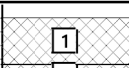
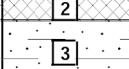

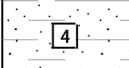





Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP812 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459299.5 E 219978.5 N Ground Level 69.55 m OD










Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
G.L.				MADE GROUND: Dark brown gravelly slightly silty sand with many roots and rootlets (up to 40mm in diameter). Gravel is angular to subangular fine to coarse brick fragments, flint, clinker and slag.	G.L.		69.55
0.20	B				0.30		69.25
0.20	D				0.45		69.10
0.20	ES		PID=<0.1	MADE GROUND: Grey sandy gravel with a medium cobble content of limestone. Gravel is angular to subangular fine to coarse limestone.	0.90		68.65
0.20	B						
0.40	B						
0.50	B						
0.50	D						
0.80	ES		Av=96kPa PID=<0.1	POSSIBLE MADE GROUND: Firm orangish brown mottled grey slightly sandy clay with occasional rootlets.			
0.80	HV			Below 0.60m, rootlets absent.			
0.80							
1.00	B		mc=29%				
1.00	D		Av=49kPa	Firm light orangish brown mottled light grey slightly sandy CLAY with occasional shell fragments (up to 35mm in size).	2.00		67.55
1.30	HV						
1.50	D						
2.00	B						
2.00	D						
2.00	HV		Av=57kPa	Below 1.90m, shells absent.			
2.50	D			Firm dark brownish grey slightly sandy CLAY.			
2.70	HV		Av=50kPa				
3.00	D			End of Excavation	3.00		66.55

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	15/07/2020	Length (C)	2.00			
Shoring	None.	Orientation	069 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	15/07/2020			


Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
Symbols and abbreviations are explained on the accompanying key sheet.			06/11/2020
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP813 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459418.7 E 219894.9 N Ground Level 65.86 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.20	B			MADE GROUND: Firm dark greyish brown slightly sandy slightly gravelly clay with many rootlets. Gravel is angular to subangular fine to coarse asphalt, clinker and brick.	G.L.		65.86
0.10	ES		PID=<0.1		0.30		65.56
0.20	D		mc=17%		0.70		65.16
0.30- 0.70	B						
0.40	D						
0.50	ES			MADE GROUND: Stiff brown mottled grey slightly sandy slightly gravelly clay with occasional rootlets. Gravel is angular to subangular fine to medium brick.			
0.50	HV		Av=110kPa				
0.70- 1.20	B		PID=<0.1	Below 0.40m, rootlets absent.			
0.70- 1.20	B						
0.95	ES				1.50		64.36
0.95	D		PID=<0.1				
1.00	HV		mc=28%				
1.00	D		Av=82kPa				
1.50- 2.00	B			Firm grey mottled orangish brown slightly sandy slightly gravelly calcareous CLAY. Gravel is angular to subangular fine to medium limestone.			
2.00	D						
2.00	HV		Av=70kPa	Firm brown mottled grey slightly sandy CLAY.	2.30		63.56
2.30- 2.50	B				2.50		63.36
2.40	D			End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	14/07/2020	Length (C)	2.50			
Shoring	None.	Orientation	145 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	14/07/2020			

Remarks				Logged by	MM
ES sample = 2 x vial, 1 x plastic jar and 2 amber jar				Figure	1 of 1
Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.					06/11/2020
Backfill details from base of hole: arisings up to ground level.					
Symbols and abbreviations are explained on the accompanying key sheet.					
All dimensions are in metres.					
Logged in accordance with BS5930:2015					

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP814 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459280.1 E 219891.0 N Ground Level 67.41 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			MADE GROUND: Firm dark grey slightly sandy slightly gravelly clay with a low cobble content of subangular brick and slag, a metal rod (0.30m in length, 20mm thick), many roots (up to 15mm in size) and rootlets.	G.L.		67.41
0.20	ES		PID=<0.1		0.40	1	67.01
0.30	D			MADE GROUND: Stiff grey slightly sandy slightly gravelly clay. Gravel is angular to subangular fine brick and pottery.	0.70	2	66.71
0.40- 0.70	B						
0.50	ES		Av=105kPa	Firm orangish brown mottled light grey calcareous CLAY with many shell fragments (up to 30mm in size) and occasional gypsum crystals (up to 8mm in size).	1.20	3	66.21
0.50	HV		PID=<0.1		1.50	4	65.91
0.60	D			Firm grey slightly sandy slightly gravelly calcareous CLAY with a low cobble content of subangular limestone and occasional decomposed rootlets (up to 1mm in size). Gravel is angular to subangular fine to coarse limestone.			
0.70- 1.00	B				2.40	5	65.01
0.70- 1.00	B			Firm grey mottled light grey calcareous CLAY.	2.50	6	64.91
0.95	ES		PID=<0.1				
1.00	HV		Av=75kPa	Firm brown mottled grey slightly sandy CLAY.			
1.10	D		mc=21%				
1.20- 1.50	B			End of Excavation			
1.20- 1.50	B						
1.40	D						
1.50- 2.00	B						
1.70	ES		Av=65kPa				
1.90	HV						
2.00	D						
2.40- 2.50	B						
2.45	D						


Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.69	Depth Observed	Depth of Pit	Details
Date	14/07/2020	Length (C)	1.90			
Shoring	None.	Orientation	040 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	14/07/2020			

Remarks				Logged by	MM
ES sample = 2 x vial, 1 x plastic jar and 2 amber jar				Figure	1 of 1
Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.					06/11/2020
Backfill details from base of hole: arisings up to ground level.				geotechnics	
Symbols and abbreviations are explained on the accompanying key sheet.					
All dimensions are in metres.					
Logged in accordance with BS5930:2015					

Project GRAVEN HILL, BICESTER, LAND TRANSFER Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP815
 AREA 2 (LTA2) Project No PC207899
 Client GRAVEN HILL VILLAGE DEVELOPMENT National Grid 459161.5 E
 COMPANY LIMITED Coordinates 219951.8 N Ground Level 70.01 m OD









Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			MADE GROUND: Firm dark brownish grey slightly sandy slightly gravelly clay with many rootlets (up to 40mm in diameter) Gravel is angular to subangular fine to medium limestone, flint, brick and slag.	G.L.		70.01
0.15	ES						
0.15			PID=<0.1		0.40	1	69.61
0.25	D						
0.40- 0.80	B						
0.40- 0.80	B			MADE GROUND: Stiff brown mottled grey slightly sandy slightly gravelly clay with occasional shell fragments (up to 20mm in size). Gravel is angular to subangular fine limestone and slag.	0.80	3	69.21
0.45	ES				1.00		69.01
0.45			PID=<0.1				
0.50	HV		Av=120kPa				
0.60	D						
0.80- 1.00	B			Stiff bluish grey mottled brown slightly sandy CLAY with occasional rootlets.			
0.80- 1.00	B						
0.90	D		mc=29%			4	
0.90	D		Av=102kPa				
0.90	HV						
1.00- 1.50	B			Firm brown mottled grey slightly sandy slightly gravelly calcareous CLAY with occasional shell fragments (up to 15mm in size) and occasional gypsum crystals (up to 2mm in size). Gravel is angular to subangular fine to medium limestone.	1.90		68.11
1.00- 1.50	B						
1.10	ES		PID=<0.1				
1.10						5	
1.10	D						
1.50	D			Firm grey mottled brown and light grey slightly sandy slightly gravelly calcareous CLAY with occasional shell fragments (up to 20mm in size), occasional pockets (up to 300mm in size) of soft to firm orangish brown sandy clay and rare pockets (up to 200mm in size) of dark grey decomposed organic material with an organic odour.	2.70		67.31
1.50	HV		Av=75kPa				
1.80	ES		PID=<0.1				
1.80							
2.00- 2.50	B						
2.30	D			End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	15/07/2020	Length (C)	2.70			
Shoring	None.	Orientation	090 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	15/07/2020			


Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MM
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
Symbols and abbreviations are explained on the accompanying key sheet.			06/11/2020
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP816 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459214.5 E 219746.0 N Ground Level 68.08 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10	B			MADE GROUND: Dark brown slightly sandy slightly gravelly silt with many rootlets and roots (up to 6mm in size) and a low cobble content of subangular limestone. Gravel is angular to subrounded fine to coarse limestone and quartzite.	G.L.		68.08
0.10	D				0.20		67.88
0.10	ES		PID=<0.1				
0.10							
0.40	B			MADE GROUND: Stiff light brown mottled light grey slightly sandy slightly gravelly clay with occasional rootlets. Gravel is angular to subangular fine to coarse limestone, brick and flint.	1.00		67.08
0.40	D				1.30		66.78
0.40	ES		PID=<0.1				
0.40							
0.50	HV		Av=130kPa	Below 0.85m, becoming firm.			
1.00	B						
1.00	D						
1.00	ES						
1.00	HV		Av=68kPa	POSSIBLE MADE GROUND: Dark grey mottled dark reddish brown slightly sandy SILT with many rootlets and rare roots (up to 15mm in size).			
1.00			PID=<0.1				
1.50	B						
1.50	D						
1.50	ES			Stiff light grey mottled light brown slightly sandy CLAY.			
1.50	HV		Av=83kPa				
1.50			PID=<0.1				
2.00	D						
2.50	D			Below 1.60m, with many shell fragments (up to 8mm in size).			
2.50	HV		Av=89kPa				
2.50							
2.50							
3.00	D			Below 2.40m, with many pockets (up to 60mm in size) of orangish brown silty sand.	3.00		65.08
3.00	HV		Av=57kPa				
				Below 2.50m, becoming firm with rare rootlets, many gypsum crystals (up to 3mm in size) and occasional pockets (up to 4mm in size) of grey silt.			
				End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	07/08/2020	Length (C)	2.90			
Shoring	None.	Orientation	174 deg	3.00	3.00	See page.
Stability	Stable during excavation.					
		Date Backfilled	07/08/2020			

Remarks				Logged by	MJ
ES sample = 2 x vial, 1 x plastic jar and 2 amber jar				Figure	1 of 1
Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.					06/11/2020
Backfill details from base of hole: arisings up to ground level.					
All dimensions are in metres.					
Logged in accordance with BS5930:2015					

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP817 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459468.1 E 219640.2 N Ground Level 62.94 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.15- 0.55	B			MADE GROUND: Concrete.	G.L.	1	62.94
0.15	D				0.15	2	62.79
0.25	ES			MADE GROUND: Light brown slightly sandy slightly silty gravel with a high cobble content of angular to subangular limestone. Gravel is angular to subrounded fine to coarse flint, quartzite and concrete.	0.55	3	62.39
0.30	D		PID=<0.1		0.70		62.24
0.55- 0.70	B			MADE GROUND: Soft greenish grey slightly sandy slightly gravelly clay with occasional pockets (up to 3mm in size) of dark grey organic clay.			
0.60	D					4	
0.60	ES		Av=28kPa PID=<0.1 mc=25%				
0.60	HV			Stiff orangish brown mottled grey slightly sandy CLAY with occasional gypsum crystals (up to 3mm in size).			
0.90	D		PID=<0.1		1.90		61.04
1.00	ES		Av=82kPa				
1.50	HV			Firm brown mottled yellowish brown slightly sandy CLAY with a strong organic odour and occasional gypsum crystals (up to 2mm in size).		5	
1.60	D		PID=<0.1				
1.70	ES						
1.70							
1.80- 2.30	B				2.70		60.24
2.00- 2.50	B						
2.00	HV		Av=67kPa				
2.30	D			End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	17/07/2020	Length (C)	2.40			
Shoring	None.	Orientation	040 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	17/07/2020			

Remarks				Logged by	MM
ES sample = 2 x vial, 1 x plastic jar and 2 amber jar				Figure	1 of 1
Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.					06/11/2020
Backfill details from base of hole: arisings up to ground level.				geotechnics	
Symbols and abbreviations are explained on the accompanying key sheet.					
All dimensions are in metres.					
Logged in accordance with BS5930:2015					

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP818 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459237.5 E 219602.2 N Ground Level 69.02 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.15	B			MADE GROUND: Firm dark brownish grey slightly sandy slightly gravelly clay with many rootlets and occasional roots (up to 20mm in diameter). Gravel is angular to subrounded fine to coarse flint and limestone.	G.L.		69.02
0.10	D				0.15		68.87
0.10	ES		PID=<0.1				
0.20- 0.80	B						
0.35	ES		PID=<0.1				
0.35				MADE GROUND: Stiff brown mottled grey slightly sandy slightly gravelly clay with many rootlets and occasional roots (up to 20mm in diameter). Gravel is angular to subrounded flint, brick, slag and limestone.	0.80		68.22
0.50	D						
0.50	HV		Av=122kPa		1.10		67.92
0.80- 1.10	B		mc=25%				
0.90	D						
1.00	ES			Stiff brown mottled grey slightly sandy CLAY with many rootlets, rare roots (up to 20mm in diameter) and occasional roots infilled with dark brown slightly sandy organic clay.			
1.00	HV		Av=97kPa				
1.00			PID=<0.1				
1.10- 1.60	B		mc=29%				
1.20	D				2.00		67.02
1.50	HV		Av=83kPa	Stiff light grey mottled orangish brown slightly sandy CLAY with occasional rootlets and rare roots (up to 5mm in diameter), and rare gypsum crystals (up to 2mm in size).			
1.80	D						
1.80	ES		PID=<0.1		2.50		66.52
1.90	D						
2.00- 2.50	B						
2.20	HV		Av=78kPa	Below 1.60m, becoming grey.			
2.30	D						
				Stiff dark grey mottled dark reddish brown slightly sandy CLAY with occasional gypsum crystals (up to 3mm in size), occasional decomposed organic material (up to 3mm in size) and occasional pockets (up to 30mm in size) of orangish brown sandy clay			
				End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	16/07/2020	Length (C)	2.40			
Shoring	None.	Orientation	005 deg			None encountered during excavation.
Stability	Stable during excavation.	Date Backfilled	16/07/2020			

