



BH 432&433

Site: The Lakes (2012) Ltd; Stage 2H - Post construction boreholes

Sheet: 1 Of: 1

Job No. 20533

Date Excavated: 23/3/2014

Logged By: N.I

Description of Soil	Soil Symbol	Depth (m)	Scala blows/100 mm	Groundwater	Undrained Shear Strength (kPa)	Undrained Shear Strength (kPa)		
						50	100	150
BH 432								
TOPSOIL 50 mm	Fill 	0.5		not found	utp			v
SILT; sandy (vf); hard; wet; slightly cohesive; light grey light brown and orange mottles FILL			200+				v	
SILT; hard; wet; slightly cohesive; light grey			200+				v	
			utp				v	
End of borehole 1.0 m		1.0			utp			v
		1.5						
		2.0						
BH 433								
TOPSOIL 80 mm	Fill 	0.5		not found	utp			v
SILT; sandy (vf); hard; wet; slightly cohesive; light grey dark brown and orange mottles FILL becomes saturated			200+				v	
SILT; hard; wet; slightly cohesive; light grey			200+				v	
			utp				v	
End of borehole 1.0 m		1.0			utp			v
		1.5						
		2.0						

EXCAVATION METHOD: 50mm Diameter Hand Auger



BH 434&435

Site: The Lakes (2012) Ltd; Stage 2H - Post construction boreholes

Sheet: 1 Of: 1

Job No. 20533

Date Excavated: 23/3/2014

Logged By: N.I

Description of Soil	Soil Symbol	Depth (m)	Scala blows/100 mm	Groundwater	Undrained Shear Strength (kPa)	Undrained Shear Strength (kPa)				
						50	100	150		
BH 434										
TOPSOIL 50 mm	Fill 			not found	utp			>		
SILT; sandy (vf); hard; wet; slightly cohesive; light grey light brown and orange mottles FILL to 350 mm depth							utp			>
SAND (m-c); medium dense; wet; light brown grey		0.5					utp			>
SILT; sandy (vf); hard; moist; friable; light grey							utp			>
SAND (vf); dense; dry; light grey		1.0					utp			>
End of borehole 1.0 m										
		1.5								
		2.0								
BH 435										
TOPSOIL 150 mm	Fill 			not found	119					
SILT; slightly sandy; very stiff; wet; slightly cohesive; pink orange brown and light grey mottles FILL						utp			>	
SILT; clayey; hard; moist; slightly cohesive; orange brown; dark brown and light grey mottles FILL		0.5				utp			>	
						utp			>	
End of borehole 1.0 m		1.0				utp			>	
		1.5								
		2.0								

EXCAVATION METHOD: 50mm Diameter Hand Auger



BH 436A&436B

Site: The Lakes (2012) Ltd; Stage 2H

Sheet: 1 Of: 1

Job No. 20533

Date Excavated: 23/3/2014

Logged By: N.I

Description of Soil	Soil Symbol	Depth (m)	Scale blows/100 mm	Groundwater	Undrained Shear Strength (kPa)	Undrained Shear Strength (kPa)				
						50	100	150		
BH 436A										
SILT; clayey; slightly sandy; stiff; moist; slightly cohesive; orange brown; dark brown and light grey mottles Recent FILL	Fill 	0.5		not found	86					
SILT; sandy (f-m); hard; moist; friable; light brown grey orange brown and light grey mottles SUBDIVISION FILL					utp					
SILT; clayey; slightly sandy; hard; moist; slightly cohesive; orange brown; dark brown and light grey mottles SUBDIVISION FILL					utp					
End of borehole 1.0 m					utp					
		1.5								
		2.0								
BH 436B										
SILT; clayey; slightly sandy; stiff; moist; slightly cohesive; orange brown; dark brown and light grey mottles RECENT FILL	Fill 	0.5		not found	110					
TOPSOIL 100 mm					42					
SILT; sandy (f-m); very stiff; moist; friable; light brown grey orange brown and light grey mottles SUBDIVISION FILL					169					
End of borehole 0.8 m					154					
		1.0								
		1.5								
		2.0								

EXCAVATION METHOD: 50mm Diameter Hand Auger



Borehole No. MB 21

Site: Pyes Pa West Urbanisation

Sheet: 1 Of: 3

Job No. 16944

Date Excavated: 29/4/03

RL Ground:

Logged By: MA

Description of Soil	Soil Symbol	Depth (m)	SPT	GROUNDWATER	CORE RECOVERY	Undrained Shear Strength (kPa)			
						50	100	150	
PEAT: Youthfull ; spongy, Dark brown, soft, highly compressible. Core recovered in excellent condition. spongy peat: Core in excellent condition spongy peat: Core in excellent condition PEAT Non ORGANIC BOTTOM OF PEAT CLAY: Cream grey, soft	{ { { { { { { { { {	0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5		* DURING DRILLING 100% 100% 100%					

EXCAVATION METHOD: 100mm φ Machine Auger Et Hollow SPT



Borehole No. MB 21

Site: Pyes Pa West Urbanisation

Sheet: 2 Of: 3

Job No. 16944

Date Excavated: 29/4/03

RL Ground:

Logged By: MAA

Description of Soil	Soil Symbol	Depth (m)	SPT	CORE RECOVERY	Undrained Shear Strength (kPa)			
					50	100	150	
CLAY : cream grey , soft , sensitive	[Hatched pattern]	4.0						
		5.0						
		5.5			90%			
		6.0	0		0.0%			
pumiceous pale grey clay , consistency of axle grease , firm but sensitive and dilatant	[Hatched pattern]	6.5	0					
		7.0	0		80%			
SPT 450 . Silty pale grey pumiceous clay , firm but sensitive and dilatant	[Hatched pattern]	7.5	0					
		8.0	0					
CLAY : pumiceous , slightly cohesive grey , firm but sensitive and dilatant	[Hatched pattern]	8.5						
		9.0			60%			
		9.5						

EXCAVATION METHOD: 100mm ϕ Machine Auger et Hollow SPT.



Borehole No. MB 21

Site: Pyes Pa West Urbanisation

Sheet: 3 of 3

Job No. 16944

Date Excavated: 29/4/03

RL Ground:

Logged By: MAA

Description of Soil

Soil Symbol

Depth (m)

Undrained Shear Strength (kPa)

50 100 150

SPT : NO RECOVERY

SINKS UNDER WEIGHT OF RODS
N=0

EOB @ 9.5m : TARGET DEPTH

EXCAVATION METHOD: 100mm ϕ Machine Auger Et Hollow SPT



Borehole No. MB 22

Site: Pyes Pa West Urbanisation

Sheet: 1 Of: 3

Job No. 16944

Date Excavated: 29/4/03

RL Ground:

Logged By: MAA

Description of Soil	Soil Symbol	Depth (m)	GROUND WATER	CORE RECOVERY	Undrained Shear Strength (kPa)		
					50	100	150
<p>SILT : Brown, soft with 20-30% peaty wood : core in excellent condition</p>	<p>PEAT / ORGANIC SEDIMENTS</p>	0	<p>DURING DRILLING</p>	<p>100%</p>			
		0.1					
		0.2					
		0.3					
		0.4					
		0.5					
		0.6					
		0.7					
		0.8					
		0.9					
<p>PEAT. Youthfull, spongy, fibrous Dark brown, soft, highly compressible : core in excellent condition</p>	<p>PEAT / ORGANIC SEDIMENTS</p>	1.0	<p>100%</p>	<p>100%</p>			
		1.1					
		1.2					
		1.3					
		1.4					
		1.5					
		1.6					
		1.7					
		1.8					
		1.9					
<p>CLAY : Pumiceous, slightly cohesive cream, soft, sensitive : consistency of axle greese</p>	<p>NON ORGANIC</p>	2.0	<p>100%</p>	<p>100%</p>			
		2.1					
		2.2					
		2.3					
		2.4					
		2.5					
		2.6					
		2.7					
		2.8					
		2.9					

EXCAVATION METHOD: 100mm ϕ Machine Auger Et Hollow SPT



Borehole No. MB 22

Site: Pyes Pa West Urbanisation

Sheet: 2 Of: 3

Job No. 16944

Date Excavated: 29/4/03

RL Ground:

Logged By: M.H.

Description of Soil	Soil Symbol	Depth (m)	SPT	CORE RECOVERY	Undrained Shear Strength (kPa)		
					50	100	150
CLAY : pumiceous, slightly cohesive cream, soft, sensitive core in excellent condition	CLAY	5.0					
		5.5					
SPT 450 : Very silty pale grey clay RECOVERY soft to firm but sensitive	CLAY	6.0					
		6.5					
	CLAY	7.0					
		7.5					
	CLAY	8.0					
		8.5					
	CLAY	9.0					
		9.5					

100%

FELL UNDER WEIGHT OF RODS
N=0

FELL UNDER WEIGHT OF RODS
N=0

60%

EXCAVATION METHOD: 100mm Ø Machine Auger Et HOLLOW SPT

