

Borehole No. **BH6**

Engineering Log - Piezometer

Sheet 2 of 4
Project No: **CH1613/1**

Client: **RIDER HUNT TEROTECH**

Date started: **31.5.2006**

Principal:

Date completed: **31.5.2006**

Project: **PROPOSED DEVELOPMENT - BLUE DOLPHIN RESORT**





Logged by: **ELC**

Borehole Location: **REFER TO FIGURE 1**

Checked by:

drill model & mounting: P120 TRUCK	Easting: 533262.034	slope: -90°	R.L. Surface: 1.75
hole diameter:	Northing: 6744033.133	bearing:	datum: AHD

drilling information							material substance								
method	penetration			support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	structure and additional observations
	1	2	3												
WB				M								SAND: fine to medium grained, brown (<i>continued</i>)	W	VD	
						SPT R,-,- N*=R		-7	9						SPT 31 blows for 125mm penetration.
						SPT R,-,- N*=R		-8	10						SPT 32 blows for 150mm penetration.
								-9	11			Colour change to brown at approximately 10.5m.			
						SPT 26,R,- N*=R		-10	12						SPT 26 blows for 150mm penetration.
								-11	13						SPT 25 blows for 85mm penetration.
						SPT 25,R,- N*=R		-12	14						
						SPT 28,R,- N*=R		-13	15						SPT 28 blows for 150mm penetration.
								-14	16						

method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix e.g. ADT	support C casing N nil 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 D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone P pressure meter Bs bulk sample R refusal E environmental sample PID PID measurement WS water sample PZ piezometer ALT air lift test	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
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Borehole No. **BH6**

Engineering Log - Piezometer

Sheet 3 of 4
Project No: **CH1613/1**

Client: **RIDER HUNT TEROTECH**

Date started: **31.5.2006**

Principal:

Date completed: **31.5.2006**











Project: **PROPOSED DEVELOPMENT - BLUE DOLPHIN RESORT**





Logged by: **ELC**

Borehole Location: **REFER TO FIGURE 1**

Checked by:

drill model & mounting: P120 TRUCK	Easting: 533262.034	slope: -90°	R.L. Surface: 1.75
hole diameter:	Northing: 6744033.133	bearing:	datum: AHD

drilling information							material substance								
method	penetration			support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	structure and additional observations
	1	2	3												
WB				M		SPT 23,R,- N*=R						SAND: fine to medium grained, brown (<i>continued</i>)	W	VD	SPT 30 blows for 125mm penetration.
								-15	17						
						SPT 21,R,- N*=R		-16	18						SPT 30 blows for 125mm penetration.
								-17	19						
						SPT 18,32,R N*=R		-18	20						SPT 32 blows for 150mm penetration.
								-19	21						
						SPT 18,34,R N*=R		-20	22					MD	SPT 34 blows for 150mm penetration.
								-21	23						
						SPT 6,10,13 N*=23		-22							
								-23							
						SPT 6,9,11 N*=20		-24	24						

method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix e.g. ADT	support C casing N nil 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 D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone P pressure meter Bs bulk sample R refusal E environmental sample PID PID measurement WS water sample PZ piezometer ALT air lift test	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
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Borehole No. **BH6**

Engineering Log - Piezometer

Sheet 4 of 4
Project No: **CH1613/1**

Client: **RIDER HUNT TEROTECH**

Date started: **31.5.2006**

Principal:

Date completed: **31.5.2006**

Project: **PROPOSED DEVELOPMENT - BLUE DOLPHIN RESORT**

Logged by: **ELC**

Borehole Location: **REFER TO FIGURE 1**

Checked by:

drill model & mounting: P120 TRUCK				Easting: 533262.034		slope: -90°		R.L. Surface: 1.75					
hole diameter:				Northing: 6744033.133		bearing:		datum: AHD					
drilling information					material substance								
method	penetration	support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material	moisture condition	consistency/ density index	structure and additional observations
WB	1 2 3	M					25			SAND: fine to medium grained, brown (<i>continued</i>)	W	MD	
						-24	26			End BH6 at 25.45m due to limit of required investigation. Borehole terminated at 25.45m			
						-25	27						
						-26	28						
						-27	29						
						-28	30						
						-29	31						
						-30	32						

method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix e.g. ADT	support C casing N nil penetration 1 2 3 4 water 10/1/98 water level on date shown water inflow water outflow	notes, samples, tests U ₅₀ undisturbed sample 50mm diameter D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone P pressure meter Bs bulk sample R refusal E environmental sample PID PID measurement WS water sample PZ piezometer ALT air lift test	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
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Borehole No. **BH7**

