



BOREHOLE LOG

HOLE NO.:
BH/CPT-1

CLIENT: Client 1
PROJECT: Geotechnical Investigations

JOB NO.:
Demo 2a

SITE LOCATION: 33 Hedgehog Road, New Brighton
CO-ORDINATES: 1573911.2mE, 5181543.0mN (NZTM)
CONTRACTOR: Internal RIG:

ELEVATION: 2.65m (NZVD2016)
DRILLER: John

START DATE: 19/05/2019
END DATE: 21/05/2019
LOGGED BY: John

MATERIAL DESCRIPTION (See Classification & Symbolology sheet for details)	METHOD	TCR (%)	DEPTH	RL	GRAPHIC	SPT N-VALUE (Uncorrected)	SPT DATA (Uncorrected)	SAMPLES	LABORATORY RESULTS	WATER	INSTALLATION
CONCRETE - 0.1m Silty GRAVEL (GM), with trace sand; light yellowish brown. Non-plastic; poorly graded; gravel, fine to medium, rounded to subround, unweathered; sand, fine to coarse.	Inspection pit	25 50 75	0	2		10 20 30 40		W 1.10 m, 1		27/02/2013	Cement 1m
Gravelly SAND (SW); yellowish brown. Well graded; sand, fine to coarse; gravel, fine, rounded, unweathered.	Cable percussion (shell and auger)	53	1	1			0, 1 / 5, 5, 3, 2 N=15				Sand
Sandy GRAVEL (GW); homogeneous. Dense; wet; well graded; gravel, fine to coarse, rounded to subround, unweathered to slightly weathered; sand, fine to coarse. 3.0m - 5.0m: Gravelly		20	2	0			1, 2 / 1, 2, 1, 2 N=6	LB 3.00 - 3.30m, 1		10/02/2014	3m
5.0m - 5.1m: Silty		36	3	-1			1, 2 / 4, 3, 3, 3 N=13	B 5.00 - 5.30m, 1			Bentonite 5m
7.0m - 9.0m: Wood fragment		33	4	-2			3, 2 / 2, 3, 3, 2 N=10				Sand
		40	5	-3			2, 4 / 2, 3, 2, 2 N=9				
SAND (SW), with trace gravel; brownish grey; homogeneous. Medium dense; wet; well graded; sand, fine to coarse; gravel, fine, rounded, unweathered. 9.5m: Sandy.	Static cone penetrometer	36	6	-4			3, 4 / 2, 2, 4, 2 N=10				
Sandy GRAVEL (GP), with some cobbles, with trace boulders; brown; homogeneous. Dense; saturated; poorly graded; gravel, fine, rounded to subround, unweathered to slightly weathered; cobbles, rounded, up to 200mm, unweathered; boulders, rounded, up to 350mm, slightly weathered.		43	7	-5			5, 6 / 2, 5, 5, 3 N=15	B 8.00 - 13.00m, 1 9.00m, 1 10.00m, 1 10.00m, 2 11.00m, 1			
CPT Sounding		60	8	-6			2, 8 / 7, 8, 6, 7 N=28	B 12.00m, 1			Drill cuttings
			9	-7				B 13.00m, 1			
			10	-8				14.00m, 1			

REMARKS

REF	DATE / TIME	LEVEL	REMARK
P1	4/06/2013	2.20	
P2	4/06/2013	5.00	
P1	5/06/2013	2.10	
P2	5/06/2013	4.50	
P1	6/06/2013	2.30	
P2	6/06/2013	4.20	
P1	7/06/2013	2.25	
P2	7/06/2013	4.10	

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CHRISTCHURCH**

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[CONT] CPT Sounding	Static cone penetrometer	25 50 75	13 16 17 18 19 20 21 22 23 24 25 26 27 28 29			10 20 30 40		15.00 m, 1 16.00 m, 1 17.00 m, 1			
SAND & GRAVEL (GP); bluish greenish blue; bedded. Soft; dry; poorly graded; sand, fine to coarse, gravel, fine to coarse, subround, slightly weathered.	Cable percussion (shell and auger)						3, 2 / 5, 5, 3, 3 N=16				
Silty SAND (SM); brown; homogeneous. Firm; saturated; well graded; sand, fine.											
CPT Sounding	Static cone penetrometer										
End Of Hole: 29.14m							25 for 50mm / 20, 22, 8 for 20mm N=50 for 170mm				29.14m

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P2	4/06/2013	5.00	
P1	5/06/2013	2.10	
P2	5/06/2013	4.50	
P1	6/06/2013	2.30	
P2	6/06/2013	4.20	
P1	7/06/2013	2.25	
P2	7/06/2013	4.10	

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