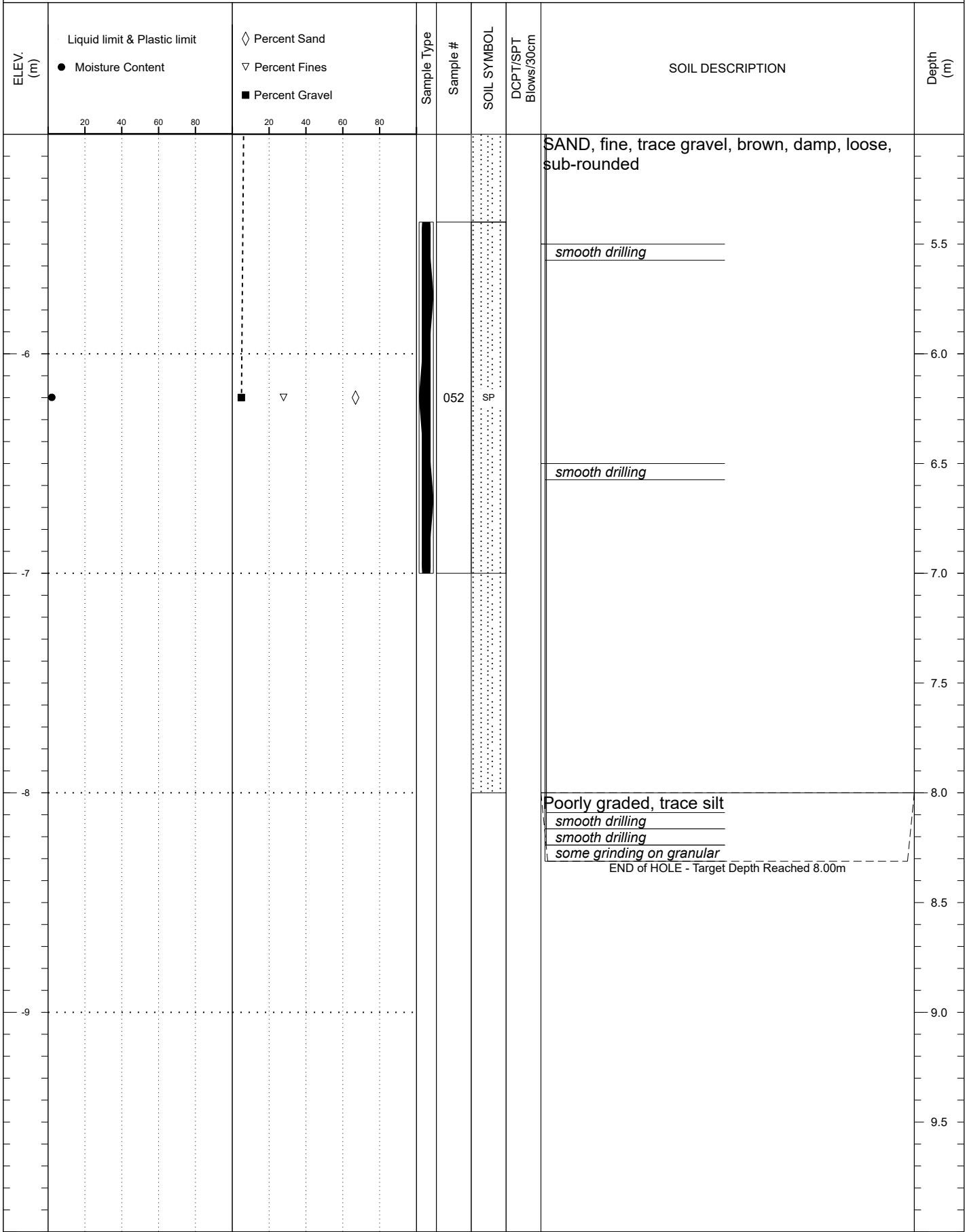
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-39
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886057.00m E430842.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



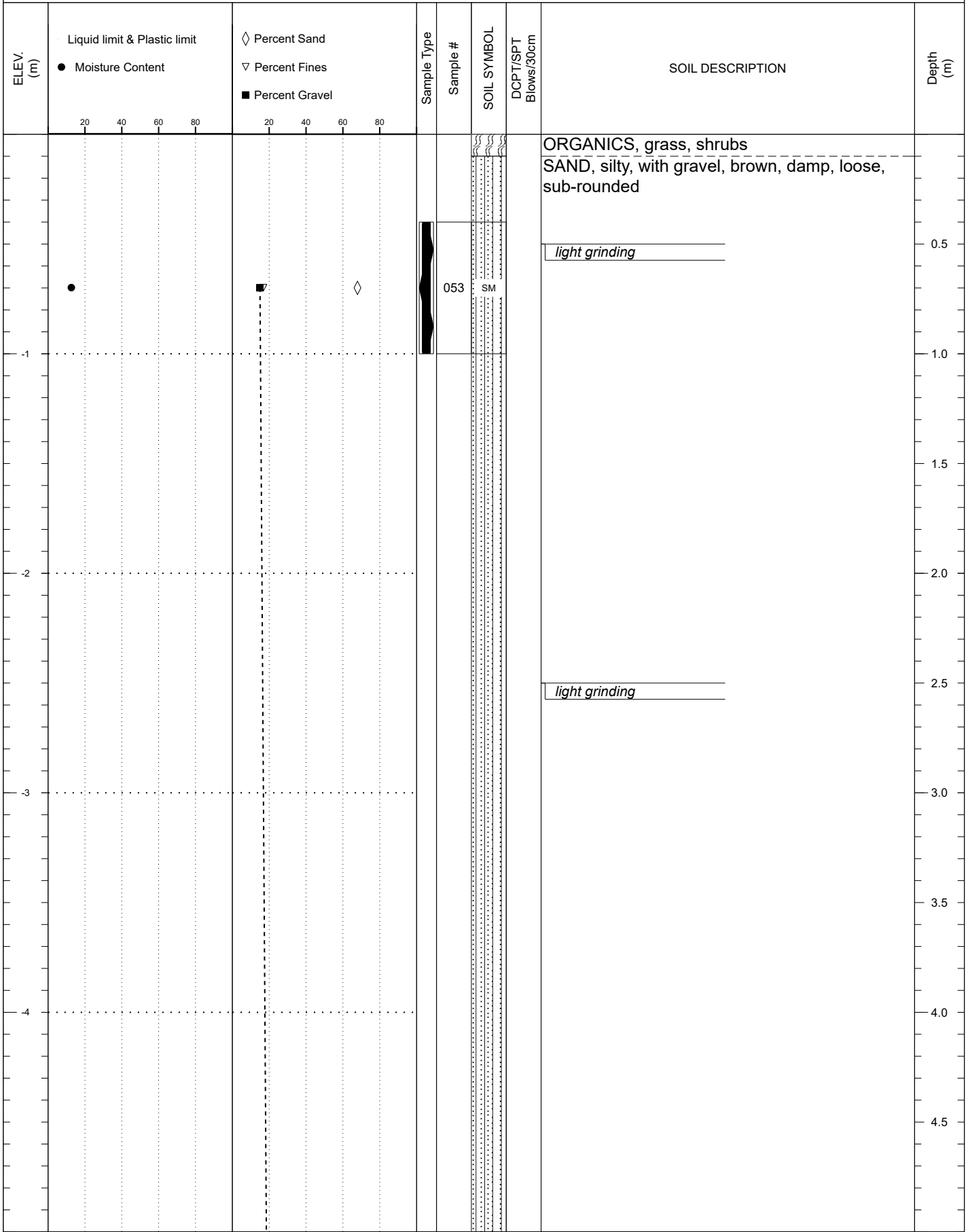
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-39
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886057.00m E430842.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



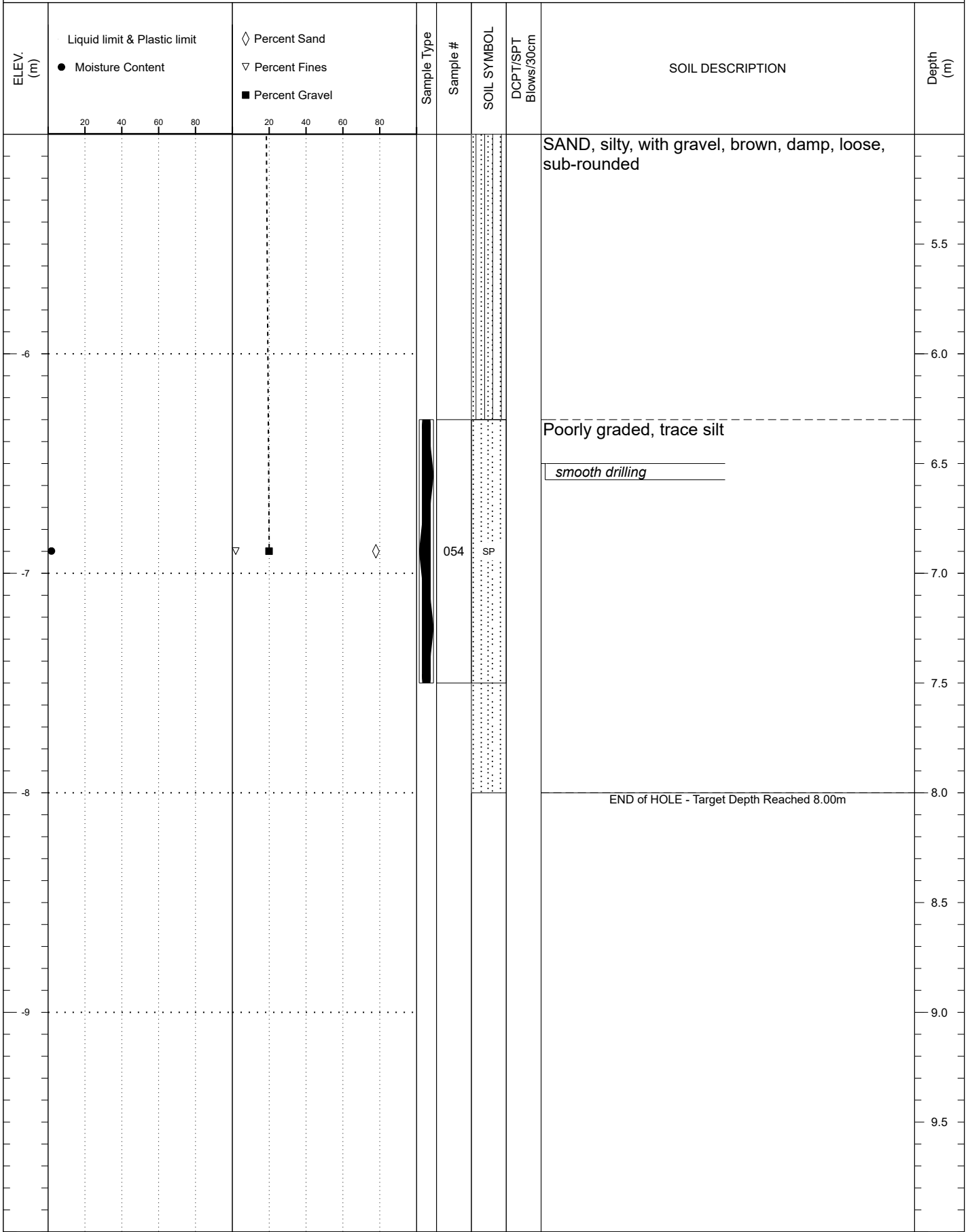
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-40
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886127.00m E430847.00m	

SAMPLE TYPE      UNDISTURBED       DCPT       AUGER      BULK      SPT      CORE



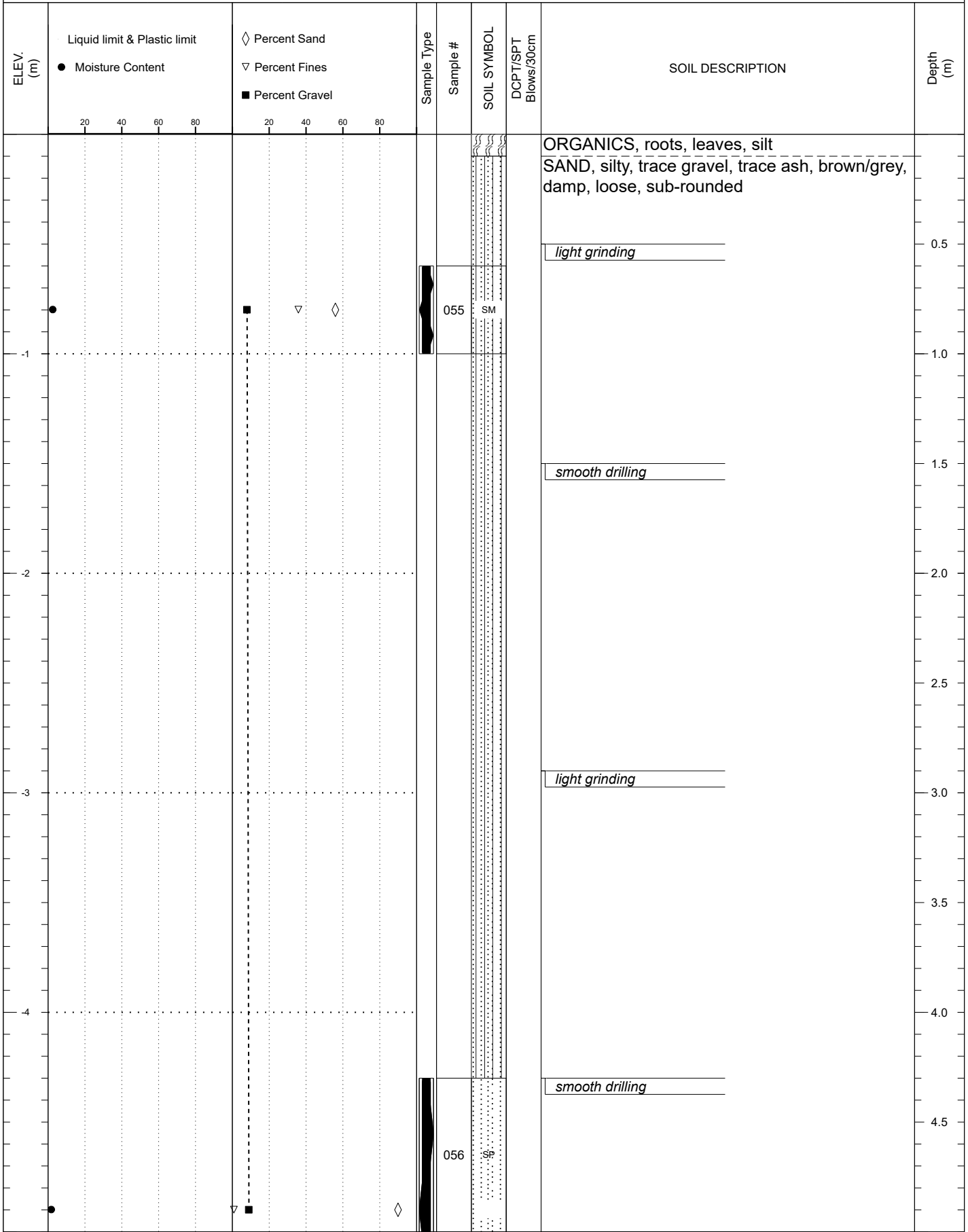
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-40
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886127.00m E430847.00m	

SAMPLE TYPE      UNDISTURBED      DCPT      AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-41
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886244.00m E430758.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



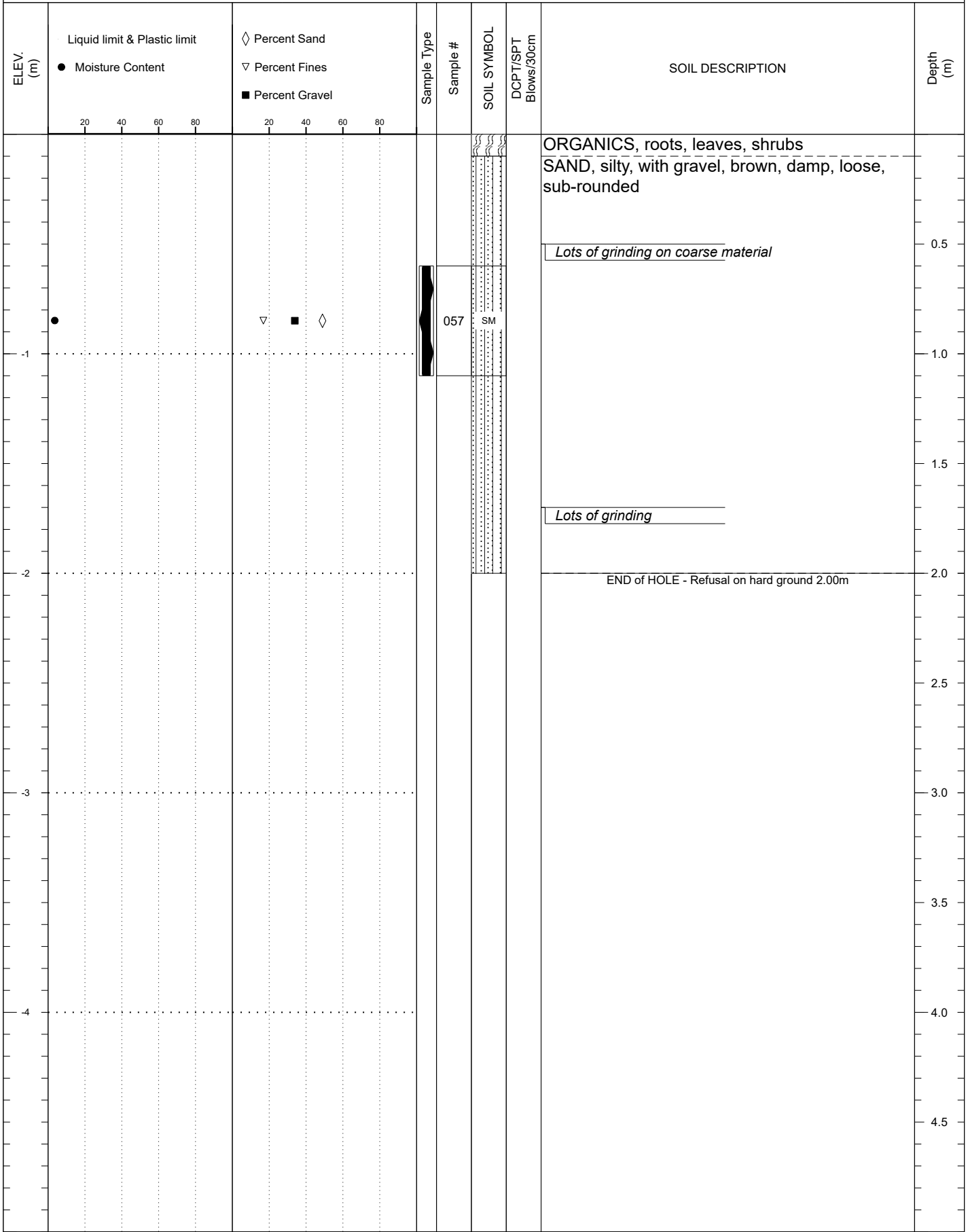
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-41
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886244.00m E430758.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE

ELEV. (m)	Liquid limit & Plastic limit ● Moisture Content	◇ Percent Sand ▽ Percent Fines ■ Percent Gravel	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
				056	SM		poorly graded, no ash, brown <i>smooth drilling</i>	
							<i>some grinding</i>	5.5
-6							END of HOLE - Refusal on hard ground 6.00m	6.0
-7								7.0
-8								8.0
-9								9.0
								9.5

SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-42
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886371.00m E430716.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