Remarks				Logged by	MM
ES sample = 2 x vial, 1 x plastic jar and 2 amber jar				Figure	1 of 1
Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.					06/11/2020
Backfill details from base of hole: arisings up to ground level.				geotechnics	
Symbols and abbreviations are explained on the accompanying key sheet.					
All dimensions are in metres.					
Logged in accordance with BS5930:2015					

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP819 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459108.2 E 219648.6 N Ground Level 63.79 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.20	B			<p>MADE GROUND: Dark brown gravelly slightly silty sand with many roots and rootlets (up to 10mm in diameter). Gravel is angular to subangular fine to coarse glass, brick, metal nails and flint.</p> <p>PROBABLE MADE GROUND: Firm brown, occasionally mottled grey, slightly sandy clay with occasional rootlets.</p> <p>Below 0.50m, rootlets absent.</p> <p>Firm light grey mottled light brown slightly sandy CLAY.</p> <p>At 1.50m, with occasional pockets of gypsum crystals.</p>	G.L.		63.79
0.20	D				0.22		63.57
0.20	ES						
0.20			PID=<0.1		0.65		63.14
0.40	B						
0.40	D						
0.40	HV		Av=72kPa				
0.80	B						
0.80	D						
1.00	ES						
1.00	HV		Av=60kPa PID=<0.1 mc=27%	<p>Stiff dark brownish grey slightly sandy CLAY with a organic odour and occasional pockets (up to 10mm in size) of decomposed organic material.</p>			
1.00							
1.20	D						
1.70	D						
2.00	HV		Av=56kPa				
2.30	B			<p>End of Excavation</p>	2.30		61.49
2.30	D						
2.50	HV		Av=89kPa				
2.80	D				3.00		60.79

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	15/07/2020	Length (C)	2.00			
Shoring	None.	Orientation	013 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	15/07/2020			

Remarks ES sample = 2 x vial, 1 x plastic jar and 2 amber jar Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.				Logged by MJ Figure 1 of 1 06/11/2020
Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.				
Logged in accordance with BS5930:2015				

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP820 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459484.1 E 220034.9 N Ground Level 68.24 m OD






Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10	D			MADE GROUND: Asphalt.	G.L.		68.24
0.10	ES				0.10		68.14
0.10			PID=<0.1		0.20		68.04
0.25	D			MADE GROUND: Light brown sandy slightly silty gravel with a low cobble content of angular to subangular limestone. Gravel is angular to subangular fine to coarse limestone.			
0.25	ES		PID=<0.1		0.60		67.64
0.25			Av=42kPa				
0.70	HV			MADE GROUND: Black sandy very silty gravel with a medium cobble content of angular to subangular limestone. Gravel is angular to subangular fine to coarse ash, clinker, slag and quartzite.			
0.85	B		mc=35%				
0.85	D						
0.85	ES		PID=<0.1				
0.85							
1.30	B			Firm dark greenish grey sandy CLAY with occasional rootlets and roots (up to 5mm in size).			
1.30	D						
1.30	ES						
1.30			PID=<0.1				
1.50	HV		Av=55kPa	Below 1.15m, rootlets absent.			
2.00	D						
2.00	HV		Av=55kPa	Below 1.20m, with many gypsum crystals (up to 5mm in size) and occasional pockets (up to 4mm in size) of grey silt.	2.40		65.84
2.60	B						
2.60	D			Below 1.80m, becoming dark greenish grey.			
3.00	D			End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	31/07/2020	Length (C)	2.75			
Shoring	None.	Orientation	220 deg			None encountered during excavation.
Stability	Stable during excavation.	Date Backfilled	31/07/2020			


Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
	Backfill details from base of hole: arisings up to ground level.		06/11/2020
Symbols and abbreviations are explained on the accompanying key sheet.			
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP821 Project No PC207899





Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459455.5 E 220027.9 N Ground Level 68.48 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10	B			MADE GROUND: Dark brown slightly gravelly slightly clayey sand with many rootlets and roots (up to 20mm in diameter). Gravel is angular to subangular fine to coarse brick, limestone and clinker.	G.L.		68.48
0.10	D				0.20		68.28
0.10	ES		PID=<0.1				
0.10							
0.40	B			MADE GROUND: Stiff dark orangish brown slightly sandy slightly gravelly clay with occasional rootlets. Gravel is angular to subangular fine to coarse brick, granite, limestone and pottery.			
0.40	D						
0.40	ES		PID=<0.1				
0.40							
1.00	HV		Av=130kPa	0.50m, a clay land drain (100mm in diameter).	1.10		67.38
1.30	B			Below 0.60m, rootlets absent.			
1.30	D			At 1.00m, a clay land drain (100mm in diameter).			
1.30	ES		PID=<0.1				
1.30							
1.60	D			Stiff light brown mottled light grey slightly sandy CLAY with occasional shell fragments (up to 10mm in size) and occasional relic rootlets.	1.80		66.68
2.00	B						
2.00	D						
2.00	ES		PID=<0.1				
2.00				Firm to stiff dark greyish brown mottled light brown sandy CLAY with many gypsum crystals (up to 6mm in size).			
2.50	D						
3.00	D			End of Excavation	3.00		65.48


Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	31/07/2020	Length (C)	2.60			
Shoring	None.	Orientation	338 deg			None encountered during excavation.
Stability	Stable during excavation.	Date Backfilled	31/07/2020			

Remarks				Logged by	MJ
ES sample = 2 x vial, 1 x plastic jar and 2 amber jar				Figure	1 of 1
Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.					06/11/2020
Backfill details from base of hole: arisings up to ground level.					
All dimensions are in metres.				Logged in accordance with BS5930:2015	

Project GRAVEN HILL, BICESTER, LAND TRANSFER Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP822
 AREA 2 (LTA2) Project No PC207899
 Client GRAVEN HILL VILLAGE DEVELOPMENT National Grid 459421.5 E
 COMPANY LIMITED Coordinates 219984.9 N Ground Level 67.77 m OD









Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.15	D			MADE GROUND: Asphalt.	G.L.		67.77
0.15	ES			MADE GROUND: Light brown slightly gravelly slightly silty sand. Gravel is angular to subangular fine to coarse limestone.	0.15		67.62
0.15			PID=<0.1				
0.25	D						
1.00	B			Firm light orangish brown mottled light grey sandy CLAY.	0.80		66.97
1.00	D						
1.00	ES						
1.00	HV		Av=48kPa				
1.00			PID=<0.1				
1.50	D			Below 1.40m, with occasional pockets (up to 25mm in size) of orangish brown silty sand.			
1.50	HV		Av=64kPa				
2.00	HV		Av=71kPa				
2.30	B			Firm dark greyish brown mottled light brown slightly sandy CLAY with many gypsum crystals (up to 8mm in size).	2.10		65.67
2.30	D						
2.30	ES						
2.30			PID=<0.1	Below 2.60m, becoming grey.			
3.00	D			End of Excavation	3.00		64.77

