



Method: Dynamic Sampled & Rotary Cored	Date(s): 07/02/2023	Logged By: ZC	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447465.29, 213576.01	Checked By: NT	Flush:
Hydrock Project No: C-19114-C	Ground Level: 68.30m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min If. Mean Max							
1.20 - 2.70 110mm 93% rec									Firm brown slightly gravelly sandy CLAY with frequent rootlets. Gravel is sub-angular fine of quartz and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	68.00		
									Firm yellowish brown slightly gravelly sandy CLAY. Gravel is sub-angular to rounded fine to coarse of flint sandstone and quartzite. (RIVER TERRACE DEPOSITS)	1.10	(0.80)	67.20		
									Yellowish brown sandy sub-angular to sub-rounded fine to coarse flint, sandstone and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	1.60	(0.50)	66.70		
									Yellowish brown gravelly SAND. Gravel is sub-angular to sub-rounded fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	2.70	(1.10)			
2.70 - 4.20 110mm 100% rec									Yellowish brown sandy sub-angular to sub-rounded fine to coarse flint, sandstone and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	3.00		65.60		
										4.00	(3.15)			
5.70 - 7.20									Stiff dark grey slightly sandy CLAY. (KELLAWAYS CLAY MEMBER)	5.85		62.45		
				100	84	55			Very strong light grey shelly LIMESTONE. Fractures are horizontal to sub-horizontal closed to open undulating and rough. (CORNBRAsh LIMESTONE FORMATION)	6.05	(0.20)	62.25		
7.20 - 8.70									... Between 6.90m and 7.20m bgl: Becoming more shelly.	7.20		61.10		
				94	94	73			Medium strong grey shelly LIMESTONE. Fractures are horizontal to sub-horizontal, open, wavy and unulating with occasional clay infill. (CORNBRAsh LIMESTONE FORMATION)	8.20	(1.00)	60.10		
8.70 - 10.20									Very strong light grey with occasional brown staining shelly LIMESTONE. Fractures are sub-horizontal, open, undulating and rough with brown sandy infill. (CORNBRAsh LIMESTONE FORMATION)	8.70	(0.50)	59.60		
				93	93	82			Weak grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION) ... Between 8.95m and 9.05m bgl: Becoming sandy and mottled brown.	9.10	(0.40)	59.20		
									Interbedded weak grey thinly bedded MUDSTONE and very strong light grey shelly oolitic LIMESTONE. (FOREST MARBLE FORMATION)	9.70	(0.60)	58.60		
								Weak grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION)	10.00					

Continued on Next Sheet

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 5.70m bgl, then rotary cored to 12.70m bgl. 3) Borehole backfilled with bentonite pellets and arisings on completion.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam. (mm)	Water Depth (m)	Flush Type	Returns (colour)



Project: Begbroke

Borehole No
RO308
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Method: Dynamic Sampled & Rotary Cored	Date(s): 07/02/2023	Logged By: ZC	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447465.29, 213576.01	Checked By: NT	Flush:
Hydrock Project No: C-19114-C	Ground Level: 68.30m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min. If. Mean Max							
10.20 - 11.70									Weak grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION)	10.50	(0.80)	57.80		
				100	100	82			Interbedded weak grey thinly bedded MUDSTONE and very strong light grey shelly oolitic LIMESTONE. (FOREST MARBLE FORMATION)	10.75	(0.25)	57.55		
									Weak grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION)	11	(0.75)			
										11.50		56.80		
11.70 - 12.70				100	100	91			Interbedded weak grey thinly bedded MUDSTONE and very strong light grey shelly oolitic LIMESTONE. (FOREST MARBLE FORMATION)	12	(1.20)			
										12.70		55.60		
									End of Borehole at 12.70m					
										13				
										14				
										15				
										16				
										17				
										18				
										19				
										20				

Progress and Observations									General Remarks: 1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 5.70m bgl, then rotary cored to 12.70m bgl. 3) Borehole backfilled with bentonite pellets and arisings on completion.
Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)	



Method: Dynamic Sampled & Rotary Cored	Date(s): 09/02/2023	Logged By: MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447738.02, 214074.61	Checked By: NT	Flush:
Hydrock Project No: C-19114-C	Ground Level: 68.22m OD		Scale: 1:50

Sample/Core Run (m) Smpt. Ø (mm) Smpt. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min If. Mean Max							
1.20 - 2.00 110mm 100% rec									Firm dark brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of flint and sandstone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.92		
									Dark orangish brown gravelly slightly clayey SAND. Gravel is sub-angular to rounded fine to coarse of flint quartzite and sandstone. (RIVER TERRACE DEPOSITS)	1	(1.30)			
									Orangish brown sandy sub-angular to rounded fine to coarse quartzite and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	1.60		66.62		
4.00 - 5.50				89	59	15	NI		Moderately strong light grey stained orangish brown partially weathered shelly LIMESTONE. Fractures are horizontal to sub-horizontal, open to closely spaced, undulating and smooth. (CORNBURASH LIMESTONE FORMATION)	4				
5.50 - 6.40							10 80 120							
							20 50 70							
				78	78	49	NI NI		Very stiff grey thinly laminated CLAY with occasional lenses of coarse sand and shell fragments. (FOREST MARBLE FORMATION)	5.50		62.72		
									End of Borehole at 6.40m	6.40		61.82		

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 2.00m bgl. Open holed from 2.00m to 4.00m, then rotary cored to 6.40m bgl. 3) Borehole installed with groundwater monitoring well to 5.50m bgl, with response zone between 4.50m and 5.50m bgl.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)



Project: Begbroke

Borehole No
RO309A
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Method: Rotary Open	Date(s): 09/02/2023	Logged By: MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447738.02, 214074.61	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 68.22m OD		Scale: 1:100

Run (m)	Samples / Tests			Drilling Record			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	Weight (Kg)	Mins	Secs							
								Firm dark brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of flint and sandstone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.92		
								Dark orangish brown gravelly slightly clayey SAND. Gravel is sub-angular to rounded fine to coarse of flint quartzite and sandstone. (RIVER TERRACE DEPOSITS)	1.60	(1.30)	66.62		
								Orangish brown sandy sub-angular to rounded fine to coarse quartzite and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	3.00	(2.30)			
								End of Borehole at 3.90m	3.90		64.32		
									4				
									5				
									6				
									7				
									8				
									9				
									10				
									11				
									12				
									13				
									14				
									15				
									16				
									17				
									18				
									19				
									20				

Progress and Observations									General Remarks:
Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)	
Commachio 205	09/02	1220	3.90	0.00	144		Air/Mist	NR	1) Inspection pit hand dug to 1.20m bgl. 2) Geology and strata boundaries have been interpreted from nearby rotary cored position. 3) Borehole open holed to 3.90m bgl. 4) Borehole installed with groundwater monitoring well to 3.50m bgl with response zone between 2.00m and 3.50m bgl.



Method: Dynamic Sampled & Rotary Cored	Date(s): 13/02/2023	Logged By: MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447730.99, 213943.05	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 67.04m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill	
	Depth (m)	Type	Results	TCR	SCR	RQD	Min If. Mean Max								
1.20 - 2.50 110mm 100% rec									Firm dark brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of flint and sandstone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	66.74			
									Yellowish brown gravelly SAND. Gravel is sub-angular to rounded fine to coarse of flint sandstone and quartzite. (RIVER TERRACE DEPOSITS)	0.50	(0.20)	66.54			
2.50 - 4.00							NI		Yellowish brown SAND and GRAVEL. Gravel is sub-angular to rounded fine to coarse of sandstone limestone and quartzite. (RIVER TERRACE DEPOSITS)	1	(1.45)				
									Stiff grey mottled yellowish brown fissured silty CLAY. Fissures are very closely spaced and randomly oriented. (KELLAWAYS CLAY MEMBER)	1.95		65.09			
4.00 - 5.50							80	31	20	... Between 3.00m and 3.10m bgl: Abundant fine gravel sized selenite crystals.	3		63.94		
									Strong grey with orangish brown staining weathered shelly LIMESTONE. Fractures are horizontal to sub-vertical, very closely spaced, open to closed, wavy and rough with occasional sandy infill. (CORNBRAsh LIMESTONE FORMATION) ... Between 3.80m and 4.70m bgl: Very shelly with spheroidal weathering.	3.10					
5.50 - 6.50							100	100	89	... Between 4.80m and 4.90m bgl: Medium strong.	4				
									Very strong dark grey unweathered shelly LIMESTONE. (CORNBRAsh LIMESTONE FORMATION)	5			61.54		
							75	75	57	Interbedded very weak dark grey thinly bedded MUDSTONE and very weak shelly LIMESTONE. (FOREST MARBLE FORMATION)	6			60.94	
									Very weak grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION)	6.10			60.94		
									End of Borehole at 6.50m	6.20	(0.10)	60.84			
										6.50	(0.30)	60.54			

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 2.50m bgl, then rotary cored to 6.50m bgl. 3) Borehole installed with groundwater monitoring well to 6.00m bgl, with response zone between 3.50m and 6.00m bgl.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	13/02	1300	6.50	2.00	128		Air/Mist	NR



Method: Dynamic Sampled & Rotary Cored	Date(s): 10/02/2023	Logged By: ZC	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447746.00, 213823.06	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 64.41m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min If. Mean Max							
1.20 - 2.70 110mm 87% rec									Soft brown slightly sandy CLAY with frequent rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	64.11		
									Light brown slightly gravelly SAND. Gravel is sub-angular to sub-rounded fine to coarse of flint and quartzite. (RIVER TERRACE DEPOSITS)	1.20	(0.90)	63.21		
2.70 - 3.80									Soft orangish brown very sandy CLAY (RIVER TERRACE DEPOSITS)	2.10	(0.90)	62.31		
									Orangish brown very gravelly SAND with occasional sub-rounded cobbles of quartzite. Gravel is sub-angular to sub-rounded fine to coarse of quartzite sandstone and flint. (RIVER TERRACE DEPOSITS)	2.40	(0.30)	62.01		
3.80 - 5.20					78	51	40	30 120 200	Soft light brown sandy very gravelly CLAY with frequent cobbles of limestone. Gravel is sub-rounded to angular fine to coarse of flint quartzite and limestone. (RIVER TERRACE DEPOSITS)	2.60	(0.20)	61.81		
									Strong light brown shelly weathered LIMESTONE. Fractures are horizontal open rough and undulating with sand infill. (CORNBURASH LIMESTONE FORMATION)	3.20	(0.60)	61.21		
5.20 - 6.60					63	54	39	60 110 210	Strong light grey with orangish brown staining shelly weathered LIMESTONE. Fractures are horizontal rough and undulating with sand infill. (CORNBURASH LIMESTONE FORMATION)	4.00	(2.10)			
									Very weak light grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION)	5.30		59.11		
					96	76	76		... Between 6.40m and 6.60m bgl: Occasional thin beds (up to 5cm) of grey limestone. End of Borehole at 6.60m	6.60		57.81		

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 2.70m bgl, then rotary cored to 6.60m bgl. 3) Borehole installed with groundwater monitoring well to 5.00m bgl, with response zone between 3.00m and 5.00m bgl.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	10/02	1130	6.60	2.70	144		Air/Mist	NR



Method: Dynamic Sampled & Rotary Cored	Date(s): 09/02/2023	Logged By: ZC	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447753.11, 213733.38	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 67.28m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min If. Mean Max							
1.20 - 2.70 110mm 93% rec									Soft brown slightly sandy CLAY with frequent rootlets. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	66.98		
									Light brown slightly gravelly SAND. Gravel is sub-angular to sub-rounded fine to coarse of flint and quartzite. (RIVER TERRACE DEPOSITS)	1.20	(0.90)	66.08		
2.70 - 4.20 110mm 100% rec									Brown very gravelly SAND with occasional cobbles of sandstone and quartzite. Gravel is sub-angular to sub-rounded fine to coarse of flint sandstone and quartzite. (RIVER TERRACE DEPOSITS)	2.45	(1.25)	64.83		
									... Between 2.35m and 2.45m bgl: Becoming orangish brown and clayey.	2.60	(0.15)	64.68		
									Firm orangish brown mottled grey and orange slightly sandy silty CLAY. Sand forms in occasional lenses. (KELLAWAYS SAND MEMBER)	3.00	(0.40)	64.28		
									Firm grey slightly sandy CLAY with occasional very thin bands of brown sand. (KELLAWAYS SAND MEMBER)	3.90	(0.90)	63.38		
4.20 - 5.70 110mm 93% rec									Stiff grey mottled yellow and orange slightly sandy CLAY. (KELLAWAYS SAND MEMBER)	4.00	(0.90)	63.38		
									Stiff grey thinly bedded CLAY. (KELLAWAYS CLAY MEMBER)	5.00	(2.15)			
5.70 - 7.20										6.05		61.23		
									Strong grey shelly weathered LIMESTONE. Fractures are horizontal open to closed undulating rough with occasional sand infill. (CORNBURASH LIMESTONE FORMATION)	7.00	(3.05)			
7.20 - 8.70									... From 6.30m bgl: Becoming light grey.	8.00				
									... Between 6.50m and 6.60m bgl: One wavy verticle fracture present.	9.00		58.18		
8.70 - 10.20									Very weak light grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION)	10.00	(1.10)			

Continued on Next Sheet

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 5.70m bgl, then rotary cored to 10.20m bgl. 3) Borehole installed with groundwater monitoring well to 9.00m bgl, with response zone between 6.00m and 9.00m bgl.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	09/02	1330	10.20	0.00			Air/Mist	NR



Project: Begbroke

Borehole No

RO312

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Method: Dynamic Sampled & Rotary Cored	Date(s): 09/02/2023	Logged By: ZC	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447753.11, 213733.38	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 67.28m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min. Mean Max							
									Very weak light grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION) End of Borehole at 10.20m	10.20		57.08		
										11				
										12				
										13				
										14				
										15				
										16				
										17				
										18				
										19				
										20				

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 5.70m bgl, then rotary cored to 10.20m bgl. 3) Borehole installed with groundwater monitoring well to 9.00m bgl, with response zone between 6.00m and 9.00m bgl.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)



Method: Dynamic Sampled & Rotary Cored	Date(s): 09/02/2023	Logged By: MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447995.70, 214111.64	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 65.84m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill	
	Depth (m)	Type	Results	TCR	SCR	RQD	Min If. Mean Max								
0.80 - 2.00							NI		Firm dark brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of flint and sandstone. (AGRICULTURALLY DISTURBED TOPSOIL) Firm dark orangish brown slightly sandy slightly gravelly CLAY with rare cobbles of sub-angular to sub-rounded limestone. Gravel is sub-angular to sub-rounded fine to coarse of limestone and sandstone. (RIVER TERRACE DEPOSITS) Moderately strong grey with orange brown staining weathered shelly LIMESTONE. Fractures are sub-horizontal to sub-vertical open wavy and rough with rare clay infill. (CORNBRASSH LIMESTONE FORMATION)	0.30	(0.30)	65.54			
				42	0	0				0.80	(0.50)	65.04			
2.00 - 3.00				80	50	24	40 70 130		Very weak grey thinly bedded MUDSTONE with occasional thin beds (2mm) of siltstone. (FOREST MARBLE FORMATION) Very strong grey unweathered crystalline LIMESTONE with occasional shell fragments. Fractures are closely spaced open to closed undulating and smooth with clay infill. (FOREST MARBLE FORMATION)		(3.70)				
3.00 - 4.00				75	41	33	50 100 220					61.34			
4.00 - 4.50				70	4	0	NI								
4.50 - 5.50				95	82	72	20 120 280				4.80	(0.30)	61.04		
										5.50	(0.70)	60.34			
End of Borehole at 5.50m															

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 0.80m bgl, onto rock head 2) Borehole rotary cored to 5.50m bgl. 3) Borehole installed with groundwater monitoring well to 4.50m bgl, with response zone between 2.00m and 4.50m bgl.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	09/02	1700	5.50	1.50	142	4.00	Air/Mist	NR



Project: Begbroke

Borehole No
RO313A
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Method: Rotary Open	Date(s): 09/02/2023	Logged By: MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447995.70, 214111.64	Checked By: NT	Flush: N/A
Hydrock Project No: C-19114-C	Ground Level: 65.84m OD		Scale: 1:100

Run (m)	Samples / Tests			Drilling Record			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	Weight (Kg)	Mins	Secs							
								Firm dark brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of flint and sandstone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	65.54		
								Firm dark orangish brown slightly sandy slightly gravelly CLAY with rare cobbles of sub-angular to sub-rounded limestone. Gravel is sub-angular to sub-rounded fine to coarse of limestone and sandstone. (RIVER TERRACE DEPOSITS) End of Borehole at 0.90m	0.90	(0.60)	64.94		
									1				
									2				
									3				
									4				
									5				
									6				
									7				
									8				
									9				
									10				
									11				
									12				
									13				
									14				
									15				
									16				
									17				
									18				
									19				
									20				

