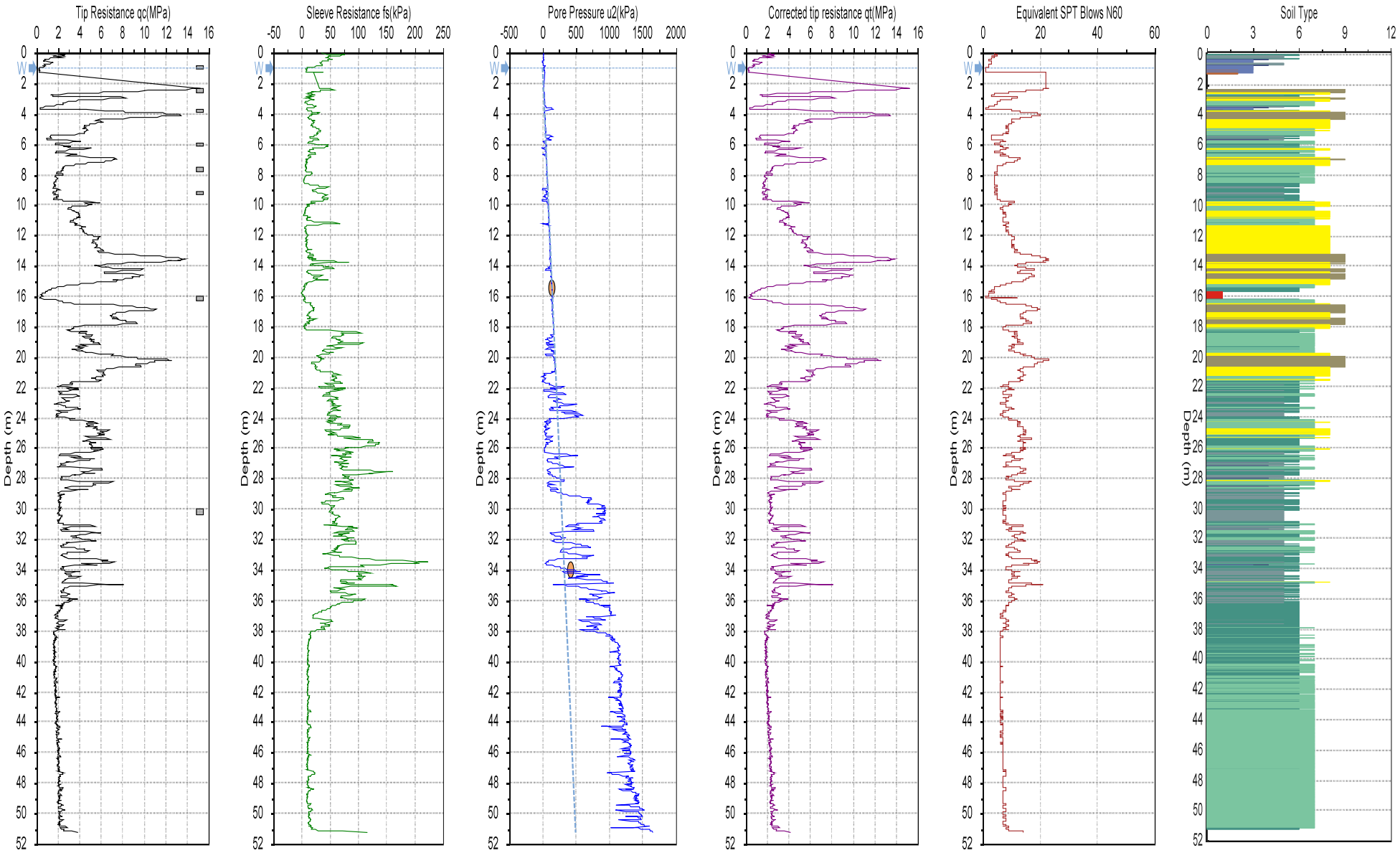
CONE PENETRATION TEST INTERPRETATION REPORT

BusinessName
Your Company Here
Geotechnical Consulting Inc

Project : NovoCPT Test Project 1
Project No. : 110-252
Client : XYZ Investment Ltd.
Location : Princess Park, North Vancouver
Notes : An example of NovoCPT cone penetration test processing

