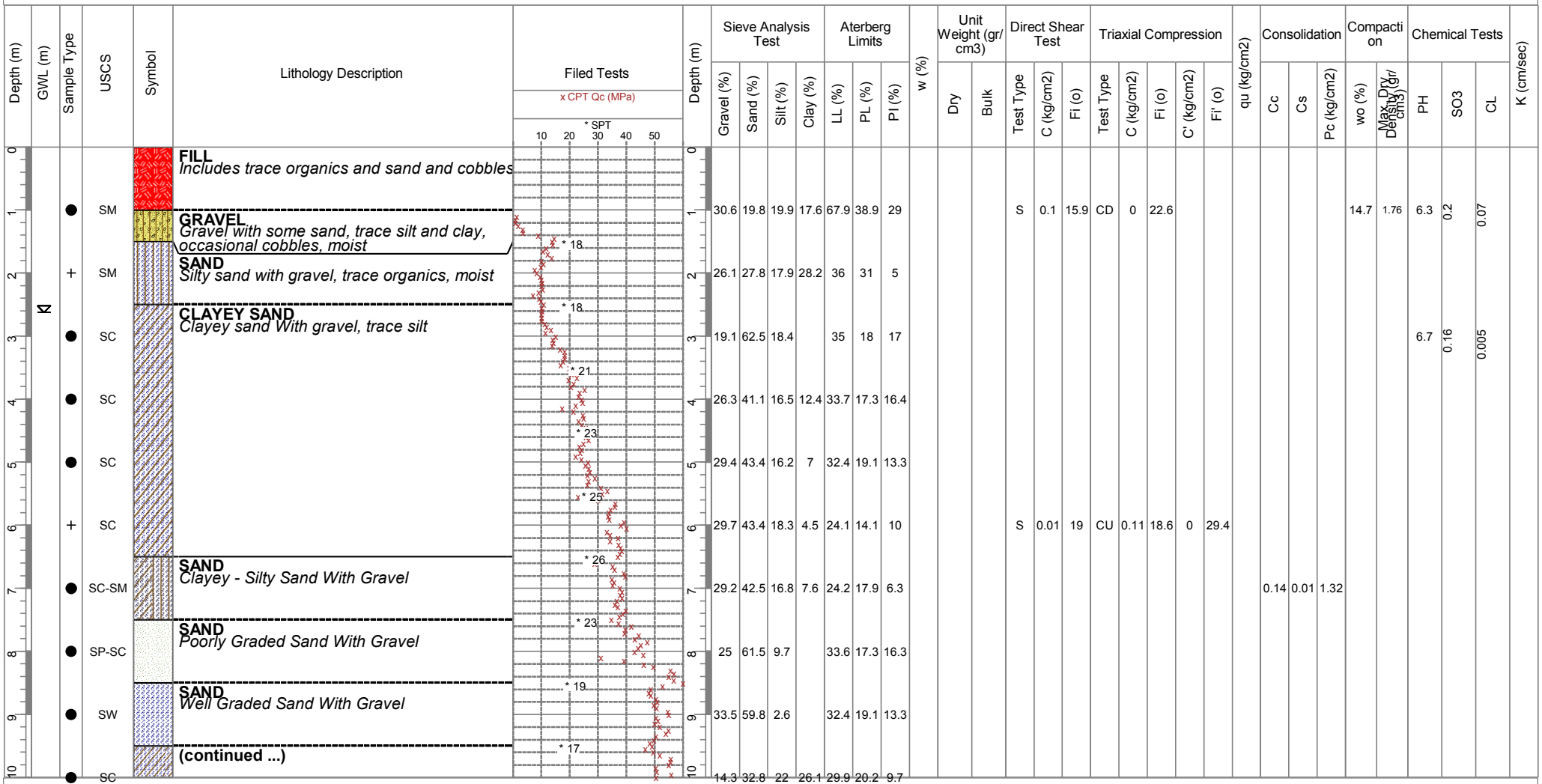
Log BH-1

Project Info.
Project : NovoLAB Example Project #1
Client : ABC Construction Ltd
Location : Burnaby
Job No. : 2011-1

Borehole Info.
Depth: 12.5 (m)
GWL: 2.6 (m)
Drill Date:
Logged By: ER
Elevation: 0.3
Easting: 499165
Northing: 5443775
Rev. BY: AA

Company Info.
Novo Tech Software Ltd.
geotechnical engineering company



Depth (m)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	LL (%)	PL (%)	PI (%)	w (%)	Unit Weight Dry (gr/cm3)	Unit Weight Bulk (gr/cm3)	Direct Shear Test Type	Direct Shear C (kg/cm2)	Direct Shear Fi (o)	Triaxial Compression Test Type	Triaxial Compression C (kg/cm2)	Triaxial Compression Fi (o)	Triaxial Compression C' (kg/cm2)	Triaxial Compression Fi' (o)	qu (kg/cm2)	Consolidation Cc	Consolidation Cs	Consolidation Pc (kg/cm2)	Compaction wo (%)	Compaction Max. Dry Density (gr/cm3)	Chemical Tests PH	Chemical Tests SO3	Chemical Tests CL	K (cm/sec)
1	30.6	19.8	19.9	17.6	67.9	38.9	29				S	0.1	15.9	CD	0	22.6							14.7	1.76	6.3	0.2	0.07	
2	26.1	27.8	17.9	28.2	36	31	5																					
3	19.1	62.5	18.4		35	18	17																		6.7	0.16	0.005	
4	26.3	41.1	16.5	12.4	33.7	17.3	16.4																					
5	29.4	43.4	16.2	7	32.4	19.1	13.3																					
6	29.7	43.4	18.3	4.5	24.1	14.1	10				S	0.01	19	CU	0.11	18.6	0	29.4										
7	29.2	42.5	16.8	7.6	24.2	17.9	6.3													0.14	0.01	1.32						
8	25	61.5	9.7		33.6	17.3	16.3																					
9	33.5	59.8	2.6		32.4	19.1	13.3																					
10	14.3	32.8	22	26.1	29.9	20.2	9.7																					