Progress and Observations									General Remarks: 1) Inspection pit hand dug to 0.90m bgl, onto rock head 2) Borehole installed with groundwater monitoring well to 0.80m bgl, with response zone between 0.50m and 0.80m bgl.				
Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)					
Hand Tools	10/02	0955	0.90	0.00			N/A	NR					



Method: Dynamic Sampled & Rotary Cored	Date(s): 10/02/2023	Logged By: MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 447995.86, 213918.34	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 63.98m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min. Mean Max							
1.20 - 2.50 110mm 100% rec									Firm dark brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of flint and sandstone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	63.68		
									Orangish brown gravelly slightly clayey SAND. Gravel is sub-rounded to rounded fine to coarse of flint and sandstone. (ALLUVIUM)	1	(0.90)			
									Soft dark brown organic slightly gravelly silty CLAY with abundant plant matter and organic odour. Gravel is rounded fine to coarse of flint. (ALLUVIUM)	1.20		62.78		
2.50 - 4.00 110mm 67% rec									Light brownish grey SAND (ALLUVIUM)	1.70	(0.50)	62.28		
									Yellowish brown slightly clayey sandy angular to sub-rounded fine to coarse limestone sandstone and flint GRAVEL. (RIVER TERRACE DEPOSITS) ... Between 2.40m and 3.70m: Frequent cobbles of sub-angular limestone.	1.85	(0.15)	62.13		
										2				
4.00 - 5.50									Firm grey sandy CLAY. (RIVER TERRACE DEPOSITS)	3.75	(0.05)	60.23		
									Moderately strong grey oolitic LIMESTONE. (CORNBURASH LIMESTONE FORMATION)	3.90		60.18		
									Interbedded very weak grey thinly bedded MUDSTONE and moderately strong grey shelly LIMESTONE. (FOREST MARBLE FORMATION)	4.25	(0.45)	59.73		
5.50 - 7.00				100	2	0				5				
										6				
				73	67	67				7	(2.75)			
										7		56.98		
End of Borehole at 7.00m										7				

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 4.00m bgl, then rotary cored to 7.00m bgl. 3) Borehole installed with groundwater monitoring well to 4.50m bgl, with response zone between 4.00m and 4.50m bgl.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	10/02	1600	7.00	4.00	142		Air/Mist	NR



Method: Rotary Cored	Date(s): 09/02/2023 - 10/02/2023	Logged By: JM	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448001.11, 213870.42	Checked By: NT	Flush: Air mist, Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 63.32m OD		Scale: 1:50

Sample/Core Run (m)	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min Mean Max							
1.00 - 2.00 100% rec	0.10	ES							Firm brown slightly gravelly sandy CLAY with frequent rootlets and coarse gravel sized fragment of brick. Gravel is sub-angular fine of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	63.02		
	0.30 - 0.60	B							Firm orangish brown slightly gravelly slightly sandy CLAY with rare rootlets. Gravel is sub-angular medium of dark grey flint. (ALLUVIUM)	0.60	(0.30)	62.72		
2.00 - 3.50 0% rec	0.50 - 1.20	B							Very soft light grey mottled orangish brown slightly gravelly slightly sandy CLAY with a slight organic odour. Gravel is sub-angular to sub-rounded fine to coarse of flint and fine grained sandstone. (ALLUVIUM)	1.00	(0.40)	62.32		
									Dark orangish brown very gravelly coarse grained SAND. Gravel is sub-angular to rounded fine to coarse of tabular light grey medium grained shelly limestone, tabular fine grained sandstone, dark orangish brown iron rich medium grained sandstone, flint and quartzite. (RIVER TERRACE DEPOSITS)	2.00	(1.50)			
4.00 - 5.50									Dark brown sandy GRAVEL. Gravel is sub- angular to rounded fine to coarse of tabular medium grained iron-rich sandstone, flint, quartzite and white shelly limestone. (RIVER TERRACE DEPOSITS)	2.50		60.82		
									... At 3.50m: Smear of grey clay at the end of the run, however could be just mixed in grey alluvium.	3.00				
									... From 4.00m to 4.20m: Gravel is coarse, sands blasted out, was a sandy gravel.	4.00				
									Strong grey (outer layer weathered yellowish brown) ooidal, shelly LIMESTONE with occasional bivalve fossils. (CORNBURGH LIMESTONE FORMATION)	4.05	(0.29)	58.27		
				20	3	0			... From 4.05m to 4.35m: Non-intact.	4.34		58.98		
	5.20	HSV	140kPa						Very stiff thinly laminated bluish grey silty CLAY. Laminae are very closely spaced of white siltstone, muddy limestone. Bedding fractures are extremely closely spaced horizontal. (FOREST MARBLE FORMATION)	5.00	(1.16)			
									... From 4.90m to 5.00m: Band of strong grey limestone with frequent inclusions of carbonised plant fossils (lignite).	5.50		57.82		
									End of Borehole at 5.50m					

Progress and Observations									Chiselling			General Remarks: 1) Inspection pit hand dug to 1.20m bgl. 2) Dynamic sampled to 3.00m, then rotary cored from 3.00m to 5.50m. 3) Gas and groundwater monitoring well installed to 5.50m bgl, with response zone between 4.50m and 5.50m bgl. 4) Hydrock dipped well at 5.30m after installation.
Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)	From (m)	To (m)	Duration (HH:MM)	
Commachio 205	10/02	1730	5.50	4.00	128		Air/Mist	NR				
Commachio 300	10/02	0000	3.00	3.00		0.50	Air mist	orangish brown				



Method: Dynamic Sampled & Rotary Cored	Date(s): 13/02/2023	Logged By: MA	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448018.45, 213789.65	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 65.50m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min If. Mean Max							
1.20 - 2.50 110mm 69% rec									Firm dark brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of flint and sandstone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	65.20		
									Orangish brown sandy sub-angular to rounded fine to coarse quartzite limestone and sandstone GRAVEL with frequent cobbles of sub-angular to sub-rounded limestone. (RIVER TERRACE DEPOSITS)	1	(1.00)			
2.50 - 4.00									Stiff grey mottled yellowish brown fissured silty CLAY. Fissures are very closely spaced and randomly oriented. (KELLAWAYS CLAY MEMBER)	1.30		64.20		
										2	(1.70)			
4.00 - 5.50				100	93	49			Moderately strong grey with orange brown staining weathered shelly Limestone. Fractures are horizontal to sub-vertical closely spaced open rough and undulating with sand infill. (CORNBRAsh LIMESTONE FORMATION)	3		62.50		
										4	(2.70)			
5.50 - 7.00				93	80	71				5				
									Very weak grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION)	5.70		59.80		
				87	87	82			Very strong grey shelly Limestone. Fractures are horizontal closely to extremely closely spaced, planar and smooth with clay infill. (FOREST MARBLE FORMATION)	6	(0.50)	59.30		
										6.20	(0.80)			
									End of Borehole at 7.00m	7		58.50		
										8				
										9				
										10				

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 2.50m bgl, then rotary cored to 7.00m bgl. 3) Borehole installed with groundwater monitoring well to 3.50m bgl, with response zone between 3.50m and 5.50m bgl.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	13/02	1700	6.50	2.00	128	4.00	Air/Mist	NR



Project: Begbroke

Borehole No
RO316A
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Method: Rotary Open Date(s): 14/02/2023 Logged By: MA Drilled By: Marshall Drilling
 Client: Oxford University Development Co-ords: 448018.45, 213789.65 Checked By: NT Flush: N/A
 Hydrock Project No: C-19114-C Ground Level: 65.50m OD Scale: 1:100

Run (m)	Samples / Tests			Drilling Record			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	Weight (Kg)	Mins	Secs							
								Firm dark brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of flint and sandstone. (AGRICULTURALLY DISTURBED TOPSOIL) Orangish brown sandy sub-angular to rounded fine to coarse quartzite limestone and sandstone GRAVEL with frequent cobbles of sub-angular to sub-rounded limestone. (RIVER TERRACE DEPOSITS) End of Borehole at 1.20m	0.30	(0.30)	65.20		
									1.20	(0.90)	64.30		
									2				
									3				
									4				
									5				
									6				
									7				
									8				
									9				
									10				
									11				
									12				
									13				
									14				
									15				
									16				
									17				
									18				
									19				
									20				

Progress and Observations									General Remarks: 1) Inspection pit hand dug to 1.20m bgl. 2) Geology and strata boundaries have been interpreted from nearby rotary cored position. 3) Borehole installed with groundwater monitoring well to 1.20m bgl, with response zone between 0.50m and 1.20m bgl.
Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)	
Hand Tools	14/02	1330	1.20	0.00			N/A	NR	



Method: Dynamic Sampled & Rotary Cored	Date(s): 02/02/2023 - 03/02/2023	Logged By: MH	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448164.06, 213940.20	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 62.75m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min If: Mean Max							
1.20 - 2.50									Soft dark brown slightly gravelly sandy CLAY. Gravel is angular to sub angular fine to medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	62.45		
									Soft brown slightly sandy CLAY. (ALLUVIUM)	0.50		61.95		
2.50 - 4.00				46					Orangish brown slightly clayey SAND AND GRAVEL. Gravel is angular to rounded fine to coarse of flint and quartzite. (RIVER TERRACE DEPOSITS) ... Between 1.20m and 2.50m bgl: Core lost during extraction.	1				
										2	(2.20)			
4.00 - 5.50									Firm grey slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of siltstone and mudstone. (FOREST MARBLE FORMATION)	3		59.75		
										4				
5.50 - 7.00										5				
										6				
7.00 - 8.50								20 50 80		6				
									Very strong grey shelly interbedded fine grained LIMESTONE. Interbeds are stiff grey slightly gravelly CLAY. Gravel is angular fine to coarse mudstone and siltstone. Fractures are horizontal very closely spaced planar rough tight to open aperture. (FOREST MARBLE FORMATION)	7		56.25		
				87	27	23				7	(1.45)			
									Very strong grey shelly fine grained LIMESTONE. Fractures are horizontal to sub vertical dipping up to 80 degrees very closely to closely spaced planar rough to undulating rough tight to open aperture. (FOREST MARBLE FORMATION) ... Below 7.95m bgl: Limestone becoming light grey.	8		54.80		
										8				
										9				
										10	(3.55)			

Continued on Next Sheet

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered in hand pit at 1.00m. 3) Borehole dynamic sampled to 5.50m bgl, then rotary cored to 11.50m bgl. 4) Borehole installed with groundwater monitoring well to 7.30m bgl, with response zone between 6.70m and 7.30m bgl.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	02/02	1640	11.50	5.50	142	0.20	Air/Mist	NR



Project: Begbroke

Borehole No
RO317
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Method: Dynamic Sampled & Rotary Cored	Date(s): 02/02/2023 - 03/02/2023	Logged By: MH	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448164.06, 213940.20	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 62.75m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min. Mean Max							
									Very strong grey shelly fine grained LIMESTONE. Fractures are horizontal to sub vertical dipping up to 80 degrees very closely to closely spaced planar rough to undulating rough tight to open aperture. (FOREST MARBLE FORMATION)	11				
									End of Borehole at 11.50m	11.50		51.25		
										12				
										13				
										14				
										15				
										16				
										17				
										18				
										19				
										20				

Progress and Observations									General Remarks: 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered in hand pit at 1.00m. 3) Borehole dynamic sampled to 5.50m bgl, then rotary cored to 11.50m bgl. 4) Borehole installed with groundwater monitoring well to 7.30m bgl, with response zone between 6.70m and 7.30m bgl.
Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)	



Method: Dynamic Sampled & Rotary Cored	Date(s): 03/02/2023	Logged By: MH	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448348.70, 213847.10	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 62.21m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min If. Mean Max							
1.20 - 2.70									Soft brown slightly sandy CLAY. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	61.81		
									Firm orangish brown and grey slightly gravelly sandy CLAY. Gravel is angular to rounded fine to medium of flint. (ALLUVIUM)	0.90	(0.50)	61.31		
2.70 - 3.80				100					Orangish brown slightly clayey SAND AND GRAVEL. Gravel is angular to rounded fine to coarse of flint and quartzite. (RIVER TERRACE DEPOSITS)	1				
										2	(1.95)			
3.80 - 5.30									Soft light brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of limestone. (RIVER TERRACE DEPOSITS)	2.85		59.36		
				100						3	(0.95)			
5.30 - 6.80							NI 25 40		Very strong grey shelly fine grained LIMESTONE. Fractures are horizontal closely spaced undulating rough open aperture. (CORNBURASH LIMESTONE FORMATION)	3.80		58.41		
				27	11	0				4	(1.60)			
							NI 64 70		Very strong grey shelly interbedded fine grained LIMESTONE. Interbeds are stiff grey slightly gravelly CLAY. Gravel is angular fine to coarse mudstone and siltstone. Fractures are horizontal very closely spaced planar rough tight to open aperture. (FOREST MARBLE FORMATION) ... Below 5.40m bgl: Thin bands of grey clay infill.	5.40		56.81		
				60	9	0				6	(1.40)			
									End of Borehole at 6.80m	6.80		55.41		
										7				
										8				
										9				
										10				

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered in hand pit at 1.00m. 3) Borehole dynamic sampled to 3.80m bgl, then rotary cored to 6.80m bgl. 4) Borehole installed with groundwater monitoring well to 5.50m bgl, with response zone between 3.50m and 5.50m bgl.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	03/02	1115	6.80	0.00			Air/Mist	NR

Method: Dynamic Sampled & Rotary Cored	Date(s): 31/01/2023	Logged By: MH	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448348.40, 213792.77	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 62.18m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min If. Mean Max							
1.20 - 2.70									Soft dark brown slightly gravelly sandy CLAY. Gravel is angular to sub angular fine to medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	61.88		
									Soft brown slightly gravelly sandy CLAY. Gravel is angular to sub angular fine to medium of flint. (ALLUVIUM)	0.70	(0.40)	61.48		
2.70 - 3.10				100					Orangish brown SAND AND GRAVEL. Gravel is angular to rounded fine to coarse of flint and quartzite. (RIVER TERRACE DEPOSITS)	1	(1.70)			
									Soft light brown and cream slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of limestone. (RIVER TERRACE DEPOSITS)	2.40	(0.60)	59.78		
3.10 - 4.10				100					Non intact very strong grey shelly fine grained LIMESTONE. Fractures are horizontal very closely spaced planar rough tight to open aperture. (CORNBURASH LIMESTONE FORMATION)	3	(0.30)	59.18		
							NI 40 50		Very strong grey shelly fine grained LIMESTONE. Fractures are horizontal very closely spaced planar rough tight to open aperture. (CORNBURASH LIMESTONE FORMATION)	3.30	(0.30)	58.88		
5.00 - 6.00				75	53	0			Interbedded weak grey very thinly bedded MUDSTONE and moderatley weak grey siltstone. (FOREST MARBLE FORMATION)	4	(2.10)			
									Interbedded weak grey very thinly bedded MUDSTONE and moderatley weak grey siltstone. (FOREST MARBLE FORMATION)	5.40	(1.20)	56.78		
6.00 - 7.00				75	62	53			Weak grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION)	6	(0.40)	55.58		
									Weak grey thinly bedded MUDSTONE. (FOREST MARBLE FORMATION)	6.60	(0.40)	55.18		
									End of Borehole at 7.00m	7				

Progress and Observations

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered in hand pit at 1.00m. 3) Borehole dynamic sampled to 3.10m bgl, then rotary cored to 7.00m bgl. 4) Borehole installed with groundwater monitoring well to 5.00m bgl, with response zone between 3.50m and 5.00m bgl.

