

Environmental Log - Borehole

Client: **University of NSW**

Principal:

Project: **Assessment of Waste Classification, MSB Development**

Borehole Location: **Union Street Carpark, Kensington Campus, UNSW**

Borehole No. **CBH3**

Sheet 1 of 1

Office Job No.: **ENAU RHOD04414AA**

Date started: **13.10.2012**

Date completed: **13.10.2012**

Logged by: **PD**

Checked by: **ML**

drill model and mounting:		Geoprobe Track		Easting:		slope: -90°		R.L. Surface:											
hole diameter:		250 mm		Northing:		bearing:		datum:											
drilling information				material substance															
method	penetration 1 2 3	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	pocket penetro- meter kPa 100 200 300 400	structure and additional observations						
HA				E.DUP1,DUP1a+5.3ppm					ASPHALT				No odour or staining						
									CONCRETE SLAB										
				E+6.5ppm	0.5				FILL: Gravelly SAND: Fine grained, grey to brown. Gravel medium, crushed concrete and dark grey stones	D	S								
									Less crushed concrete										
PT				E+9.1ppm	1.0				SAND: Fine grained, pale yellow to cream with streaks of grey and orange	D	S		No odour or staining						
					2.0				Borehole CBH3 terminated at 2.1m										
					2.5														
method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool HA hand auger DT diatube B blank bit V V bit T TC bit *bit shown by suffix e.g. ADT				support M mud C casing penetration 1 2 3 4  no resistance ranging to refusal water  10/1/98 water level on date shown  water inflow  water outflow				notes, samples, tests U ₅₀ undisturbed sample 50mm diameter U ₆₃ undisturbed sample 63mm diameter D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone V vane shear (kPa) P pressuremeter Bs bulk sample E environmental sample R refusal				classification symbols and soil description based on unified classification system moisture D dry M moist W wet W _p plastic limit W _L liquid limit				consistency/density index VS very soft S soft F firm St stiff VSt very stiff H hard Fb friable VL very loose L loose MD medium dense D dense VD very dense			

Environmental Log - Borehole

Client: **University of NSW**

Principal:

Project: **Assessment of Waste Classification, MSB Development**

Borehole Location: **Union Street Carpark, Kensington Campus, UNSW**

Borehole No. **CBH4**

Sheet 1 of 1

Office Job No.: **ENAU RHOD04414AA**

Date started: **13.10.2012**

Date completed: **13.10.2012**

Logged by: **PD**

Checked by: **ML**

drill model and mounting: Geoprobe Track Easting: slope: -90° R.L. Surface:
hole diameter: 250 mm Northing bearing: datum:

drilling information						material substance									
method	penetration			support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	pocket penetro- meter kPa	structure and additional observations
	1	2	3												
HA											ASPHALT				
											CONCRETE SLAB				
					E+4.0ppm						FILL: Gravelly SAND: Fine grained, grey to brown. Gravel medium, crushed concrete and dark grey stones.	D	S		No odour or staining
					E+4.3ppm										
PT											Becoming less gravelly, some minor cream shale gravel.				
					E+4.8ppm										
										SW	SAND: Fine grained, cream with streaks of orange.	D	S		No odour or staining
					E+5.2ppm										
											Becoming grey.				
					E+6.4ppm										
											Becomes white.				
					E+5.5ppm						Becomes dark brown. Becomes white.		F		
											Becomes dark brown sand which gradually becomes cream with depth.	M	F		
					E+10.3ppm										
											Borehole CBH4 terminated at 5.7m				

method	support	notes, samples, tests	classification symbols and soil description	consistency/density index
AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool HA hand auger DT diatube B blank bit V V bit T TC bit *bit shown by suffix e.g. ADT	M mud C casing penetration 1 2 3 4 no resistance ranging to refusal water 10/1/98 water level on date shown water inflow water outflow	U ₅₀ undisturbed sample 50mm diameter U ₆₃ undisturbed sample 63mm diameter D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone V vane shear (kPa) P pressuremeter Bs bulk sample E environmental sample R refusal	based on unified classification system moisture D dry M moist W wet Wp plastic limit WL liquid limit	VS very soft S soft F firm St stiff VSt very stiff H hard Fb friable VL very loose L loose MD medium dense D dense VD very dense

Environmental Log - Borehole

Client: **University of NSW**

Principal:

Project: **Assessment of Waste Classification, MSB Development**

Borehole Location: **Union Street Carpark, Kensington Campus, UNSW**

Borehole No. **CBH5**

Sheet 1 of 1

Office Job No.: **ENAU RHOD04414AA**

Date started: **13.10.2012**

Date completed: **13.10.2012**

Logged by: **PD**

Checked by: **ML**

drill model and mounting:		Geoprobe Track		Easting:		slope: -90°		R.L. Surface:											
hole diameter:		250 mm		Northing:		bearing:		datum:											
drilling information				material substance															
method	penetration 1 2 3	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	pocket penetro- meter kPa 100 200 300 400	structure and additional observations						
HA				E+8.0ppm		0.5			TOPSOIL FILL: Gravelly Sandy SILT: Brown, medium grained sand. Minor fine gravel, brown and dark grey rock pieces.	D	S		No odour or staining						
				E+15.1ppm		1.0			Material grey to brown, less gravel and gravel is smaller in size, tree rootlets and wood fragments.										
				E+16.4ppm		1.5													
PT						2.0		SW	SAND: Fine grained, pale yellow to cream.	D	S		No odour or staining						
						2.5			Becoming grey.										
						2.5			Borehole CBH5 terminated at 2m										
method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool HA hand auger DT diatube B blank bit V V bit T TC bit *bit shown by suffix e.g. ADT				support M mud C casing penetration 1 2 3 4  no resistance ranging to refusal water  10/1/98 water level on date shown  water inflow  water outflow				notes, samples, tests U ₅₀ undisturbed sample 50mm diameter U ₆₃ undisturbed sample 63mm diameter D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone V vane shear (kPa) P pressuremeter Bs bulk sample E environmental sample R refusal				classification symbols and soil description based on unified classification system moisture D dry M moist W wet W _p plastic limit W _L liquid limit				consistency/density index VS very soft S soft F firm St stiff VSt very stiff H hard Fb friable VL very loose L loose MD medium dense D dense VD very dense			