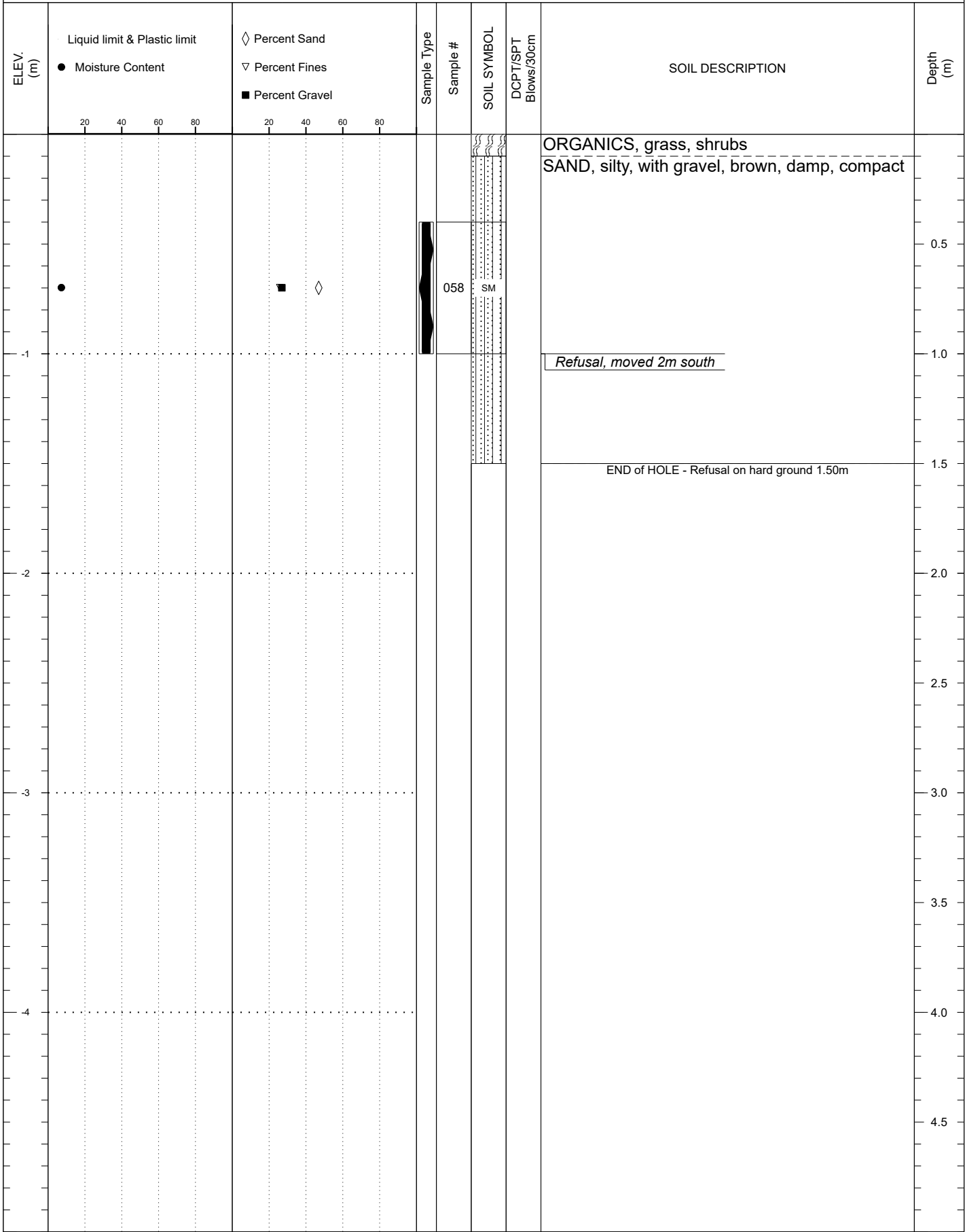
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-42B
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886367.00m E430718.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE

ELEV. (m)	Liquid limit & Plastic limit ● Moisture Content	◇ Percent Sand ▽ Percent Fines ■ Percent Gravel	Sample Type	Sample #	SOIL SYMBOL	DCPT/SPT Blows/30cm	SOIL DESCRIPTION	Depth (m)
							ORGANICS, roots, shrubs GRAVEL, sandy, trace silt, brown, damp, compact, sub-rounded  <i>heavy grinding on coarse material</i>	0.5
-1								1.0
							END of HOLE - Refusal on hard ground 1.50m	1.5
-2								2.0
								2.5
-3								3.0
								3.5
-4								4.0
								4.5

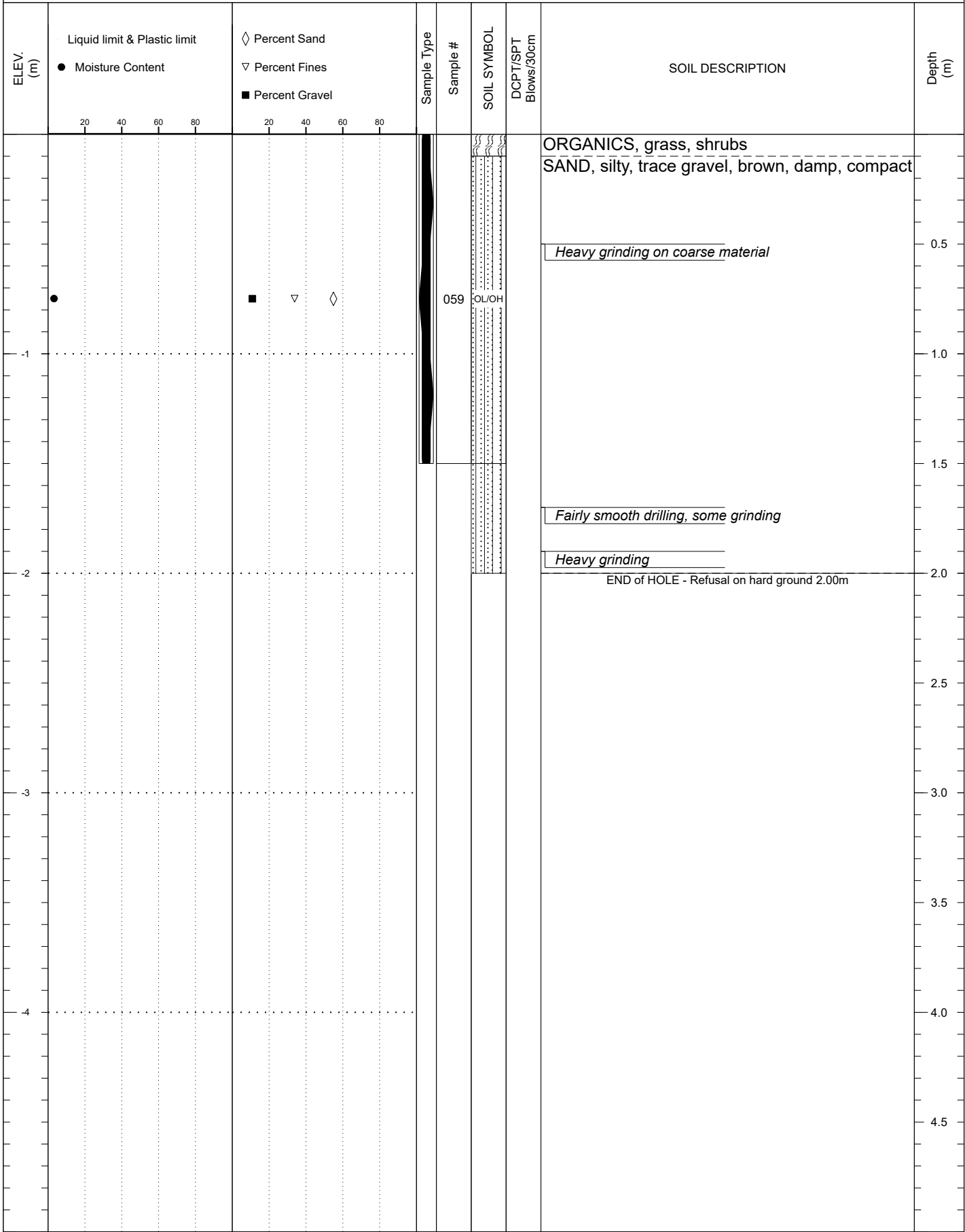
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-43
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886449.00m E430660.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



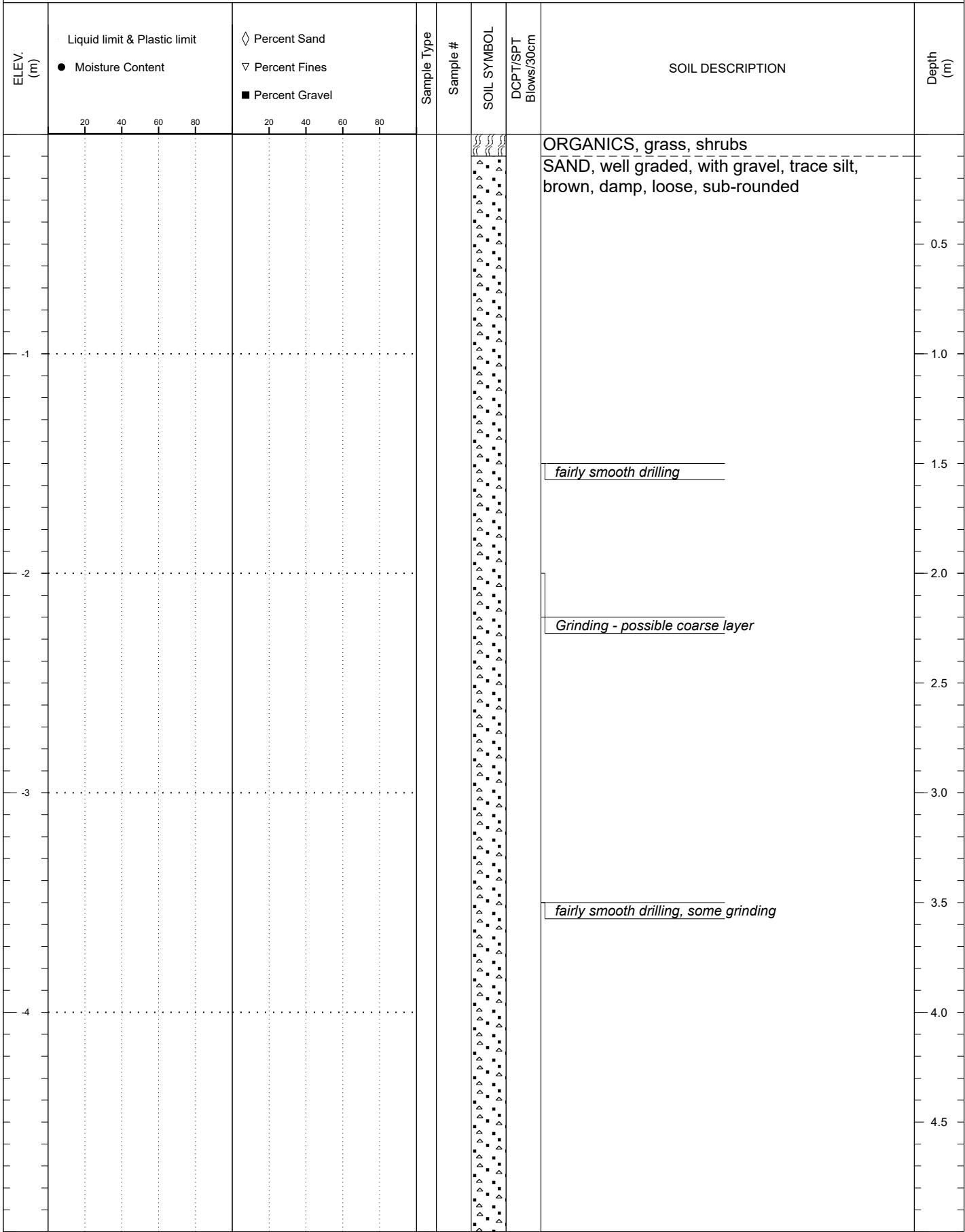
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-44
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886293.00m E430845.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



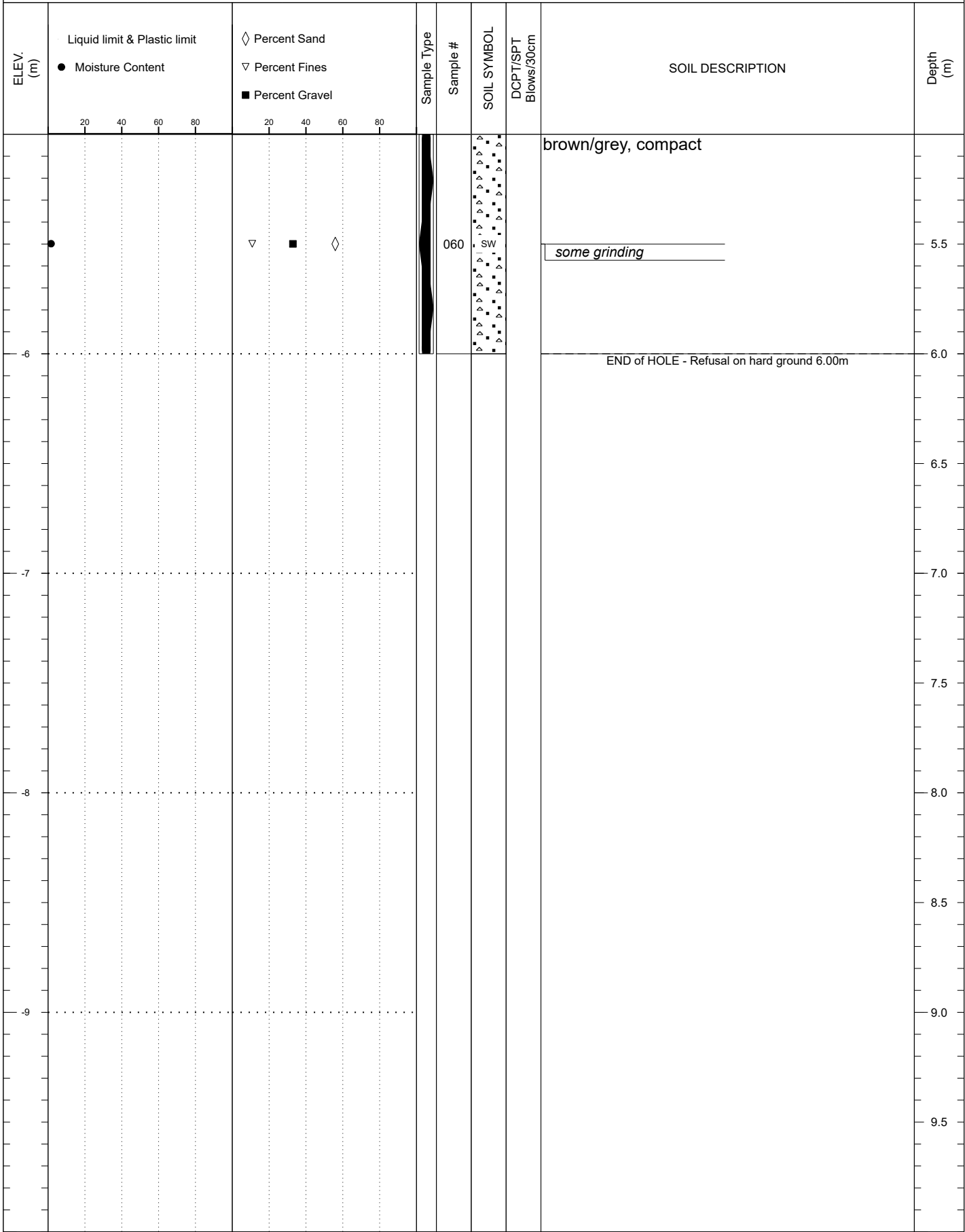
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-44B
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886294.00m E430846.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



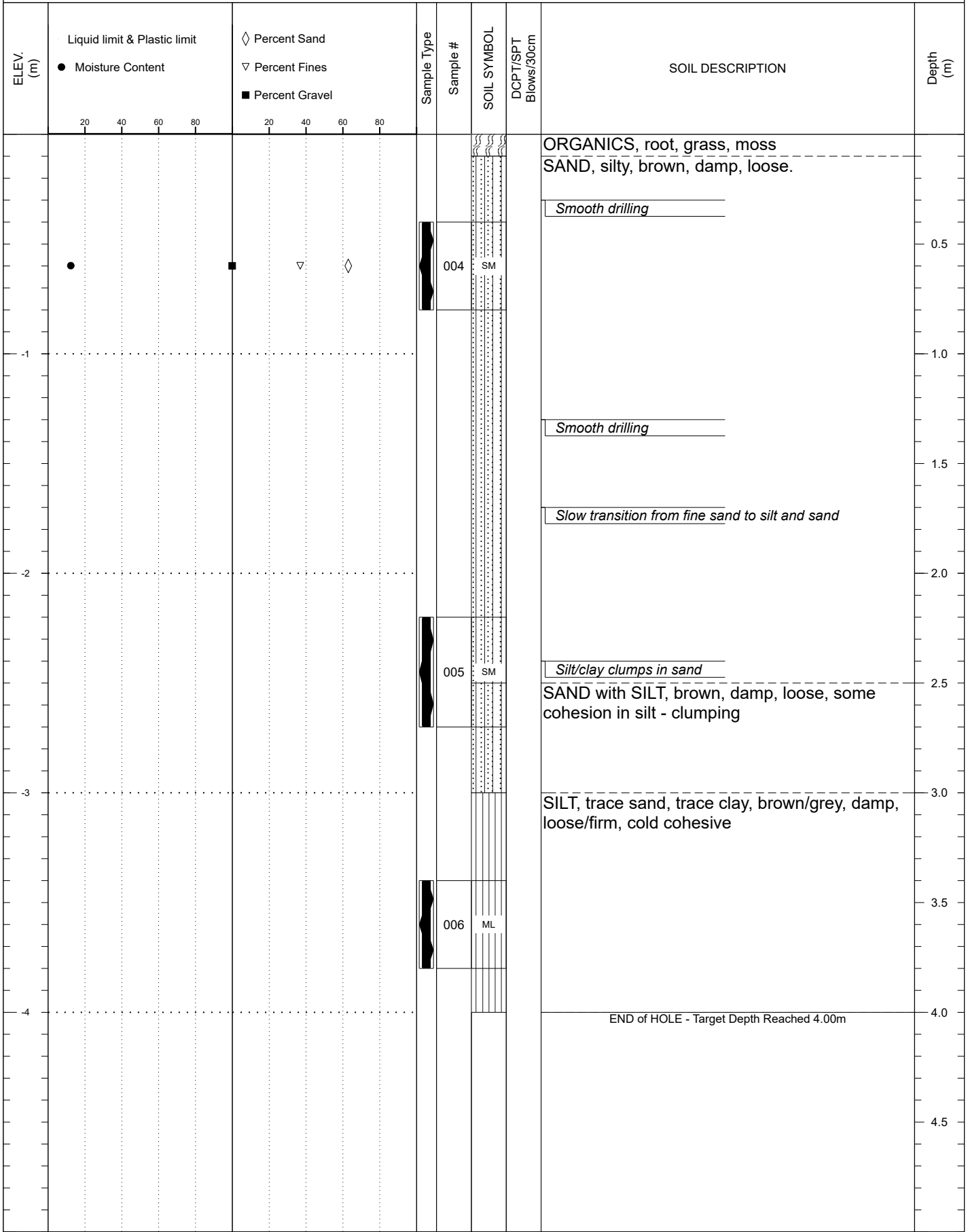
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-44B
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886294.00m E430846.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



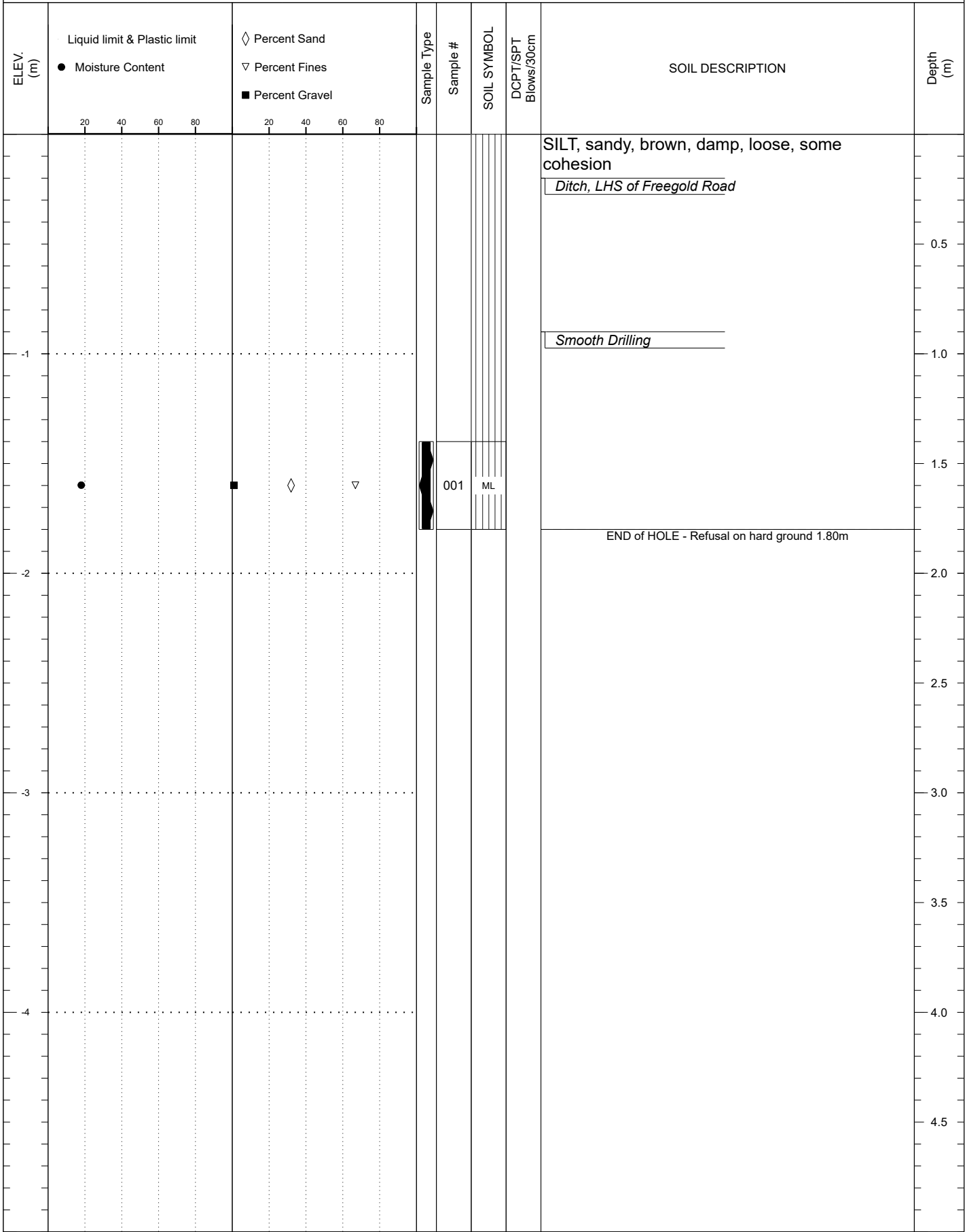
SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-45
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886526.00m E430823.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-46
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886671.00m E430767.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE



SILT, sandy, brown, damp, loose, some cohesion

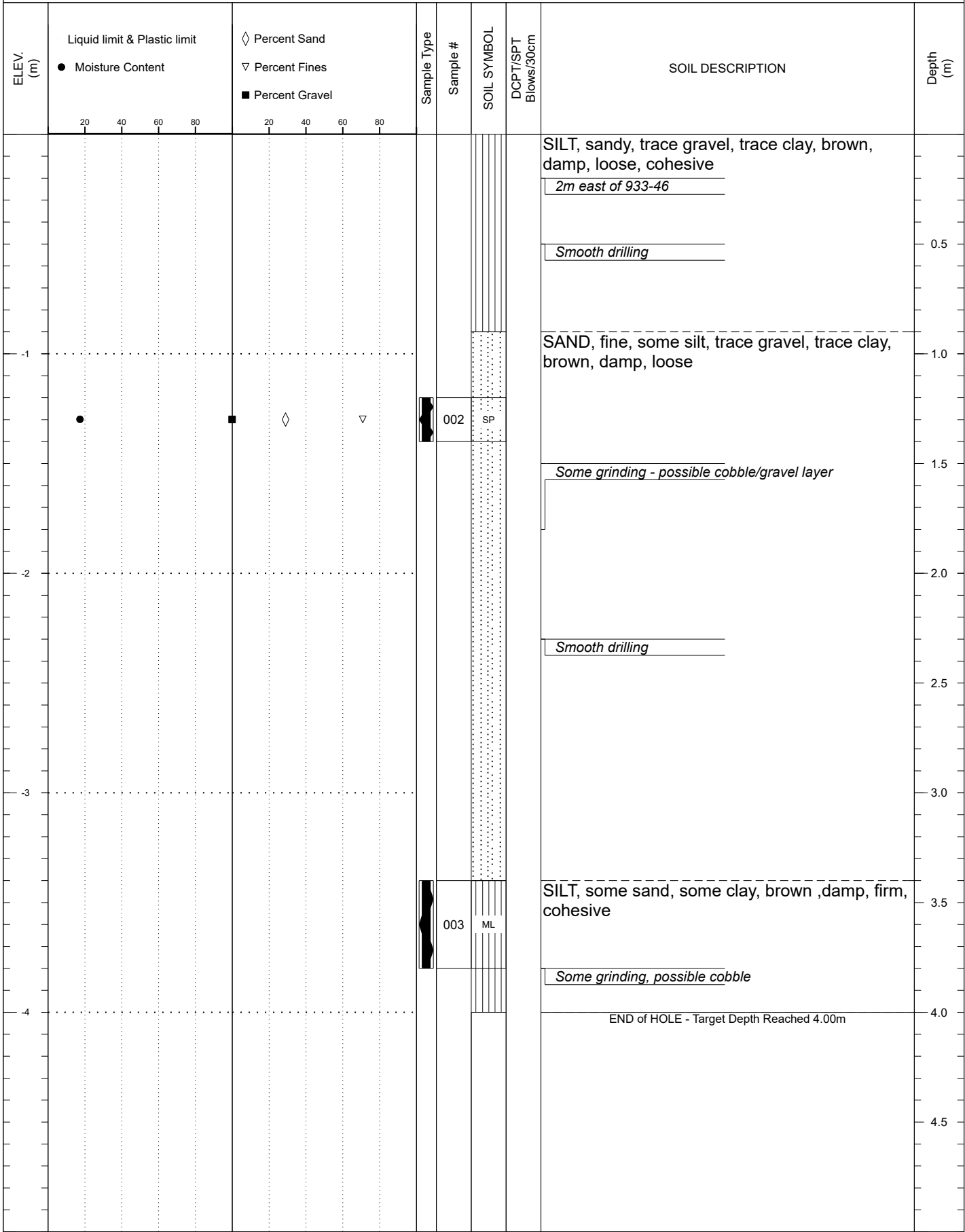
*Ditch, LHS of Freegold Road*

*Smooth Drilling*

END of HOLE - Refusal on hard ground 1.80m

SUBSURFACE EXPLORATION AND TEST REPORT	Goldfield Expansion	SOURCE/TP#: 933-46B
CLIENT: Transportation Engineering	Freegold Road # 309	PROJECT NO: 552-202309
EQUIPMENT: Small Drill	Coordinates: N6886670.00m E430770.00m	

SAMPLE TYPE      UNDISTURBED     DCPT       AUGER      BULK      SPT      CORE

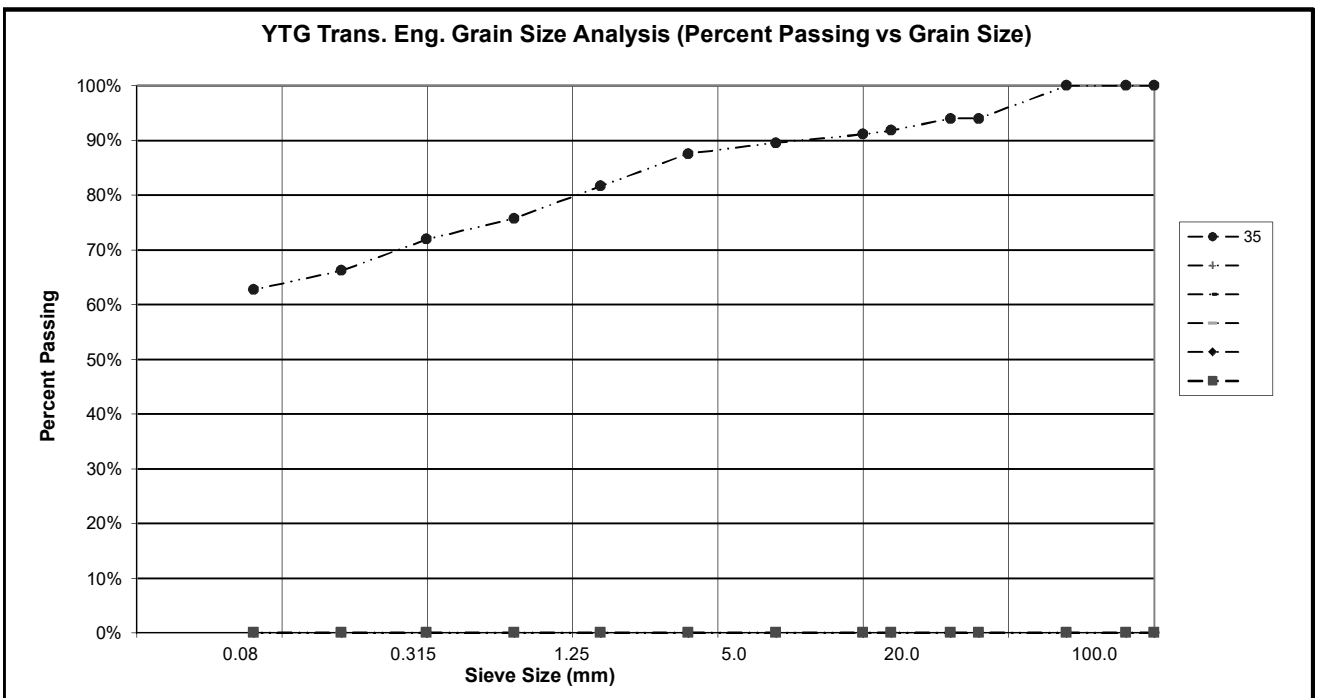


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 4B

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	35				
<b>LAB NO.:</b>	180150				
<b>DEPTH:</b>	1070.1				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	94%				
20.0	94%				
12.5	92%				
10.0	91%				
5.0	90%				
2.5	88%				
1.25	82%				
0.630	76%				
0.315	72%				
0.160	66%				
0.080	63%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	10				
<b>% SAND:</b>	27				
<b>% FINES:</b>	63				
<b>CLASSIFICATION</b>	SANDY SILT (ML)				



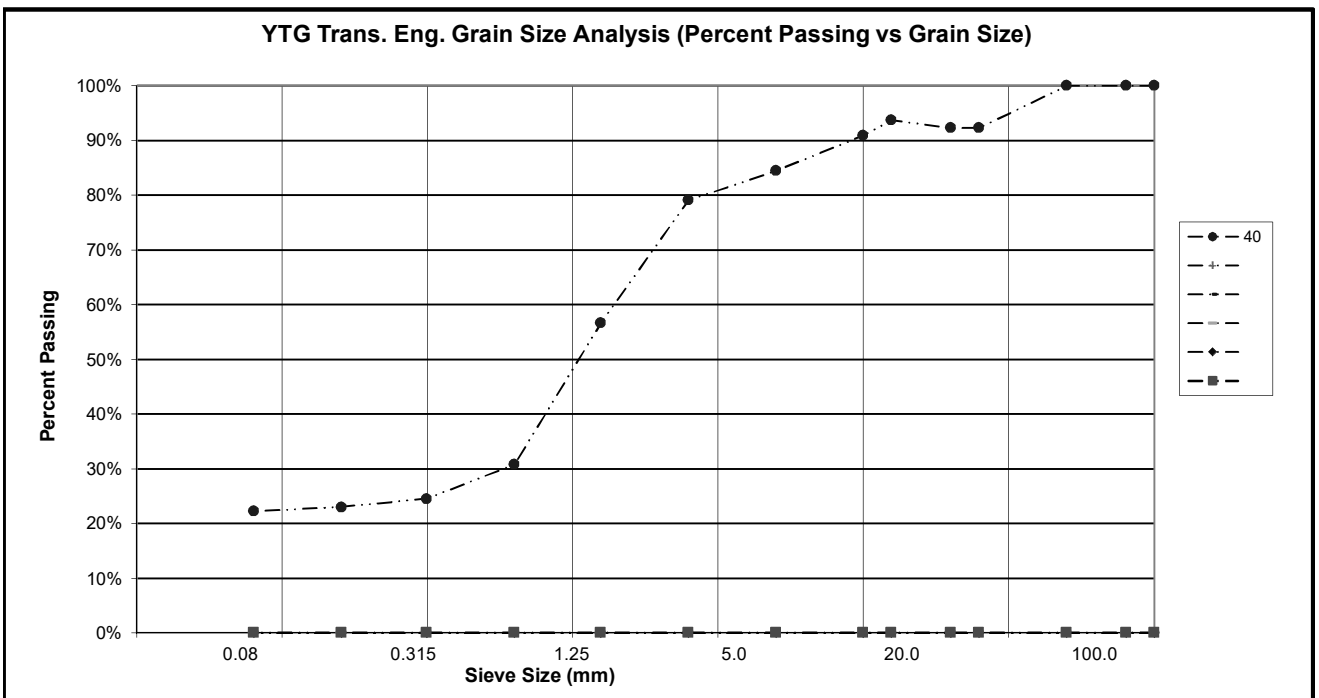
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 5

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	40				
<b>LAB NO.:</b>	180151				
<b>DEPTH:</b>	823				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	92%				
20.0	92%				
12.5	94%				
10.0	91%				
5.0	84%				
2.5	79%				
1.25	57%				
0.630	31%				
0.315	25%				
0.160	23%				
0.080	22%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	16				
<b>% SAND:</b>	62				
<b>% FINES:</b>	22				
<b>CLASSIFICATION</b>	SILTY SAND WITH GRAVEL (SM)				



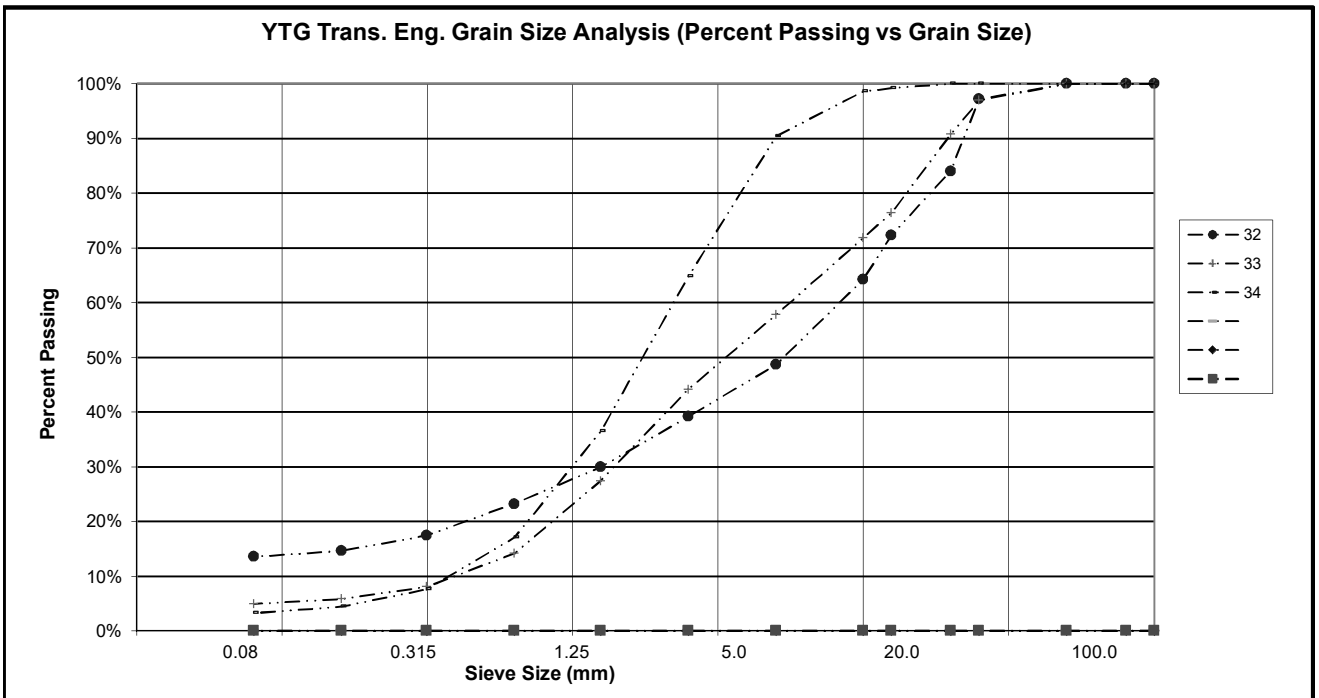
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 6

DATE COMP: 1/0/1900

FIELD NO:	32	33	34		
LAB NO:	180152	180153	180154		
DEPTH:	2007.3	2491.6	875.5		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	97%	97%	100%		
20.0	84%	91%	100%		
12.5	72%	76%	99%		
10.0	64%	72%	99%		
5.0	49%	58%	90%		
2.5	39%	44%	65%		
1.25	30%	27%	37%		
0.630	23%	14%	17%		
0.315	18%	8%	8%		
0.160	15%	6%	5%		
0.080	14%	5%	3%		
M.C.(%):	0%	0%	0%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	51	42	10		
% SAND:	35	53	87		
% FINES:	14	5	3		
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	WELL-GRADED SAND WITH GRAVEL (SW)	POORLY GRADED SAND (SP)		

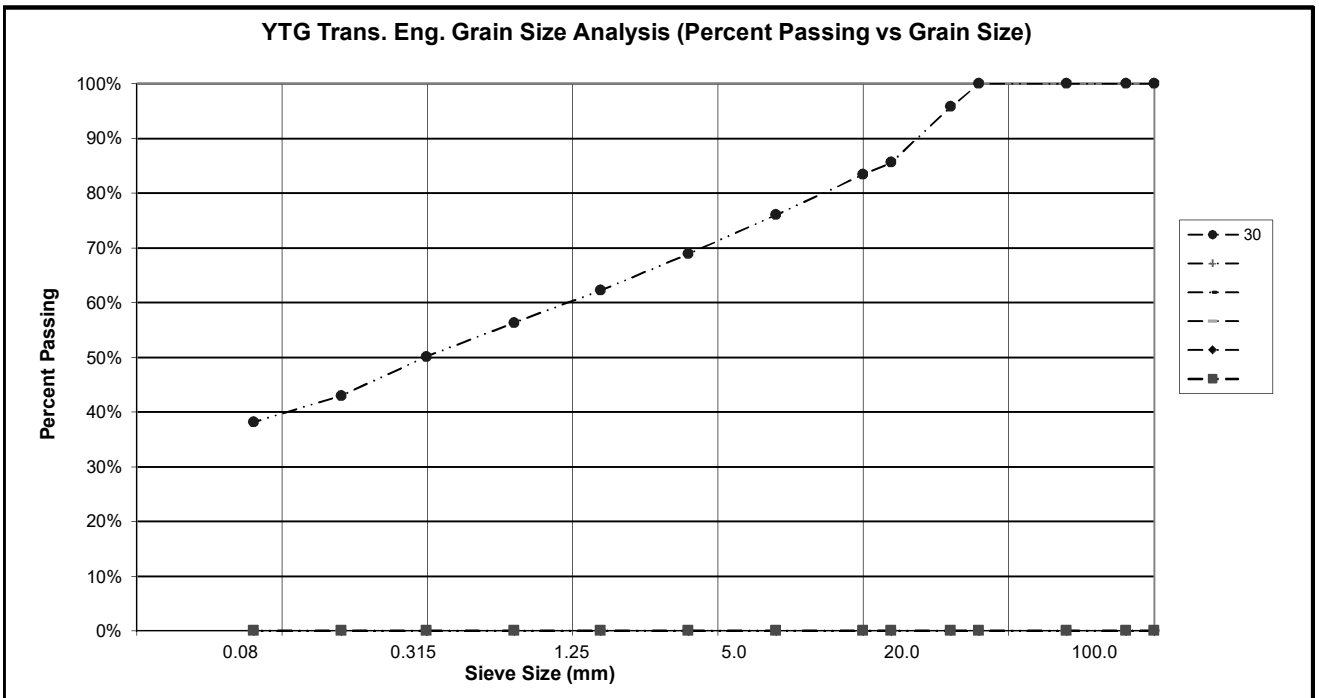


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 7

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	30				
<b>LAB NO.:</b>	180155				
<b>DEPTH:</b>	635.3				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	96%				
12.5	86%				
10.0	83%				
5.0	76%				
2.5	69%				
1.25	62%				
0.630	56%				
0.315	50%				
0.160	43%				
0.080	38%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	24				
<b>% SAND:</b>	38				
<b>% FINES:</b>	38				
<b>CLASSIFICATION</b>	SILTY SAND WITH GRAVEL (SM)				



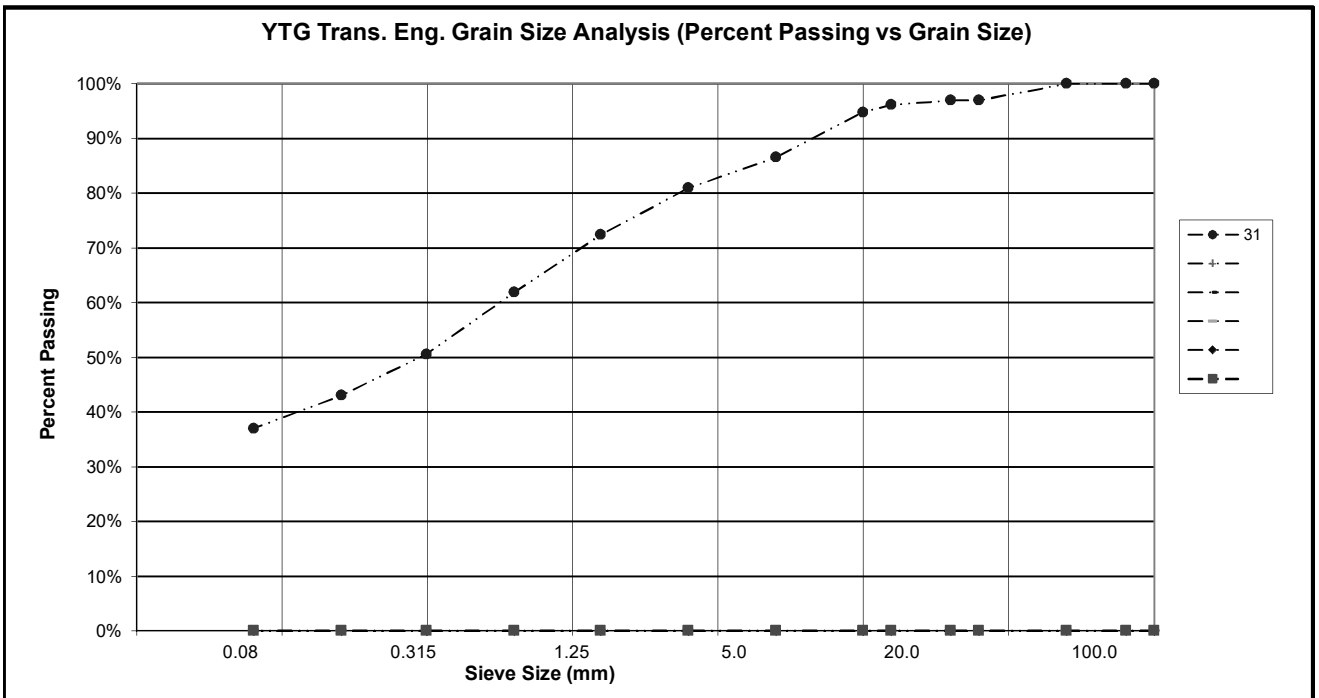
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 7B