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)
Commachio 205	01/02	1645	7.00			1.00	Air/Mist	NR

Method: Dynamic Sampled & Rotary Cored	Date(s): 30/01/2023 - 31/01/2023	Logged By: MH	Drilled By: Marshall Drilling
Client: Oxford University Development	Co-ords: 448351.31, 213741.52	Checked By: NT	Flush: Air/Mist
Hydrock Project No: C-19114-C	Ground Level: 62.55m OD		Scale: 1:50

Sample/Core Run (m) Smpl. Ø (mm) Smpl. rec. %	Samples / Tests			Mechanical Log				Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
	Depth (m)	Type	Results	TCR	SCR	RQD	Min If. Mean Max							
1.20 - 2.70									Soft dark brown slightly gravelly sandy CLAY. Gravel is angular to sub angular fine to medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	62.25		
									Soft brown slightly gravelly sandy CLAY. Gravel is angular to sub angular fine to medium of flint. (ALLUVIUM)	0.70	(0.40)	61.85		
									Soft light brown and orangish brown slightly sandy CLAY. (ALLUVIUM)	0.90	(0.20)	61.65		
2.70 - 4.00				100					Orangish brown slightly gravelly clayey SAND. Gravel is fine to medium angular to sub rounded of flint. (RIVER TERRACE DEPOSITS)	2.40	(1.50)	60.15		
									Light brown and yellowish brown slightly clayey slightly sandy GRAVEL. Gravel is angular fine to coarse angular of limestone. (RIVER TERRACE DEPOSITS)	2.70	(0.30)	59.85		
									Strong cream fine to coarse grained non intact LIMESTONE recovered as gravel. (CORNBURASH LIMESTONE FORMATION)	3.00	(0.30)	59.55		
4.00 - 5.50					67	50	40	NI 60 200	Very strong grey shelly fine grained LIMESTONE. Fractures are horizontal very closely spaced planar rough tight aperture. (CORNBURASH LIMESTONE FORMATION)	4.00	(1.00)	58.55		
				0					Stiff grey slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of mudstone and siltstone. (FOREST MARBLE FORMATION)	5.00	(4.50)			
5.50 - 7.00														
7.00 - 8.50														
Progress and Observations									General Remarks: 1) Inspection pit hand dug to 1.20m bgl. 2) Borehole dynamic sampled to 2.70m bgl, then rotary cored to 8.50m bgl. 3) Borehole installed with groundwater monitoring well to 4.00m bgl, with response zone between 3.00m and 4.00m bgl.					
Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)						
Commachio 205	31/01	1100	8.50	5.50	142	4.00	Air/Mist	NR						



Project: Begbroke

Trialpit No
SA01
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Method: Trial Pit	Date(s): 27/09/2021	Logged By: MH	Checked By: NT
Client: Oxford University Development	Co-ords: 447588.42, 213465.31	Stability: Stable	Dimensions: 2.30m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 68.18m OD	Plant: JCB 3CX	0.50m

Samples / Tests			Water-Strikes	Stratum Description	Depth m	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Brown slightly gravelly SAND with roots less than 2mm. Gravel is angular to rounded, fine to medium flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	67.78	
				Firm brown orange brown slightly gravelly sandy CLAY. Gravel is angular to rounded, fine to medium flint. (HEAD DEPOSITS)	0.80	(0.40)	67.38	
				Light brown orange brown SAND & GRAVEL. Gravel is angular to rounded, fine to medium flint and quartz. (RIVER TERRACE DEPOSITS)	1.40	(0.60)	66.78	
				Light brown SAND & GRAVEL. Gravel is angular to rounded, fine to coarse flint and quartz. (RIVER TERRACE DEPOSITS)	2.00	(0.60)	66.18	
				Base of Excavation at 2.00m	2.00			
					3			
					4			
					5			

General Remarks:
1) Trial pit completed at 2.00m. 2) Backfilled to 1.00m with gravel, then 1.00m of arisings. Soakaway monitoring pipes installed to base of pit and top of gravel.

Groundwater: No groundwater encountered



Method: Trial Pit	Date(s): 27/09/2021	Logged By: MH	Checked By: NT
Client: Oxford University Development	Co-ords: 447750.12, 213653.24	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.95m OD	Plant: JCB 3CX	0.65m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Brown slightly gravelly SAND with roots less than 2mm. Gravel is angular to sub-rounded, fine to medium flint quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.25	(0.25)	67.70	
				Brown orange brown SAND with roots less than 2mm. Gravel is sub-rounded, fine to medium flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.55	(0.30)	67.40	
				Brown orange brown slightly clayey slightly gravelly SAND. Gravel is angular, fine to medium flint. (RIVER TERRACE DEPOSITS)	0.75	(0.20)	67.20	
				Brown light brown SAND & GRAVEL. Gravel is angular to rounded, fine to medium flint and quartz. (RIVER TERRACE DEPOSITS)	1.00	(1.25)		
				----- Base of Excavation at 2.00m	2.00		65.95	
					3			
					4			
					5			

General Remarks:
1) Trial pit completed at 2.00m. 2) Backfilled to 1.00m with gravel, then 1.00m of arisings. Soakaway monitoring pipes installed to bas of pit and top of gravel.



Method: Trial Pit	Date(s): 27/09/2021	Logged By: MH	Checked By: NT
Client: Oxford University Development	Co-ords: 447837.37, 213834.70	Stability: Unstable	Dimensions: 2.20m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 63.93m OD	Plant: JCB 3CX	0.50m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Brown orange brown slightly clayey slightly gravelly SAND. Gravel is angular to rounded, fine to medium flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.45	(0.45)	63.48	
				Firm light brown CLAY with silt pockets and rare gravel. Gravel is sub-rounded, fine to medium flint. (ALLUVIUM)	0.85	(0.40)	63.08	
			▼	Firm orange brown grey brown light brown CLAY with occasional silt pockets. (ALLUVIUM)	1.20	(0.35)	62.73	
				Soft light brown slightly sandy slightly gravelly CLAY. Gravel is sub-rounded, fine to medium flint. (ALLUVIUM)	1.30	(0.10)	62.63	
				Base of Excavation at 1.30m				
					2			
					3			
					4			
					5			

General Remarks:
 1. Pit terminated at 1.30m due to side wall collapse at 1.20m to 1.30m, exacerbated by presence of groundwater instability. 2) Backfilled with arisings.

Groundwater: Water ingress at 1.10m. No rise in 10 minutes.



Method: Trial Pit	Date(s): 27/09/2021	Logged By: MH	Checked By: NT
Client: Oxford University Development	Co-ords: 447837.37, 213834.70	Stability: Stable	Dimensions: 2.20m
Hydrock Project No: C-19114-C	Ground Level: 63.93m OD	Plant: JCB 3CX	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Brown orange brown slightly clayey slightly gravelly SAND. Gravel is angular to rounded, fine to medium flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.45	(0.45)	63.48	
				Stiff light brown CLAY with silt pockets and rare gravel. Gravel is sub-rounded, fine to medium flint. (ALLUVIUM)	0.85	(0.40)	63.08	
				Firm orange brown grey brown light brown CLAY with occasional silt pockets. (ALLUVIUM)	1.00	(0.15)	62.93	
▼ Base of Excavation at 1.00m								
					2			
					3			
					4			
					5			

General Remarks:
 1) Pit stable but terminated at 1.00m due to the presence of groundwater. 2) Backfilled with 0.50m of gravel and 0.50m of arisings. Soakaway monitoring pipes installed to base of pit and top of gravel.

Groundwater: Water ingress at 1.00m. No rise in 10 minutes.



Method: Trial Pit	Date(s): 27/09/2021	Logged By: MH	Checked By: NT
Client: Oxford University Development	Co-ords: 448089.66, 213881.73	Stability: Unstable	Dimensions: 2.20m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 63.57m OD	Plant: JCB 3CX	0.50m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Brown slightly gravelly sandy CLAY with roots less than 2mm. Gravel is angular to rounded, fine to medium flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	63.17	
				Firm brown light brown slightly gravelly sandy friable CLAY with roots less than 1mm. Gravel is sub-rounded fine to medium flint. (ALLUVIUM)	0.80	(0.40)	62.77	
				Soft to Firm light brown brown slightly sandy slightly gravelly CLAY. Gravel is sub rounded, fine to medium flint. (ALLUVIUM)	1.00	(0.20)	62.57	
			▼	Soft light brown yellow brown orange brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular, fine to medium flint. (ALLUVIUM)	1.40	(0.40)	62.17	
				Base of Excavation at 1.40m				
					2			
					3			
					4			
					5			

General Remarks:
 1) Pit terminated at 1.40m due to minor pit side wall collapse at 1.30m to 1.40m exacerbated by presence of groundwater. 2) Backfilled to 0.80m with gravel, then 0.60m of arisings. Soakaway monitoring pipes installed to base of pit and top of gravel..

Groundwater: Water ingress at 1.20m. Sitting at 0.70m bgl the following day.

Method: Trial Pit	Date(s): 28/09/2021	Logged By: MH	Checked By: NT
Client: Oxford University Development	Co-ords: 448305.74, 213944.39	Stability: Stable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 62.35m OD	Plant: JCB 3CX	0.65m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Brown slightly gravelly SAND with roots less than 1mm. Gravel is sub-rounded fine to medium flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	61.95	
				Firm brown grey orange brown slightly sandy CLAY. (ALLUVIUM)	0.60	(0.20)	61.75	
				Light brown orange brown slightly clayey SAND & GRAVEL. Gravel is angular to rounded, fine to medium flint quartz. (RIVER TERRACE DEPOSITS)	1.10	(0.50)	61.25	
				Grey SAND & GRAVEL. Gravel is angular to rounded, fine to medium flint quartz. (RIVER TERRACE DEPOSITS)	1.40	(0.30)	60.95	
				▼ Base of Excavation at 1.40m				
					2			
					3			
					4			
					5			

General Remarks:
1) Pit stable but terminated at 1.40m due to water ingress. 2) Backfilled with 0.90m of gravel and 0.50m of arisings to ground level. Soakaway monitoring pipes installed to base of pit and top of gravel.

Groundwater: Water ingress at 1.35m. Sitting at 0.50m bgl the following day,



Project: Begbroke

Trialpit No

SA06

Page No. 1 of 1

Method: Trial Pit	Date(s): 28/09/2021	Logged By: MH	Checked By: NT
Client: Oxford University Development	Co-ords: 448145.36, 213469.65	Stability: Stable	Dimensions: 2.00m
Hydrock Project No: C-19114-C	Ground Level: 68.07m OD	Plant: JCB 3CX	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Brown slightly gravelly SAND with roots less than 1mm. Gravel is angular to rounded, fine to medium flint (AGRICULTURALLY DISTURBED TOPSOIL)	0.80	(0.80)	67.27	
				Light brown SAND & GRAVEL. Gravel is angular to rounded, fine to medium flint quartz. (RIVER TERRACE DEPOSITS)	1	(1.20)	66.07	
----- Base of Excavation at 2.00m -----					2			
					3			
					4			
					5			

General Remarks:
 1) Pit complete at 2.00m. 2) Backfilled to 1.30m with gravel, then 1.30m of arisings. Soakaway monitoring pipes installed to base of pit and top of gravel.

Groundwater: No groundwater encountered



Project: Begbroke

Trialpit No
SA08
Page No. 1 of 1

Method: Trial Pit	Date(s): 28/09/2021	Logged By: MH	Checked By: NT
Client: Oxford University Development	Co-ords: 448373.61, 212979.77	Stability: Stable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 62.06m OD	Plant: JCB 3CX	0.65m

Samples / Tests			Water-Strikes	Stratum Description	Depth m/bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Dark brown slightly gravelly SAND with roots less than 1mm. Gravel is angular to rounded, fine to medium flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	61.76	
				Orange brown slightly clayey slightly gravelly SAND. Gravel is sub-rounded, fine to medium flint. (RIVER TERRACE DEPOSITS)	0.80	(0.50)	61.26	
				Firm friable orange brown sandy CLAY. (RIVER TERRACE DEPOSITS)	1.00	(0.45)	60.81	
				Firm brown sandy CLAY. (RIVER TERRACE DEPOSITS)	1.25	(0.65)	60.16	
				Firm brown sandy CLAY. (RIVER TERRACE DEPOSITS)	1.90	(0.10)	60.06	
				Base of Excavation at 2.00m	2.00			

General Remarks:
1) Pit complete at 2.00m 2) Backfilled to 1.00m with gravel, then 1.00m of arisings. Soakaway monitoring pipes installed to base of pit and top of gravel.



Method: Trial Pit	Date(s): 31/01/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448360.91, 213377.67	Stability: Stable	Dimensions: 1.60m
Hydrock Project No: C-19114-C	Ground Level: 62.88m OD	Plant: JCB 3-CX	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Light brown organic slightly gravelly clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.28	(0.28)	62.60	
				Orange brown slightly gravelly clayey SAND. Gravel is sub-rounded to sub-angular fine to medium limestone and sandstone. (ALLUVIUM)	0.55	(0.27)	62.33	
				Yellowish brown very sandy rounded to sub-angular fine to coarse of limestone, quartz, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	1.00	(1.45)		
				Base of Excavation at 2.00m	2.00		60.88	
					3.00			
					4.00			
					5.00			

General Remarks:
 1. Trial pit completed at 2.70m bgl 2. Trial pit walls did not collapse during the period the excavation remained open (20 mins)



Project: Begbroke

Trialpit No
SA301a

Page No. 1 of 1

Method: Trial Pit	Date(s): 31/01/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448360.91, 213374.67	Stability: Stable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 62.88m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	
Depth (m)	Type	Results							
				Light brown organic slightly gravelly clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.33	(0.33)	62.55		
				Orange brown slightly gravelly clayey SAND. Gravel is sub-rounded to sub-angular fine to medium of limestone and sandstone. (ALLUVIUM)	0.70	(0.37)	62.18		
				Yellowish brown very sandy rounded to sub-angular fine to coarse of limestone, quartz, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	1.00	(1.80)	60.38		
				▼ Base of Excavation at 2.50m					
					2.50		60.38		
					3				
					4				
					5				

General Remarks:
1. Moderate inflow of groundwater encountered at 2.40m. 2. Trial pit walls did not collapse during the period the excavation remained open (10 mins)

Groundwater: No groundwater encountered.



Project: Begbroke

Trialpit No
SA302

Page No. 1 of 1

Method: Trial Pit	Date(s): 31/01/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 447674.25, 213307.83	Stability: Stable	Dimensions: 1.70m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.50m OD	Plant: JCB 3-CX	0.60m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Light brown organic slightly gravelly clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.30	(0.30)	67.20	
				Orange brown slightly gravelly clayey SAND with frequent pockets (up to 240mm in diameter) of soft to firm sandy clay. Gravel is sub-rounded to sub-angular fine to medium of limestone, flint and quartz. (ALLUVIUM)	1.10	(0.80)	66.40	
				Yellowish brown very sandy rounded to sub-angular fine to coarse of limestone, quartz, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	2.50	(1.40)	65.00	
				----- Base of Excavation at 2.50m				
					3			
					4			
					5			

General Remarks:
1. Trial pit walls did not collapse during the period the excavation remained open (20 mins)

Groundwater: No groundwater encountered.

Method: Trial Pit	Date(s): 17/08/2021	Logged By: MA	Checked By: NT
Client: Oxford University Development	Co-ords: 448128.44, 213186.73	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.44m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Orangish brown silty slightly gravelly SAND with high root content. Gravel is angular to sub-rounded fine and medium brick and sandstone with rare metal wire. (TOPSOIL - MADE GROUND)	0.15	(0.15)	67.29	
0.40	ES			Orangish brown and grey slightly clayey gravelly SAND. Gravel sized fragments of angular to sub-angular coarse brick and concrete with frequent broken clay pipe, glass, plastic bags, timber, metal wire, batteries, newspaper, plastic and glass bottles. (LANDFILL - MADE GROUND)				
1.00	ES				1	(1.65)		
2.00	ES			Soft grey very gravelly CLAY. Gravel sized fragments of sub-angular brick with abundant newspaper (Dated 1960), glass mirrors, plastic wrappers and carpet. (LANDFILL - MADE GROUND)	1.80	(0.50)	65.64	
2.50	ES			MADE GROUND consisting of grey and black plastic, broken glass, newspaper, ash, tyres and metal wires. With strong putrid smell. (LANDFILL - MADE GROUND)	2.30	(0.50)	65.14	
				Grey sandy sub-angular to rounded fine to coarse GRAVEL of sandstone and mixed lithologies. (RIVER TERRACE DEPOSITS)	2.80	(0.10)	64.64	
				Base of Excavation at 2.90m	2.90	(0.10)	64.54	

General Remarks:
 1) Completed at 2.90m bgl. 2) Backfilled with arisings on completion. 3) Landfill deposits have a putrid odour throughout.

Method: Trial Pit	Date(s): 20/08/2021	Logged By: MA	Checked By: NT
Client: Oxford University Development	Co-ords: 448088.82, 213139.16	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 66.85m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.50	ES			Dark brown gravelly SAND with high root content. (TOPSOIL - MADE GROUND) Dark brown gravelly SAND. Gravel sized fragments of angular fine to coarse brick and concrete with frequent whole bricks, whole glass bottles (containing liquid), plastic, fabric, plastic wrappers, animal bone and wire. (LANDFILL - MADE GROUND)	0.05	(0.05)	66.80	
1.30	ES			Orange brown slightly clayey slightly gravelly SAND. Gravel is sub-angular to sub-rounded fine to coarse flint and sandstone with rare gravel sized fragments of angular fine to coarse brick and slag. (LANDFILL - MADE GROUND)	1.20	(0.30)	65.65	
2.30	ES			Dark brown slightly clayey gravelly SAND. Gravel sized fragments of angular fine to coarse brick and concrete with frequent glass bottles, shoes, whole car tyres, plastic and putrid odour. (LANDFILL - MADE GROUND)	1.50	(1.00)	65.35	
				Orangish brown angular to sub-rounded fine to coarse SAND & GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS)	2.50	(0.10)	64.35	
				Base of Excavation at 2.60m	2.60		64.25	

General Remarks:
1) Completed at 2.60m bgl. 2) Backfilled with arisings on completion. 3) Landfill deposits have a putrid odour throughout.



