



CPT NO.:	CPT-1	JOB:	Demo 2a
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START DATE: 20/05/2019 END DATE: 20/05/2019

CO-ORDINATES: 1573840.3mE, 5181524.0mN (NZTM)

ELEVATION: 1.92m (MSL)

TERMINATION: TD **SUPERVISED BY:** Jed

CLIENT: Geroc Dev

PROJECT: Geotechnical Investigations

SITE LOCATION: 33 Hedgehog Road, New Brighton

RAW DATA							SOIL BEHAVIOUR TYPE				ESTIMATED PARAMETERS							
Tip Resistance (MPa)	Sleeve Friction (kPa)	Pore Pressure (kPa)	Friction Ratio (%)	Speed (cm/sec)	Inclination (°)	Depth	SBT	SBTn	SBT Description (filtered)	q _t (MPa)	Total Vertical Stress (kPa)	Effective Vertical Stress (kPa)	Unit Weight (kN/m3)	Friction Angle (°)	Dr (%)	Su (kPa)	N ₆₀	
10 20 30 40	100 200 300 400	0 200 400 600 800	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9		1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9		10 20 30 40	100 200 300 400	100 200 300 400	15 20 25	10 20 30 40	20 40 60 80	50 100 150 200 250 300 350	10 20 30 40	
EOH: 29.14m																		

Machine: Water Level: 2.34

Operator: Tip Resistance Initial: 0

Cone Reference: 155x

Cone Area Ratio: 0.00

Type:

Date: 07/12/2018

Predrill: 5.00

Tip Resistance Initial: 0

Tip Resistance Final: -

Local Friction Initial: -

Local Friction Final: -

Pore Pressure Initial: -

Pore Pressure Final: -

Soil Behaviour Type (SBT) - Robertson et al. 1986

0	Undefined
1	Sensitive fine-grained
2	Clay - organic soil
3	Clays: clay to silty clay
4	Silt mixtures: clayey silt & silty clay

5	Sand mixtures: silty sand to sandy silt
6	Sands: clean sands to silty sands
7	Dense sand to gravelly sand
8	Stiff sand to clayey sand
9	Stiff fine-grained

NOTES & LIMITATIONS

Data shown on this report has been assessed to provide a basic interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P. K. Robertson and K.L. Cabal (2010), Guide to Cone Penetration Testing for Geotechnical Engineering, 4th Edition. The interpretations are presented only as a guide for geotechnical use, and should be carefully reviewed by the user. GeroC Solutions Ltd do not warrant the correctness or the applicability of any of the geotechnical soil and design parameters shown and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used to derive data shown in this report.

REMARKS:

See Symbology Notes for details of abbreviations & basis of descriptions.