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BOREHOLE LOG SHEET

Client: McCONNELL DOWEL	Hole No: BH1	
Project: 05SRW01 - RETAINING WALL	Job No: 10415 - 05SRW01	Sheet: 1 of 7
Location: BROADBEACH	Angle from Horizontal: 90°	Surface Elevation: 1.953 m AHD
Position: E86347.707 N54022.177 56 MGA94	Bit:	Driller: MD
Rig Type: Hydropower Scout	Contractor: DRILLSURE	
Casing Diameter:	Logged By: FJ	Date Logged: 7/12/12
Date Started: 7/12/12	Date Completed: 7/12/12	

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Coring								
0.0 - 0.5									1.5		SM	SILTY SAND, fine to coarse grained, dark brown, moist, FILL
0.5 - 1.0					D 0.50 - 0.95 m SPT = 6, 7, 9 N=14				1.0		SM	SILTY SAND, fine to coarse grained, dark brown, with fine to coarse grained gravel, moist, FILL
1.0 - 1.5									0.5			
1.5 - 2.0					D 1.50 - 1.95 m SPT = 1, 1, 1 N=2				0.0		SM	SILTY SAND, fine to coarse grained, black, with fine to coarse grained gravel, with organics, moist, SILTY SAND, medium grained, grey, with roots/organic matter, moist, loose, NATURAL
2.0 - 2.5									-0.5		SM	SILTY SAND, medium grained, black, moist to wet, loose, NATURAL
2.5 - 3.0									-1.0		SM	
3.0 - 3.5					D 2.50 - 2.95 m SPT = 2, 3, 5 N=8				-1.5			
3.5 - 4.0									-2.0		SM	SILTY SAND, medium grained, white, trace of gravel, moist, loose, NATURAL
4.0 - 4.5					D 3.50 - 3.95 m SPT = 5, 8, 8 N=16				-2.5		SM	
4.5 - 5.0					D 4.50 - 4.95 m SPT = 2, 8, 8 N=16				-3.0			

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See Standard Sheets for details of abbreviations & basis of descriptions



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BOREHOLE LOG SHEET

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Project: 05SRW01 - RETAINING WALL	Job No: 10415 - 05SRW01	Sheet: 2 of 7
Location: BROADBEACH	Angle from Horizontal: 90°	Surface Elevation: 1.953 m AHD
Position: E86347.707 N54022.177 56 MGA94	Bit:	Driller: MD
Rig Type: Hydropower Scout	Contractor: DRILLSURE	
Casing Diameter:	Date Started : 7/12/12	Date Logged: 7/12/12
Date Completed: 7/12/12	Logged By: FJ	

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)	
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing									
5.5											SM	SILTY SAND, medium grained, white, trace of gravel, moist, loose, NATURAL	
6.0						D 6.00 - 6.45 m SPT = 14, 23, 28 N>50					SM	SAND, medium grained, white, trace of gravel, NATURAL	
6.5													
7.0												Trace of shells	
7.5						D 7.50 - 7.76 m SPT = 26, 30/110 N>50						SM	SILTY SAND, fine to coarse grained, white, trace of gravel, moist, NATURAL
8.0													
8.5													
9.0						D 9.00 - 9.27 m SPT = 28, 30/120 N>50							
9.5												SM	SILTY SAND, fine to coarse grained, white/pale grey, trace of low plasticity clay,
8.0													

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Project: 05SRW01 - RETAINING WALL	Job No: 10415 - 05SRW01	Sheet: 3 of 7
Location: BROADBEACH	Angle from Horizontal: 90°	Surface Elevation: 1.953 m AHD
Position: E86347.707 N54022.177 56 MGA94	Bit:	Driller: MD
Rig Type: Hydropower Scout	Contractor: DRILLSURE	
Casing Diameter:	Date Started : 7/12/12	Date Logged: 7/12/12
Date Completed: 7/12/12	Logged By: FJ	

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing								
10.5						D 10.50 - 10.80 m SPT = 21, 30/145 N>50			-8.5		SM	SILTY SAND, fine to coarse grained, white/pale grey, trace of low plasticity clay,
11.0									-9.0			
11.5									-9.5			
12.0						D 12.00 - 12.29 m SPT = 22, 30/135 N>50			-10.0			
12.5									-10.5		SM	SILTY SAND, fine to coarse grained, white mottled grey, trace of shells, moist, very dense, NATURAL
13.0									-11.0			
13.5						D 13.50 - 13.95 m SPT = 2, 10, 24 N=34			-11.5			
14.0									-12.0		SC	CLAYEY SAND, fine to coarse grained, grey, low plasticity clay, moist, dense, NATURAL
14.5									-12.5			
									-13.0			