Method: Trial Pit	Date(s): 20/08/2021	Logged By: MA	Checked By: NT
Client: Oxford University Development	Co-ords: 448181.72, 213126.90	Stability: Stable	Dimensions: 2.50m
Hydrock Project No: C-19114-C	Ground Level: 67.33m OD	Plant: JCB 3CX	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.50	ES			Dark brown silty SAND with high root content. (TOPSOIL - MADE GROUND) Brick red gravelly SAND with occasional boulders of concrete (30cm x 60cm). Gravel sized fragments of angular fine to coarse brick with broken glass, rubber, plastic and scrap metal. (LANDFILL - MADE GROUND)	0.05	(0.05)	67.28	[Cross-hatched pattern]
1.20	ES			Dark orange brown and black gravelly SAND. Sand is of ash. Gravel sized fragements of brick and concrete with frequent nails, glass bottles (contianing liquid) plastic and pottery. (LANDFILL - MADE GROUND)	0.90	(0.85)	66.43	[Cross-hatched pattern]
2.00	ES			Yellowish brown SAND with frequent scrap metal, glass bottles, tyres and whole bricks. (LANDFILL - MADE GROUND)	1.50	(0.60)	65.83	[Cross-hatched pattern]
2.80	ES			Yellowish brown sub-rounded to rounded fine to coarse sandy GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS)	2.80	(1.30)	64.53	[Stippled pattern]
				Base of Excavation at 2.90m	2.90	(0.10)	64.43	[Stippled pattern]

General Remarks:
1) Completed at 2.90m bgl. 2) Backfilled with arisings on completion. 3) Landfill deposits have a putrid odour throughout.

Method: Trial Pit	Date(s): 20/08/2021	Logged By: MA	Checked By: NT
Client: Oxford University Development	Co-ords: 448134.66, 213009.23	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.09m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.50	ES			Dark brown gravelly SAND with high root content. (TOPSOIL - MADE GROUND) Orange brown clayey gravelly SAND. Gravel sized fragments of angular fine to coarse brick and concrete with occasional concrete boulders (40cm x 30cm) and frequent wire, scrap metal, glass bottles, plastic and fabric. (LANDFILL - MADE GROUND)	0.05	(0.05)	67.04	
1.30	ES			Orange brown gravelly SAND. Gravel sized fragments of angular fine to coarse concrete brick and asphalt with frequent plastic. (LANDFILL - MADE GROUND)	1.20	(0.20)	65.89	
2.00	ES			MADE GROUND consisting of black ash, concrete, brick, scrap metal, bike frames, knives, glass bottles (containing unknown liquid), paper and tyres. With strong putrid odour. (LANDFILL - MADE GROUND)	1.40	(0.20)	65.69	
2.90	ES			Greyish brown slightly clayey sub-rounded to rounded fine to coarse SAND & GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS)	2.80	(0.10)	64.29	
				Base of Excavation at 2.90m	2.90	(0.10)	64.19	

General Remarks:
1) Completed at 2.90m bgl. 2) Backfilled with arisings on completion. 3) Landfill deposits have a putrid odour throughout.

Method: Trial Pit	Date(s): 20/08/2021	Logged By: MA	Checked By: NT
Client: Oxford University Development	Co-ords: 448209.46, 213029.65	Stability: Stable	Dimensions: 4.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.25m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Brown silty gravelly SAND. Gravel is sub-rounded fine to coarse flint and sandstone. Gravel sized fragments of angular fine to coarse brick and concrete with frequent glass and plastic. (TOPSOIL - MADE GROUND)	0.20	(0.20)	67.05	
0.70	ES			Dark brown gravelly SAND with occasional boulders of concrete (40cm x 50cm). Gravel sized fragments of angular fine to coarse concrete brick and slag with frequent timber, glass bottles, plastic wrappers, pottery and metal scraps. (LANDFILL - MADE GROUND)	0.89	(0.69)	66.36	
				MADE GROUND consisting of blocks of concrete and cemented bricks. (LANDFILL - MADE GROUND)	0.90	(0.61)	66.35	
				Base of Excavation at 0.90m				

General Remarks:
1) Terminated at 0.90m bgl due to hard dig. 2) Backfilled with arisings on completion. 3) Landfill deposits have a putrid odour throughout.



Method: Trial Pit	Date(s): 06/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 447731.15, 213920.36	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 65.76m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Brown slightly gravelly clayey SAND. Gravel is sub angular to sub rounded fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	65.46	
0.80	D			Yellowish brown SAND and GRAVEL. Gravel is sub angular to sub rounded fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	1.10	(0.80)	64.66	
1.30 1.30	B HSV	46kPa		Firm to stiff grey and yellowish brown extremely closely fissured (blocky) CLAY. (KELLAWAYS CLAY MEMBER)	1.80	(0.70)	63.96	
1.65	HSV	48kPa			1.85	(0.05)	63.91	
1.80	D			Extremely weathered grey LIMESTONE. (CORNBRAsh LIMESTONE FORMATION) Base of Excavation at 1.85m	2			




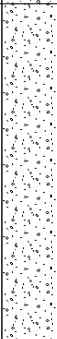
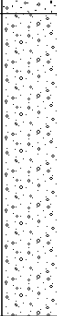
General Remarks:
1) Excavation completed at 1.85m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings 5) Moved 2.5m south from original position

Method: Trial Pit	Date(s): 06/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 447909.18, 213997.44	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.81m OD	Plant: JCB 3CX	0.60m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Brown clayey slightly gravelly SAND with frequent rootlets. Gravel is angular to sub rounded fine to coarse of flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.51	
0.60 - 0.70	B			Yellowish brown sandy GRAVEL with red staining. Gravel is angular to sub angular fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	0.80	(0.50)	67.01	
1.00	B			Yellowish brown slightly gravelly SAND. Gravel is angular to sub angular fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS) ... At 1.20m bgl gravelly.	1.90	(1.10)	65.91	
2.30	D			Dark yellowish brown SAND and GRAVEL with dark red staining. Gravel is angular to sub rounded fine to coarse of flint and limestone with rare cobbles of sub angular limestone. (RIVER TERRACE DEPOSITS)	2.60	(0.70)	65.21	
2.70 2.70 2.90	D HSV HSV	45kPa 89kPa		Stiff grey mottled with orangish brown extremely closely fissured CLAY. (KELLAWAYS CLAY MEMBER) ... From 2.70m bgl becoming grey and yellowish brown. ... At 2.90m bgl band of flint cobbles.	3.00	(0.40)	64.81	
				Base of Excavation at 3.00m				

General Remarks:
 1) Excavation completed at 3.00m bgl 2) Side collapse from 1.90m bgl 3) No groundwater encountered 4) Backfilled with arisings

Method: Trial Pit	Date(s): 09/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 447337.39, 213452.03	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.51m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	
Depth (m)	Type	Results							
0.15	ES			Stiff friable dark brown very sandy slightly gravelly CLAY with rootlets. Gravel is angular to subrounded, fine to coarse of limestone and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.21		
0.75	B			Stiff orangish brown and light brown very sandy CLAY. (HEAD DEPOSITS)	0.40	(0.10)	67.11		
0.75	B			Light brown and light grey very sandy angular to subrounded fine to coarse flint GRAVEL. (RIVER TERRACE DEPOSITS)	0.85	(0.45)	66.66		
1.00	D			Light brown very gravelly SAND. Gravel is angular to rounded, fine to coarse of flint and ironstone. (RIVER TERRACE DEPOSITS)	1	(1.15)			
2.70	B			Light greyish brown very sandy angular to rounded, fine to coarse flint and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	2	(1.00)	65.51		
				Base of Excavation at 3.00m					
5									

General Remarks:
 1) Excavation completed at 3.00m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings

Method: Trial Pit	Date(s): 08/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 447662.22, 213756.49	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.51m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Dark brown and brown slightly gravelly clayey SAND with rootlets. Gravel is subangular to subrounded, fine to coarse of flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.21	
0.40	D			Stiff brown sandy gravelly CLAY. Gravel is angular to subrounded, fine to coarse of flint and ironstone. (HEAD DEPOSITS)	0.50	(0.20)	67.01	
1.20	B			Light brown and yellow brown SAND & GRAVEL. Gravel is angular to subrounded, fine to coarse of flint, limestone and ironstone. (RIVER TERRACE DEPOSITS)	1.00	(0.50)	66.51	
2.60	D			... At 2.00m bgl: 20mm bands of soft very sandy clay.	2	(2.20)		
3.10	B			... At 2.60m bgl: 20mm bands of soft very sandy clay.	3			
				Base of Excavation at 3.20m	3.20		64.31	
					4			
					5			

General Remarks:
 1) Excavation completed at 3.20m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings



Project: Begbroke

Trialpit No
TP207 E



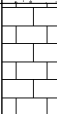

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Method: Trial Pit	Date(s): 06/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448046.16, 213963.36	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 64.01m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Stiff (dry) brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is angular to sub rounded fine to coarse of flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	63.71	
				Light grey weak LIMESTONE recovered as fine gravel to cobble sized angular to sub angular with weak fossils. (CORNBASH LIMESTONE FORMATION)	1.10	(0.80)	62.91	
				Base of Excavation at 1.10m				
					2			
					3			
					4			
					5			

General Remarks:
 1) Excavation completed at 1.10m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings

Method: Trial Pit	Date(s): 06/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448046.16, 213963.36	Stability: Stable	Dimensions: 2.50m 0.60m <input type="text"/>
Hydrock Project No: C-19114-C	Ground Level: 64.01m OD	Plant: JCB 3CX	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff (dry) brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is angular to sub rounded fine to coarse of flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	63.61	
0.70	B			Stiff yellowish brown slightly sandy slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of limestone. (CORNBASH LIMESTONE FORMATION)	0.70	(0.30)	63.31	
1.10	B			Light grey weak LIMESTONE recovered as fine gravel to cobble sized angular to sub angular with weak fossils. (CORNBASH LIMESTONE FORMATION)	1.10	(0.40)	62.91	
				----- Base of Excavation at 1.10m				
								

General Remarks:
 1) Excavation completed at 1.10m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings

Method: Trial Pit	Date(s): 07/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 447437.11, 213305.65	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.22m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Very stiff brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is angular to subrounded, fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	66.92	
0.60 - 0.70	B			Very stiff (dry) reddish brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular to rounded, fine to coarse of flint and limestone. (HEAD DEPOSITS)	0.90	(0.60)	66.32	
				Red brown slightly gravelly clayey SAND. Gravel is subangular to subrounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS) ... At 1.20m bgl: Yellow brown.	1.90	(1.00)	65.32	
2.10	B			Yellow brown gravelly clayey SAND. Gravel is subangular to subrounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	2.20	(0.30)	65.02	
				Grey and yellow brown SAND. (RIVER TERRACE DEPOSITS)	2.60	(0.40)	64.62	
2.90	D			Grey SAND & GRAVEL. Gravel is angular to subrounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	3.30	(0.70)	63.92	
				Base of Excavation at 3.30m				
▼								
4								
5								

General Remarks:
1) Excavation completed at 3.30m bgl. 2) Collapse between 1.90m bgl to 2.10m bgl. 3) Groundwater encountered at 3.20m bgl 3) Backfilled with arisings.



Project: Begbroke

Trialpit No
TP209
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Method: Trial Pit	Date(s): 06/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 447957.84, 213761.80	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 66.96m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff (dry) slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is sub angular to sub rounded fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	66.66	
0.60	B			Orangish brown gravelly SAND. Gravel is angular to rounded fine to coarse of flint quartz and limestone with dark red staining. (RIVER TERRACE DEPOSITS)	1.00	(0.70)	65.96	
1.40	D			Yellowish brown SAND and GRAVEL. Gravel is angular to sub rounded fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS) ... From 1.50m bgl becoming grey.	2.00	(2.20)		
3.40	D			Stiff grey extremely closely fissured (blocky) CLAY. (KELLAWAYS CLAY MEMBER) ... From 2.50m bgl pockets of red brown slightly gravelly sandy clay. Gravel is sub angular of flint.	3.20	(0.20)	63.76	
				Base of Excavation at 3.40m	3.40		63.56	

General Remarks:
 1) Excavation completed at 3.40m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings



Project: Begbroke

Trialpit No
TP210
 Page No. 1 of 1

Method: Trial Pit	Date(s): 06/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448139.28, 213830.17	Stability: Stable	Dimensions: 2.50m 0.60m <input type="text"/>
Hydrock Project No: C-19114-C	Ground Level: 63.78m OD	Plant: JCB 3CX	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff (dry) brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is sub angular to rounded fine to coarse of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	63.48	
				Stiff orangish brown slightly sandy slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to coarse of flint. (HEAD DEPOSITS)	0.50	(0.20)	63.28	
0.70	B			Extremely weathered grey LIMESTONE recovered as sub angular gravel and cobbles. (CORNBURASH LIMESTONE FORMATION)	0.70	(0.20)	63.08	
				----- Base of Excavation at 0.70m				
1								
2								
3								
4								
5								

General Remarks:
 1) Excavation completed at 0.7m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings



Method: Trial Pit	Date(s): 09/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 447736.46, 213417.42	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.97m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.15	ES			Dark brown and brown very clayey slightly gravelly SAND. Gravel is angular to rounded, fine to coarse of flint, limestone and rare brick. (AGRICULTURALLY DISTURBED TOPSOIL)	0.25	(0.25)	67.72	
0.60	D			Stiff brown very sandy gravelly CLAY. Gravel is subangular to rounded, fine to coarse of flint, ironstone and limestone. (RIVER TERRACE DEPOSITS)	0.85	(0.60)	67.12	
1.20	B			Orangish brown gravelly clayey SAND. Gravel is subangular to rounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	1	(0.75)	66.37	
1.80	D			Light brown SAND & GRAVEL. Gravel is subangular to rounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	1.60			
2.10	D			... From 2.00m bgl: Pockets of clayey gravelly fine to coarse sand.	2	(1.40)		
Base of Excavation at 3.00m					3.00		64.97	
					4			
					5			

General Remarks:
 1) Excavation completed at 3.00m bgl 2) Slight spalling in pit walls. 3) No groundwater encountered 4) Backfilled with arisings

Method: Trial Pit	Date(s): 09/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 447831.39, 213392.52	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 68.02m OD	Plant: JCB 3CX	0.60m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.70 0.70	B ES			Dark brown and brown very sandy slightly gravelly CLAY with rootlets. Gravel is subangular to rounded, fine to coarse of flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.72	
				Stiff friable orangish brown very sandy CLAY with rootlets. (HEAD DEPOSITS)	0.50	(0.20)	67.52	
				Light brown SAND & GRAVEL. Gravel is angular to rounded, fine to coarse of limestone, flint and occasional ironstone. (RIVER TERRACE DEPOSITS)	1.10	(0.60)	66.92	
				Light brown slightly gravelly fine to medium SAND. Gravel is fine to medium, angular to rounded of flint, limestone and ironstone. (RIVER TERRACE DEPOSITS)	1.80	(0.70)	66.22	
1.90	D			Light brown slightly gravelly fine to medium SAND with pockets of soft light brown very sandy CLAY. Gravel is fine to medium, angular to rounded of flint, limestone and ironstone. (RIVER TERRACE DEPOSITS) ... From 1.80m bgl: Becoming very gravelly.	2	(1.40)		
2.70	B							
3.00	D							
Base of Excavation at 3.20m					3.20		64.82	
					4			
					5			

General Remarks:
1) Excavation completed at 3.20m bgl 2) Slight spalling in pit walls. 3) No groundwater encountered 4) Backfilled with arisings

Method: Trial Pit	Date(s): 06/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448113.62, 213758.36	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 65.26m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff (dry) brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is sub angular to sub rounded fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	64.96	
0.70	B			Stiff (dry) orangish brown slightly sandy slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of flint with dark red staining. (RIVER TERRACE DEPOSITS)	1.00	(0.70)	64.26	
1.30	D			Very stiff yellow brown slightly gravelly sandy CLAY. Gravel is angular to subrounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	1.70	(0.70)	63.56	
2.10 2.10	D HSV	55kPa		Stiff grey extremely closely fissured (blocky) CLAY. (KELLAWAYS CLAY MEMBER)	2	(1.00)		
2.40	HSV	69kPa						
2.80	D			Yellow brown clayey sandy GRAVEL of subangular fine to coarse limestone. (CORNBASH LIMESTONE FORMATION)	2.70 2.80	(0.10)	62.56 62.46	
				Base of Excavation at 2.80m				
3								
4								
5								

General Remarks:
 1) Excavation completed at 2.80m bgl 2) Sides stable throughout excavation 3) Groundwater encountered at 2.70m bgl 4) Backfilled with arisings