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	31/07/2020	Length (C)	2.40			
Shoring	None.	Orientation	044 deg	0.70	0.80	Moderate inflow.
Stability	Stable during excavation.					
		Date Backfilled	31/07/2020			

Remarks				Logged by	MJ
ES sample = 2 x vial, 1 x plastic jar and 2 amber jar				Figure	1 of 1
Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.					06/11/2020
Backfill details from base of hole: arisings up to ground level.					
Symbols and abbreviations are explained on the accompanying key sheet.					
All dimensions are in metres.					
Logged in accordance with BS5930:2015					

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP823 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459351.3 E 220009.2 N Ground Level 69.88 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10	ES		PID=<0.1	MADE GROUND: Asphalt.	G.L.		69.88
0.10				MADE GROUND: Weak grey concrete, 50% aggregate of subangular limestone.	0.10		69.78
0.50	B				0.20		69.68
0.50	D				0.30		69.58
0.50	ES		PID=<0.1	MADE GROUND: Reddish brown silty sand and gravel. Gravel is angular to subangular fine to coarse granite.	0.37		69.51
0.60	HV		Av=70kPa		0.57		69.31
0.70	B						
0.70	D						
0.70	ES		PID=<0.1	MADE GROUND: Dark yellowish brown gravelly silty sand. Gravel is angular to subrounded fine to coarse limestone.	1.45		68.43
1.00	HV		Av=79kPa				
1.20	D						
1.50	HV		Av=62kPa	MADE GROUND: Dark reddish grey and brown silty sand and gravel. Gravel is angular to subangular fine to coarse limestone.	2.50		67.38
1.60	B						
1.60	D						
1.60	ES		PID=<0.1	MADE GROUND: Firm greenish grey mottled grey slightly sandy clay with relict rootlets.			
2.00	HV		Av=61kPa				
2.10	D			Firm brownish orange mottled light grey slightly sandy CLAY.			
2.50	HV		Av=64kPa				
2.60	B						
2.60	D			Below 1.80m, becoming light brownish orange.			
2.60	ES		PID=<0.1	Stiff dark brownish grey slightly sandy CLAY with slight organic odour.	3.00		66.88
2.60				End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	16/07/2020	Length (C)	2.50			
Shoring	None.	Orientation	006 deg			None encountered during excavation.
Stability	Stable during excavation.	Date Backfilled	16/07/2020			








Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
	Backfill details from base of hole: arisings up to ground level.		06/11/2020
Symbols and abbreviations are explained on the accompanying key sheet.			
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Project	GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2)	Engineer	WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED		Trial Pit Project No	TP824 PC207899	
Client	GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED	National Grid Coordinates	459267.9	E	Ground Level	69.48	m OD
			219952.9	N			

Samples and Tests				Strata	Scale 1:50			
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD	
					G.L.		69.48	
0.20	B			MADE GROUND: Dark brown gravelly slightly silty sand with many roots and rootlets (up to 10mm in diameter). Gravel is angular to subangular fine to medium brick fragments and flint.	0.30	1	69.18	
0.20	D					2	68.78	
0.20	ES					3	68.48	
0.40	B		PID=<0.1		PROBABLE MADE GROUND: Firm orangish brown mottled grey slightly sandy clay with occasional rootlets.	0.70		68.33
0.40	D		mc=25%			1.00	4	68.48
0.40	D		mc=24%	POSSIBLE MADE GROUND: Firm light grey and light brown slightly sandy CLAY.	1.15		68.33	
0.75	HV		Av=57kPa					
0.80	B							
0.80	D							
1.10	B							
1.10	D			Soft dark grey sandy CLAY with pockets (up to 100mm in size) of decomposed organic material.				
1.10	ES							
1.20	HV		PID=<0.1	Stiff light grey mottled light brown slightly sandy CLAY with occasional shell fragments (up to 5mm in size).		5		
1.30	B		Av=74kPa					
1.30	D		mc=26%					
1.80	D							
2.00	HV		Av=60kPa	Below 1.90m, becoming firm.				
2.30	D							
2.50	HV		Av=53kPa	Below 2.50m, becoming light grey occasionally mottled light brown.				
2.70	B							
2.70	D							
				End of Excavation	3.00		66.48	

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP825 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459127.7 E 219954.6 N Ground Level 70.45 m OD






Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.20	B			MADE GROUND: Firm dark grey slightly sandy slightly gravelly clay with many rootlets and occasional roots (up to 6mm in size). Gravel is angular to subrounded fine to coarse sandstone, limestone and brick fragments.	G.L.		70.45
0.10	D				0.20		70.25
0.10	ES		PID=<0.1		0.50		69.95
0.20- 0.50	B				0.80		69.65
0.20	D				1.10		69.35
0.30	D			MADE GROUND: Firm brown mottled grey slightly sandy slightly gravelly clay with many pockets (up to 120mm in size) of black sandy ash, a low cobble content of limestone, and occasional rootlets and roots (up to 6mm in diameter). Gravel is angular to subangular fine to coarse limestone.	2.00		68.45
0.40	ES		PID=<0.1		2.50		67.95
0.40	B		Av=120kPa				
0.55- 0.80	HV		mc=30%				
0.70	D						
0.80- 1.10	B			MADE GROUND: Stiff brown mottled grey slightly sandy slightly gravelly clay. Gravel is angular fine to medium brick fragments, limestone and occasional shell fragments (up to 10mm in size).			
1.00	D		Av=103kPa				
1.00	HV						
1.10- 1.50	B		PID=<0.1				
1.20	ES						
1.20	D			Stiff fissured grey mottled brown slightly sandy CLAY with occasional shells (up to 15mm in size). Fissures are very closely to closely spaced, randomly orientated, smooth and polished.			
1.30	D						
1.50	HV		Av=85kPa				
1.80	ES		PID=<0.1				
1.80	D						
2.00- 2.50	B			Firm to stiff brown mottled grey slightly sandy slightly gravelly calcareous CLAY with occasional shell fragments (up to 15mm in size). Gravel is angular to subangular fine to medium limestone.			
2.20	HV		Av=87kPa				
2.40	D						
				Firm to stiff grey mottled light grey and brown slightly sandy slightly gravelly calcareous CLAY with occasional shells (up to 20mm in size), occasional pockets (up to 200mm in size) of firm orangish brown sandy clay, and rare pockets (up to 20mm in size) of decomposed organic material.			
				End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	15/07/2020	Length (C)	2.70			
Shoring	None.	Orientation	090 deg			None encountered during excavation.
Stability	Stable during excavation.	Date Backfilled	15/07/2020			


Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MM
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
	Backfill details from base of hole: arisings up to ground level.		06/11/2020
Symbols and abbreviations are explained on the accompanying key sheet.			
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP826 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 458980.9 E 219897.6 N Ground Level 68.90 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.06	ES		PID=<0.1	MADE GROUND: Asphalt.	G.L.		68.90
0.06					0.15		68.75
0.40	B			MADE GROUND: Black very gravelly silty sand with high cobble content of angular to subangular limestone. Gravel is angular to subangular fine to coarse flint, brick, ash, clinker, slag and limestone	0.50		68.40
0.40	D						
0.40	ES		PID=<0.1				
0.40			Av=75kPa	Between 0.40-0.45m, thin band of yellowish brown limestone.			
0.60	HV		mc=30%				
0.70	B		Av=73kPa	Firm light grey slightly sandy calcareous CLAY with occasional shell fragments (up to 8mm in size) and occasional decomposed organic matter (up to 20mm in size).			
0.70	D						
1.00	HV						
1.50	D				1.90		67.00
1.50	ES		Av=76kPa				
1.50	HV		PID=<0.1				
2.00	B			Firm dark grey mottled light brown slightly sandy calcareous CLAY with many pockets (up to 10mm in size) of decomposed organic material.			
2.00	D		mc=36%				
2.00	HV		Av=62kPa				
2.50	D			Below 2.50m, with many shell fragments (up to 50mm in size).	2.80		66.10
2.50	HV		Av=58kPa		3.00		65.90
2.80	D			Stiff dark brownish grey slightly sandy CLAY with slight organic odour.			
2.90	B						
2.90	D			Between 3.00-3.15m, a pocket (150mm in size) of orangish brown silty sand.			
				End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	16/07/2020	Length (C)	2.50			
Shoring	None.	Orientation	006 deg	3.00	3.00	Seepage.
Stability	Stable during excavation.					
		Date Backfilled	16/07/2020			

Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
Symbols and abbreviations are explained on the accompanying key sheet.	Backfill details from base of hole: arisings up to ground level.		06/11/2020
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP827 Project No PC207899











Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 458985.9 E 219810.4 N Ground Level 66.84 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.08	ES			MADE GROUND: Asphalt.	G.L.		66.84
0.08			PID=<0.1		0.15		66.69
0.30	B			MADE GROUND: Black very gravelly silty sand with a slight hydrocarbon odour and a high cobble and boulder content of angular to subangular brick, slag and limestone. Gravel is angular to subangular fine to coarse slag, chalk, brick, limestone and tarmac.			
0.30	ES		PID=<0.1				
0.50	B		Av=49kPa		0.70		66.14
0.75	HV						
0.80	B			Below 0.35m, becoming slightly gravelly.			
0.80	D						
0.80	ES						
0.80			PID=<0.1	POSSIBLE MADE GROUND: Light grey mottled greenish brown slightly sandy calcareous CLAY with occasional shell fragments (up to 6mm in size) and occasional relict rootlets.			
1.00	HV		Av=56kPa				
1.40	D				1.80		65.04
1.50	HV		Av=48kPa				
1.70	D						
1.70	ES			Below 1.60m, with many pockets (up to 20mm in size) of decomposed organic material.			
1.70			PID=<0.1				
1.90	B						
1.90	D			Firm dark grey occasionally mottled light brown slightly sandy calcareous CLAY with many pockets (up to 40mm in size) of decomposed organic material.			
2.00	HV		Av=52kPa				
2.50	D				3.00		63.84
3.00	D			End of Excavation			


Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	16/07/2020	Length (C)	2.40			
Shoring	None.	Orientation	162 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	16/07/2020			

Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
Symbols and abbreviations are explained on the accompanying key sheet.	Backfill details from base of hole: arisings up to ground level.		06/11/2020
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Project GRAVEN HILL, BICESTER, LAND TRANSFER Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP828
 AREA 2 (LTA2) Project No PC207899
 Client GRAVEN HILL VILLAGE DEVELOPMENT National Grid 458846.5 E
 COMPANY LIMITED Coordinates 219818.7 N Ground Level 67.15 m OD










Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10	B			MADE GROUND: Dark brown gravelly slightly silty sand with many rootlets and roots (up to 10mm diameter). Gravel is angular to subangular fine to coarse brick fragments, clinker, slag, flint and limestone.	G.L.		67.15
0.10	D				0.20		66.95
0.10	ES		PID=<0.1				
0.10							
0.30	B			MADE GROUND: Stiff light brown mottled light grey slightly sandy slightly gravelly clay with occasional rootlets. Gravel is angular to subangular fine to medium brick fragments, clinker and ash.	0.70		66.45
0.30	D						
0.30	ES		Av=130kPa PID=<0.1				
0.30	HV						
0.80	B		mc=26%	Firm light brown mottled light grey slightly sandy CLAY with occasional rootlets. Below 0.90m, rootlets absent. Below 1.30m, predominantly light grey occasionally light brown mottled and with many shell fragments (up to 6mm in size). Firm dark grey mottled light brown slightly sandy CLAY with many pockets (up to 20mm in size) of decomposed organic material.	1.40		65.75
0.80	D						
0.80	ES		PID=<0.1 Av=64kPa				
0.80							
1.00	HV			Below 1.30m, predominantly light grey occasionally light brown mottled and with many shell fragments (up to 6mm in size). Firm dark grey mottled light brown slightly sandy CLAY with many pockets (up to 20mm in size) of decomposed organic material.			
1.40	B						
1.40	D		PID=<0.1 Av=61kPa		2.50		64.65
1.40	ES						
1.40				Stiff dark brownish grey slightly sandy CLAY with a slight organic odour.			
1.50	HV						
2.00	D		Av=62kPa		3.00		64.15
2.00	HV						
2.70	B			End of Excavation			
2.70	D		mc=43%				
2.70							

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	16/07/2020	Length (C)	2.10			
Shoring	None.	Orientation	098 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	16/07/2020			

Remarks				Logged by	MJ
ES sample = 2 x vial, 1 x plastic jar and 2 amber jar				Figure	1 of 1
Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.					06/11/2020
Backfill details from base of hole: arisings up to ground level.					
Symbols and abbreviations are explained on the accompanying key sheet.					
All dimensions are in metres.					
Logged in accordance with BS5930:2015					

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP829 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 458556.0 E 219889.9 N Ground Level 67.79 m OD