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	31				
<b>LAB NO.:</b>	180156				
<b>DEPTH:</b>	1044.5				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	97%				
20.0	97%				
12.5	96%				
10.0	95%				
5.0	87%				
2.5	81%				
1.25	72%				
0.630	62%				
0.315	51%				
0.160	43%				
0.080	37%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	13				
<b>% SAND:</b>	50				
<b>% FINES:</b>	37				
<b>CLASSIFICATION</b>	SILTY SAND (SM)				

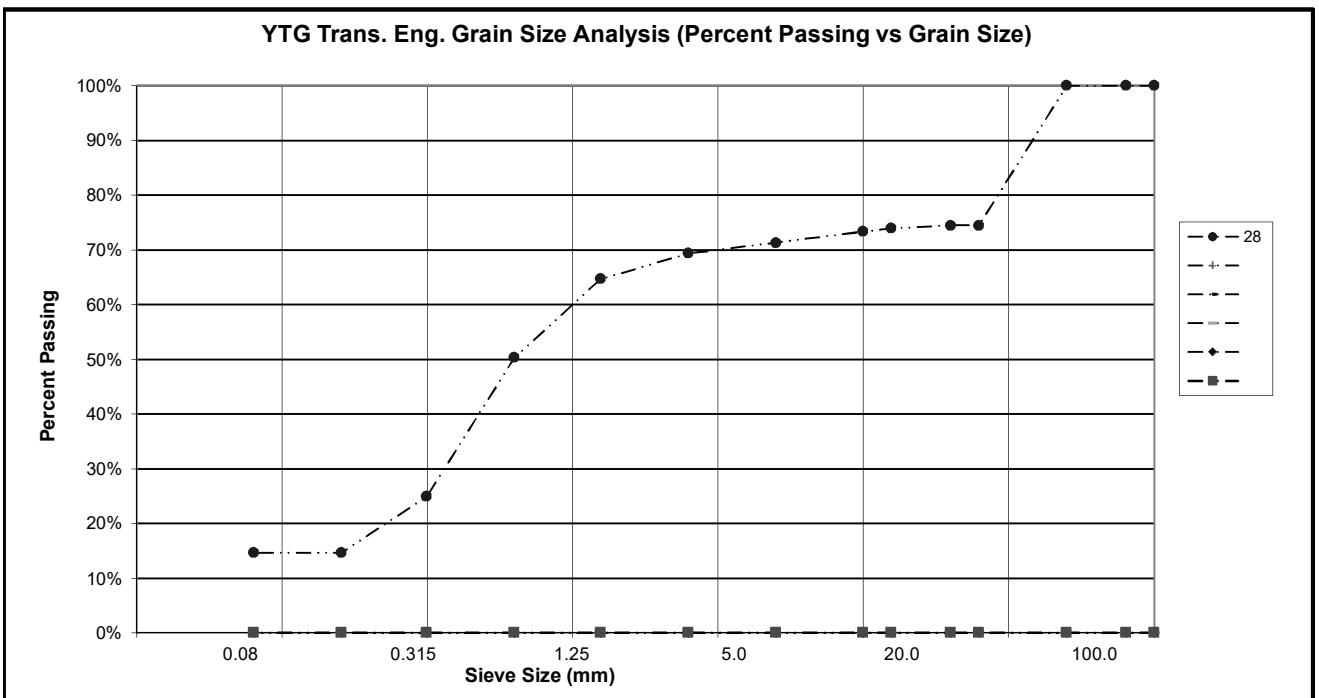


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 8

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	28				
<b>LAB NO.:</b>	180157				
<b>DEPTH:</b>	816.2				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	74%				
20.0	74%				
12.5	74%				
10.0	73%				
5.0	71%				
2.5	69%				
1.25	65%				
0.630	50%				
0.315	25%				
0.160	15%				
0.080	15%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	29				
<b>% SAND:</b>	57				
<b>% FINES:</b>	15				
<b>CLASSIFICATION</b>	SILTY SAND WITH GRAVEL (SM)				



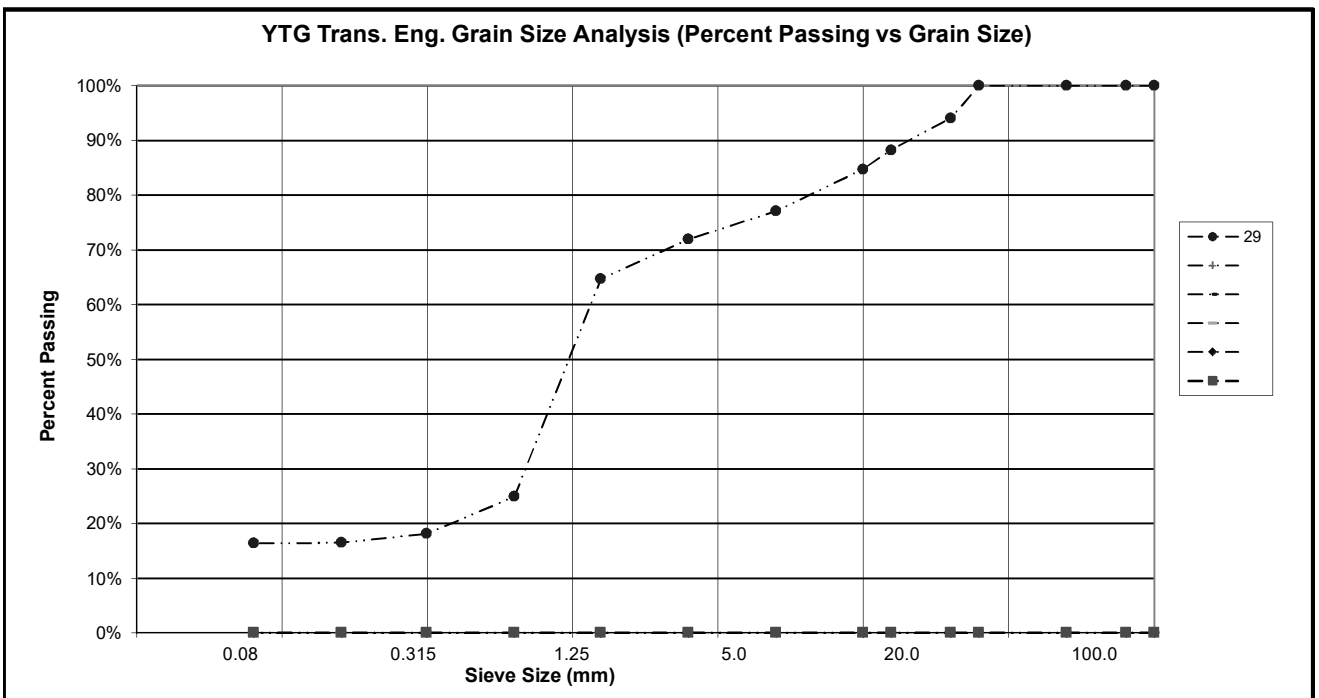
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 8B

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	29				
<b>LAB NO.:</b>	180158				
<b>DEPTH:</b>	699.3				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	94%				
12.5	88%				
10.0	85%				
5.0	77%				
2.5	72%				
1.25	65%				
0.630	25%				
0.315	18%				
0.160	17%				
0.080	16%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	23				
<b>% SAND:</b>	61				
<b>% FINES:</b>	16				
<b>CLASSIFICATION</b>	SILTY SAND WITH GRAVEL (SM)				



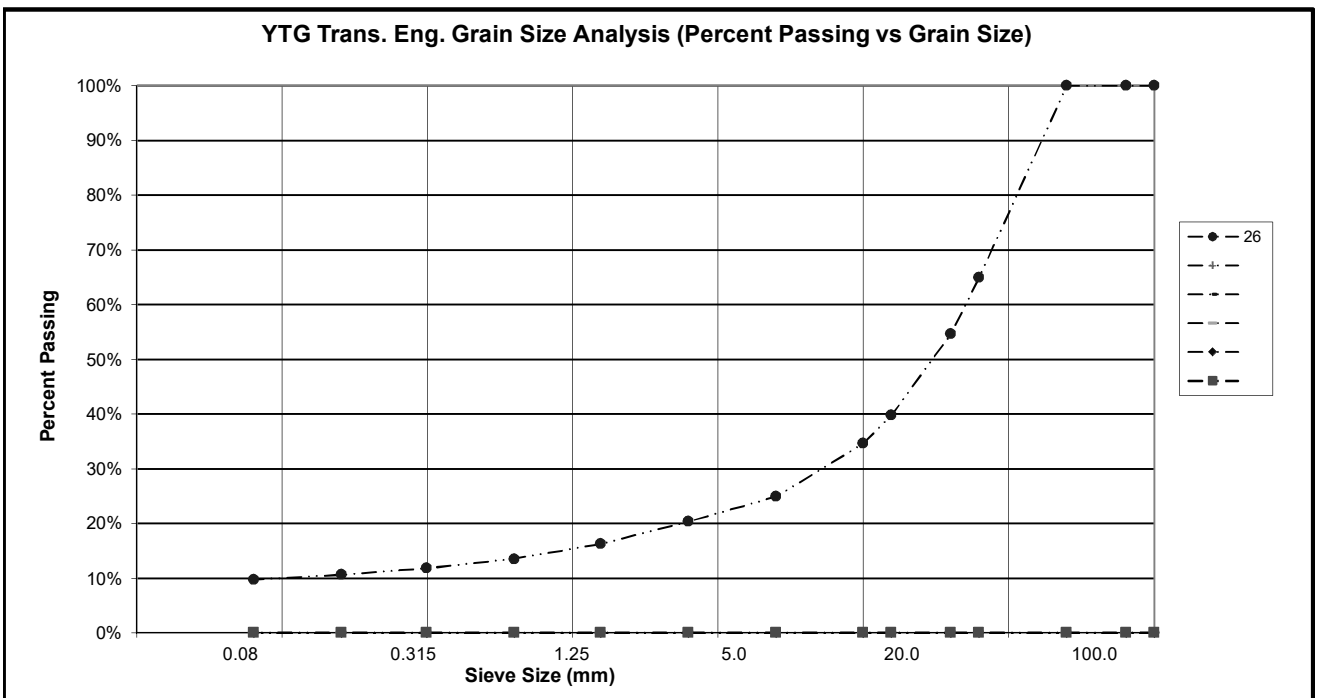
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 9

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	26				
<b>LAB NO.:</b>	180159				
<b>DEPTH:</b>	2575.3				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	65%				
20.0	55%				
12.5	40%				
10.0	35%				
5.0	25%				
2.5	20%				
1.25	16%				
0.630	14%				
0.315	12%				
0.160	11%				
0.080	10%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	75				
<b>% SAND:</b>	15				
<b>% FINES:</b>	10				
<b>CLASSIFICATION</b>	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)				



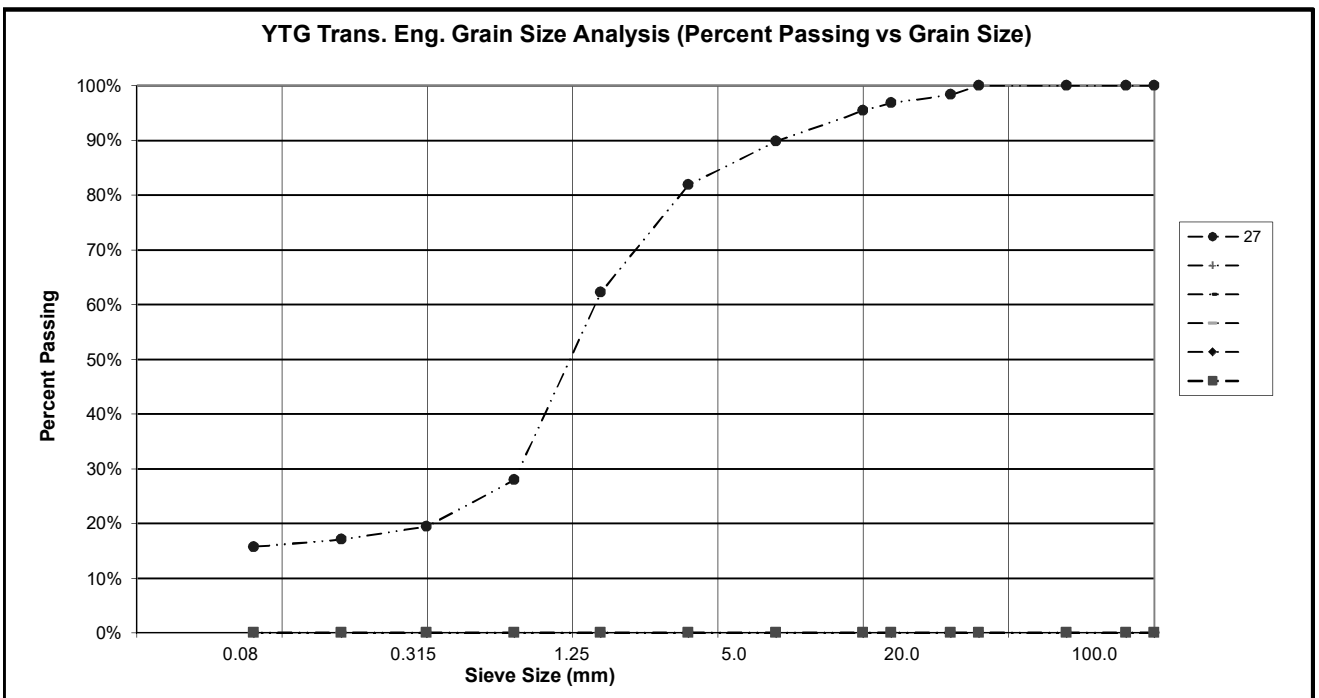
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 10B

DATE COMP: 1/0/1900

FIELD NO:	27				
LAB NO:	180160				
DEPTH:	1406.7				
TYPE:	AUGER	BULK			
SIEVE SIZE	PERCENT PASSING				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	98%				
12.5	97%				
10.0	95%				
5.0	90%				
2.5	82%				
1.25	62%				
0.630	28%				
0.315	19%				
0.160	17%				
0.080	16%				
M.C.(%):	0%				
LIQUID LIMIT:	0.0				
PLASTIC LIMIT:	0.0				
PLASTIC INDEX.:	0.0				
% GRAVEL:	10				
% SAND:	74				
% FINES:	16				
CLASSIFICATION	SILTY SAND (SM)				



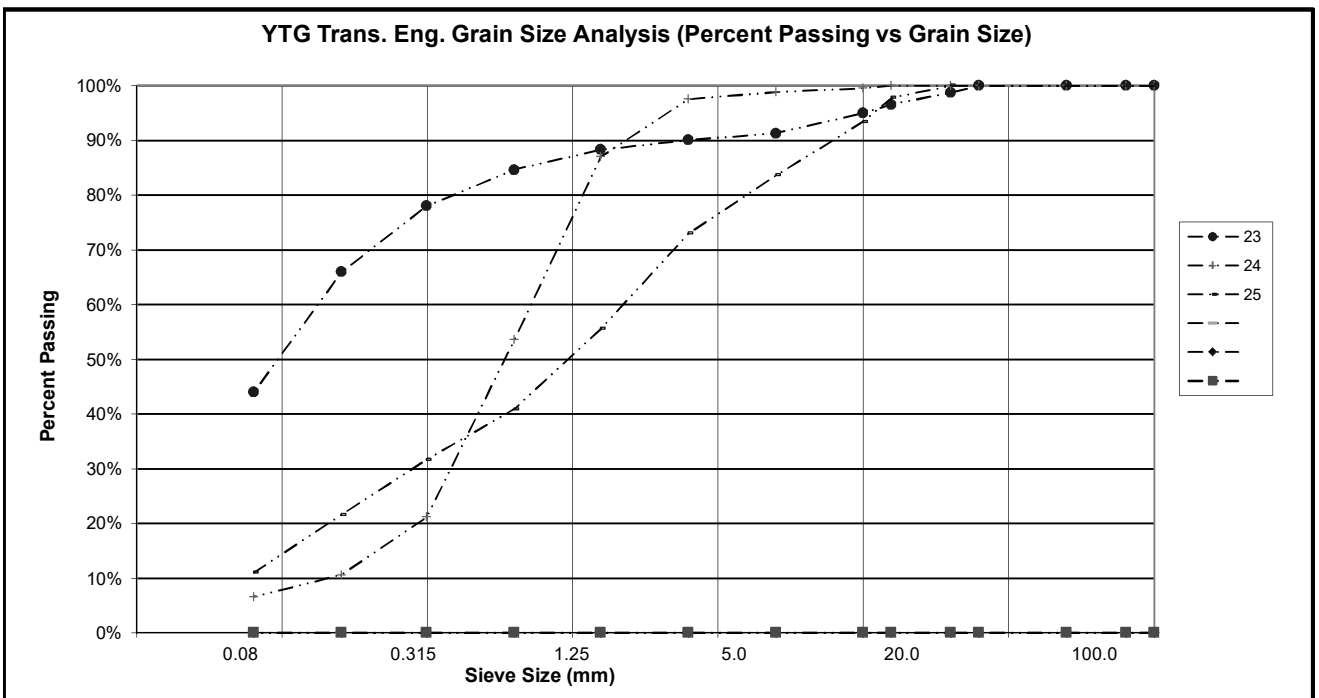
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 11

DATE COMP: 1/0/1900

FIELD NO:	23	24	25		
LAB NO:	180161	180162	180163		
DEPTH:	872.3	788.2	714.5		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	99%	100%	100%		
12.5	97%	100%	98%		
10.0	95%	100%	93%		
5.0	91%	99%	84%		
2.5	90%	98%	73%		
1.25	88%	87%	56%		
0.630	85%	54%	41%		
0.315	78%	21%	32%		
0.160	66%	11%	22%		
0.080	44%	7%	11%		
M.C.(%):	0%	0%	0%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	9	1	16		
% SAND:	47	92	73		
% FINES:	44	7	11		
CLASSIFICATION	SILTY SAND (SM)	WELL-GRADED SAND WITH SILT (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)		



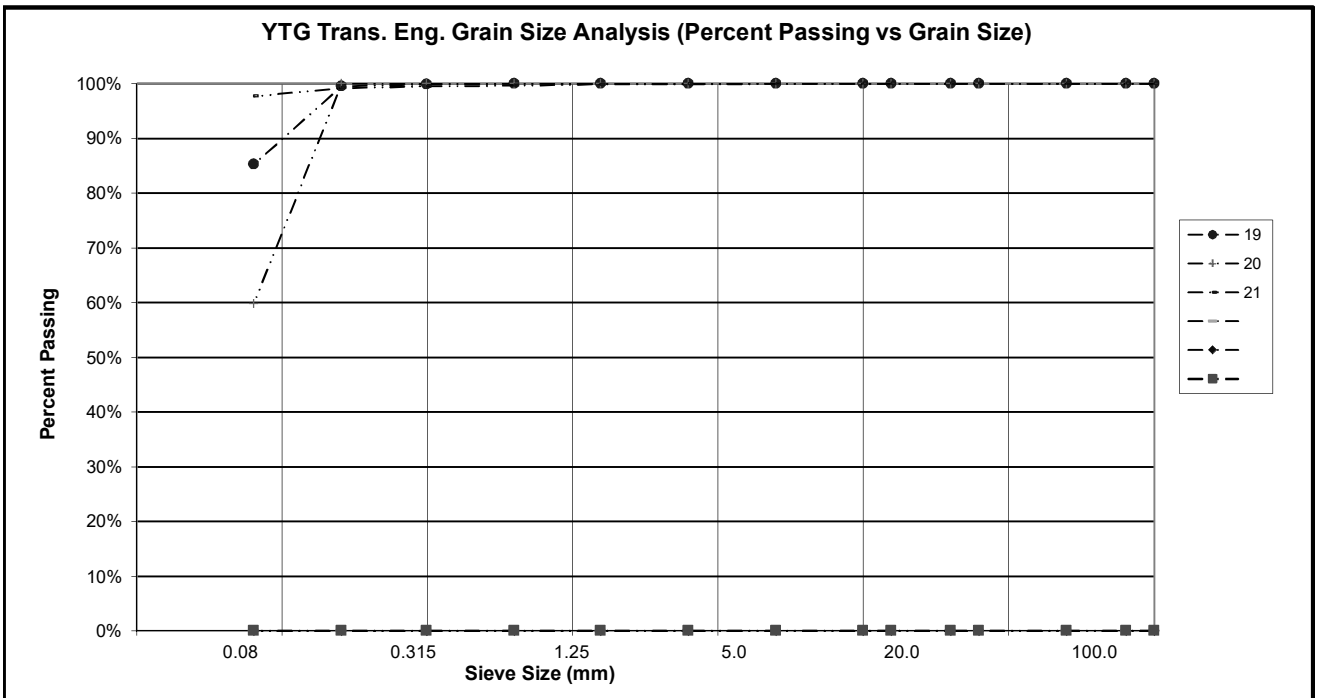
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 12