Method: Trial Pit	Date(s): 08/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 448069.09, 213481.30	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 68.21m OD	Plant: JCB 3CX	0.60m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Dark brown slightly gravelly clayey fine to medium SAND with rootlets. Gravel is angular to subrounded, fine to coarse of flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.91	
0.50 0.60	ES B			Brown and orangish brown clayey gravelly SAND. Gravel is angular to coarse, fine to coarse of flint, limestone, ironstone and ironstone. (RIVER TERRACE DEPOSITS)	0.90	(0.60)	67.31	
1.10	D			Light brown SAND & GRAVEL. Gravel is angular to rounded, fine to coarse, flint and occasional ironstone. (RIVER TERRACE DEPOSITS)	1	(1.70)		
2.50	B			Reddish brown to brown very gravelly clayey SAND. Gravel is angular to rounded, fine to coarse, flint and occasional ironstone. (RIVER TERRACE DEPOSITS)	2.60	(0.50)	65.61	
3.30	D			Soft light grey sandy gravelly CLAY. Gravel is subangular to subrounded, fine to coarse flint and limestone. (RIVER TERRACE DEPOSITS)	3.10	(0.40)	65.11	
				Base of Excavation at 3.50m	3.50		64.71	
					4			
					5			

General Remarks:
1) Excavation completed at 3.50m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings

Method: Trial Pit	Date(s): 06/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448273.01, 213681.66	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 64.79m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is sub angular to rounded fine to medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	64.49	
0.80	D			Stiff orangish brown slightly sandy slightly gravelly CLAY. Gravel is angular to sub angular fine to medium of flint. (HEAD DEPOSITS)	1.20	(0.90)	63.59	
1.70 1.70	B HSV	47kPa		Stiff yellowish brown sandy CLAY with black speckles. (RIVER TERRACE DEPOSITS)	2.70	(1.50)	62.09	
2.20	HSV	27kPa		... At 2.0m bgl: Firm.				
2.80	D			Brown clayey SAND and GRAVEL. Gravel is sub angular fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	3.20	(0.50)	61.59	
				Firm grey and yellowish brown thin laminated CLAY with occasional oyster shells. (KELLAWAYS CLAY MEMBER)	3.60	(0.40)	61.19	
Base of Excavation at 3.60m								

General Remarks:
 1) Excavation completed at 3.60m bgl 2) Sides stable throughout excavation 3) Groundwater encountered at 3.50m bgl 4) Backfilled with arisings

Method: Trial Pit	Date(s): 08/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 447976.36, 213242.20	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.88m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff friable dark brown very sandy gravelly CLAY with rootlets. Gravel is angular to subrounded, fine to coarse flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.35	(0.35)	67.53	
				Stiff brown friable very sandy slightly gravelly CLAY. Gravel is angular to subrounded, fine to coarse flint. (HEAD DEPOSITS)	0.60	(0.25)	67.28	
0.80	ES			Light brown sandy angular to rounded, fine to coarse flint and limestone GRAVEL with some shell fragments. (RIVER TERRACE DEPOSITS)	0.90	(0.30)	66.98	
1.40	D			Light brown gravelly SAND with occasional slightly clayey pockets. Gravel is angular to rounded, fine to coarse flint and limestone (RIVER TERRACE DEPOSITS)	1			
2.70	B				2	(2.20)		
3.15	D			Soft light brown very sandy CLAY. (RIVER TERRACE DEPOSITS)	3.10		64.78	
				Base of Excavation at 3.20m	3.20	(0.10)	64.68	

General Remarks:
 1) Excavation completed at 3.20m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings

Method: Trial Pit	Date(s): 08/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 448136.71, 213298.99	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 66.63m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.40	ES			Stiff dark brown very sandy gravelly CLAY with rootlets. Gravel is subangular to rounded, fine to coarse of flint and occasional limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	66.33	
0.80	D			Light brown very sandy subangular to subrounded, fine to coarse of flint and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	0.60	(0.30)	66.03	
1.50	B			Light brown slightly gravelly SAND. Gravel is subangular to subrounded, fine to coarse of flint and limestone (RIVER TERRACE DEPOSITS)	1.10	(0.50)	65.53	
2.80	D			Brown and light brown angular to subrounded, fine to coarse of flint, limestone and occasional ironstone GRAVEL with shell fragments and occasional very weakly cemented gravel of above material. (RIVER TERRACE DEPOSITS)	2.70	(1.60)	63.93	
				Light greyish and light brown sandy slightly clayey subangular to subrounded, fine to coarse flint GRAVEL. (RIVER TERRACE DEPOSITS)	2.70	(0.30)	63.93	
Base of Excavation at 3.00m					3.00		63.63	

General Remarks:
 1) Excavation completed at 3.00m bgl due to continued collapse to 2.90m bgl. 2) Groundwater encountered at 2.65m bgl. 3) Backfilled with arisings.

Method: Trial Pit	Date(s): 08/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 448249.99, 213425.70	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 65.01m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.15	ES			Stiff dark brown very sandy slightly gravelly CLAY with rootlets. Gravel is subangular to rounded, fine to coarse of flint and occasional limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.25	(0.25)	64.76	
0.70	B			Stiff friable orangish brown very sandy CLAY. (RIVER TERRACE DEPOSITS)	0.60	(0.35)	64.41	
0.70	B			Stiff friable orangish brown slightly sandy CLAY. (RIVER TERRACE DEPOSITS)	1.00	(1.60)		
2.40 2.40	D HSV	23kPa		Soft to firm very sandy CLAY with bands of black subrounded to rounded fine to course flint gravel. (RIVER TERRACE DEPOSITS)	2.20	(0.70)	62.81	
3.20	D			Soft light brown very sandy SILT/CLAY. (KELLAWAYS SAND MEMBER)	2.90	(0.50)	62.11	
				Base of Excavation at 3.40m	3.40		61.61	
5								

General Remarks:
 1) Excavation completed at 3.40m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings

Method: Trial Pit	Date(s): 08/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 448304.80, 213502.00	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 66.63m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.25	ES			Stiff friable dark brown very sandy gravelly CLAY. Gravel is angular to subrounded, fine to coarse ironstone and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.35	(0.35)	66.28	
0.70	D			Light brown and brown SAND & GRAVEL with low cobble content of limestone. Gravel is angular to subrounded, fine to coarse flint, limestone and ironstone. (RIVER TERRACE DEPOSITS)	1.50	(1.15)	65.13	
1.60	B			Light brown and brown slightly clayey SAND & GRAVEL with low cobble content of limestone. Gravel is angular to subrounded, fine to coarse flint, limestone and ironstone. (RIVER TERRACE DEPOSITS)	2.00	(0.50)	64.63	
2.30	D			Soft grey and orangish brown sandy clayey SILT with occasional black staining. (KELLAWAYS SAND MEMBER) ... At 2.00m bgl in east end of pit: Stiff grey sandy silty clay.	2.80	(0.80)	63.83	
Base of Excavation at 2.80m					2.80		63.83	
					3			
					4			
					5			

General Remarks:
1) Excavation completed at 2.80m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings

Method: Trial Pit	Date(s): 06/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448329.39, 213600.23	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 66.61m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is angular to sub rounded fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	66.31	
0.70	D			Stiff yellowish brown slightly sandy slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS)	0.80	(0.50)	65.81	
1.20	B			Stiff orangish brown mottled with grey sandy slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	1.50	(0.70)	65.11	
1.60	D			Orangish brown sandy GRAVEL. Gravel is angular to sub rounded fine to coarse of flint limestone with dark red staining. (RIVER TERRACE DEPOSITS)	2.20	(0.70)	64.41	
2.50	B			Stiff grey mottled with orangish brown sandy SILT. Sand is fine. (KELLAWAYS SAND MEMBER)	2.60	(0.40)	64.01	
2.90	HSV	77kPa		Very stiff grey mottled with orangish brown thin laminated CLAY with reddish brown staining. (KELLAWAYS CLAY MEMBER)	3.10	(0.50)	63.51	
3.10	D			... At 3m bgl dark blue grey with occasional yellow speckle. ----- Base of Excavation at 3.10m				

General Remarks:
 1) Excavation completed at 3.10m bgl 2) Sides stable throughout excavation 3) No groundwater encountered 4) Backfilled with arisings



Method: Trial Pit	Date(s): 05/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 447975.27, 213011.57	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 67.16m OD	Plant: JCB 3CX	0.60m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff (dry) brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is sub rounded fine to medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	66.86	
0.70	B			Stiff (dry) orangish brown slightly sandy slightly gravelly CLAY. Gravel is sub angular to angular fine to medium of flint. (HEAD DEPOSITS)	1.30	(1.00)	65.86	
1.70	D			Orangish brown slightly gravelly SAND. Gravel is sub rounded to sub angular fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	1.90	(0.60)	65.26	
2.20 - 2.23	B			Brownish grey gravelly SAND. Gravel is sub rounded to sub angular fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	2.30	(0.40)	64.86	
----- Base of Excavation at 2.30m								
					3			
					4			
					5			

General Remarks:
 1) Excavation completed at 2.30m bgl 2) Side collapse from 1.90m bgl 3) No groundwater encountered 4) Backfilled with arisings

Method: Trial Pit	Date(s): 09/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 448371.12, 213242.91	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 62.69m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.15	ES			Stiff friable dark brown very sandy slightly gravelly CLAY with rootlets. Gravel is angular to subrounded, fine to coarse of limestone and flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.20	(0.20)	62.49	
				Stiff orangish brown very sandy CLAY. (RIVER TERRACE DEPOSITS)	0.40	(0.20)	62.29	
0.60	B			Orangish brown clayey fine to medium SAND. (RIVER TERRACE DEPOSITS)				
1.40	D			... At 1.70m bgl: Occasional bands of very clayey sand.		(1.70)		
2.70	B			Brown slightly clayey SAND with frequent bands of up to 100mm light brown SAND & GRAVEL. Gravel is subangular to rounded, fine to medium of flint and chalk. (RIVER TERRACE DEPOSITS)	2.10	(0.90)	60.59	
				Base of Excavation at 3.00m	3.00		59.69	

General Remarks:
 1) Excavation completed at 3.00m bgl due to collapse. 2) Groundwater encountered at 2.65m bgl. 3) Backfilled with arisings.

Method: Trial Pit	Date(s): 08/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 448471.84, 213229.20	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.61m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.15	ES			Stiff friable dark brown slightly gravelly very sandy CLAY. Gravel is subangular to subrounded, fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	61.31	
0.60	D			Stiff friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded, fine to coarse of flint. (ALLUVIUM)	0.90	(0.60)	60.71	
1.20	B			Greyish brown and brown slightly clayey very gravelly SAND. Gravel is angular to subrounded, fine to coarse of limestone and flint. (RIVER TERRACE DEPOSITS)	1.10	(0.20)	60.51	
2.40	D		▼	Greyish brown and brown SAND & GRAVEL. Gravel is angular to subrounded, fine to coarse of limestone and flint. (RIVER TERRACE DEPOSITS)	2.60	(1.50)	59.01	
				Base of Excavation at 2.60m				
					3			
					4			
					5			

General Remarks:
 1) Excavation completed at 2.60m bgl due to continued collapse. 2) Groundwater encountered at 2.10m bgl. 3) Backfilled with arisings.

Method: Trial Pit	Date(s): 08/09/2022	Logged By: WS	Checked By: CV
Client: Oxford University Development	Co-ords: 448434.28, 213117.11	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.80m OD	Plant: JCB 3CX	0.60m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
				Dark brown and brown slightly gravelly clayey SAND with rootlers. Gravel is subangular to rounded, fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	61.50	
0.50	ES			Very stiff brown, light brown and orangish brown sandy slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of flint and limestone. (ALLUVIUM)	1.20	(0.90)	60.60	
0.90	B							
1.60	D			Brown slightly clayey very gravelly SAND. Gravel is angular to rounded, fine to coarse of flint, ironstone and limestone. (RIVER TERRACE DEPOSITS)	1.50	(0.30)	60.30	
				Brown very gravelly SAND. Gravel is angular to rounded, fine to coarse of flint, ironstone and limestone. (RIVER TERRACE DEPOSITS)	2.20	(0.70)	59.60	
2.60	B			Brown SAND & GRAVEL. Gravel is angular to rounded, fine to coarse of flint, ironstone and limestone. (RIVER TERRACE DEPOSITS)	2.70	(0.50)	59.10	
				Base of Excavation at 2.70m				
					3			
					4			
					5			

General Remarks:
 1) Excavtion completed at 2.70m bgl due to continued collapse. 2) Groundwater encountered at 2.20m bgl. 3) Backfilled with arisings.

Method: Trial Pit	Date(s): 05/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448078.07, 212771.36	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.55m OD	Plant: JCB 3CX	0.60m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff (dry) brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is sub rounded fine to medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.35	(0.35)	61.20	
0.80	D			Stiff (dry) orangish brown slightly sandy slightly gravelly CLAY with dark red staining. Gravel is angular to sub rounded fine to medium of flint. (ALLUVIUM)	0.90	(0.55)	60.65	
1.40 1.40	B HSV	kPa		Stiff grey slightly gravelly CLAY with dark red staining. Gravel is sub angular fine to course of flint. (ALLUVIUM)	1.80	(0.90)	59.75	
2.10 2.10	D HSV	11kPa		Soft grey and orangish brown sandy slightly gravelly CLAY. Gravel is sub rounded fine to course of limestone and rare cobbles of sub angular flint. (ALLUVIUM)	2.80	(1.00)	58.75	
3.00	D			Greyish brown sandy GRAVEL. Gravel is rounded to sub angular fine to course of flint quartz and limestone. (RIVER TERRACE DEPOSITS)	3.10	(0.30)	58.45	
				Base of Excavation at 3.10m				
5								

General Remarks:
 1) Excavation completed at 3.10m bgl 2) Sides stable throughout excavation 3) Groundwater encountered at 2.80m bgl 4) Backfilled with arisings



Method: Trial Pit	Date(s): 05/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448227.15, 212898.83	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 63.98m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff (dry) brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is angular to sub rounded fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	63.68	
0.70	B			Stiff (dry) brown slightly sandy slightly gravelly CLAY. Gravel is angular to sub rounded fine to coarse of flint. (HEAD DEPOSITS)	1.20	(0.90)	62.78	
1.30	D			Dark grey clayey slightly gravelly SAND. Gravel is angular to sub rounded fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	2.00	(0.80)	61.98	
2.20	B		▼	Grey brown SAND and GRAVEL. Gravel is sub angular to rounded fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	2.20	(0.20)	61.78	
				Base of Excavation at 2.20m				
					3			
					4			
					5			

General Remarks:
 1) Excavation completed at 2.20m bgl 2) Side collapse from 1.90m bgl on south east wall of pit 3) Groundwater encountered at 2.10m bgl 4) Backfilled with arisings

Method: Trial Pit	Date(s): 05/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448181.17, 212706.13	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 60.71m OD	Plant: JCB 3CX	0.60m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff (dry) brown slightly sandy slightly gravelly CLAY. Gravel is sub angular to rounded fine to medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	60.41	
0.60 - 0.70 0.65	B HSV	73kPa		Stiff grey and orangish brown slightly sandy slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (ALLUVIUM)	1.20	(0.90)	59.51	
1.70	D		▼	Greyish brown sandy GRAVEL. Gravel is sub angular to rounded fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	1.90	(0.70)	58.81	
----- Base of Excavation at 1.90m					2			
					3			
					4			
					5			

General Remarks:
1) Excavation completed at 1.90m bgl 2) Sides collapse from 1.40m bgl 3) Groundwater encountered at 1.50m bgl 4) Backfilled with arisings

Method: Trial Pit	Date(s): 05/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448346.09, 212872.94	Stability: Unstable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.32m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Stiff (dry) brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is sub rounded fine to medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	60.92	
0.70	D			Stiff (dry) dark brown mottled with orangish brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is sub rounded to angular fine to medium of flint. (ALLUVIUM) ... At 0.50m bgl possible land drain, pit moved back.	1.00	(0.60)	60.32	
1.20	B			Light grey gravelly SAND. Gravel is sub angular to rounded fine to coarse of flint quartz and limestone. (RIVER TERRACE DEPOSITS)	1.60	(0.60)	59.72	
2.00	D		▼	Brownish grey SAND and GRAVEL. Gravel is sub angular to rounded fine to coarse of flint quartz and limestone. (RIVER TERRACE DEPOSITS)	2.00	(0.40)	59.32	
----- Base of Excavation at 2.00m					2			
					3			
					4			
					5			

General Remarks:
 1) Excavation completed at 2.00m bgl 2) Side collapse from 1.30 to 2.00m bgl 3) Groundwater encountered at 1.80m bgl 4) Backfilled with arisings 5) Possible land drain at 0.50m bgl pit moved back.