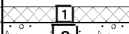

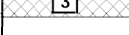
Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Dark brown slightly sandy slightly gravelly silt with many rootlets and occasional roots (up to 6mm in diameter). Gravel is angular to subrounded fine to coarse quartzite and flint.	G.L.		67.79
0.20	B				0.25		67.54
0.20	D				0.35		67.44
0.20	ES		PID=<0.1				
0.50	B			PROBABLE MADE GROUND: Firm light grey and light brown slightly sandy slightly gravelly clay. Gravel is angular to subrounded fine to coarse quartzite.	0.80		66.99
0.50	D		mc=22%				
0.50	ES		Av=61kPa				
0.50	HV		PID=<0.1	Firm light grey mottled light brown slightly sandy CLAY with many shell fragments (up to 10mm in size).			
1.00	B				1.90		65.89
1.00	D						
1.00	ES			Firm dark grey slightly sandy CLAY with occasional pockets (up to 4mm in size) of grey silt, occasional pockets (up to 20mm in size) decomposed organic material, occasional shell fragments (up to 25mm in size) and many relict rootlets			
1.00	HV		Av=72kPa				
1.00	B		PID=<0.1				
2.00	D						
2.00	HV		Av=84kPa				
2.50	D			Stiff dark grey mottled brown sandy CLAY with many shell fragments (up to 20mm in size) and occasional pockets (up to 20mm in size) of decomposed organic material.	2.80		64.99
3.00	B				3.00		64.79
3.00	D			Stiff grey slightly sandy CLAY with many shell fragments (up to 80mm in size).			
				End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	07/08/2020	Length (C)	3.00			
Shoring	None.	Orientation	086 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	07/08/2020			


Remarks				Logged by	MJ
ES sample = 2 x vial, 1 x plastic jar and 2 amber jar				Figure	1 of 1
Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.					06/11/2020
Backfill details from base of hole: arisings up to ground level.				geotechnics	
Symbols and abbreviations are explained on the accompanying key sheet.					
All dimensions are in metres.					
Logged in accordance with BS5930:2015					

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP830 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 458535.5 E 219877.4 N Ground Level 66.67 m OD

Samples and Tests				Strata		Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD	
0.05	ES		PID=<0.1	MADE GROUND: Asphalt.	G.L.		66.67	
0.05				MADE GROUND: Concrete.	0.10		66.57	
0.46	EW			MADE GROUND: Grey sandy silty gravel. Gravel is subangular to subrounded fine to coarse quartzite.	0.30		66.37	
				End of Excavation	0.50		66.17	

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	07/08/2020	Length (C)	2.10	0.50	0.50	Fast inflow.
Shoring	None.	Orientation	184 deg			
Stability	Stable during excavation.					
		Date Backfilled	07/08/2020			

Remarks				Logged by	MJ
ES sample = 2 x vial, 1 x plastic jar and 2 amber jar				Figure	1 of 1
Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.					06/11/2020
Backfill details from base of hole: arisings up to 0.10m, asphalt up to ground level.					
Symbols and abbreviations are explained on the accompanying key sheet.					
All dimensions are in metres.					
Logged in accordance with BS5930:2015					

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP831 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 458800.3 E 219776.3 N Ground Level 65.74 m OD

Samples and Tests				Strata		Scale 1:50	
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10	ES		PID=<0.1	MADE GROUND: Asphalt.	G.L.		65.74
0.10					0.10		65.64
0.30	B			MADE GROUND: Black gravelly silty sand with a hydrocarbon odour. Gravel is angular to subangular fine to coarse brick, concrete, slag, ash and clinker.	0.35		65.39
0.30	ES		PID=<0.1		0.50		65.24
0.50	HV		Av=48kPa				
0.60	B			MADE GROUND: Yellowish brown and grey slightly sandy gravel with a high cobble content of angular to subangular medium strong limestone.			
0.60	D						
0.60	ES		PID=<0.1				
1.00	HV		Av=63kPa				
1.20	D			Soft light grey mottled light brown slightly sandy calcareous CLAY with many shell fragments (up to 5mm in size) and many pockets (up to 20mm in size) of decomposed organic material.	1.60		64.14
1.50	HV		Av=50kPa				
1.70	B						
1.70	D						
1.70	ES		PID=<0.1		2.30		63.44
1.70	HV		Av=52kPa	Firm dark grey mottled light brown slightly sandy CLAY with many pockets (up to 25mm in size) of decomposed organic material and relict rootlets and roots (up to 10mm in diameter).			
2.00	D				2.30		63.44
2.20	B						
2.40	D			Stiff dark brownish grey slightly sandy CLAY with a slight organic odour and rare shell fragments (up to 10mm in size).	3.00		62.74
2.40	D						
3.00	D			End of Excavation	3.00		

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP832 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459190.4 E 219672.8 N Ground Level 64.50 m OD

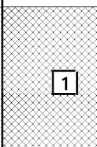
Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.25	D			MADE GROUND: Asphalt.	G.L.		64.50
0.25	ES			MADE GROUND: Reinforced concrete.	0.05		64.45
0.25					0.25		64.25
0.60	B		PID=<0.1	MADE GROUND: Black sandy silty gravel. Gravel is angular to subrounded fine to medium ash, clinker, quartzite and slag.	0.30		64.20
0.60	D				0.50		64.00
0.60	ES						
1.00	D		PID=<0.1	Firm grey mottled orangish brown slightly sandy CLAY.			
1.50	D			Firm grey mottled orangish brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse limestone.			
1.50	ES		PID=<0.1				
1.50							
2.00	B			Below 1.50m, with many pockets (up to 3mm in size) of grey silt, occasional rootlets and occasional roots (up to 5mm in diameter).	1.90		62.60
2.00	D						
2.50	D			Firm grey slightly sandy CLAY.			
				Below 2.50m, becoming grey mottled light brown.			
3.00	D			End of Excavation	3.00		61.50

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	29/07/2020	Length (C)	2.30			
Shoring	None.	Orientation	253 deg			None encountered during excavation.
Stability	Stable during excavation.	Date Backfilled	29/07/2020			


Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
	Backfill details from base of hole: arisings up to ground level.		06/11/2020
Symbols and abbreviations are explained on the accompanying key sheet.			
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP832A Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459191.7 E 219669.8 N Ground Level 64.61 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Soft to firm dark brownish grey very sandy silty gravel with a high cobble content of angular to subangular brick and concrete. Gravel is angular to subrounded fine to coarse glass, metal, plastic, brick, concrete, asphalt, clinker, slag, limestone and quartzite. [Stockpile]	G.L.		64.61
1.00	B		mc=27%	End of Excavation	1.00		63.61
1.00	B						
1.00	B						
1.00	D						
1.00	D						
1.00	D						
1.00	ES		PID=<0.1				

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	29/07/2020	Length (C)	1.00			
Shoring	None.	Orientation	253 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	29/07/2020			

Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
AGS	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
	Backfill details from base of hole: arisings up to ground level.		06/11/2020
<p>Symbols and abbreviations are explained on the accompanying key sheet.</p> <p>All dimensions are in metres.</p> <p>Logged in accordance with BS5930:2015</p>			
			