SampleTypes
- Disturbed
- + Undisturbed
- Shelby / U4
- Core Cutter
- SPT Sample
- Water Sample
- Groundwater Level

Abbreviations
- LL : Liquid Limit
- PL : Plastic Limit
- PI : Plastic Index
- NPI : None PI
- C : Cohesion
- Phi : Friction Angle
- C' : Cohesion (CU)
- Phi' : Friction Angle (CU)
- Cc : Cc
- Cs : Cs
- Pc : Pre-Consolidation Pressure
- K : Permeability Coeff.
- w : Moisture Content
- qu : Unconfined Compression qu
- F : Fast
- S : Slow
- CD : Consolidated, Drained
- UU : Unconsolidated, Undrained
- CU : Consolidated, Undrained

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Depth (m)	GWL (m)	Sample Type	USCS	Symbol	Lithology Description
10		●	SC		**SAND** *Clayey Sand With Gravel, Clayey Sand With Gravel,Clayey Sand With Gravel,Clayey Sand With Gravel*
11					**SILT** *Low Plasticity Silt With Sand*
12		●	ML		
					End of Log @ 12.5 (m)

Filed Tests

x CPT Qc (MPa)

* SPT

10 20 30 40 50

* 15

* 22

Depth (m)	Sieve Analysis Test: Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Aterberg Limits: LL (%)	PL (%)	PI (%)	w (%)	Unit Weight (gr/cm3): Dry	Bulk	Direct Shear Test: Test Type	C (kg/cm2)	Fi (o)	Triaxial Compression: Test Type	C (kg/cm2)	Fi (o)	C' (kg/cm2)	Fi' (o)	qu (kg/cm2)	Consolidation: Cc	Cs	Pc (kg/cm2)	Compaction: wo (%)	Max. Dry Density (gr/cm3)	Chemical Tests: PH	SO3	CL	K (cm/sec)
10	14.3	32.8	22	26.1	29.9	20.2	9.7																					
11																												
12	10.8	32.2	24.3	27.3	45.3	29	16.3																					

SampleTypes

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Log BH-2

Project Info.

Project : NovoLAB Example Project #1
Client : ABC Construction Ltd
Location : Burnaby
Job No. : 2011-1

Borehole Info.

Depth: 13.5 (m)
GWL: 3.5 (m)
Drill Date:
Logged By: GR

Elevation: 0.2
Easting: 499161
Northing: 5443724
Rev. BY: AA

Company Info.

Novo Tech Software Ltd.
geotechnical engineering company

Depth (m)	GWL (m)	Sample Type	USCS	Symbol	Lithology Description	Filed Tests (* SPT)	Depth (m)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	LL (%)	PL (%)	PI (%)	w (%)	Unit Weight (gr/cm3) Dry	Unit Weight (gr/cm3) Bulk	Direct Shear Test Type	Direct Shear C (kg/cm2)	Direct Shear Fi (o)	Triaxial Compression Test Type	Triaxial Compression C (kg/cm2)	Triaxial Compression Fi (o)	Triaxial Compression C' (kg/cm2)	Triaxial Compression Fi' (o)	qu (kg/cm2)	Consolidation Cc	Consolidation Cs	Consolidation Pc (kg/cm2)	Compaction wo (%)	Compaction Max. Dry Density (gr/cm3)	Chemical Tests PH	Chemical Tests SO3	Chemical Tests CL	K (cm/sec)
0							0																													
1		●	SP				1	23.9	71.2	0.8	1.3	41	20	21	15.2	1.96	2.26																		
2		●	ML				2	1.4	29.8	39.8	21.7	40.6	28	12.6																					
3	▽						3																											
4		●					4								23.1	1.7	2.09																	
5		●					5																											
6		●					6																											
7		●					7																											
8		●					8																											
9		●					9																											
10							10																											

SampleTypes
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Log BH-2

Project Info.

Project :NovoLAB Example Project #1
Client :ABC Construction Ltd
Location :Burnaby
Job No.:2011-1

Borehole Info.

Depth:13.5 (m)
GWL:3.5 (m)
Drill Date:
Logged By:GR

Elevation:0.2
Easting:499161
Northing:5443724
Rev. BY:AA

Company Info.

Novo Tech Software Ltd.
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Depth (m)	GWL (m)	Sample Type	USCS	Symbol	Lithology Description	Filed Tests (* SPT 10 20 30 40 50)
10						
11						
12						
13					End of Log @ 13.5 (m)	

Depth (m)	Sieve Analysis Test: Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Aterberg Limits: LL (%)	PL (%)	PI (%)	w (%)	Unit Weight (gr/cm3): Dry	Bulk	Direct Shear Test: Test Type	C (kg/cm2)	Fi (o)	Triaxial Compression: Test Type	C (kg/cm2)	Fi (o)	C' (kg/cm2)	Fi' (o)	qu (kg/cm2)	Consolidation: Cc	Cs	Pc (kg/cm2)	Compaction: wo (%)	Max. Dry Density (gr/cm3)	Chemical Tests: PH	SO3	CL	K (cm/sec)
10																												
11																												
12																												
13																												

SampleTypes

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