Method: Trial Pit	Date(s): 07/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448885.52, 213149.34	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.10m OD	Plant: JCB 3CX	0.60m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Very stiff brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is subangular to subrounded, fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	60.80	
0.60	ES			Stiff grey and orange brown slightly sandy slightly gravelly CLAY with occasional rootlets, pockets of dark red staining and pockets of sandy clay. Gravel is subangular to subrounded, fine to medium of flint. (ALLUVIUM)	0.80	(0.50)	60.30	
1.00	D			Grey SAND & GRAVEL. Gravel is angular to subrounded, fine to coarse of flint and limestone. (ALLUVIUM)	1.20	(0.40)	59.90	
			▼	Grey slightly gravelly SAND. Gravel is subangular to subrounded, fine to coarse of flint and limestone. (ALLUVIUM)	1.50	(0.30)	59.60	
				Grey SAND & GRAVEL. Gravel is angular to subrounded, fine to coarse of flint and limestone. (ALLUVIUM)	2.15	(0.65)	58.95	
2.20	D			Soft grey slightly sandy slightly gravelly SILT. Gravel is angular to subangular, fine to coarse of flint. (ALLUVIUM)	2.20	(0.05)	58.90	
				Base of Excavation at 2.20m				
3								
4								
5								

General Remarks:
 1) Excavation completed at 2.20m bgl due to collapse to 1.40m bgl. 2) Groundwater encountered at 1.40m bgl 3) Backfilled with arisings.

Method: Trial Pit	Date(s): 07/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448870.93, 212956.78	Stability: Stable	Dimensions: 2.50m
Hydrock Project No: C-19114-C	Ground Level: 60.73m OD	Plant: JCB 3CX	Scale: 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Very stiff (dry) brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is sub angular to rounded fine to medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	60.43	
0.60	D			Stiff (dry) orangish brown slightly sandy slightly gravelly CLAY. Gravel is sub angular to rounded fine to coarse of flint. (ALLUVIUM)	0.80	(0.50)	59.93	
1.10	B			Grey yellowish brown slightly gravelly SAND. Gravel is angular to sub rounded fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	1.30	(0.50)	59.43	
2.10	D		▼	Grey sandy GRAVEL. Gravel is angular to sub rounded fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	2.10	(0.80)	58.63	
Base of Excavation at 2.10m								

General Remarks:
 1) Excavation completed at 2.10m bgl 2) Side collapse at 1.60m bgl with running sands 3) Groundwater encountered at 1.60m bgl 4) Backfilled with arisings



Method: Trial Pit	Date(s): 07/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 449151.45, 212990.46	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 60.72m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Very stiff dark brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is angular to sub angular fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	60.42	
0.50	B			Stiff orangish brown mottled with grey slightly sandy slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of limestone with dark red staining and occasional shells. (ALLUVIUM)	0.70	(0.40)	60.02	
0.80	HSV	17kPa	▼	Soft grey mottled with orangish brown sandy slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to coarse of flint limestone with dark red staining. (ALLUVIUM)	0.90	(0.20)	59.82	
1.00	D			Grey mottled with orangish brown clayey slightly gravelly SAND. Gravel is sub angular to sub rounded fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)	1.50	(0.60)	59.22	
1.70	B			Firm to stiff dark blueish grey CLAY. (OXFORD CLAY FORMATION)	1.90	(0.40)	58.82	
1.80	HSV	57kPa			1.90		58.82	
				Base of Excavation at 1.90m	2			
					3			
					4			
					5			

General Remarks:
 1) Excavation completed at 1.90m bgl 2) Side collapse at 2.00m bgl with running sands 3) Groundwater encountered at 0.70m bgl 4) Backfilled with arisings



Method: Trial Pit	Date(s): 07/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448968.63, 212654.79	Stability: Slight Spalling	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 60.40m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Very stiff brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is angular to sub angular fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	60.10	
0.50	D			Firm yellowish brown mottled with grey slightly sandy slightly gravelly CLAY. Gravel is sub angular fine to coarse of flint. (ALLUVIUM)	0.80	(0.50)	59.60	
1.40	D		▼	Grey SAND and GRAVEL. Gravel is sub angular to rounded fine to coarse of flint limestone and quartz. (RIVER TERRACE DEPOSITS) ... From 1.54m bgl pockets of sand.	1	(1.30)		
2.10	B			Base of Excavation at 2.10m	2		58.30	
					3			
					4			
					5			

General Remarks:
 1) Excavation completed at 2.10m bgl 2) Side collapse at 1.50m bgl with running sands 3) Groundwater encountered at 1.50m bgl 4) Backfilled with arisings



Method: Trial Pit	Date(s): 07/09/2022	Logged By: AA	Checked By: CV
Client: Oxford University Development	Co-ords: 448830.19, 212358.75	Stability: Stable	Dimensions: 2.50m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 59.92m OD	Plant: JCB 3CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Very stiff brown slightly sandy slightly gravelly CLAY with frequent rootlets. Gravel is angular to sub angular fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	59.62	
0.70 - 0.90	B			Firm grey mottled with yellowish brown sandy CLAY. (ALLUVIUM) ... Land drain at 0.60m bgl.	0.70	(0.40)	59.22	
1.70	D		▼	Grey SAND and GRAVEL. Gravel is angular to sub rounded fine to coarse of flint quartz and limestone. (ALLUVIUM) ... From 1.60m bgl pockets of grey sand.	1.90	(1.20)	58.02	
1.90	HSV	55kPa		Firm to stiff grey slightly gravelly silty CLAY. Gravel is sub angular medium to coarse of flint and limestone. (ALLUVIUM)	2.00	(0.10)	57.92	
2.00	D			Base of Excavation at 2.00m				

General Remarks:
 1) Excavation completed at 2.00m bgl 2) Side collapse at 1.20m bgl 3) Groundwater encountered at 1.70m bgl 4) Backfilled with arisings




Method: Trial Pit	Date(s): 31/01/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448360.91, 213377.67	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 62.88m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Dark brown organic slightly gravelly clayey SAND. Gravel is rounded to sub-angular fine of flint and quartz, with occasional limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.35	(0.35)	62.53	
0.80 - 1.00	B			Light brown very clayey SAND with frequent pockets (up to 160mm diameter) of soft to firm sandy clay. (ALLUVIUM)	1.00	(1.55)		
1.20	ES		▼		1.90		60.98	
2.10 - 2.40	B		▼	Grey mottled brown clayey gravelly SAND. Gravel is rounded to sub-angular fine to medium of limestone, quartz and flint. (ALLUVIUM)	2.10	(0.20)	60.78	
2.20	HSV	40kPa		Soft light brown slightly silty sandy CLAY. (ALLUVIUM)	2.45	(0.35)	60.43	
2.60 - 2.70	B			Yellowish brown sandy rounded to sub-angular fine to coarse of limestone, quartz, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	2.70	(0.25)	60.18	
				Base of Excavation at 2.70m				
					3			
					4			
					5			

General Remarks:

1. Trial pit terminated at 2.70m bgl.
2. Trial pit walls show minor instability during excavation between 1.75m to 2.50m.
3. Trial pit walls did not collapse during the period the excavation remained open (15 mins)

Method: Trial Pit	Date(s): 31/01/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448427.69, 213380.45	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.93m OD	Plant: JCB 3-CX	0.60m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Dark brown organic slightly gravelly clayey SAND. Gravel is rounded to sub-angular fine of flint and quartz, with occasional limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.34	(0.34)	61.59	
0.80 - 1.00	B			Light brown very clayey SAND with frequent pockets (up to 130mm in diameter) of soft to firm sandy clay. (ALLUVIUM)	1	(1.16)		
1.20	ES		▼		1.50		60.43	
1.60 - 1.70	B			Yellowish brown sandy rounded to sub-angular fine to coarse of limestone, quartz, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	1.70	(0.20)	60.23	
				Base of Excavation at 1.70m				
				2				
				3				
				4				
				5				

General Remarks:
 1. Trial pit terminated at 1.70m bgl
 2. Trial pit walls showed high instability from 0.5m to 1.70m - Trial pit collapsed to 1.30m depth from 1.70m.
 3. Constant collapse of pit walls prevented excavation advancing beyond 1.70m depth.

Groundwater: Moderate inflow of groundwater encountered at 1.20m.

Method: Trial Pit	Date(s): 02/02/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448482.86, 213384.09	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.61m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Light brown organic slightly gravelly clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.25	(0.25)	61.36	
0.30 - 0.60	B			Soft to firm light orange brown very sandy CLAY with frequent pockets (up to 170mm in diameter) of clayey sand. (ALLUVIUM)	0.80	(0.55)	60.81	
0.80 - 1.20	B			Yellowish brown sandy rounded to sub-angular fine to coarse of limestone, quartz, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	1.70	(0.90)	59.91	
Base of Excavation at 1.70m								
					2			
					3			
					4			
					5			

General Remarks:
 1. Trial pit terminated at 1.70m bgl.
 2. Trial pit walls showed high instability from 0.80m to 1.70m - Trial pit collapsed to 1.40m depth.
 3. Constant collapse of pit walls prevented excavation advancing beyond 1.70m depth.

Method: Trial Pit	Date(s): 31/01/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448360.51, 213311.58	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 62.40m OD	Plant: JCB 3-CX	0.60m <input type="text"/>

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20 - 1.20	ES			Light brown organic slightly gravelly clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.30	(0.30)	62.10	
0.60 - 0.80	B			Light orange brown very clayey SAND with frequent pockets (up to 220mm in diameter) of soft sandy clay. (ALLUVIUM)	1	(0.80)		
0.80	ES		▼					
1.30 - 1.50	B			Dark grey and brown very clayey SAND with frequent pockets (up to 180mm in diameter) of soft sandy clay. (ALLUVIUM)	2	(1.20)	61.30	
2.40 - 2.50	B			Yellowish brown sandy rounded to sub-angular fine to coarse of limestone, quartz, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	2.30	(0.20)	60.10	
				Base of Excavation at 2.50m				
					3			
					4			
					5			

General Remarks:
 1. Trial pit terminated at 2.50m bgl .
 2. Trial pit walls showed high instability from 1.10m to 2.50m - Trial pit collapsed to 1.70m depth from 2.50m.
 3. Constant collapse of pit walls prevented excavation advancing beyond 2.50m depth.

Groundwater: Moderate inflow of groundwater encountered at 1.0m



Method: Trial Pit	Date(s): 31/01/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448431.09, 213314.69	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.70m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	
Depth (m)	Type	Results							
0.20	B			Light brown organic slightly gravelly clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.28	(0.28)	61.42		
0.40 - 0.60	B		▼	Light orange brown very clayey SAND with frequent pockets (up to 180mm in diameter) of soft sandy clay. (ALLUVIUM)	0.85	(0.57)	60.85		
1.00 - 1.40	B			Yellowish brown sandy rounded to sub-angular fine to coarse of limestone, quartz, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	1.40	(0.55)	60.30		
1.30	ES		▼	Base of Excavation at 1.40m					
					2				
					3				
					4				
					5				

General Remarks:

1. Trial pit terminated at 1.40m bgl.
2. Trial pit walls showed high instability from ground level to 1.40m - Trial pit collapsed to 1.0m depth from 1.40m.
3. Constant collapse of pit walls prevented excavation advancing beyond 1.40m depth.

Groundwater: Minor inflow of groundwater encountered at 0.65m depth. High inflow of groundwater encountered at 1.40m.

Method: Trial Pit	Date(s): 02/02/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448486.84, 213317.89	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.50m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.50 0.50 0.60 - 0.80	ES HSV B	65kPa		Light brown organic slightly gravelly clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.25	(0.25)	61.25	
1.00 - 1.20	B			Firm light brown sandy CLAY with occasional pockets (up to 150mm in diameter) of clayey sand. (ALLUVIUM)	0.70	(0.45)	60.80	
1.50	ES		▼	Light brown very clayey SAND with occasional pockets (up to 130mm in diameter) of sandy clay. (ALLUVIUM)	1.00	(0.30)	60.50	
				Yellowish brown sandy rounded to sub-angular fine to coarse of limestone, quartz, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)		(0.60)		
				Base of Excavation at 1.60m	1.60		59.90	
					2			
					3			
					4			
					5			

General Remarks:
 1. Trial pit terminated at 2.40m bgl.
 2. Trial pit walls showed high instability from ground level to 1.60m - Trial pit collapsed to from ground surface to 1.20m depth from 1.60m.
 3. Constant collapse of pit walls prevented excavation advancing beyond 1.60m depth.

Groundwater: Moderate inflow of groundwater encountered at 1.40m.

Method: Trial Pit	Date(s): 06/02/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448595.06, 213370.63	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.54m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.30 - 0.50	B	55kPa		Dark brown organic slightly gravelly clayey SAND. Gravel is rounded to sub-angular fine of flint and quartz, with occasional limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.23	(0.23)	61.31	
0.50	HSV			Firm light brown sandy CLAY with occasional pockets (up to 190mm in diameter) of clayey sand. (ALLUVIUM)	0.60	(0.37)	60.94	
1.20 - 1.50	B	Light brown clayey SAND with occasional pockets (up to 140mm in diameter) of sandy clay. (ALLUVIUM)		1.00	(0.40)	60.54		
		Light grey and yellowish brown sandy GRAVEL. Gravel is rounded to sub-angular fine to coarse of limestone, quartz, flint, mudstone sandstone. (ALLUVIUM)		1.60	(0.60)	59.94		
2.20 - 2.40	B	Soft dark brown sandy CLAY/SILT with occasional sub vertical fine to medium rootlets. (ALLUVIUM)		2.40	(0.80)	59.14		
Base of Excavation at 2.40m								
					3			
					4			
					5			

General Remarks:
 1. Trial pit terminated at 2.40m bgl.
 2. Trial pit walls showed high instability from 0.60m to 2.40m - Trial pit collapsed to 1.70m depth from 2.40m.
 3. Constant collapse of pit walls prevented excavation advancing beyond 1.60m depth. 5. Groundwater level in trial pit measured at 1.2m after 10 minutes.

Groundwater: Moderate inflow of groundwater encountered at 1.30m.

Method: Trial Pit	Date(s): 06/02/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448567.49, 213329.83	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.50m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.30 - 0.50	B			Dark brown organic slightly gravelly very clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.22	(0.22)	61.28	
0.50	HSV	55kPa		Firm light brown sandy CLAY with occasional pockets (up to 170mm in diameter) of clayey sand. (ALLUVIUM)	0.70	(0.48)	60.80	
0.80 - 1.10	B		▼	Light grey and yellowish brown sandy rounded to sub-angular fine to coarse of limestone, quartz, flint, mudstone sandstone. GRAVEL. (ALLUVIUM)	1.20	(0.50)	60.30	
1.30 - 1.70	B			Firm to stiff light brown mottled grey brown slightly sandy slightly gravelly CLAY. Gravel is rounded to sub-rounded fine to medium of mudstone, sandstone and quartz. (GLACIAL WASHOUT TILL?)	1.80	(0.60)	59.70	
1.50	HSV	90kPa						
2.20 - 2.40	B			Light grey and yellowish brown slightly sandy rounded fine to coarse of limestone, quartz, flint, mudstone sandston GRAVEL. (RIVER TERRACE DEPOSITS)	2.50	(0.70)	59.00	
				Base of Excavation at 2.50m				
				3				
				4				
				5				

General Remarks:
 1. Trial pit terminated at 2.50m bgl.
 2. Trial pit walls showed moderate instability from 1.20m to 2.50m - Trial pit collapsed to 2.30m depth from 2.50m.
 3. Constant collapse of pit walls prevented excavation advancing beyond 2.50m depth.

Groundwater: Moderate inflow of groundwater encountered at 0.70m.

Method: Trial Pit	Date(s): 06/02/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448629.85, 213343.06	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.41m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Dark brown organic slightly gravelly very clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.20	(0.20)	61.21	
0.50	HSV	55kPa		Firm light brown sandy CLAY with occasional pockets (up to 150mm in size) of clayey sand. (ALLUVIUM)	0.55	(0.35)	60.86	
0.60 - 0.70	B			Light brown very clayey SAND with occasional pockets (up to 110mm in size) of sandy clay. (ALLUVIUM)	0.80	(0.25)	60.61	
0.90 - 1.20	B			Light grey and orange brown very sandy rounded to sub-angular fine to coarse of limestone, quartz, flint, mudstone sandstone GRAVEL. (ALLUVIUM)	1.00	(1.00)		
1.90 - 2.00	B			Soft to firm light brown mottled dark brown sandy CLAY/SILT with occasional sub vertical fine to medium rootlets. (ALLUVIUM)	1.80	(0.40)	59.61	
Base of Excavation at 2.20m					2.20		59.21	
					3			
					4			
					5			

General Remarks:

1. Trial pit terminated at 2.20m bgl.
2. Trial pit walls showed high instability from 0.90 to 1.80m - Trial pit collapsed to 1.80m depth from 2.20m.
3. Constant collapse of pit walls prevented excavation advancing beyond 2.20m depth.