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP833 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459146.0 E 219638.0 N Ground Level 64.41 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Concrete.	G.L.		64.41
				MADE GROUND: Black gravelly very silty sand. Gravel is angular to subrounded fine to medium quartzite, ash, slag and clinker.	0.15	1	64.26
0.50	B					2	
0.50	ES				0.60	3	63.81
0.50			PID=<0.1	Stiff grey mottled orangish brown slightly sandy CLAY.	0.80		63.61
0.90	B					4	
0.90	D			Stiff grey mottled orangish brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone.			
0.90	ES					5	
0.90	HV		Av=82kPa PID=<0.1 mc=22%	Below 1.00m, with rare pockets (up to 2mm in size) of grey silt.	1.90		62.51
1.40	D						
1.50	D			Between 1.30-1.45m, a layer of soft orangish brown sandy clay.			
1.50	HV		Av=79kPa				
1.75	B						
2.00	B						
2.00	D						
2.00	ES						
2.00	HV		Av=83kPa PID=<0.1	At 1.70m, with a pocket (200mm in size) of sandy very silty gravel of subangular to subrounded fine to coarse quartzite.	3.00		61.41
2.00							
2.50	D						
2.50	HV		Av=77kPa				
3.00	D			Stiff dark grey, occasionally mottled orangish brown, slightly sandy CLAY.			
3.00	HV		Av=124kPa	Below 2.50m, with occasional pockets (up to 2mm in size) of grey silt.			
				End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	29/07/2020	Length (C)	2.60			
Shoring	None.	Orientation	145 deg	0.60	0.70	Slow inflow.
Stability	Stable during excavation.					
		Date Backfilled	29/07/2020			

Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
	Backfill details from base of hole: arisings up to ground level.		06/11/2020
Symbols and abbreviations are explained on the accompanying key sheet.			
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP833A Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459148.4 E 219640.1 N Ground Level 64.31 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Soft to firm dark brownish grey slightly sandy gravelly clay with a low cobble content of subangular brick and concrete.. Gravel is angular to subrounded fine to coarse glass, metal, plastic, brick, concrete, asphalt, clinker, slag, limestone and quartzite. [Stockpile]	G.L.		64.31
1.00	B			End of Excavation	1.00		63.31
1.00	B		mc=28%				
1.00	B						
1.00	D						
1.00	D						
1.00	D						
1.00	ES		PID=<0.1				

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	29/07/2020	Length (C)	1.00			
Shoring	None.	Orientation	145 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	29/07/2020			

Remarks		Logged by		MJ		
Symbols and abbreviations are explained on the accompanying key sheet.	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar				Figure	1 of 1
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.					
	Backfill details from base of hole: arisings up to ground level.					
All dimensions are in metres.		Logged in accordance with BS5930:2015		06/11/2020		
				geotechnics		

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP834 Project No PC207899

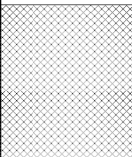
Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459161.1 E 219658.8 N Ground Level 64.57 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Concrete.	G.L.		64.57
				MADE GROUND: Orangish brown gravelly sand. Gravel is angular to subangular fine to coarse sandstone.	0.15	1	64.42
					0.20	2	64.37
					0.35	3	64.22
0.70	HV		Av=63kPa	MADE GROUND: Black slightly sandy very silty gravel. Gravel is angular to subrounded fine to coarse slag, quartzite, clinker and ash.			
0.75	B						
0.75	D						
0.75	ES						
1.00	B		PID=<0.1	POSSIBLE MADE GROUND: Firm grey mottled orangish brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse mudstone.		4	
1.00	D						
1.20	HV		Av=78kPa				
1.50	D			At 0.90m, a pocket (170mm in size) of orangish brown sandy very silty gravel of angular to subangular fine to coarse quartzite.	1.90		62.67
1.50	ES		PID=<0.1				
2.00	B			Below 1.40m, becoming dark grey mottled orangish brown.			
2.00	D						
2.00	HV		Av=71kPa			5	
2.50	D			Firm grey slightly sandy CLAY with occasional rootlets and roots (up to 4mm in diameter).			
				Below 2.40m, becoming grey mottled light brown.	3.00		61.57
3.00	D			End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	29/07/2020	Length (C)	2.30			
Shoring	None.	Orientation	260 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	29/07/2020			

Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
	Backfill details from base of hole: arisings up to ground level.		06/11/2020
Symbols and abbreviations are explained on the accompanying key sheet.			
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Project	GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2)	Engineer	WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED		Trial Pit Project No	TP834 A PC207899
Client	GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED	National Grid Coordinates	459160.7	E	Ground Level	64.57 m OD
			219661.1	N		

Samples and Tests				Strata		Scale 1:50	
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				MADE GROUND: Soft to firm dark brownish grey slightly sandy slightly gravelly silt. Gravel is angular to subrounded fine to coarse glass, metal, plastic, brick, concrete, asphalt, clinker, slag, limestone and quartzite. [Stockpile]	G.L.		64.57
1.00	B			End of Excavation	1.00		63.57
1.00	B						
1.00	B						
1.00	D		mc=35%				
1.00	D						
1.00	ES		PID=<0.1				

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	29/07/2020	Length (C)	1.00			
Shoring	None.	Orientation	260 deg			None encountered during excavation.
Stability	Stable during excavation.	Date Backfilled	29/07/2020			

Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar
AGS	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.
Symbols and abbreviations are	Backfill details from base of hole: arisings up to ground level.

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by MJ

Figure 1 of 1
06/11/2020

geotechnics

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP835 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459239.8 E 219640.9 N Ground Level 64.21 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.20	B			MADE GROUND: Firm dark grey slightly sandy slightly gravelly clay with many rootlets and occasional roots (up to 12mm in diameter). Gravel is angular to subrounded fine to coarse brick, limestone, flint and concrete.	G.L.		64.21
0.10	ES		PID=<0.1		0.20		64.01
0.15	D				0.60		63.61
0.20- 0.50	B			MADE GROUND: Stiff grey mottled brown slightly sandy slightly gravelly clay with a low cobble content of subangular limestone and brick and many rootlets and occasional roots (up to 12mm in diameter). Gravel is angular to rounded fine to coarse limestone, brick, concrete, slag and rare metal fragments.	0.85		63.36
0.30	D				1.10		63.11
0.40	ES		PID=<0.1		1.40		62.81
0.40	HV		Av=120kPa		1.80		62.41
0.50	B		mc=28%		2.50		61.71
0.60- 0.80	D			Stiff grey mottled reddish brown CLAY with rare gypsum crystals (up to 2mm in size) and rare shell fragments (up to 3mm in size).			
0.70	D						
0.80- 1.10	B		PID=<0.1				
0.80	ES		Av=85kPa				
0.80	D		mc=28%				
1.00	HV		Av=60kPa				
1.00	B			Firm grey mottled orangish brown and dark brown slightly sandy CLAY with occasional gypsum crystals (up to 2mm in size), occasional pockets of orangish brown and lightly grey sandy clay and occasional pockets (up to 3mm in size) of decomposed organic material.			
1.10- 1.40	D						
1.20	D						
1.40- 1.70	B		PID=<0.1				
1.50	HV		Av=90kPa				
1.60	D			Firm brown mottled orangish brown and light grey sandy CLAY with occasional gypsum crystals (up to 3mm in size), many pockets (up to 5mm in size) of decomposed organic material and occasional pockets (up to 25mm in size) of light grey and brown sandy clay.			
1.60	ES						
1.90	D			Stiff dark grey slightly sandy CLAY with low organic odour and occasional gypsum crystals (up to 2mm in size).			
2.00- 2.50	B						
2.00	HV						
2.40	D			Below 2.10m, with occasional pockets of light brown sandy clay.			
				End of Excavation			

Excavation				Groundwater					
Plant	Date	Shoring	Stability	Width (B)	Length (C)	Orientation	Depth Observed	Depth of Pit	Details
JCB 3CX	16/07/2020	None.	Stable during excavation.	0.60	2.50	001 deg			None encountered during excavation.
				Date Backfilled	16/07/2020				

Remarks		Logged by
ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	MM
Backfill details from base of hole: arisings up to ground level.		