Borehole : CPT-1
Ground Water Level : 1 m
Co-ordinates : n.a.
Co-ordinates : X=29.6 , Y=14.1 , Z=100
Calculated By : SK
Checked By : AA

Ground Slope : Free Face L/H=12
PGA = 0.35 gEq. Magnitude M = 7
Cone Area Ratio = 0.8
CPT Max. Depth = 51.22 m



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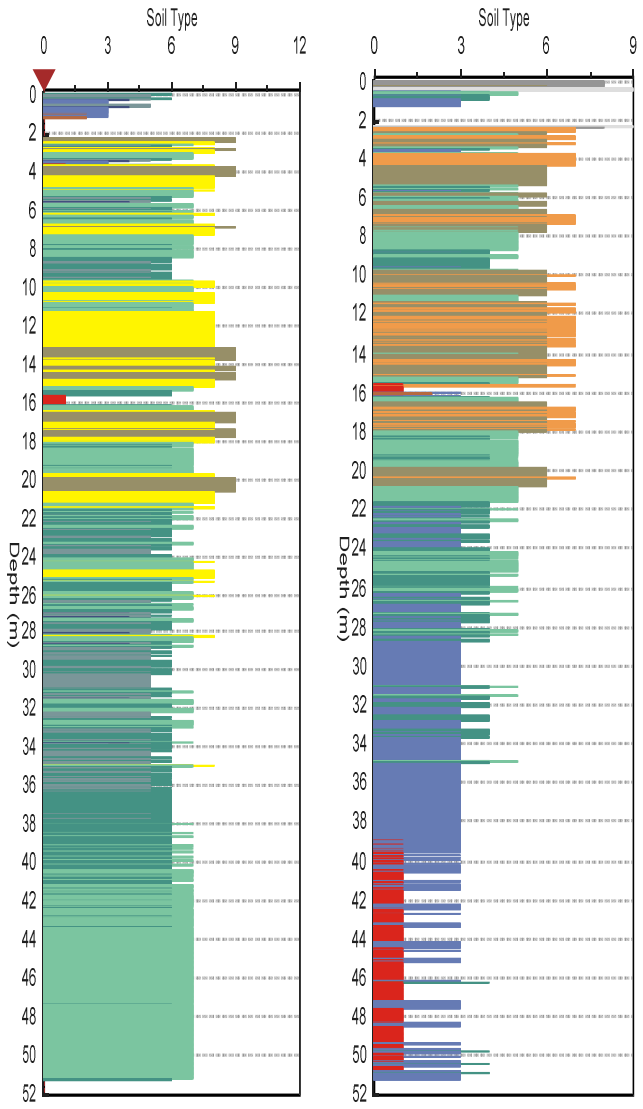

Robertson 1986 (SBT)

Robertson 1990 (SBTn)

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:: Current Analysis Settings and Correlations

Apply 2009 Robertson Normalization n :
No

N60 :
Jefferies & Davis 1993

Hydraulic Conductivity K :
Robertson 2010 (equation)

Unit Weight From Rf and qt :
Yes

Shear Wave Velocity Vs :
Baldi 1989 (for sands), Mayne & Rix 1995 (for clays)

Undrained Shear Strength Su :
use Nkt=14

Clay Overconsolidation Ratio OCR :
Mayne & Chen

Sand Overconsolidation Ratio OCR :
Mayne 2005

Clay Friction Angle :
Sunneset et al., 1988 and 1989 (NTH solution)

Sand Friction Angle :
Robertson & Campanella 1983

Clay Young's Modulus Es :
Duncan & Buchihmami 1976

Sand Young's Modulus Es :
Bellotti et al. 1989

Sand Relative Density Dr :
Baldi et al. 1986

Clay Sensitivity St :
Robertson & Campanella 1988 Ns=6

Liquefaction MSF :
Youd et al. 2001 (NCEER 1997)

Stress Reduction Factor Rd :
NCEER, 1997 (Seed & Idriss 1971 tri-linear function)

Liquefaction Assessed For Following SBT:
6 7 8 9 10 12