Groundwater: Moderate inflow of groundwater encountered at 1.50m



Method: Trial Pit	Date(s): 06/02/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448610.12, 213265.95	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.42m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10 0.10	B ES			Dark brown organic slightly gravelly very clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.18	(0.18)	61.24	
0.40 0.40 - 0.70 0.50	ES B HSV	55kPa		Firm light brown sandy CLAY with occasional pockets (up to 210mm in diameter) of clayey sand. (ALLUVIUM)		(0.62)		
0.70 0.70 - 0.80	ES B		▼	Light brown very clayey SAND with occasional pockets (up to 80mm in diameter) of sandy clay. (ALLUVIUM)	0.80	(0.20)	60.62	
1.30 - 1.50	B			Light grey and yellowish brown sandy rounded to sub-angular fine to coarse of limestone, quartz, flint, mudstone sandstone GRAVEL. (ALLUVIUM)	1.00	(0.70)	60.42	
1.80 - 2.20	B			Soft light grey brown sandy CLAY/SILT with occasional sub vertical fine to medium rootlets. (ALLUVIUM)	1.70	(0.80)	59.72	
2.00	HSV	35kPa			2			
2.40 - 2.60	B				2.50		58.92	
				Base of Excavation at 2.50m				
3								
4								
5								

General Remarks:
 1. Trial pit terminated at 2.50m bgl.
 2. Trial pit walls showed high instability from 1.00m to 2.50m - Trial pit collapsed to 1.70m depth from 2.50m.
 3. Constant collapse of pit walls prevented excavation advancing beyond 2.50m depth.

Groundwater: Moderate inflow of groundwater encountered at 0.80m

Method: Trial Pit	Date(s): 06/02/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448652.45, 213278.86	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.37m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.50	HSV	65kPa		Dark brown organic slightly gravelly very clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.23	(0.23)	61.14	
				Firm light brown very sandy CLAY with occasional pockets (up to 160mm in diameter) of clayey sand. (ALLUVIUM)	0.65	(0.42)	60.72	
				Light brown very clayey SAND with occasional pockets (up to 130mm in diameter) of sandy clay. (ALLUVIUM)	0.90	(0.25)	60.47	
				Light grey and yellowish brown sandy rounded to sub-angular fine to coarse of limestone, quartz, flint, mudstone sandstone GRAVEL. (ALLUVIUM)	1.60	(0.70)	59.77	
				Firm (locally soft) light brown sandy CLAY/SILT with occasional pockets of firm blue grey sandy clay. (ALLUVIUM)	2.60	(1.00)	58.77	
2.10	HSV	50kPa						
2.20	HSV	38kPa						
2.40	HSV	65kPa						
				Base of Excavation at 2.60m				
					3			
					4			
					5			

General Remarks:
 1. Trial pit terminated at 2.60m bgl
 2. Trial pit walls showed high instability from 0.90m to 1.60m - Trial pit collapsed to 1.90m depth from 2.60m.
 3. Constant collapse of pit walls prevented excavation advancing beyond 2.60m depth.

Groundwater: Moderate inflow of groundwater encountered at 0.85m.




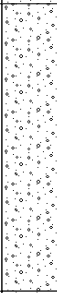


Method: Trial Pit	Date(s): 06/02/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448649.13, 213209.72	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.28m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Dark brown organic slightly gravelly very clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.26	(0.26)	61.02	
0.30 - 0.60	B			Firm light brown very sandy CLAY with occasional pockets (up to 120mm in diameter) of clayey sand. (ALLUVIUM)		(0.44)		
0.50	HSV	50kPa			0.70		60.58	
			▼	Light brown slightly clayey slightly gravelly SAND. Gravel is sub-rounded to sub-angular fine to medium of flint, limestone and quartz. (ALLUVIUM)	0.90	(0.20)	60.38	
1.00 - 1.40	B			Light grey and yellowish brown sandy GRAVEL. Gravel is rounded to sub-angular fine to coarse of limestone, quartz, flint, mudstone sandstone. (ALLUVIUM)	1	(0.60)		
			▼		1.50		59.78	
1.80	HSV	35kPa		Firm (locally soft) light brown sandy CLAY/SILT with frequent pockets of silty sand. (ALLUVIUM)		(1.20)		
2.00 - 2.50	B				2			
2.60	HSV	65kPa			2.70		58.58	
----- Base of Excavation at 2.70m -----								
					3			
					4			
					5			

General Remarks:
 1. Trial pit terminated at 2.70m bgl
 2. Trial pit walls showed high instability from 0.80m to 2.70m - Trial pit collapsed to 2.30m depth from 2.70m.
 3. Constant collapse of pit walls prevented excavation advancing beyond 2.70m depth.

Groundwater: Minor inflow of groundwater encountered at 0.70m depth. Moderate inflow of groundwater encountered at 1.20m

Method: Trial Pit	Date(s): 02/02/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 448681.76, 213223.67	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 61.22m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.12	ES			Dark brown organic slightly gravelly very clayey SAND. Gravel is rounded to sub-angular fine of quartz, flint and limestone. (AGRICULTURALLY DISTURED TOPSOIL)	0.25	(0.25)	60.97	
0.30 - 0.60	B			Firm light brown very sandy CLAY. (ALLUVIUM)				
0.50	HSV	50kPa				(0.60)		
			▼		0.85		60.37	
1.20 - 1.60	B			Light grey and yellowish brown sandy rounded to sub-angular fine to coarse of limestone, quartz, flint, mudstone sandstone GRAVEL. (ALLUVIUM)	1			
1.90 - 2.30	B				1.80		59.42	
2.00	HSV	70kPa		Firm light grey mottled brown slightly silty sandy CLAY with occasional pockets (up to 90mm in diameter) of light brown silt. (ALLUVIUM)	2	(0.60)		
2.40	HSV	65kPa			2.40		58.82	
				Base of Excavation at 2.40m				
					3			
					4			
					5			

General Remarks:
 1. Trial pit terminated at 2.40m depth
 2. Trial pit walls showed high instability from 0.90m to 2.40m - Trial pit collapsed to 1.50m depth from 2.40m.
 3. Constant collapse of pit walls prevented excavation advancing beyond 2.40m depth.

Groundwater: Moderate inflow of groundwater encountered at 0.85m.

Method: Trial Pit	Date(s): 02/02/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 449114.96, 212508.88	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 60.12m OD	Plant: JCB 3-CX	0.60m

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Light brown slightly organic slightly gravelly sandy CLAY. Gravel is sub-rounded to sub-angular flint and quartz. (AGRICULTURALLY DISTURED TOPSOIL)	0.20	(0.20)	59.92	
0.40 - 0.70	B			Soft to firm light brown very sandy CLAY with frequent pockets (up to 170mm in diameter) of clayey sand. (ALLUVIUM)				
0.50	ES							
0.60	HSV	50kPa						
1.00 - 1.40	B		▼	Yellowish brown very sandy rounded to sub-angular fine to coarse of limestone, quartz, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	1	(0.90)	59.32	
			▼		1.70		58.42	
				Base of Excavation at 1.70m				
					2			
					3			
					4			
					5			

General Remarks:

1. Trial Pit terminated at 1.70m bgl.
2. Trial pit walls showed high instability from 1.10m to 1.70m - Trial pit collapsed to 1.40m depth from 1.70m.
3. Constant collapse of pit walls prevented excavation advancing beyond 1.70m depth.

Groundwater: Minor inflow of groundwater encountered at 0.80m depth. Moderate inflow of groundwater encountered at 1.60m

Method: Trial Pit	Date(s): 02/02/2023	Logged By: CC	Checked By: NT
Client: Oxford University Development	Co-ords: 449083.07, 212483.30	Stability: Unstable	Dimensions: 2.00m Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 60.10m OD	Plant: JCB 3-CX	0.60m


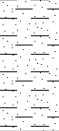
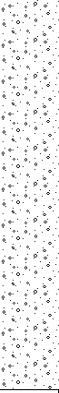
Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	B			Light brown slightly organic slightly gravelly sandy CLAY. Gravel is sub-rounded to sub-angular flint and quartz. (AGRICULTURALLY DISTURED TOPSOIL)	0.22	(0.22)	59.88	
0.30 - 0.50	B			Soft to firm light brown very sandy CLAY with frequent pockets (up to 160mm in diameter) of clayey sand. (ALLUVIUM)				
0.50	HSV	50kPa				(0.68)		
1.00 - 1.40	B		▼	Yellowish brown very sandy rounded to sub-angular fine to coarse of limestone, quartz, flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	1	(0.50)	59.20	
1.20	ES							
				Base of Excavation at 1.40m				
				2				
				3				
				4				
				5				

General Remarks:

1. Trial pit terminated at 1.40m bgl.
2. Trial pit walls showed high instability from 0.50m to 1.40m - Trial pit collapsed to 1.00m depth from 1.40m.
3. Constant collapse of pit walls prevented excavation advancing beyond 1.40m depth.

Groundwater: Moderate inflow of groundwater encountered at 0.90m.

Method: Trial Pit	Date(s): 02/02/2023	Logged By: CC	Checked By: NT	
Client: Oxford University Development	Co-ords: 449119.84, 212452.72	Stability: Unstable	Dimensions: 2.00m	Scale: 1:25
Hydrock Project No: C-19114-C	Ground Level: 60.14m OD	Plant: JCB 3-CX	0.60m	

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Light brown slightly organic slightly gravelly sandy CLAY. Gravel is sub-rounded to sub-angular flint and quartz. (AGRICULTURALLY DISTURED TOPSOIL)	0.25	(0.25)	59.89	
0.35 - 0.50	B			Firm light orange brown very sandy CLAY with frequent pockets (up to 180mm in diameter) of clayey sand. (ALLUVIUM)				
0.50	HSV	55kPa						
0.80 - 1.00	B			Dark grey brown sandy rounded to sub-angular fine to coarse of limestone, quartz, flint, mudstone and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	0.70		59.44	
1.80 - 2.00	B			Base of Excavation at 1.60m	2		58.14	

General Remarks:
 1. Trial pit terminated at 1.60m bgl.
 2. Trial pit walls showed high instability from 1.10m to 2.00m - Trial pit collapsed to 1.70m depth.
 3. Constant collapse of pit walls prevented excavation advancing beyond 2.00m depth.

Groundwater: Moderate inflow of groundwater encountered at 1.40m.

Method: Dynamic (Windowless) Sampler

Date(s): 18/08/2021

Logged By: MA

Drilled By: RP Drilling

Client: Oxford University Development

Co-ords: 448099.70, 213208.89

Checked By: NT

Rig: Terrier

Hydrock Project No: C-19114-C












Ground Level: 67.54m OD

Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Dark brown silty slightly gravelly SAND with high root content. Gravel is sub-angular to sub-rounded fine and medium flint and sandstone. (TOPSOIL - MADE GROUND)	0.15	(0.15)	67.39		
			0.90	ES			Greyish brown silty gravelly SAND. Gravel sized fragments of angular fine to coarse concrete and brick with frequent plastic bottles, glass bottles, plastic wrappers and scrap metal. (LANDFILL - MADE GROUND)					
			1.90	ES								
			2.90	ES								
							Orange brown sandy sub-rounded fine GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS) ... Between 3.00m and 4.00m bgl: Minimal recovery.	3.00		64.54		
									(2.85)			
									(1.00)			
										63.54		
							End of Borehole at 4.00m	4.00				

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Gas and groundwater monitoring well installed to 3.00m bgl with response zone between 1.00m and 3.00m. 3) Landfill deposits have a putrid odour throughout.

Method: Dynamic (Windowless) Sampler	Date(s): 18/08/2021	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448235.09, 213228.84	Checked By: NT	Rig: Terrier
Hydrock Project No: C-19114-C	Ground Level: 65.62m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Dark brown and black gravelly SAND. Gravel is angular to sub-rounded fine to coarse flint and sandstone with rare gravel sized fragments of angular fine to coarse brick and frequent glass. (TOPSOIL - MADE GROUND)	0.50	(0.50)	65.12		
			0.80	ES			... At 0.50m bgl: Whole brick. Firm yellowish brown very sandy CLAY with rare gravels of sub-angular to sub-rounded fine and medium flint. (RIVER TERRACE DEPOSITS) ... At 0.50m bgl: Whole brick.					
			1.50	ES								
			2.50	ES								
			3.50	ES					(4.50)			
								5.00		60.62		
							End of Borehole at 5.00m					

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Gas and groundwater monitoring well installed to 4.00m bgl with response zone between 1.00m and 4.00m. 3) Landfill deposits have a putrid odour throughout.

Method: Dynamic (Windowless) Sampler	Date(s): 18/08/2021	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448185.37, 213187.06	Checked By: NT	Rig: Terrier
Hydrock Project No: C-19114-C	Ground Level: 67.71m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Brown silty gravelly SAND. Gravel is angular to sub-rounded fine to coarse concrete flint and sandstone with fabric rags. (TOPSOIL - MADE GROUND)	0.25	(0.25)	67.46		
			0.40	ES			Firm yellowish greyish brown slightly sandy CLAY with rare gravels if sub-angular fine coal. (MADE GROUND - GENERAL)	0.50	(0.25)	67.21		
			1.00	ES			Reddish brown and black gravelly SAND. Gravel sized fragments of angular fine to coarse brick concrete and slag with frequent glass, metal and timber. (LANDFILL - MADE GROUND)	1.00	(1.80)			
			2.50	ES			Dark reddish brown slightly gravelly clayey SAND. Gravel is angular to sub-rounded fine to coarse sandstone and flint with rare gravel sized fragments of angular fine to coarse brick. (LANDFILL - MADE GROUND)	2.30	(1.10)	65.41		
							Yellowish brown sandy angular to sub-rounded fine to coarse GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS)	3.40	(0.30)	64.31		
							End of Borehole at 3.70m	3.70		64.01		

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Drilling refusal at 3.70m bgl and borehole collapsed in to 2.70m bgl. 4) Gas and groundwater monitoring well installed to 2.70m bgl with response zone between 0.70m and 2.70m. 5) Landfill deposits have a putrid odour throughout.

Method: Dynamic (Windowless) Sampler	Date(s): 18/08/2021	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448229.25, 213152.21	Checked By: NT	Rig: Terrier
Hydrock Project No: C-19114-C	Ground Level: 66.74m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Orangish brown silty gravelly SAND. Gravel is angular to sub-rounded fine to coarse concrete brick flint and sandstone with fabric rags and pottery. (TOPSOIL - MADE GROUND)	0.30	(0.30)	66.44		
			0.80	ES			Brown gravelly SAND with occasional cobbles of concrete. Gravel sized fragments of angular fine to coarse brick and concrete. With frequent scrap metal, plastic and wire. (LANDFILL - MADE GROUND)		(1.20)			
			1.80	ES			Black and grey clayey gravelly SAND. Gravel sized fragments of angular fine to coarse slag and brick. (LANDFILL - MADE GROUND)	1.50		65.24		
			2.50	ES			... Between 2.30m and 2.80m bgl: Very clayey.		(1.70)			
			3.50	ES			Yellowish brown sandy angular to sub-rounded fine to coarse GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS)	3.20		63.54		
							End of Borehole at 4.00m	4.00		62.74		

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Gas and groundwater monitoring well installed to 3.00m bgl with response zone between 1.00m and 3.00m. 3) Landfill deposits have a putrid odour throughout.

Method: Dynamic (Windowless) Sampler	Date(s): 18/08/2021	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448136.62, 213099.02	Checked By: NT	Rig: Terrier
Hydrock Project No: C-19114-C	Ground Level: 67.39m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Brown silty gravelly SAND with frequent cobbles of concrete. Gravel sized fragments of angular fine to coarse brick concrete and slag. With frequent pottery, plastic and metal wire. (TOPSOIL - MADE GROUND)	(0.80)		66.59		
			0.90	ES			Soft orange brown gravelly slightly sandy CLAY. Gravel is angular to sub-rounded fine to coarse flint and sandstone with frequent glass and scrap metal. (LANDFILL - MADE GROUND)	0.80				
			1.80	ES				(2.00)				
			2.80	ES			Very soft black sandy CLAY. Sand is of ash. With abundant glass and strong putrid odour. (LANDFILL - MADE GROUND) ... Between 2.80m and 3.00m bgl: Sample wet, assumed from broken glass bottle.	2.80		64.59		
			3.80	ES			Soft brownish grey sandy slightly gravelly CLAY with rare wood. Gravel is sub-rounded to rounded fine to coarse flint and sandstone. (RIVER TERRACE DEPOSITS)	3.60		63.79		
								4.00		63.39		
								End of Borehole at 4.00m				

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Gas and groundwater monitoring well installed to 3.00m bgl with response zone between 1.00m and 3.00m. 3) Landfill deposits have a putrid odour throughout.