DATE COMP: 1/0/1900

FIELD NO:	19	20	21		
LAB NO:	180164	180165	180166		
DEPTH:	1077.5	1091.9	1284.6		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	100%	100%	100%		
12.5	100%	100%	100%		
10.0	100%	100%	100%		
5.0	100%	100%	100%		
2.5	100%	100%	100%		
1.25	100%	100%	100%		
0.630	100%	100%	100%		
0.315	100%	100%	99%		
0.160	100%	100%	99%		
0.080	85%	60%	98%		
M.C.(%)	0%	0%	0%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	0	0	0		
% SAND:	15	40	2		
% FINES:	85	60	98		
CLASSIFICATION	SILT (ML)	SANDY SILT (ML)	SILT (ML)		

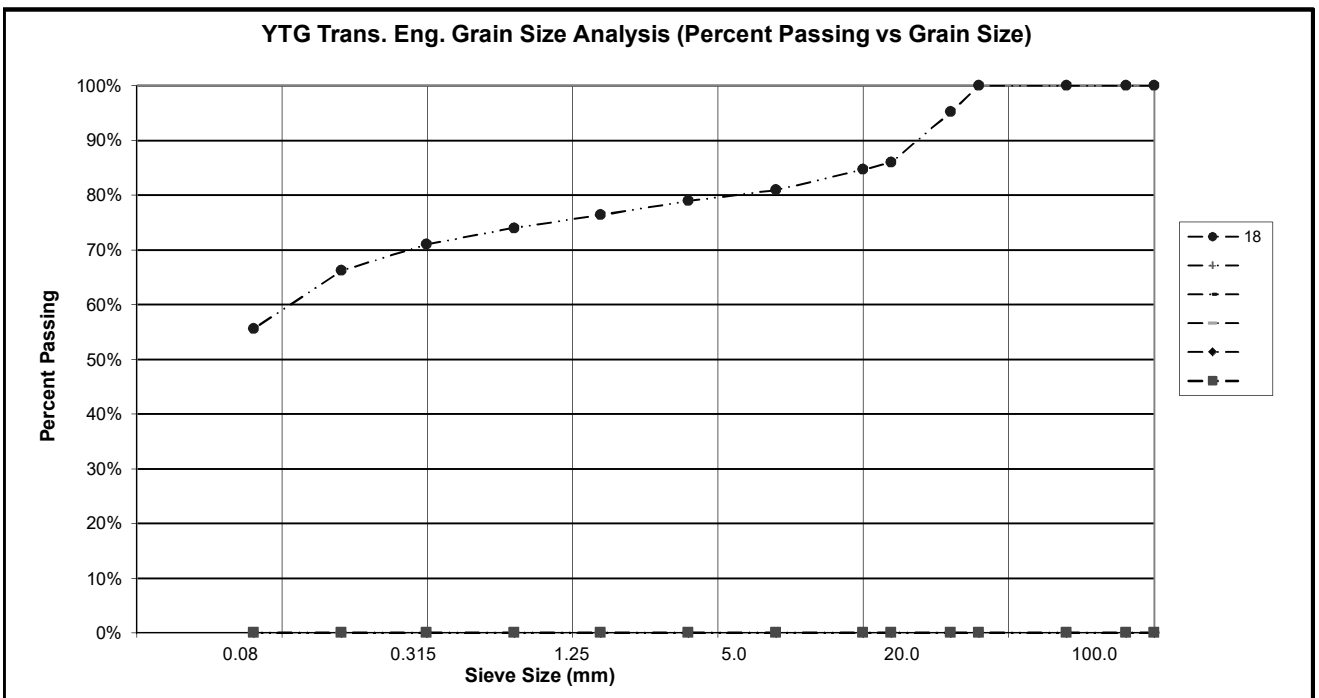


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 14

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	18				
<b>LAB NO.:</b>	180168				
<b>DEPTH:</b>	1181.3				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	95%				
12.5	86%				
10.0	85%				
5.0	81%				
2.5	79%				
1.25	76%				
0.630	74%				
0.315	71%				
0.160	66%				
0.080	56%				
<b>M.C.(%):</b>	1%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	19				
<b>% SAND:</b>	25				
<b>% FINES:</b>	56				
<b>CLASSIFICATION</b>	SANDY SILT WITH GRAVEL (ML)				

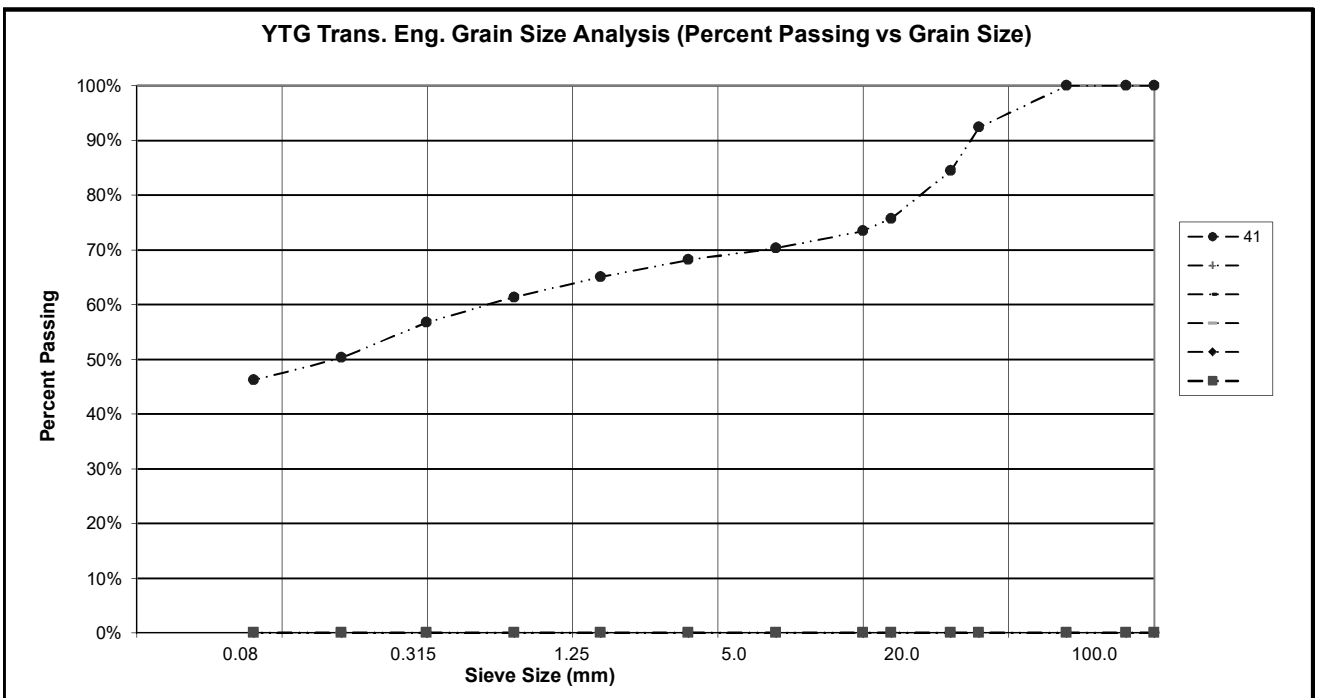


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 16

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	41				
<b>LAB NO.:</b>	180169				
<b>DEPTH:</b>	1050.4				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	92%				
20.0	84%				
12.5	76%				
10.0	73%				
5.0	70%				
2.5	68%				
1.25	65%				
0.630	61%				
0.315	57%				
0.160	50%				
0.080	46%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	30				
<b>% SAND:</b>	24				
<b>% FINES:</b>	46				
<b>CLASSIFICATION</b>	SILTY GRAVEL WITH SAND (GM)				

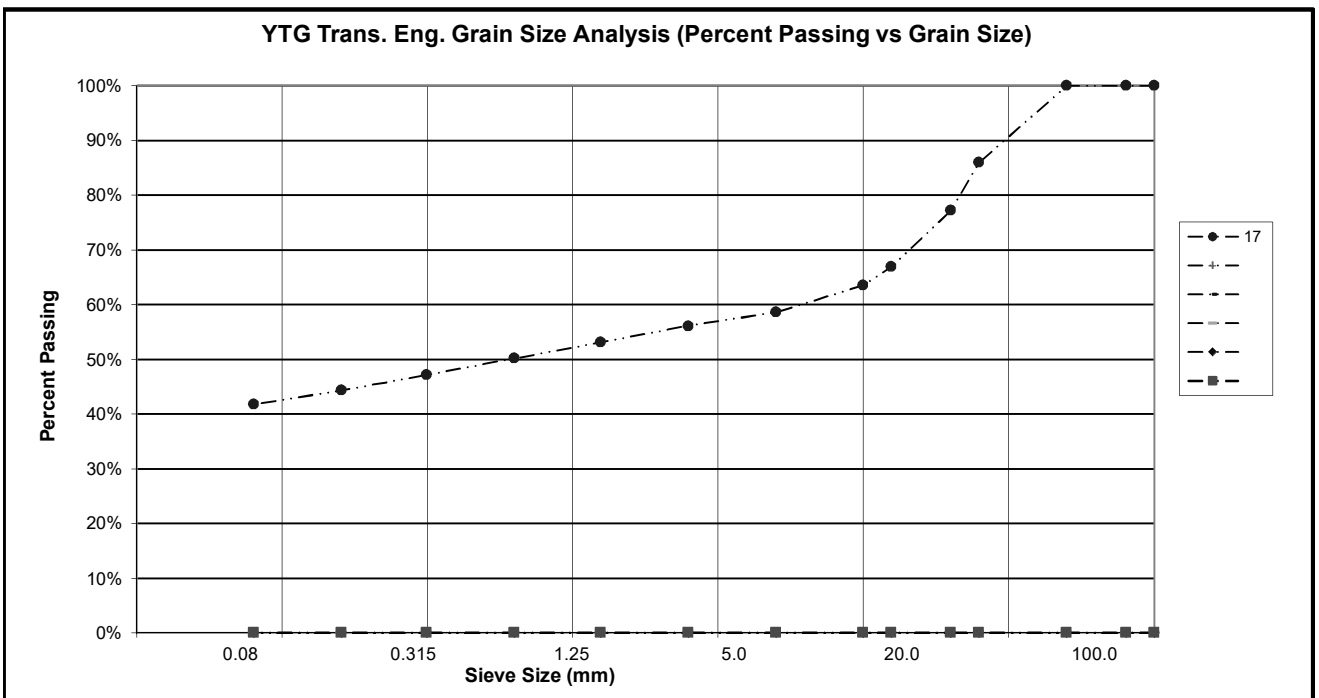


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 17

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	17				
<b>LAB NO.:</b>	180170				
<b>DEPTH:</b>	1779.5				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	86%				
20.0	77%				
12.5	67%				
10.0	64%				
5.0	59%				
2.5	56%				
1.25	53%				
0.630	50%				
0.315	47%				
0.160	44%				
0.080	42%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	41				
<b>% SAND:</b>	17				
<b>% FINES:</b>	42				
<b>CLASSIFICATION</b>	SILTY GRAVEL WITH SAND (GM)				



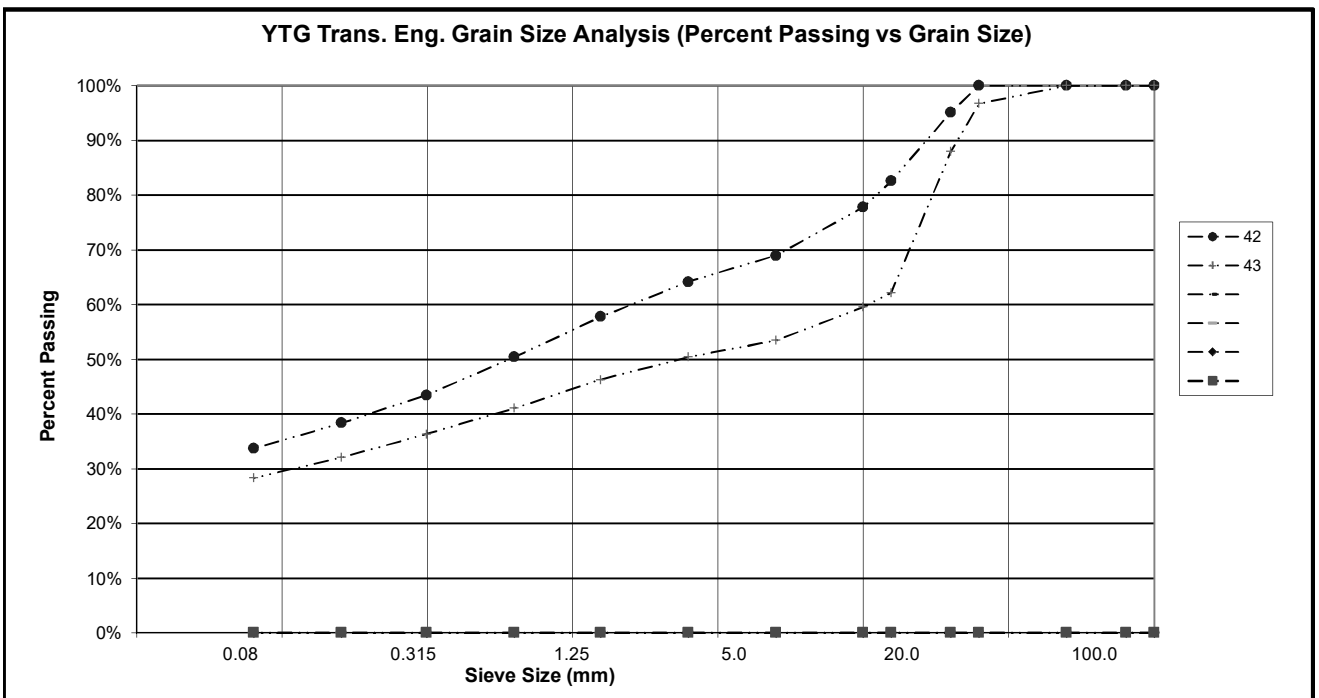
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 20

DATE COMP: 1/0/1900

FIELD NO:	42	43			
LAB NO:	180171	180172			
DEPTH:	1295.8	1151.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	97%			
20.0	95%	88%			
12.5	83%	62%			
10.0	78%	60%			
5.0	69%	54%			
2.5	64%	50%			
1.25	58%	46%			
0.630	50%	41%			
0.315	43%	36%			
0.160	38%	32%			
0.080	34%	28%			
M.C.(%):	0%	0%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	31	46			
% SAND:	35	25			
% FINES:	34	28			
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY GRAVEL WITH SAND (GM)			

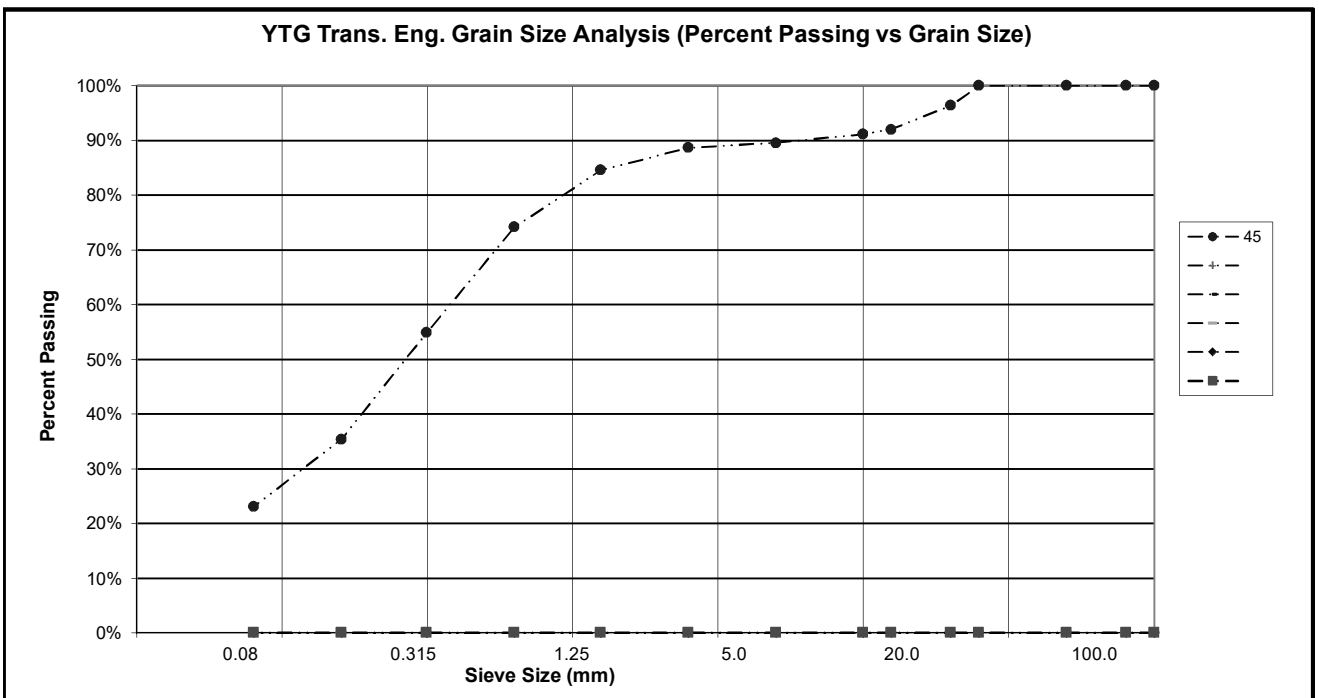


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 21

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	45				
<b>LAB NO.:</b>	180174				
<b>DEPTH:</b>	1309				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	96%				
12.5	92%				
10.0	91%				
5.0	90%				
2.5	89%				
1.25	85%				
0.630	74%				
0.315	55%				
0.160	35%				
0.080	23%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	10				
<b>% SAND:</b>	66				
<b>% FINES:</b>	23				
<b>CLASSIFICATION</b>	SILTY SAND (SM)				

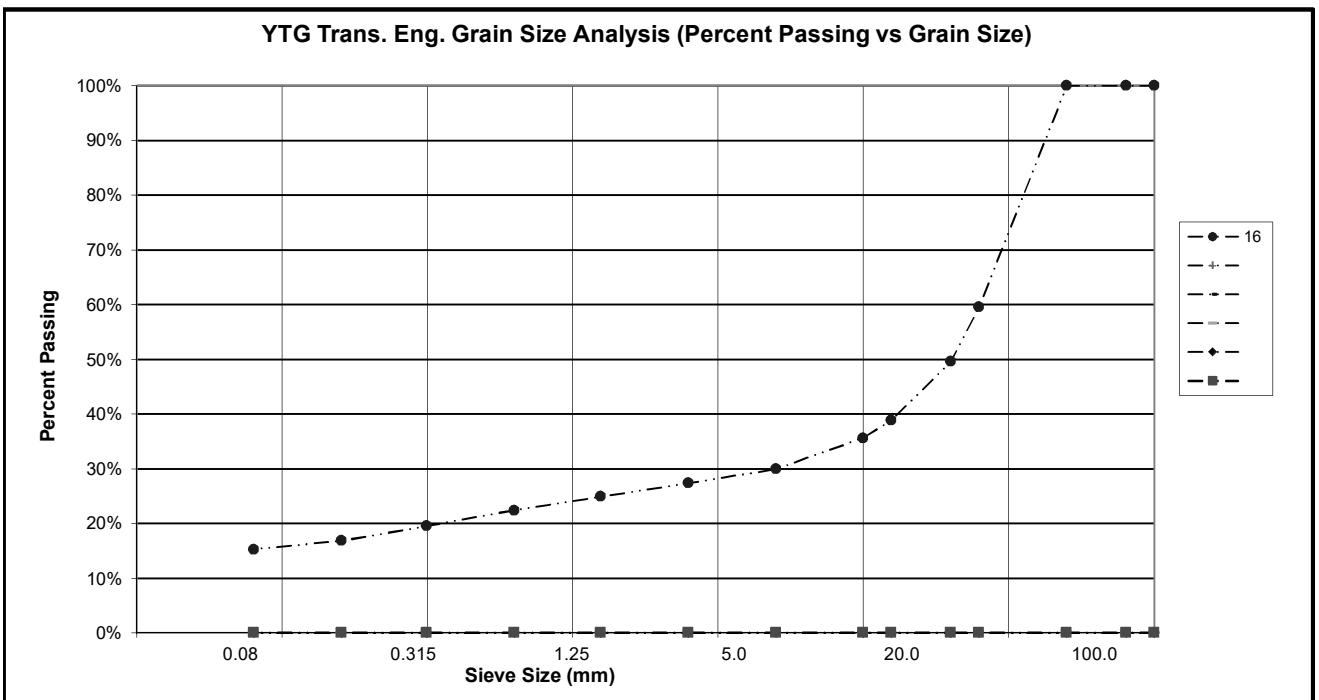


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 26B

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	16				
<b>LAB NO.:</b>	180176				
<b>DEPTH:</b>	1677				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	60%				
20.0	50%				
12.5	39%				
10.0	36%				
5.0	30%				
2.5	27%				
1.25	25%				
0.630	22%				
0.315	20%				
0.160	17%				
0.080	15%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	70				
<b>% SAND:</b>	15				
<b>% FINES:</b>	15				
<b>CLASSIFICATION</b>	SILTY GRAVEL (GM)				