Engineering Log - Piezometer

Sheet 1 of 6
Project No: **CH1613/1**

Client: **RIDER HUNT TEROTECH**

Date started: **29.5.2006**

Principal:

Date completed: **30.5.2006**

Project: **PROPOSED DEVELOPMENT - BLUE DOLPHIN RESORT**





Logged by: **ELC**

Borehole Location: **REFER TO FIGURE 1**

Checked by:

drill model & mounting: P120 TRUCK	Easting: 533049.973	slope: -90°	R.L. Surface: 1.56
hole diameter:	Northing: 6744153.418	bearing:	datum: AHD

drilling information							material substance								
method	penetration			support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	structure and additional observations
	1	2	3												
ADV				N							SP	SAND: fine to coarse grained, dark brown	M	L/MD?	ALLUVIAL SOIL
						D			1			Colour change to pale grey/pale brown at 0.8m.			
						D							W	MD/D	
						SPT 3,4,7 N*=11			2						
						D								D/VD	
						D			3						
						SPT 8,14,16 N*=30						Colour change to dark brown, becomes indurated sand.		VD	
									4						
						D									
						D									
						SPT 9,14,25 N*=39			5						
						SPT 25,R,- N*=R			6						SPT 24 blows fro 60mm penetration.
									7						
						SPT 15,R,- N*=R									SPT 30 blows for 120mm penetration.
									8						

method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix e.g. ADT	support C casing N nil 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 D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone P pressure meter Bs bulk sample R refusal E environmental sample PID PID measurement WS water sample PZ piezometer ALT air lift test	classification symbols and soil description based on unified classification system moisture D dry M moist W wet Wp plastic limit WL 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
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Borehole No. **BH7**

Engineering Log - Piezometer

Sheet 2 of 6
Project No: **CH1613/1**

Client: **RIDER HUNT TEROTECH**

Date started: **29.5.2006**

Principal:





Date completed: **30.5.2006**

Project: **PROPOSED DEVELOPMENT - BLUE DOLPHIN RESORT**

Logged by: **ELC**

Borehole Location: **REFER TO FIGURE 1**

Checked by:

drill model & mounting: P120 TRUCK				Easting: 533049.973		slope: -90°		R.L. Surface: 1.56											
hole diameter:				Northing: 6744153.418		bearing:		datum: AHD											
drilling information					material substance														
method	penetration	support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material	moisture condition	consistency/ density index	structure and additional observations						
WB	1 2 3	M							SP	SAND: fine to coarse grained, dark brown (continued) Thin layer of fine grained gravel at approximately 8.5m.	W	VD							
				SPT 16,R,- N*=R		-7	9						SPT 30 blows for 130mm penetration.						
				SPT R,-,- N*=R		-8	10						SPT 30 blows for 110mm penetration.						
				SPT R,-,- N*=R		-9	11						SPT 30 blows for 115mm penetration.						
				SPT R,-,- N*=R		-10	12						SPT 30 blows for 120mm penetration.						
				SPT R,-,- N*=R		-11	13						SPT 30 blows for 150mm penetration						
				SPT 30,R,- N*=R		-12	14												
						-13	15												
						-14	16												
method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix e.g. ADT				support C casing N nil 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 D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone P pressure meter Bs bulk sample R refusal E environmental sample PID PID measurement WS water sample PZ piezometer ALT air lift test				classification symbols and soil description based on unified classification system moisture D dry M moist W wet Wp plastic limit WL 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			

Borehole No. **BH7**

Engineering Log - Piezometer

Sheet 3 of 6
Project No: **CH1613/1**

Client: **RIDER HUNT TEROTECH**

Date started: **29.5.2006**

Principal:





Date completed: **30.5.2006**

Project: **PROPOSED DEVELOPMENT - BLUE DOLPHIN RESORT**

Logged by: **ELC**

Borehole Location: **REFER TO FIGURE 1**

Checked by:

drill model & mounting: P120 TRUCK				Easting: 533049.973		slope: -90°		R.L. Surface: 1.56											
hole diameter:				Northing: 6744153.418		bearing:		datum: AHD											
drilling information				material substance															
method	penetration	support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material	moisture condition	consistency/ density index	structure and additional observations						
WB	1 2 3	M		SPT 17,R,- N*=R		-15	17		SP	SAND: fine to coarse grained, dark brown (continued)	W	VD	SPT 30 blows for 125mm penetration.						
				SPT 17,28,R N*=R		-16	18						SPT 28 blows for 150mm penetration						
				SPT 12,26,R N*=R		-17	19			Colour change to brown, no longer indurated at approximately 18.8m.			SPT 26 blows for 150mm penetration.						
				SPT 13,30,R N*=R		-18	20						SPT 30 blows for 150mm penetration.						
				SPT 12,23,30 N*=53		-19	21						SPT 30 blows for 140mm penetration.						
				SPT 11,21,29 N*=50		-20	22					D	SPT 29 blows for 150mm penetration.						
						-21	23												
						-22	24												
method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix e.g. ADT				support C casing N nil 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 D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone P pressure meter Bs bulk sample R refusal E environmental sample PID PID measurement WS water sample PZ piezometer ALT air lift test				classification symbols and soil description based on unified classification system moisture D dry M moist W wet Wp plastic limit WL 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			

Borehole No. **BH7**

Engineering Log - Piezometer

Sheet 4 of 6
Project No: **CH1613/1**

Client: **RIDER HUNT TEROTECH**

Date started: **29.5.2006**

Principal:



Date completed: **30.5.2006**

Project: **PROPOSED DEVELOPMENT - BLUE DOLPHIN RESORT**

Logged by: **ELC**

Borehole Location: **REFER TO FIGURE 1**

Checked by:

drill model & mounting: P120 TRUCK				Easting: 533049.973		slope: -90°		R.L. Surface: 1.56						
hole diameter:				Northing: 6744153.418		bearing:		datum: AHD						
drilling information					material substance									
method	penetration 1 2 3	support water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	structure and additional observations		
WB		M						SP	SAND: fine to coarse grained, dark brown (continued) Colour change to pale brown at 24.5m.	W	D			
			SPT 10,17,19 N*=36			25								
						26		SP	SAND: fine to medium grained, grey, trace of fines		MD			
			SPT 3,5,11 N*=16			27								
						28								
			SPT 7,12,13 N*=25			29								
						30					D			
			SPT 11,23,26 N*=49			31								
						32								
method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix e.g. ADT			support C casing N nil 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 D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone P pressure meter Bs bulk sample R refusal E environmental sample PID PID measurement WS water sample PZ piezometer ALT air lift test			classification symbols and soil description based on unified classification system moisture D dry M moist W wet Wp plastic limit WL 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		

Borehole No. **BH7**

Engineering Log - Piezometer

Sheet 5 of 6
Project No: **CH1613/1**

Client: **RIDER HUNT TEROTECH**

Date started: **29.5.2006**

Principal:

Date completed: **30.5.2006**

Project: **PROPOSED DEVELOPMENT - BLUE DOLPHIN RESORT**





Logged by: **ELC**

Borehole Location: **REFER TO FIGURE 1**

Checked by:

drill model & mounting: P120 TRUCK	Easting: 533049.973	slope: -90°	R.L. Surface: 1.56
hole diameter:	Northing: 6744153.418	bearing:	datum: AHD

drilling information							material substance								
method	penetration			support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	structure and additional observations
	1	2	3												
WB				M							SP	SAND: fine to medium grained, grey, trace of fines <i>(continued)</i>	W	MD	SPT 30 blows for 130mm penetration.
										</					

method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix e.g. ADT	support C casing N nil 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 D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone P pressure meter Bs bulk sample R refusal E environmental sample PID PID measurement WS water sample PZ piezometer ALT air lift test	classification symbols and soil description based on unified classification system moisture D dry M moist W wet Wp plastic limit WL 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
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Borehole No. **BH7**

Sheet 6 of 6
Project No: **CH1613/1**

Engineering Log - Piezometer

Client: **RIDER HUNT TEROTECH**

Date started: **29.5.2006**

Principal:

Date completed: **30.5.2006**

Project: **PROPOSED DEVELOPMENT - BLUE DOLPHIN RESORT**

Logged by: **ELC**

Borehole Location: **REFER TO FIGURE 1**

Checked by:

drill model & mounting:P120 TRUCK										Easting: 533049.973		slope: -90°		R.L. Surface: 1.56	
hole diameter:										Northing: 6744153.418		bearing:		datum: AHD	
drilling information										material substance					
method	penetration			support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	structure and additional observations
	1	2	3												
WB				M							SC	Sandy CLAY/Clayey SAND: sand is fine to medium grained, clay is medium plasticity, grey (<i>continued</i>)	W	L/F	
									41		CH	CLAY: high plasticity, grey, some fine grained sand	M	St	
						SPT 4,6,10 N*=16			40			Shell fragments observed.			
									42						
									43						
									44						
									45					VSt	
						SPT 5,9,9 N*=18			43						
									45			End BH7 at 44.95m due to limit of required investigation. Borehole terminated at 44.95m			
									44						
									46						
									47						
									48						
method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix e.g. ADT						support C casing N nil 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 D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone P pressure meter Bs bulk sample R refusal E environmental sample PID PID measurement WS water sample PZ piezometer ALT air lift test			classification symbols and soil description based on unified classification system moisture D dry M moist W wet Wp 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	

Borehole No. **BH8**

Engineering Log - Piezometer

Sheet 1 of 4
Project No: **CH1613/1**

Client: **RIDER HUNT TEROTECH**

Date started: **1.6.2006**

Principal:

Date completed: **1.6.2006**

Project: **PROPOSED DEVELOPMENT - BLUE DOLPHIN RESORT**

Logged by: **ELC**

Borehole Location: **REFER TO FIGURE 1**

Checked by:

drill model & mounting: P120 TRUCK	Easting: 533143.425	slope: -90°	R.L. Surface: 1.61
hole diameter:	Northing: 6744273.849	bearing:	datum: AHD

drilling information							material substance								
method	penetration			support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	structure and additional observations
	1	2	3												
ADV				N							SP	SAND: fine to medium grained, brown	M	MD?	ALLUVIAL SOIL
					D			1		SC	Clayey SAND/Sandy CLAY: fine to medium grained, brown, clay is medium plasticity				
					D					SP	SAND: fine to medium grained, grey	W	D		
					SPT 7,9,9 N*=18			2							
					D								MD		
					D			3							
					SPT 1,3,6 N*=9										
								4					D		
				M	D										
					D										
					SPT 5,9,10 N*=19			5			Colour change to dark brown at 4.8m.				
													VD		
					SPT 22,R,- N*=R			6						SPT 30 blows fro 40mm penetration.	
								7						SPT 30 blows for 150mm penetration.	
					SPT 18,30,R N*=R										
								8							

method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix e.g. ADT	support C casing N nil 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 D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone P pressure meter Bs bulk sample R refusal E environmental sample PID PID measurement WS water sample PZ piezometer ALT air lift test	classification symbols and soil description based on unified classification system moisture D dry M moist W wet Wp plastic limit WL 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
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Borehole No. **BH8**

Engineering Log - Piezometer

Sheet 2 of 4
Project No: **CH1613/1**

Client: **RIDER HUNT TEROTECH**

Date started: **1.6.2006**

Principal:





Date completed: **1.6.2006**

Project: **PROPOSED DEVELOPMENT - BLUE DOLPHIN RESORT**

Logged by: **ELC**

Borehole Location: **REFER TO FIGURE 1**

Checked by:

drill model & mounting: P120 TRUCK				Easting: 533143.425		slope: -90°		R.L. Surface: 1.61											
hole diameter:				Northing: 6744273.849		bearing:		datum: AHD											
drilling information					material substance														
method	penetration	support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	structure and additional observations						
WB	1 2 3	M							SP	SAND: fine to medium grained, grey (<i>continued</i>)	W	VD							
				SPT R ₁₋₂ = R N ₁₋₂ = R		-7	9						SPT 25 blows for 80mm penetration.						
				SPT 18, 26, R N ₁₋₂ = R		-8	10						SPT 26 blows for 150mm penetration.						
				SPT R ₁₋₂ = R N ₁₋₂ = R		-9	11			Thin band of fine grained gravel at approximately 10.5m.			SPT 30 blows for 110mm penetration.						
				SPT R ₁₋₂ = R N ₁₋₂ = R		-10	12						SPT 30 blows for 130mm penetration.						
				SPT R ₁₋₂ = R N ₁₋₂ = R		-11	13						SPT 30 blows for 90mm penetration.						
				SPT R ₁₋₂ = R N ₁₋₂ = R		-12	14												
				SPT R ₁₋₂ = R N ₁₋₂ = R		-13	15												
						-14	16												
method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix e.g. ADT				support C casing N nil 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 D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone P pressure meter Bs bulk sample R refusal E environmental sample PID PID measurement WS water sample PZ piezometer ALT air lift test				classification symbols and soil description based on unified classification system moisture D dry M moist W wet Wp plastic limit WL 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			