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BOREHOLE LOG SHEET

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Project: 05SRW01 - RETAINING WALL	Job No: 10415 - 05SRW01	Sheet: 4 of 7
Location: BROADBEACH	Position: E86347.707 N54022.177 56 MGA94	Angle from Horizontal: 90°
	Surface Elevation: 1.953 m AHD	Rig Type: Hydropower Scout
	Bit:	Driller: MD
Casing Diameter:	Contractor: DRILLSURE	
Date Started: 7/12/12	Date Completed: 7/12/12	Logged By: FJ
		Date Logged: 7/12/12

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing								
15.00 - 15.30						D 15.00 - 15.30 m SPT = 10, 30/145 N>50			-13.5		SC	CLAYEY SAND, fine to coarse grained, grey, low plasticity clay, moist, dense, NATURAL
15.5									-14.0			SILTY SAND, fine to coarse grained, grey, trace of clay, very dense, NATURAL
16.0									-14.5			
16.50 - 16.79						D 16.50 - 16.79 m SPT = 20, 30/145 N>50			-15.0		SM	
17.0									-15.5			
17.5									-16.0			
18.00 - 18.30						D 18.00 - 18.30 m SPT = 16, 30/145 N>50			-16.5			
18.5									-17.0			
19.0									-17.5			SILTY SAND, fine to coarse grained, white, trace of gravel, very dense, NATURAL
19.50 - 19.91						D 19.50 - 19.91 m SPT = 23, 24, 20/105 N>50			-18.0		SC	

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BOREHOLE LOG SHEET


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Project: 05SRW01 - RETAINING WALL	Job No: 10415 - 05SRW01	Sheet: 5 of 7
Location: BROADBEACH	Angle from Horizontal: 90°	Surface Elevation: 1.953 m AHD
Position: E86347.707 N54022.177 56 MGA94	Bit:	Driller: MD
Rig Type: Hydropower Scout	Contractor: DRILLSURE	
Casing Diameter:	Date Started: 7/12/12	Date Completed: 7/12/12
Date Started: 7/12/12	Date Completed: 7/12/12	Logged By: FJ

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing								
20.5									-18.5	SC	SILTY SAND, fine to coarse grained, white, trace of gravel, very dense, NATURAL	
21.0					D 21.00 - 21.29 m SPT = 13, 30/140 N>50				-19.0	CL	SANDY CLAY, low plasticity, dark grey, moist, NATURAL	
21.5									-19.5		SILTY CLAY, medium grained, grey, with clay, trace of gravel, moist, very dense, NATURAL	
22.0									-20.0	SM		
22.5					D 22.50 - 22.65 m SPT = 0, 0, 0 N=0				-20.5			
23.0									-21.0		SILTY CLAY, low plasticity, dark grey, trace of sand, organic odor, very soft, NATURAL	
23.5									-21.5			
24.0					D 24.00 - 24.45 m SPT = 0, 0, 4 N=4				-22.0	CL		
24.5									-22.5			
									-23.0			

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Project: 05SRW01 - RETAINING WALL	Job No: 10415 - 05SRW01	Sheet: 6 of 7
Location: BROADBEACH	Angle from Horizontal: 90°	Surface Elevation: 1.953 m AHD
Position: E86347.707 N54022.177 56 MGA94	Bit:	Driller: MD
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Casing Diameter:	Logged By: FJ	Date Logged: 7/12/12
Date Started: 7/12/12	Date Completed: 7/12/12	

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing								
25.5						D 25.50 - 25.95 m SPT = 0, 0, 4 N=4			-23.5		CL	SILTY CLAY, low plasticity, dark grey, trace of sand, organic odor, very soft, NATURAL
26.0									-24.0		CL	SILTY CLAY, low plasticity, dark grey, trace of sand and shells, organic odor, very soft, NATURAL
26.5									-24.5			
27.0									-25.0		CL	SILTY CLAY, low plasticity, dark grey, trace of sand and shells, organic odor, dry to moist, very soft, NATURAL
27.5									-25.5		CL	
28.0									-26.0			
28.5									-26.5			
29.0									-27.0		CL	SILTY CLAY, low plasticity, dark grey, trace of sand, organic odor, dry to moist, very soft, NATURAL
29.5									-27.5		CL	
									-28.0			

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Position: E86347.707 N54022.177 56 MGA94	Bit:	Driller: MD
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Casing Diameter:	Date Started: 7/12/12	Date Logged: 7/12/12
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Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing								
30.00 - 30.45 m						SPT = 0, 1, 5 N=6						SILTY CLAY, low plasticity, dark grey, trace of sand, organic odor, dry to moist, very soft, NATURAL
30.5									-28.5		CL	
31.0									-29.0			
31.50 - 31.75 m						SPT = 15, 30/100 N>50			-29.5		SM	SILTY SAND, fine to coarse grained, grey/green, trace of rock, moist, NATURAL
32.0									-30.0		XW	SILTSTONE, fine to coarse grained, grey/green, extremely low strength, extremely weathered
BOREHOLE TERMINATED AT 32.00 m												

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