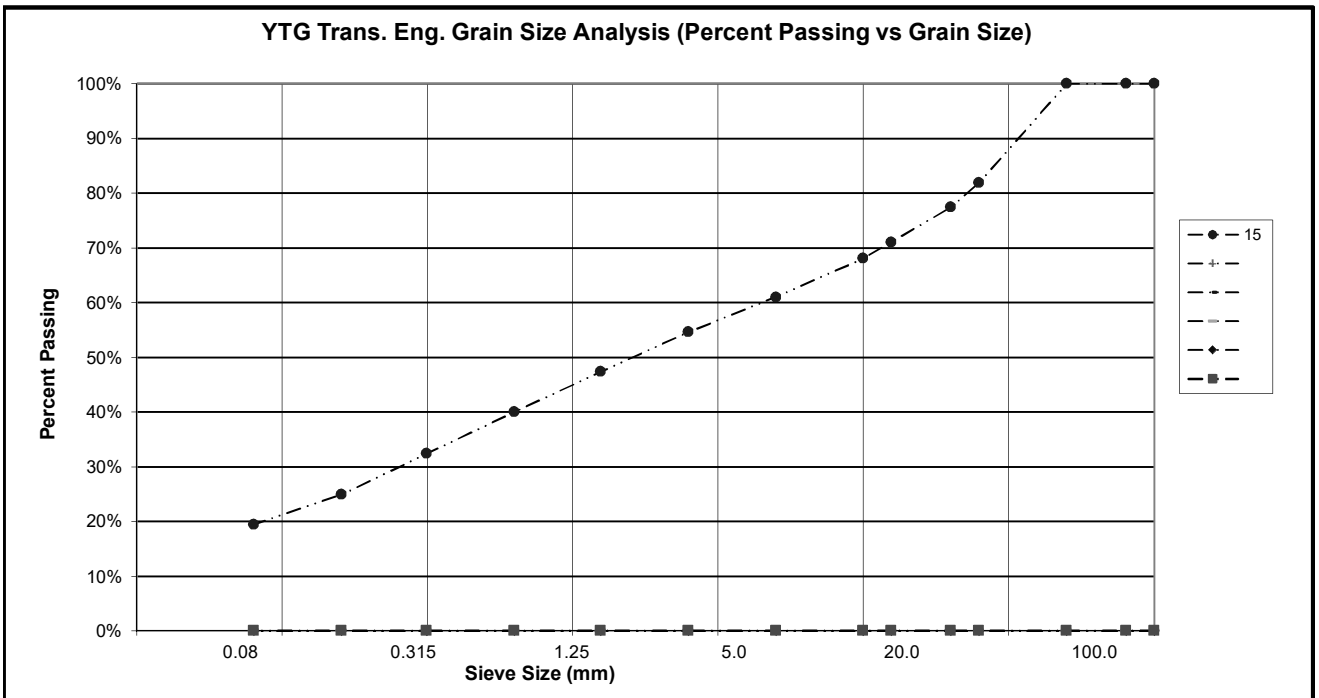


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 29

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	15				
<b>LAB NO.:</b>	180177				
<b>DEPTH:</b>	1890.4				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	82%				
20.0	77%				
12.5	71%				
10.0	68%				
5.0	61%				
2.5	55%				
1.25	47%				
0.630	40%				
0.315	32%				
0.160	25%				
0.080	20%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	39				
<b>% SAND:</b>	42				
<b>% FINES:</b>	20				
<b>CLASSIFICATION</b>	SILTY SAND WITH GRAVEL (SM)				

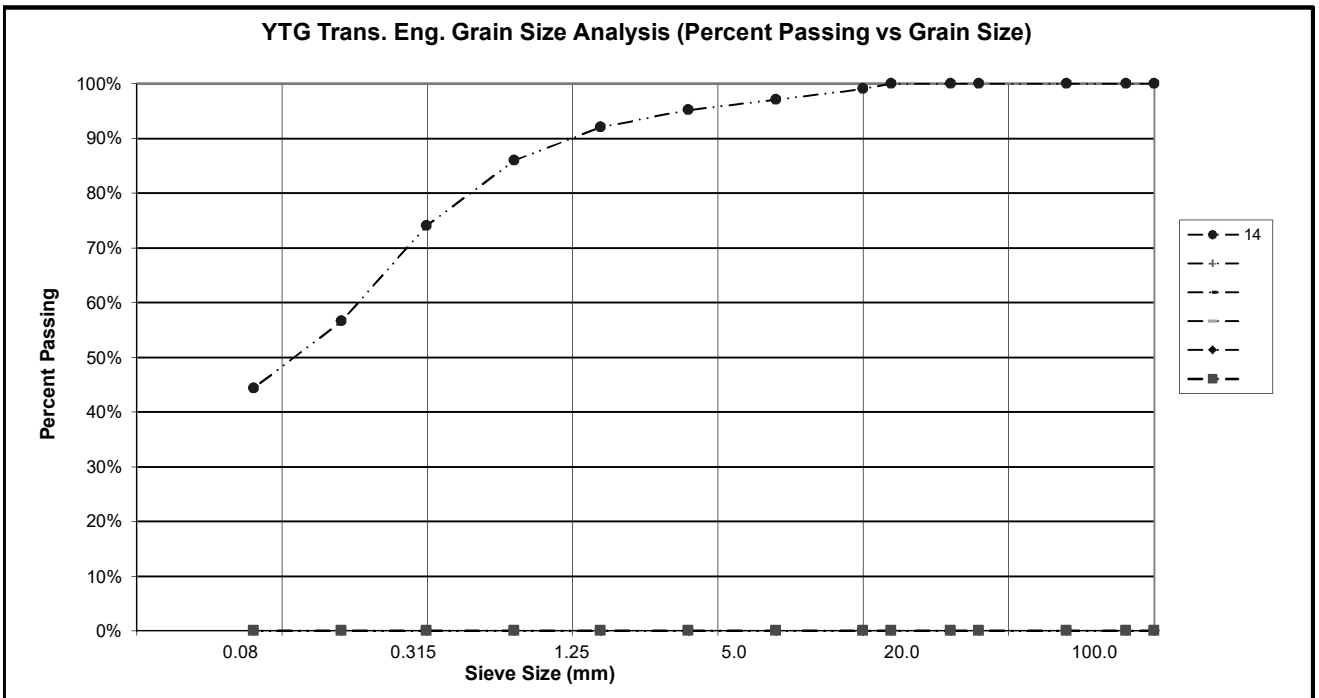


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 30

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	14				
<b>LAB NO.:</b>	180178				
<b>DEPTH:</b>	1310.5				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	100%				
12.5	100%				
10.0	99%				
5.0	97%				
2.5	95%				
1.25	92%				
0.630	86%				
0.315	74%				
0.160	57%				
0.080	44%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	3				
<b>% SAND:</b>	53				
<b>% FINES:</b>	44				
<b>CLASSIFICATION</b>	SILTY SAND (SM)				



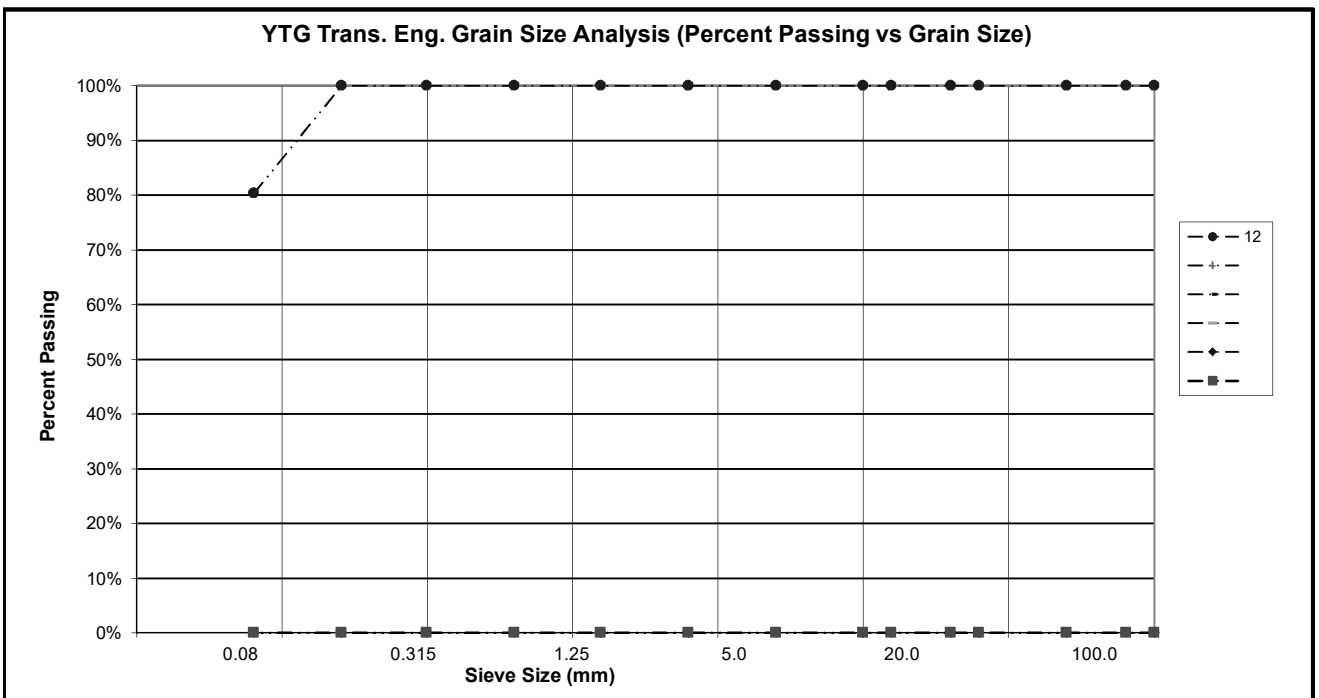
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 31

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	12				
<b>LAB NO.:</b>	180179				
<b>DEPTH:</b>	898.1				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	100%				
12.5	100%				
10.0	100%				
5.0	100%				
2.5	100%				
1.25	100%				
0.630	100%				
0.315	100%				
0.160	100%				
0.080	80%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	0				
<b>% SAND:</b>	20				
<b>% FINES:</b>	80				
<b>CLASSIFICATION</b>	SILT WITH SAND (ML)				



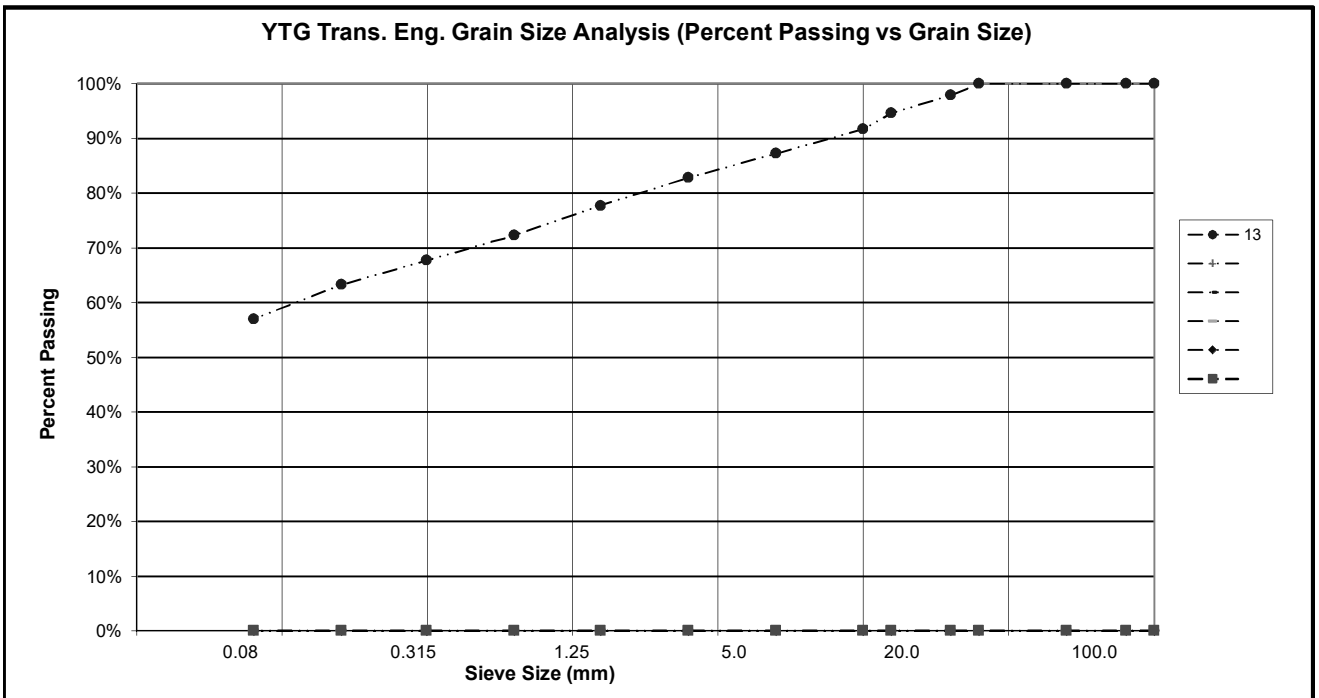
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 31B

DATE COMP: 1/0/1900

FIELD NO:	13				
LAB NO:	180180				
DEPTH:	896				
TYPE:	AUGER	BULK			
SIEVE SIZE	PERCENT PASSING				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	98%				
12.5	95%				
10.0	92%				
5.0	87%				
2.5	83%				
1.25	78%				
0.630	72%				
0.315	68%				
0.160	63%				
0.080	57%				
M.C.(%):	0%				
LIQUID LIMIT:	0.0				
PLASTIC LIMIT:	0.0				
PLASTIC INDEX.:	0.0				
% GRAVEL:	13				
% SAND:	30				
% FINES:	57				
CLASSIFICATION	SANDY SILT (ML)				

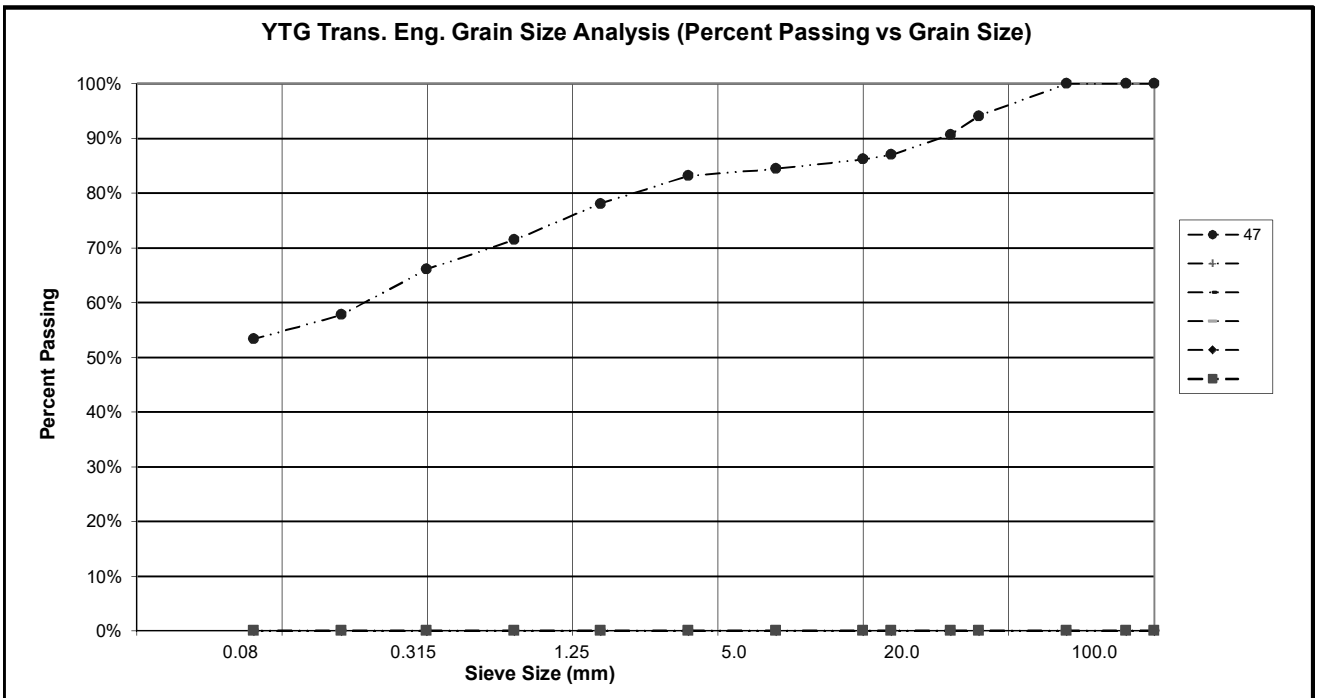


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 32

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	47				
<b>LAB NO.:</b>	180181				
<b>DEPTH:</b>	552				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	94%				
20.0	91%				
12.5	87%				
10.0	86%				
5.0	84%				
2.5	83%				
1.25	78%				
0.630	71%				
0.315	66%				
0.160	58%				
0.080	53%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	16				
<b>% SAND:</b>	31				
<b>% FINES:</b>	53				
<b>CLASSIFICATION</b>	SANDY SILT WITH GRAVEL (ML)				

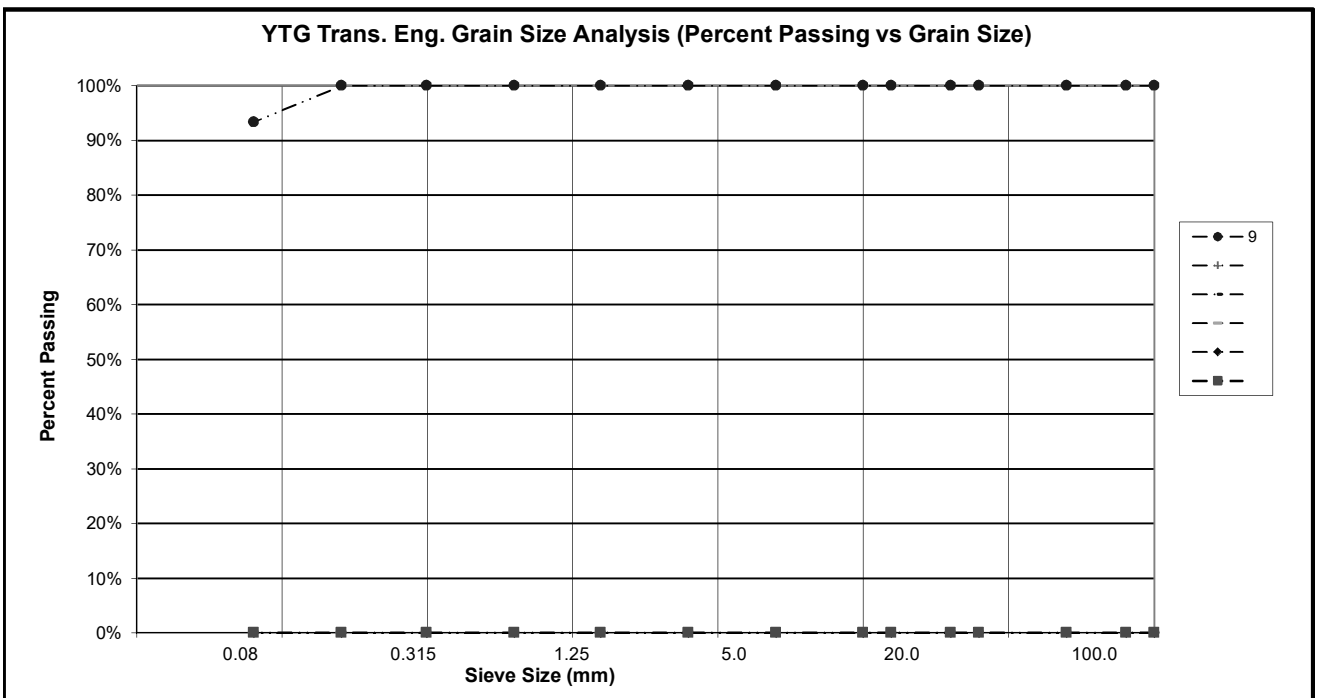


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 34

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	9				
<b>LAB NO.:</b>	180182				
<b>DEPTH:</b>	1129.7				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	100%				
12.5	100%				
10.0	100%				
5.0	100%				
2.5	100%				
1.25	100%				
0.630	100%				
0.315	100%				
0.160	100%				
0.080	93%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	0				
<b>% SAND:</b>	7				
<b>% FINES:</b>	93				
<b>CLASSIFICATION</b>	SILT (ML)				