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Figure 1 of 1
06/11/2020

geotechnics

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP836 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459410.5 E 219561.5 N Ground Level 62.67 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.20	D			MADE GROUND: Concrete.	G.L.	1	62.67
0.20	ES				0.15	2	62.52
0.20					0.25		62.42
0.50	HV	PID=<0.1	Av=36kPa	MADE GROUND: Black sandy very silty gravel. Gravel is angular to subangular fine to medium ash, clinker, slag and quartzite.		3	
0.55	B						
0.55	D			Soft greenish grey mottled orangish brown slightly sandy CLAY.	0.85		61.82
0.55	ES						
1.00	B	PID=<0.1		Soft light grey mottled light orangish brown slightly sandy CLAY.		4	
1.00	D						
1.00	ES						
1.00	HV	Av=35kPa	PID=<0.1	Below 1.70m, becoming firm.			
1.00					1.80		60.87
2.00	B			Stiff dark greyish brown mottled light brown slightly sandy CLAY with many gypsum crystals (up to 3mm in size), occasional pockets (up to 3mm in size) of grey silt and occasional pockets (up to 10mm in size) of grey silty sand.		5	
2.00	D						
2.00	ES						
2.00	HV	Av=86kPa	PID=<0.1				
2.50	D						
3.00	B			Stiff grey slightly sandy CLAY with occasional gypsum crystals (up to 8mm in size).	2.80	6	59.87
3.00	D				3.00		59.67
				End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	29/07/2020	Length (C)	2.50			
Shoring	None.	Orientation	100 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	29/07/2020			

Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
Symbols and abbreviations are explained on the accompanying key sheet.	Backfill details from base of hole: arisings up to ground level.		06/11/2020
All dimensions are in metres.		geotechnics	
	Logged in accordance with BS5930:2015		

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP837 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459331.0 E 219715.9 N Ground Level 64.93 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.15	ES			MADE GROUND: Asphalt.	G.L.		64.93
0.15			PID=<0.1		0.16	1	64.77
0.17	ES		PID=<0.1	MADE GROUND: Light yellowish brown gravelly slightly silty sand. Gravel is angular to subrounded fine to medium limestone.	0.20	2	64.73
0.17					0.35	3	64.58
0.30	ES		PID=<0.1			4	64.33
0.30				MADE GROUND: Dark grey and black gravelly silty sand with a low cobble content of angular to subangular brick. Gravel is angular to subangular fine to coarse concrete, brick and limestone.	0.60	5	
0.70	B						
0.70	B				1.20	6	63.73
0.70	D						
0.70	ES						
0.70	HV		Av=51kPa	MADE GROUND: Grey slightly sandy gravel with a high cobble content of angular to subangular medium strong limestone.	1.70	7	63.23
0.70			PID=<0.1				
1.00	HV		Av=64kPa		2.00	8	62.93
1.30	B			Firm dark greenish grey mottled black slightly sandy CLAY with occasional pockets (up to 40mm in size) of decomposed organic material.			
1.30	B						
1.30	D						
1.50	HV		Av=68kPa				
1.70	D			Below 0.80m, becomes light greenish grey mottled light grey.			
1.80	B						
1.80	B						
1.80	D						
2.00	HV		Av=39kPa	Firm light grey occasionally mottled orangish brown slightly sandy CLAY.	3.00		61.93
2.10	B						
2.10	B			Soft orangish brown mottled grey slightly sandy CLAY.			
2.10	D						
2.50	D						
2.80	HV		Av=59kPa	Stiff dark brown slightly sandy CLAY.			
3.00	B						
3.00	D			Below 2.60m, becomes mottled yellowish cream.			
				End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	14/07/2020	Length (C)	1.90			
Shoring	None.	Orientation	210 deg			None encountered during excavation.
Stability	Stable during excavation.	Date Backfilled	14/07/2020			

Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
	Backfill details from base of hole: arisings up to ground level.		06/11/2020
Symbols and abbreviations are explained on the accompanying key sheet.			
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Project GRAVEN HILL, BICESTER, LAND TRANSFER AREA 2 (LTA2) Engineer WATERMAN INFRASTRUCTURE & ENVIRONMENT LIMITED Trial Pit TP838 Project No PC207899

Client GRAVEN HILL VILLAGE DEVELOPMENT COMPANY LIMITED National Grid Coordinates 459310.4 E 219819.7 N Ground Level 66.09 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10	ES			MADE GROUND: Asphalt.	G.L.		66.09
0.10					0.15	1	65.94
0.30	B		PID=<0.1	MADE GROUND: Yellowish brown and grey very gravelly slightly silty sand.	0.30	2	65.79
0.30	D				0.55	3	65.54
0.30	ES						
0.30			PID=<0.1	PROBABLE MADE GROUND: Grey slightly sandy gravel with a high cobble content of angular to subangular medium strong limestone.			
0.60	B						
0.60	B		mc=33%	Firm brown mottled light grey and brown slightly sandy CLAY.		4	
0.60	D						
0.60	ES		PID=<0.1	Below 0.90m, becomes brown mottled orangish brown.			
0.70	HV		Av=50kPa				
1.20	D						
1.20	HV		Av=51kPa				
1.60	B				1.90		64.19
1.60	D			Soft to firm brown mottled dark brownish orange slightly sandy CLAY with many gypsum crystals (up to 3mm in size).			
1.90	B						
1.90	B						
1.90	D			Below 2.30m, gypsum crystals absent.		5	
2.40	D			Below 2.40m, becomes predominantly dark brown occasionally mottled orangish brown.			
2.90	B				3.00		63.09
2.90	D			End of Excavation			

Excavation				Groundwater		
Plant	JCB 3CX	Width (B)	0.60	Depth Observed	Depth of Pit	Details
Date	14/07/2020	Length (C)	1.90			
Shoring	None.	Orientation	126 deg			None encountered during excavation.
Stability	Stable during excavation.					
		Date Backfilled	14/07/2020			

Remarks	ES sample = 2 x vial, 1 x plastic jar and 2 amber jar	Logged by	MJ
	Radioactive screening at discrete sample depths, using a Thermo Scientific Mini 900E. No activity detected.	Figure	1 of 1
	Backfill details from base of hole: arisings up to ground level.		06/11/2020
Symbols and abbreviations are explained on the accompanying key sheet.			
All dimensions are in metres.	Logged in accordance with BS5930:2015		