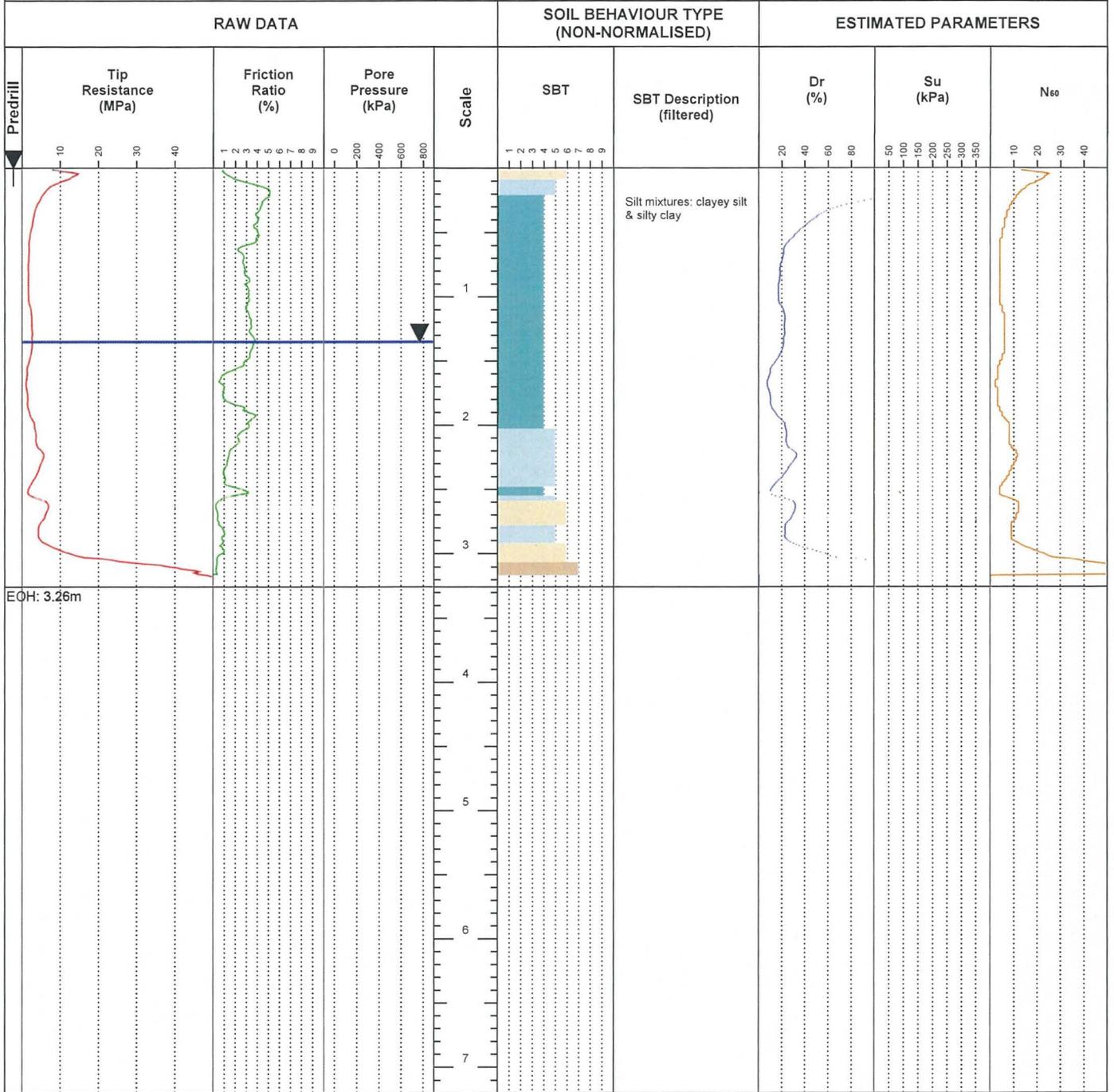


Name: 3 Tremorne Avenue, Blenheim Client: Aurecon NZ Ltd Location: 3 Tremorne Avenue, Blenheim	<i>P28w/6218</i>	Grid: NZTM Datum: Termination: -	North (m): 5403122.23 East (m): 1680995.40 Elevation (m): - Hole Depth (m): 3.26
---------------------------------------------------------------------------------------------------------------------------	------------------	---------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------



Operator: S. Cardona Cone Reference: 080238T Cone Area Ratio: 0.75 Cone Type: -	Date: 11/11/2013 Predrill: 0.00 Water Level: 1.35 Collapse:	Effective Refusal Tip: ✓ Gauge: Inclinator: Other: Target Depth:	Soil Behaviour Type (SBT) - Robertson et al. 1986 <table style="width:100%; border: none;"> <tr> <td style="width:20%; border: 1px solid black; text-align: center;">0</td> <td style="border: none;">Undefined</td> <td style="width:20%; border: 1px solid black; text-align: center;">5</td> <td style="border: none;">Sand mixtures: silty sand to sandy silt</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">1</td> <td style="border: none;">Sensitive fine-grained</td> <td style="border: 1px solid black; text-align: center;">6</td> <td style="border: none;">Sands: clean sands to silty sands</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">2</td> <td style="border: none;">Clay - organic soil</td> <td style="border: 1px solid black; text-align: center;">7</td> <td style="border: none;">Dense sand to gravelly sand</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">3</td> <td style="border: none;">Clays: clay to silty clay</td> <td style="border: 1px solid black; text-align: center;">8</td> <td style="border: none;">Stiff sand to clayey sand</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">4</td> <td style="border: none;">Silt mixtures: clayey silt & silty clay</td> <td style="border: 1px solid black; text-align: center;">9</td> <td style="border: none;">Stiff fine-grained</td> </tr> </table>	0	Undefined	5	Sand mixtures: silty sand to sandy silt	1	Sensitive fine-grained	6	Sands: clean sands to silty sands	2	Clay - organic soil	7	Dense sand to gravelly sand	3	Clays: clay to silty clay	8	Stiff sand to clayey sand	4	Silt mixtures: clayey silt & silty clay	9	Stiff fine-grained
0	Undefined	5	Sand mixtures: silty sand to sandy silt																				
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3	Clays: clay to silty clay	8	Stiff sand to clayey sand																				
4	Silt mixtures: clayey silt & silty clay	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. Both McMillan Drilling Ltd & Geroc Solutions Ltd do not warranty 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 Effective Refusal Hole Depth (m): 3.26 Sheet 1 of 1
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Note: Not to scale; boundaries and locations are approximate only



Figure 3

Canterbury Geotechnical Database and Previous Investigation Locations

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CLIENT
J & RK de Castro Ltd (In Receivership)

PROJECT	3 Tremorne Avenue, Blenheim
BY	T. Plunket
JOB NUMBER	239195
DATE	05 December 2013
DOCUMENT STATUS	Revision 1