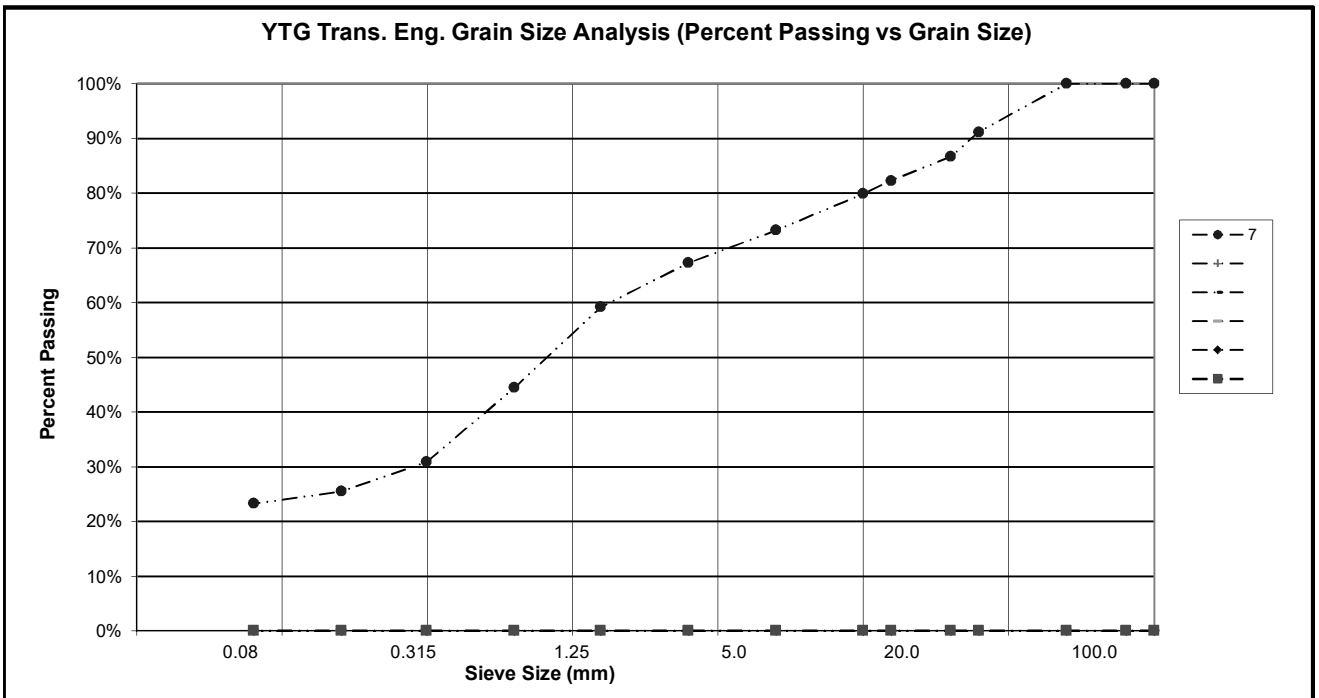


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 35

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	7				
<b>LAB NO.:</b>	180185				
<b>DEPTH:</b>	1182				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	91%				
20.0	87%				
12.5	82%				
10.0	80%				
5.0	73%				
2.5	67%				
1.25	59%				
0.630	44%				
0.315	31%				
0.160	26%				
0.080	23%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	27				
<b>% SAND:</b>	50				
<b>% FINES:</b>	23				
<b>CLASSIFICATION</b>	SILTY SAND WITH GRAVEL (SM)				

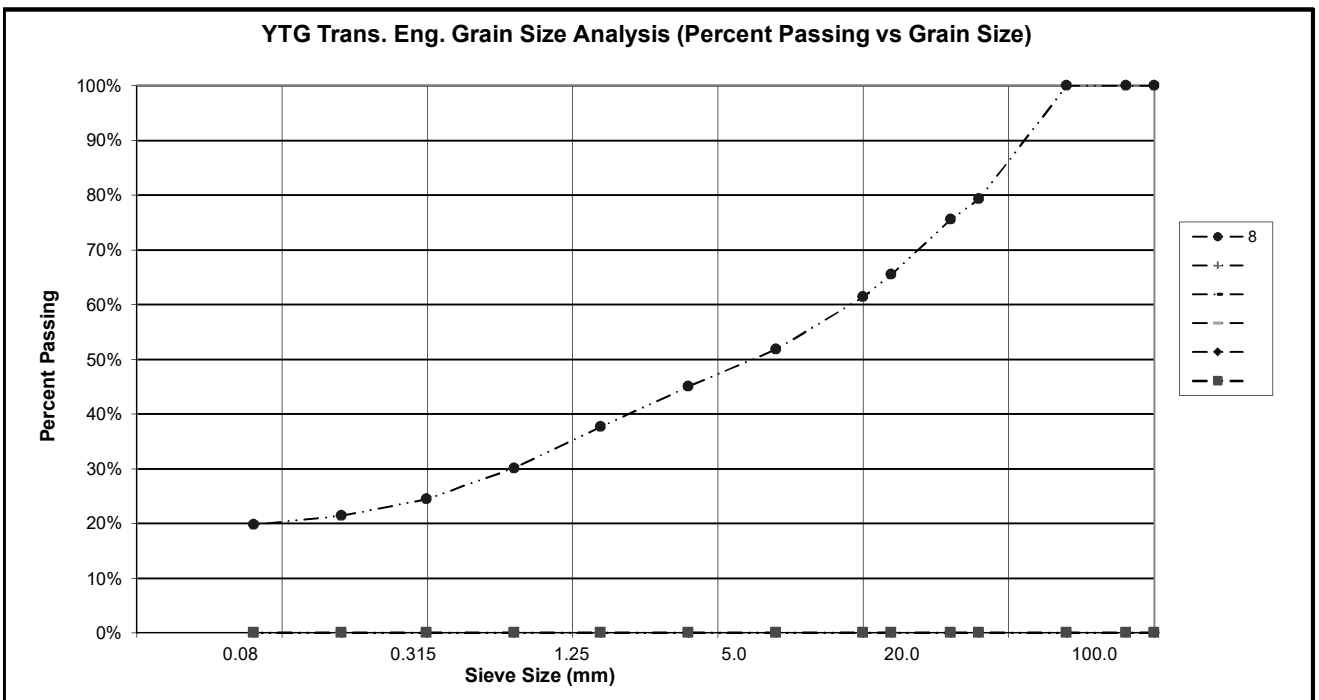


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 35

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	8				
<b>LAB NO.:</b>	180186				
<b>DEPTH:</b>	2670.4				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	79%				
20.0	76%				
12.5	66%				
10.0	61%				
5.0	52%				
2.5	45%				
1.25	38%				
0.630	30%				
0.315	25%				
0.160	21%				
0.080	20%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	48				
<b>% SAND:</b>	32				
<b>% FINES:</b>	20				
<b>CLASSIFICATION</b>	SILTY GRAVEL WITH SAND (GM)				



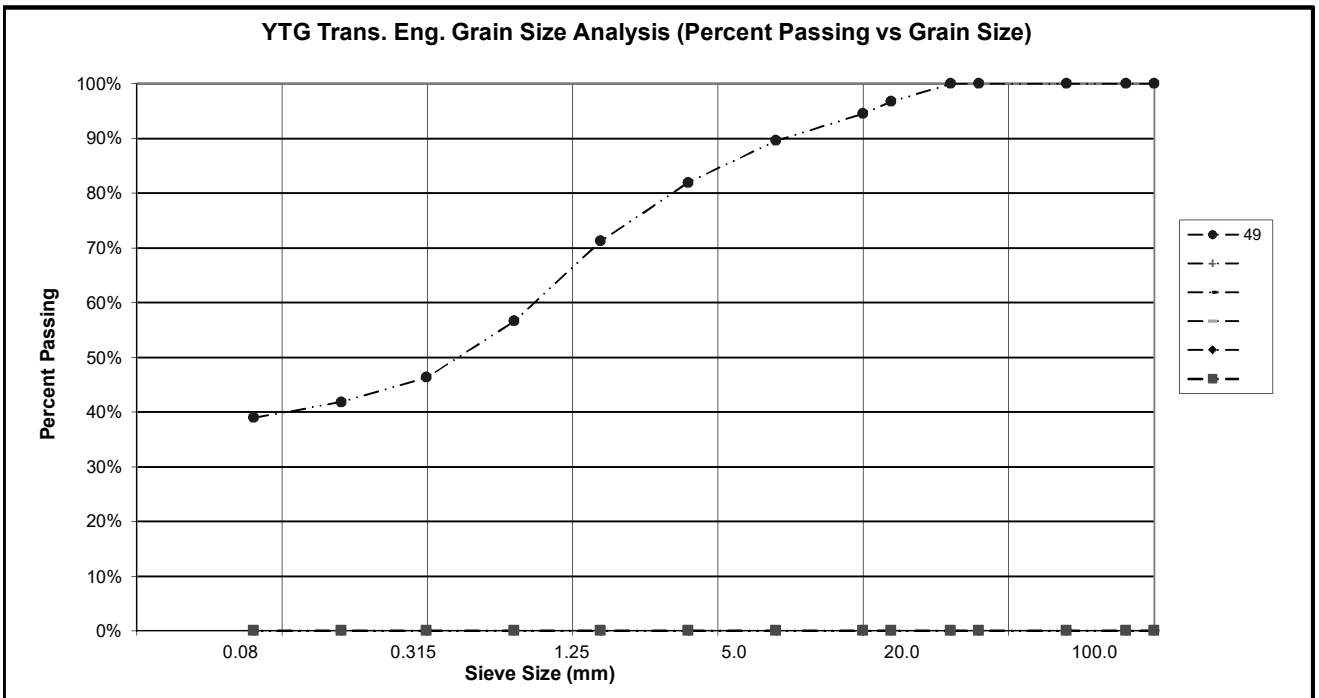
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 38

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	49				
<b>LAB NO.:</b>	180188				
<b>DEPTH:</b>	1005.4				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	100%				
12.5	97%				
10.0	95%				
5.0	90%				
2.5	82%				
1.25	71%				
0.630	57%				
0.315	46%				
0.160	42%				
0.080	39%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	10				
<b>% SAND:</b>	51				
<b>% FINES:</b>	39				
<b>CLASSIFICATION</b>	SILTY SAND (SM)				



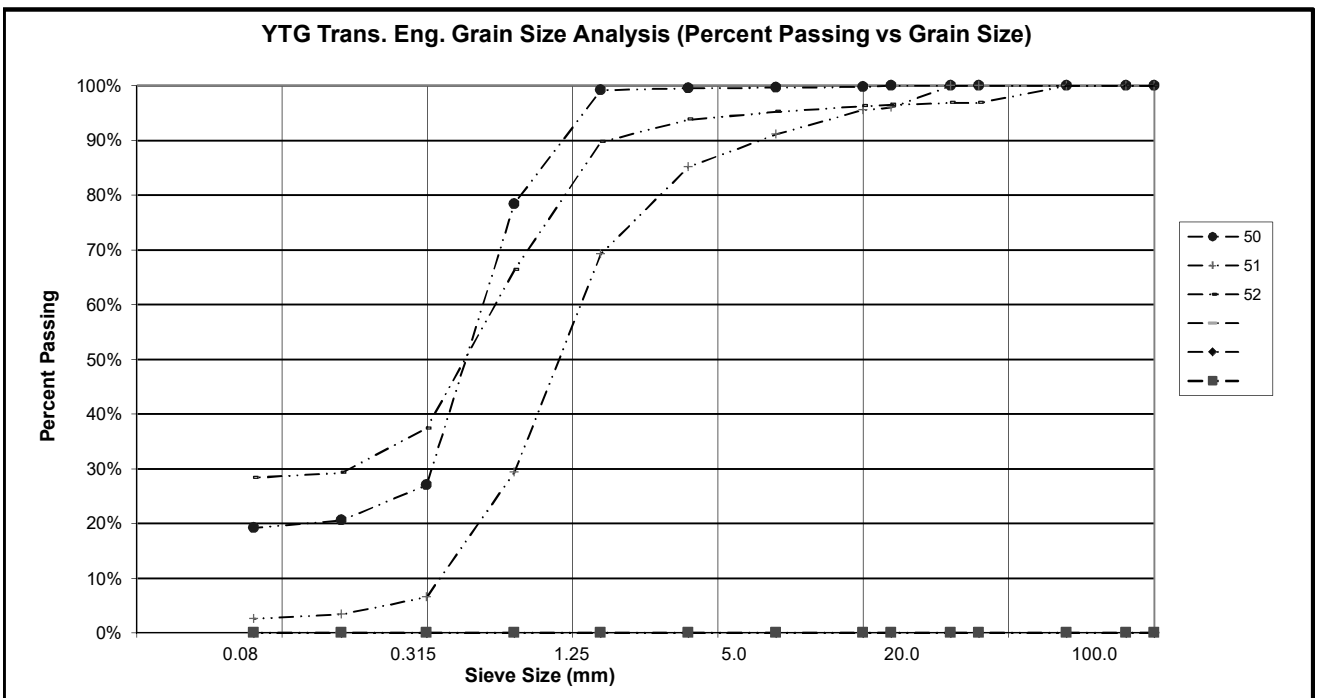
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 39

DATE COMP: 1/0/1900

FIELD NO:	50	51	52		
LAB NO:	180189	180190	180191		
DEPTH:	1064.1	1213.8	1213.8		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	97%		
20.0	100%	100%	97%		
12.5	100%	96%	97%		
10.0	100%	96%	96%		
5.0	100%	91%	95%		
2.5	100%	85%	94%		
1.25	99%	69%	90%		
0.630	78%	29%	66%		
0.315	27%	7%	37%		
0.160	21%	3%	29%		
0.080	19%	3%	28%		
M.C.(%):	0%	0%	0%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	0	9	5		
% SAND:	80	89	67		
% FINES:	19	3	28		
CLASSIFICATION	SILTY SAND (SM)	POORLY GRADED SAND (SP)	SILTY SAND (SM)		



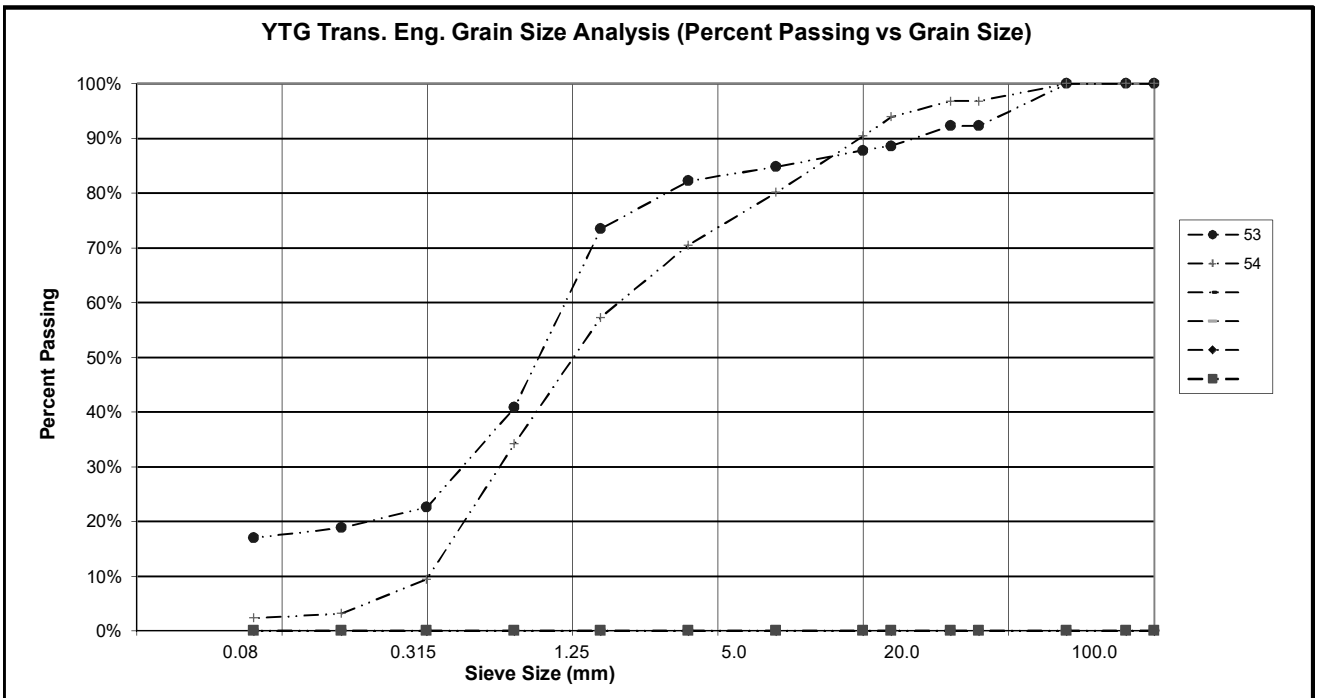
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 40

DATE COMP: 1/0/1900

FIELD NO:	53	54			
LAB NO:	180192	180193			
DEPTH:	1348.3	1288.2			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	92%	97%			
20.0	92%	97%			
12.5	89%	94%			
10.0	88%	90%			
5.0	85%	80%			
2.5	82%	70%			
1.25	73%	57%			
0.630	41%	34%			
0.315	23%	9%			
0.160	19%	3%			
0.080	17%	2%			
M.C.(%):	0%	0%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	15	20			
% SAND:	68	78			
% FINES:	17	2			
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	POORLY GRADED SAND WITH GRAVEL (SP)			

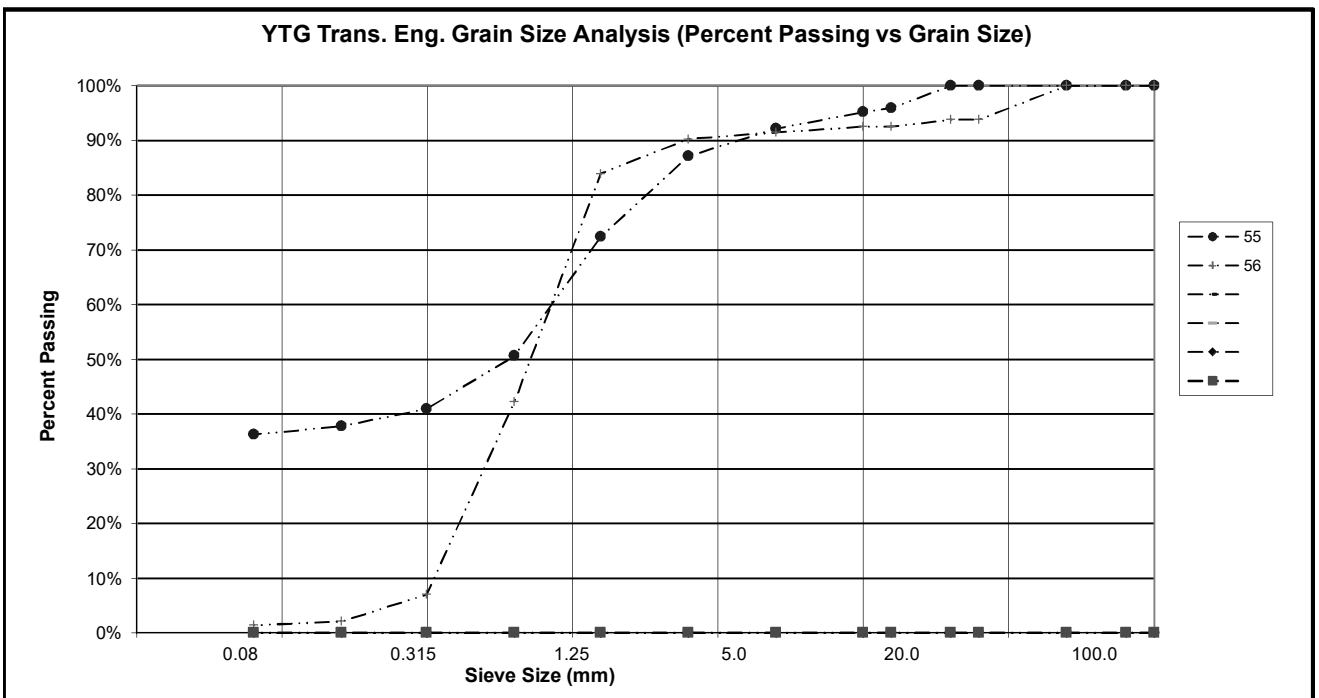


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 41

DATE COMP: 1/0/1900

FIELD NO:	55	56			
LAB NO:	180194	180195			
DEPTH:	602.7	1329.8			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	94%			
20.0	100%	94%			
12.5	96%	93%			
10.0	95%	93%			
5.0	92%	91%			
2.5	87%	90%			
1.25	72%	84%			
0.630	51%	42%			
0.315	41%	7%			
0.160	38%	2%			
0.080	36%	1%			
M.C.(%):	0%	0%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	8	9			
% SAND:	56	90			
% FINES:	36	1			
CLASSIFICATION	SILTY SAND (SM)	POORLY GRADED SAND (SP)			

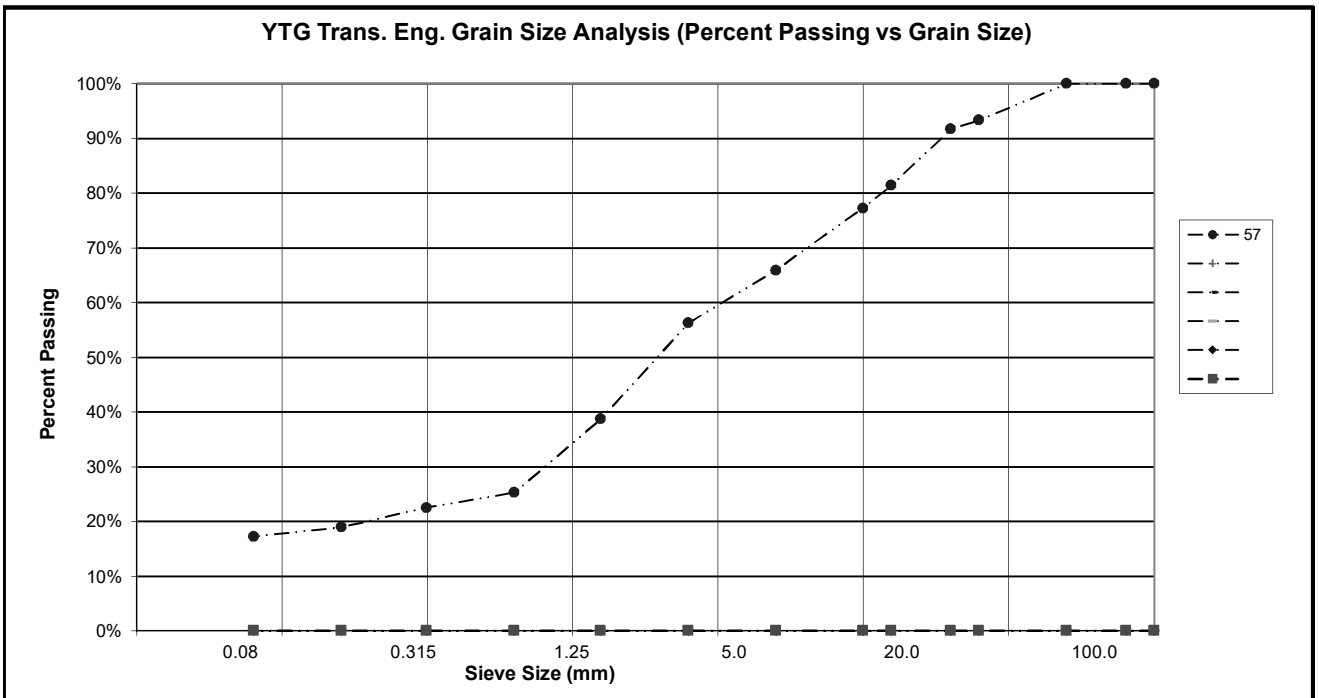


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 42

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	57				
<b>LAB NO.:</b>	180196				
<b>DEPTH:</b>	1232.1				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	93%				
20.0	92%				
12.5	81%				
10.0	77%				
5.0	66%				
2.5	56%				
1.25	39%				
0.630	25%				
0.315	23%				
0.160	19%				
0.080	17%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	34				
<b>% SAND:</b>	49				
<b>% FINES:</b>	17				
<b>CLASSIFICATION</b>	SILTY SAND WITH GRAVEL (SM)				

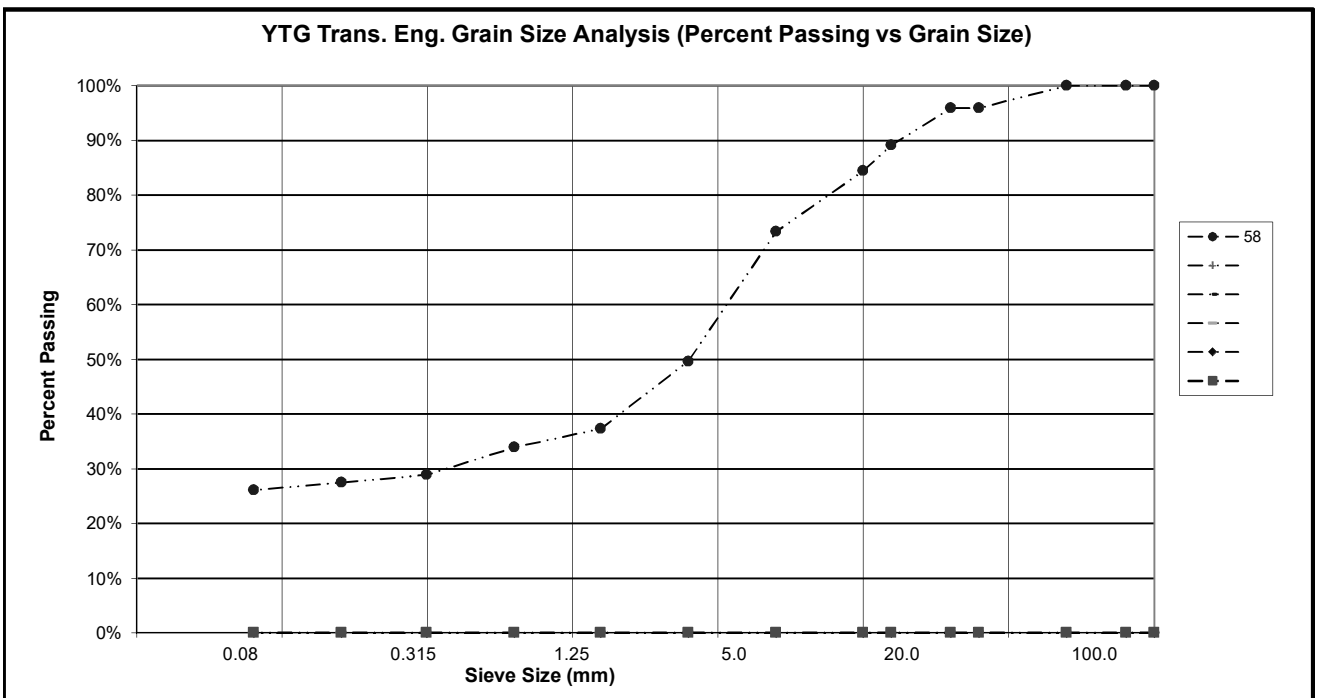


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 43

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	58				
<b>LAB NO.:</b>	180197				
<b>DEPTH:</b>	775.4				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	96%				
20.0	96%				
12.5	89%				
10.0	84%				
5.0	73%				
2.5	50%				
1.25	37%				
0.630	34%				
0.315	29%				
0.160	28%				
0.080	26%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	27				
<b>% SAND:</b>	47				
<b>% FINES:</b>	26				
<b>CLASSIFICATION</b>	SILTY SAND WITH GRAVEL (SM)				

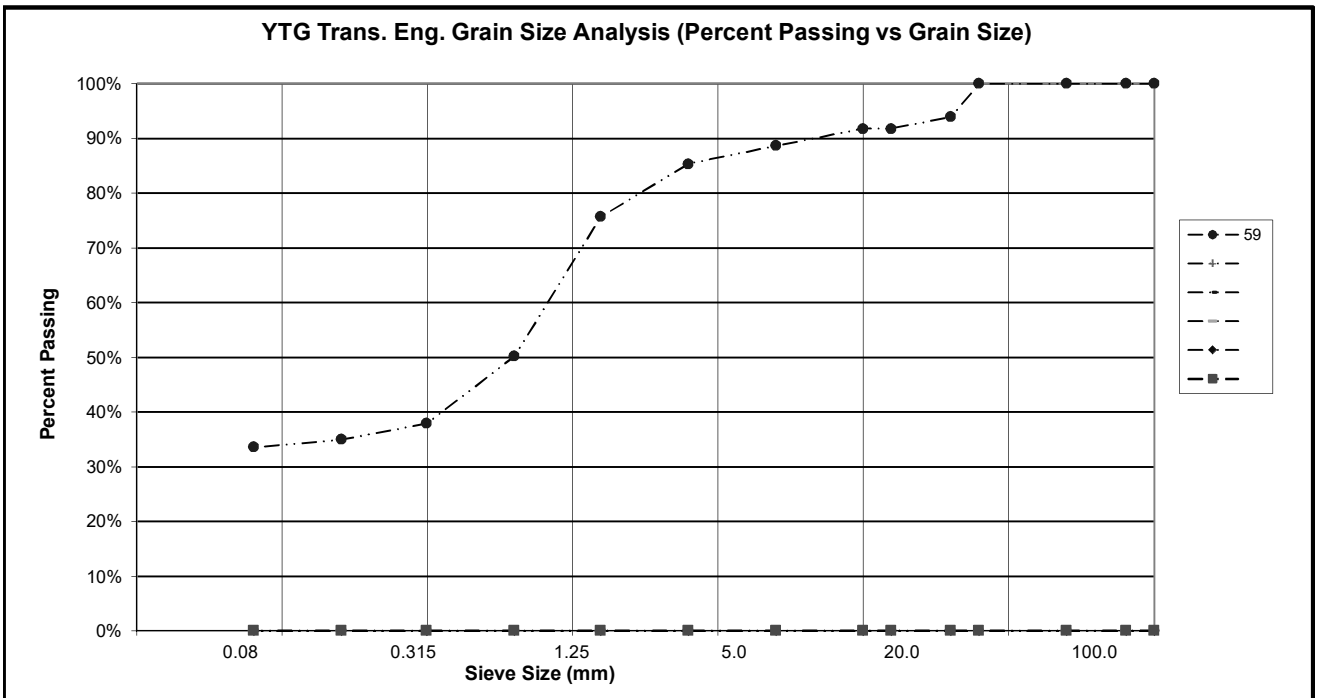


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 44

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	59				
<b>LAB NO.:</b>	180198				
<b>DEPTH:</b>	782.4				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	94%				
12.5	92%				
10.0	92%				
5.0	89%				
2.5	85%				
1.25	76%				
0.630	50%				
0.315	38%				
0.160	35%				
0.080	34%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	11				
<b>% SAND:</b>	55				
<b>% FINES:</b>	34				
<b>CLASSIFICATION</b>	SILTY SAND (SM)				



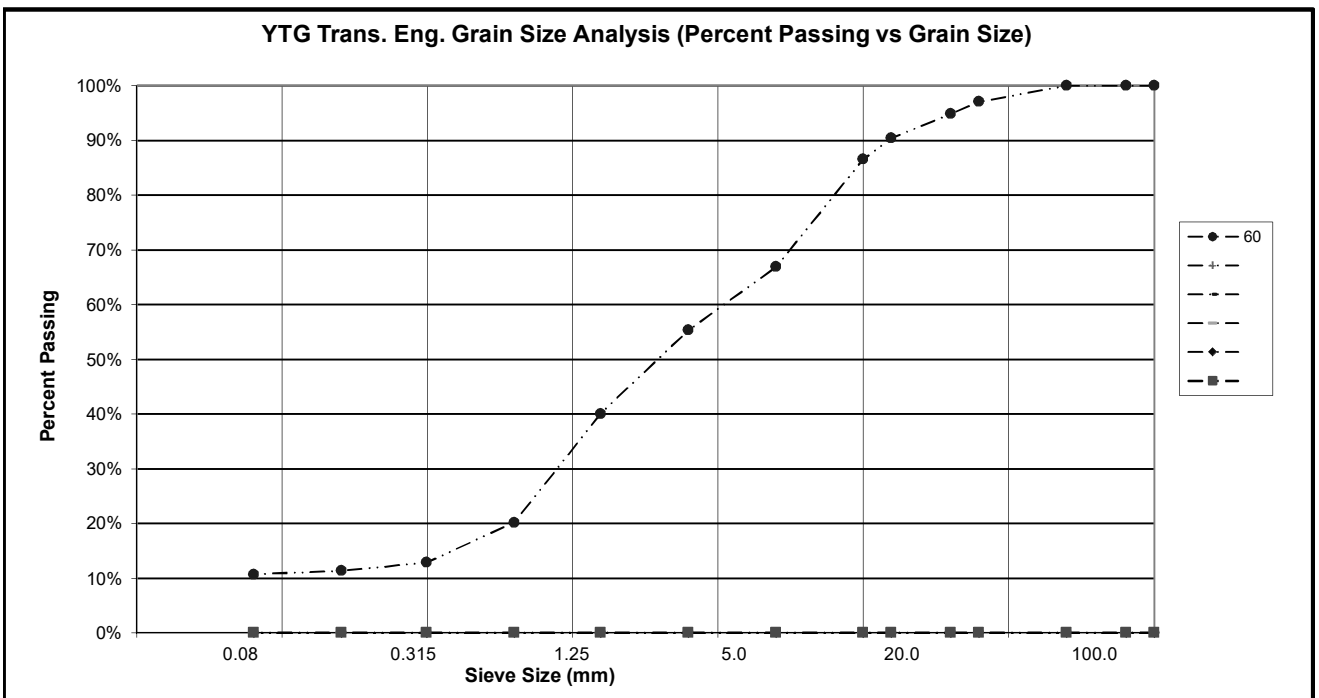
Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 44B

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	60				
<b>LAB NO.:</b>	180199				
<b>DEPTH:</b>	1425.8				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	97%				
20.0	95%				
12.5	90%				
10.0	87%				
5.0	67%				
2.5	55%				
1.25	40%				
0.630	20%				
0.315	13%				
0.160	11%				
0.080	11%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	33				
<b>% SAND:</b>	56				
<b>% FINES:</b>	11				
<b>CLASSIFICATION</b>	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)				

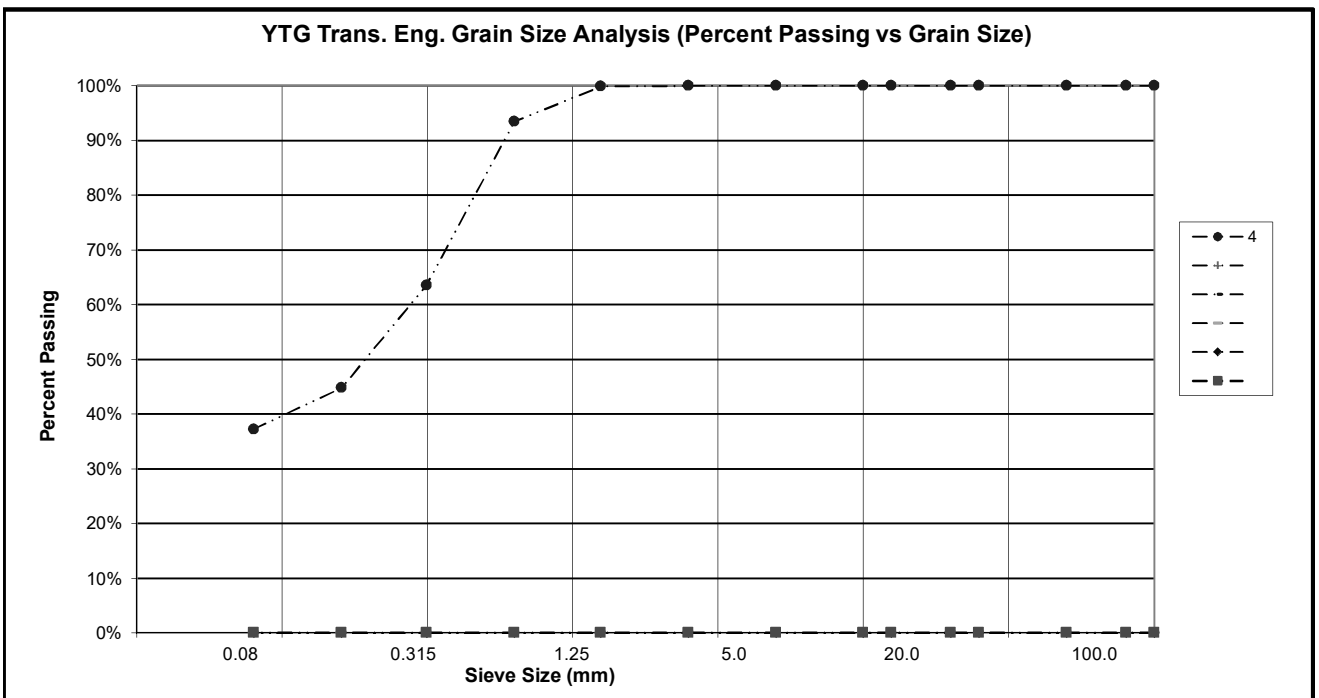


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 45

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	4				
<b>LAB NO.:</b>	180200				
<b>DEPTH:</b>	941.1				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	100%				
12.5	100%				
10.0	100%				
5.0	100%				
2.5	100%				
1.25	100%				
0.630	93%				
0.315	64%				
0.160	45%				
0.080	37%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	0				
<b>% SAND:</b>	63				
<b>% FINES:</b>	37				
<b>CLASSIFICATION</b>	SILTY SAND (SM)				

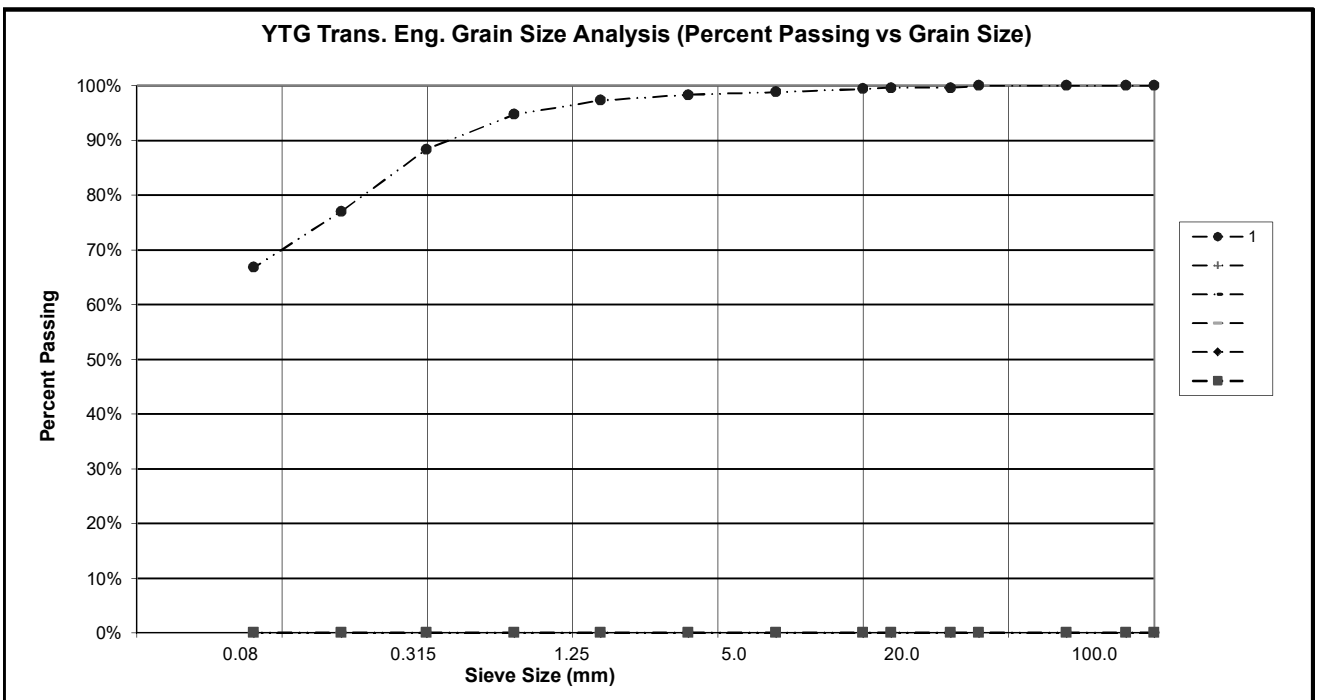


PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 46

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	1				
<b>LAB NO.:</b>	180203				
<b>DEPTH:</b>	1666.2				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	100%				
12.5	100%				
10.0	99%				
5.0	99%				
2.5	98%				
1.25	97%				
0.630	95%				
0.315	88%				
0.160	77%				
0.080	67%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	1				
<b>% SAND:</b>	32				
<b>% FINES:</b>	67				
<b>CLASSIFICATION</b>	SANDY SILT (ML)				



Master Revised Apr. 2004

PROJECT NUMBER: 552-202199-3960-0309-8  
 CLIENT: Transportation Engineering  
 PROJECT NAME: Freegold & Carmacks Bypass  
 PROJECT LOCATION: Freegold Road # 309  
 DRILL UNIT: D.Lorenzi/G.Kennedy  
 HOLE LOCATION: See Plan / GPS  
 LOGGED BY: #REF!

HOLE No.: 46B

DATE COMP: 1/0/1900

<b>FIELD NO.:</b>	2				
<b>LAB NO.:</b>	180205				
<b>DEPTH:</b>	1249.2				
<b>TYPE:</b>	AUGER	BULK			
<b>SIEVE SIZE</b>	<b>PERCENT PASSING</b>				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	100%				
12.5	100%				
10.0	100%				
5.0	100%				
2.5	99%				
1.25	99%				
0.630	98%				
0.315	93%				
0.160	81%				
0.080	71%				
<b>M.C.(%):</b>	0%				
<b>LIQUID LIMIT:</b>	0.0				
<b>PLASTIC LIMIT:</b>	0.0				
<b>PLASTIC INDEX.:</b>	0.0				
<b>% GRAVEL:</b>	0				
<b>% SAND:</b>	29				
<b>% FINES:</b>	71				
<b>CLASSIFICATION</b>	SILT WITH SAND (ML)				