Method: Dynamic (Windowless) Sampler	Date(s): 19/08/2021	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448109.90, 213074.00	Checked By: NT	Rig: Terrier
Hydrock Project No: C-19114-C	Ground Level: 66.97m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Greyish brown silty gravelly SAND. Gravel is sub-angular to sub-rounded fine to coarse flint and chalk with gravel sized fragments of angular fine to coarse concrete and brick. With frequent plastic, glass and pottery. (TOPSOIL - MADE GROUND)	0.30	(0.30)	66.67		
			0.50	ES			Orange brown clayey gravelly SAND. Gravel sized fragments of angular fine to coarse brick concrete and slag with frequent glass, scrap metal, wire and plastic wrapping. (LANDFILL - MADE GROUND)		(1.10)			
			1.80	ES			MADE GROUND consisting of black plastic wrapping, timber and glass with strong putrid odour. (LANDFILL - MADE GROUND)		(0.70)	65.57		
			2.50	ES			Yellowish brown slightly clayey sandy angular to rounded fine to coarse GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS)	2.10	(0.90)	64.87		
----- End of Borehole at 3.00m -----								3.00		63.97		

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Gas and groundwater monitoring well installed to 2.00m bgl with response zone between 1.00m and 2.00m. 3) Landfill deposits have a putrid odour throughout.

Method: Dynamic (Windowless) Sampler	Date(s): 19/08/2021	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448200.37, 213063.05	Checked By: NT	Rig: Terrier
Hydrock Project No: C-19114-C	Ground Level: 67.14m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.30	ES			Dark brown gravelly SAND with high root content. (TOPSOIL - MADE GROUND) Brown silty gravelly SAND with occasional cobbles of concrete. Gravel sized fragments angular fine to coarse of brick and concrete. With frequent fabric, plastic wrapping, metal wire and glass bottles. (LANDFILL - MADE GROUND)	0.05	(0.05)	67.09		
			0.90	ES			Dark reddish brown and black sandy GRAVEL. Gravel sized fragments of angular fine to coarse slag brick and concrete. (LANDFILL - MADE GROUND) Firm orange brown sandy slightly gravelly CLAY. Gravel sized fragments of angular fine to coarse concrete and brick with frequent glass. (LANDFILL - MADE GROUND)	0.80	(0.20)	66.34		
			1.50	ES				1.00		66.14		
			2.30	ES			Soft grey mottled black slightly sandy gravelly CLAY. Gravel sized fragments of angular fine to coarse brick concrete and slag. With frequent timber, glass and plastic. (LANDFILL - MADE GROUND)	1.80	(0.80)	65.34		
								2.00	(0.70)			
								2.50		64.64		
End of Borehole at 2.50m												

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Drilling refusal at 2.50m bgl. 4) Gas and groundwater monitoring well installed to 2.50m bgl with response zone between 0.50m and 2.50m. 5) Landfill deposits have a putrid odour throughout.

Method: Dynamic (Windowless) Sampler	Date(s): 19/08/2021	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448264.91, 213073.48	Checked By: NT	Rig: Terrier
Hydrock Project No: C-19114-C	Ground Level: 67.02m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.50	ES		Dark brown silty SAND with high root content. (TOPSOIL - MADE GROUND)	0.05	(0.05)	66.97			
			1.40	ES		Brown silty gravelly SAND with occasional cobbles of concrete. Gravel is angular to sub-rounded flint and sandstone with gravel sized fragments of angular fine to coarse concrete and brick. With frequent glass bottles, plastic and pottery. (LANDFILL - MADE GROUND)	1.10	(1.05)	65.92			
			2.40	ES		Firm brown slightly sandy gravelly CLAY with frequent cobbles of concrete. Gravel sized fragments of angular fine to coarse concrete and brick. (LANDFILL - MADE GROUND)	1.60	(0.50)	65.42			
			3.40	ES		Orange brown and black gravelly SAND. Sand is of ash. Gravel sized fragments of angular fine to coarse brick and concrete. With frequent glass, plastic wrapping and timber. (LANDFILL - MADE GROUND)	2.80	(1.20)	64.22			
			3.90	ES		Soft brown mottled grey and black sandy slightly gravelly CLAY. Gravel sized fragments of angular fine to coarse brick. (LANDFILL - MADE GROUND)	3.80	(1.00)	63.22			
			3.90	ES		Greyish brown slightly clayey sub-rounded to rounded fine to coarse SAND & GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS)	3.80	(0.20)	63.02			
							End of Borehole at 4.00m					

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Borehole collapsed to 3.80m. 4) Gas and groundwater monitoring well installed to 3.80m bgl with response zone between 0.80m and 3.80m. 5) Landfill deposits have a putrid odour throughout.

Method: Dynamic (Windowless) Sampler	Date(s): 19/08/2021	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448237.33, 213010.30	Checked By: NT	Rig: Terrier
Hydrock Project No: C-19114-C	Ground Level: 66.71m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.50	ES			Dark brown gravelly SAND with high root content. (TOPSOIL - MADE GROUND) Brown silty gravelly SAND with occasional cobbles of concrete. Gravel is angular to sub-rounded flint and sandstone with gravel sized fragments of angular fine to coarse concrete and brick. With frequent glass bottles, plastic, animal bone, plastic bottles and pottery. (LANDFILL - MADE GROUND)	0.05	(0.05)	66.66		
			1.50	ES			Soft brown gravelly slightly sandy CLAY. Gravel sized fragments of concrete and brick with rare plastic. (LANDFILL - MADE GROUND)	1.40	(0.80)	65.31		
			2.50	ES			Soft orange brown sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse sandstone and flint with rare gravel sized fragments of angular fine to coarse slag. (LANDFILL - MADE GROUND)	2.20	(1.00)	64.51		
			3.00	ES			... Between 2.90m and 3.10m bgl: Stained black with strong putrid odour.	3.20		63.51		
			3.80	ES			Yellowish brown gravelly SAND. Gravel is sub-angular to rounded fine to coarse flint and sandstone with frequent bands of firm yellowish brown clay. (RIVER TERRACE DEPOSITS)	4.00	(0.80)	62.71		
End of Borehole at 4.00m												

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Gas and groundwater monitoring well installed to 3.00m bgl with response zone between 1.00m and 3.00m. 3) Landfill deposits have a putrid odour throughout.

Method: Dynamic (Windowless) Sampler	Date(s): 18/08/2021	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448249.42, 213165.97	Checked By: NT	Rig: Terrier
Hydrock Project No: C-19114-C	Ground Level: 66.71m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Orangish brown silty gravelly SAND. Gravel is angular to sub-rounded fine to coarse concrete flint and sandstone with fabric rags. (TOPSOIL - MADE GROUND)	0.30	(0.30)	66.41		
			0.60	ES			Dark brown gravelly clayey SAND. Gravel sized fragments of angular fine to coarse brick and concrete with frequent rubber plastic bottles and glass. (LANDFILL - MADE GROUND)		(1.20)			
			1.60	ES			Dark brown and black clayey gravelly SAND. Gravel sized fragments of angular fine to coarse concrete brick and slag with ash, glass and paper. (LANDFILL - MADE GROUND)	1.50		65.21		
							... Between 2.00m and 2.50m bgl: Void.		(1.30)			
			3.00	ES			Orangish brown gravelly SAND. Gravel sized fragments of angular fine to coarse brick with ash. (LANDFILL - MADE GROUND)	2.80	(0.40)	63.91		
			3.50	ES			Yellowish brown sandy sub-angular to sub-rounded fine to coarse GRAVEL of flint and sandstone. (RIVER TERRACE DEPOSITS)	3.20	(0.80)	63.51		
							End of Borehole at 4.00m	4.00		62.71		

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Gas and groundwater monitoring well installed to 3.00m bgl with response zone between 1.00m and 3.00m. 3) Landfill deposits have a putrid odour throughout.



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Method: Dynamic (Windowless) Sampler	Date(s): 30/08/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447118.69, 213722.34	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 67.36m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	110mm	100%	0.20	ES	N=8 (1,1,1,2,2,3)		Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.06		
			0.50	D			Stiff greyish brown slighty sandy CLAY with rare tree roots (5 cm diameter). (ALLUVIUM)	0.80	(0.50)	66.56		
			1.10	D			Orangish brown sandy angular to sub-rounded fine to coarse sandstone and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	1.00	(0.20)	66.36		
			1.20	SPT			Stiff grey slighty sandy CLAY with abundant sand to fine gravel sized selenite crystals. (KELLAWAYS CLAY MEMBER)					
			1.70	D							(1.30)	
			2.00	SPT	50/135mm (1,3,4,46)		... From 1.90m to 2.00m bgl: Mottled yellowish brown.	2				
							End of Borehole at 2.30m	2.30		65.06		
<p>General Remarks:</p> <p>1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole terminated on SPT refusal at 2.30m bgl. 4) Gas and groundwater monitoring well installed to 2.00m, response zone between 1.00m and 2.00m bgl.</p>												

Method: Dynamic (Windowless) Sampler	Date(s): 30/08/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447270.02, 213757.88	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 65.92m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	110mm	90%	0.20	ES	N=0 (0,0,0,0,0,0)		Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	65.62		
			0.50	ES			Firm orangish brown slightly gravelly sandy CLAY. Gravel is sub-angular to rounded fine to coarse of sandstone and flint. (MADE GROUND)					
			0.60	D								
			1.20	SPT			... From 1.00m to 1.20m bgl: Becomes soft with occasional fragments of brick.	1.20		64.72		
			1.20 - 2.00	B	50/295mm (3,4,8,12,14,16)		Very loose yellowish brown slightly clayey gravelly SAND. Gravel is angular to sub-rounded fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)					
			2.00	SPT			... From 2.00m bgl: Very dense.	2.40	(1.20)	63.52		
							End of Borehole at 2.40m					

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered at 2.00m, rising to 1.80m over 20 minutes. 3) Borehole terminated on SPT refusal at 2.40m bgl. 4) Gas and groundwater monitoring well installed to 2.00m, response zone between 1.00m and 2.00m bgl.



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Method: Dynamic (Windowless) Sampler	Date(s): 23/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447704.80, 214072.83	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 68.32m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Brown slightly gravelly slightly silty SAND. Gravel is angular to rounded, fine to medium of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	67.92		
			0.60	ES			Orange brown slightly gravelly slightly clayey SAND. Gravel is angular to rounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	1.00	(0.60)	67.32		
			1.10 1.20	D SPT	N=35 (6,8,8,9,9,9)		Dense orange brown gravelly SAND. Gravel is fine to medium, angular to rounded flint and quartz. (RIVER TERRACE DEPOSITS)	1.80	(0.80)	66.52		
			1.90 2.00	D SPT	N=50 (12,12,12,13,14,11)		Very dense brown SAND & GRAVEL. Gravel is angular to rounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	2.00	(0.20)	66.32		
<p style="text-align: center;">End of Borehole at 2.00m</p>												

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 2.0m bgl on SPT. 3) No groundwater encountered. 4) Gas and groundwater monitoring pipe installed to 2.00m bgl. Response zone between 1.00m bgl to 2.00m bgl.



Project: Begbroke

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Method: Dynamic (Windowless) Sampler	Date(s): 23/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448083.21, 214100.07	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 64.19m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Brown slightly gravelly slightly silty SAND. Gravel is angular to rounded, fine to medium of flint, quartz and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	63.79		
			0.60	ES			Orange brown slightly gravelly slightly silty slightly clayey SAND. Gravel is angular, fine to medium of flint, quartz and limestone. (RIVER TERRACE DEPOSITS)	0.80	(0.40)	63.39		
			1.00	SPT	50/125mm (20,5,29,21)		Very dense brown to light grey slightly silty angular to subangular, fine to coarse limestone GRAVEL. (CORNBRAsh LIMESTONE FORMATION)	1	(0.45)			
			1.00	D				1.25		62.94		
							End of Borehole at 1.25m					
2												
3												
4												
5												
6												

General Remarks:
 1) Hand dug pit to 0.90m bgl. 2) Refusal at 1.25m bgl on SPT. 3) Groundwater encountered at 1.30m bgl at base of SPT. 4) Gas and groundwater monitoring pipe installed to 1.00m bgl. Response zone between 0.70m bgl to 1.00m bgl.



Method: Dynamic (Windowless) Sampler	Date(s): 22/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447718.35, 213852.98	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 64.23m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Dark brown slightly clayey slightly gravelly SILT. Gravel is angular to rounded, fine to medium of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	63.93		
			0.60	ES			Firm light brown and orange brown CLAY. (ALLUVIUM)	0.80	(0.50)	63.43		
			1.00	D			Soft grey and brown CLAY. (ALLUVIUM)	1.20	(0.40)	63.03		
			1.20	SPT	N=13 (1,2,2,2,5,4)		Firm orange brown sandy slightly gravelly CLAY. Gravel is angular to rounded, fine to medium, of flint and quartz. (RIVER TERRACE DEPOSITS)	1.60	(0.40)	62.63		
			1.40	D								
			1.70 - 2.00	B			Medium dense light brown and orange brown slightly clayey SAND & GRAVEL. Gravel is angular to rounded fine to coarse, of flint and quartz. (RIVER TERRACE DEPOSITS)	2.40	(0.80)	61.83		
			2.00	SPT	N=14 (4,2,3,2,4,5)							
			2.60	D			Very dense light brown sandy clayey GRAVEL. Gravel is angular to rounded, fine to coarse of flint and quartz. (RIVER TERRACE DEPOSITS)	3.00	(0.60)	61.23		
			3.00	SPT	50/155mm (6,8,12,33,5)							
End of Borehole at 3.00m												

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 3.00m bgl on SPT. 3) Groundwater encountered at 1.70m bgl. 3) Gas and groundwater monitoring pipe installed to 3.00m bgl. Response zone between 1.00m bgl and 3.00m bgl. 4)

Method: Dynamic (Windowless) Sampler	Date(s): 24/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447923.93, 213875.85	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 64.72m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Brown slightly silty slightly gravelly SAND with occasional roots >2mm. Gravel is angular to rounded, fine to medium, flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	64.42		
			0.50	ES			Brown and orangish brown slightly silty slightly gravelly SAND. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)		(1.00)			
			1.20	SPT	N=9 (4,2,3,2,2,2)			1.30		63.42		
			1.40	D			Loose brown and orangish brown slightly gravelly clayey SAND. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)		(0.50)			
			1.90	D			Soft grey and orangish brown CLAY with fine gravel sized pockets of sand, with occasional roots >2mm. (KELLAWAYS CLAY MEMBER)	1.80		62.92		
			2.00	SPT	N=12 (3,3,2,3,3,4)			2.00	(0.60)			
			2.50	D			Light brown and cream slightly clayey slightly sandy GRAVEL. Gravel is angular fine to coarse of limestone. (CORNBRAsh LIMESTONE FORMATION)	2.40		62.32		
			3.00	SPT	N=27 (8,5,5,9,6,7)			3.00				
			3.00 - 3.20	D								
			3.20 - 4.00	B								
			4.00	SPT	N=10 (8,4,3,3,2,2)			4.00				
			4.40	D								
			4.50	SPT	50/40mm (25,50)			4.50		60.22		
							End of Borehole at 4.50m					

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 4.50m bgl on SPT. 3) Groundwater encountered at 3.00m bgl. 3) Gas and groundwater monitoring pipe installed to 4.20m bgl. Response zone between 1.00m bgl and 4.20m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 25/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448146.87, 213965.07	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 62.87m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00		100%	0.10	ES	N=16 (3,4,4,4,3,5)	▼	Stiff dark brown slightly sandy slightly gravelly CLAY with occasional roots <2mm. Gravel is angular to rounded fine to medium of flint, limestone and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	62.57		
			0.60	ES			Firm brown slightly sandy slightly gravelly CLAY. Gravel is angular fine to medium of flint. (ALLUVIUM)	0.70	(0.40)	62.17		
			0.90	D			Soft orangish brown and grey slightly gravelly sandy CLAY with occasional roots <2mm. Gravel is angular fine of flint. (ALLUVIUM)	1.00	(0.30)	61.87		
			1.20	SPT			Medium dense grey slightly clayey slightly gravelly SAND. Gravel is angular fine to medium of flint. (RIVER TERRACE DEPOSITS)	1.70	(0.70)	61.17		
2.00 - 3.00		80%	1.20	D	N=37 (8,8,8,9,10,10)		Dense brown SAND & GRAVEL. Gravel is angular to rounded, fine to coarse of flint and quartz. (RIVER TERRACE DEPOSITS)	2.00	(1.00)			
			1.80	D				2.70	(0.30)	60.17		
			2.00	SPT			Dense orangish brown slightly clayey SAND & GRAVEL. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	3.00	(0.30)	59.87		
			3.00	SPT	N=43 (18,7,13,12,11,7)		End of Borehole at 3.00m					

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 3.00m bgl on SPT and collapse to 2.20m bgl. 3) Groundwater encountered at 1.20m bgl. 3) Gas and groundwater monitoring pipe installed to 2.00m bgl. Response zone between 1.00m bgl and 2.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 25/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448287.18, 214030.07	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 62.33m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00		100%	0.10	ES	N=34 (7,6,8,9,8,9)	▼	Stiff dark brown slightly sandy slightly gravelly CLAY with occasional roots <2mm. Gravel is angular to rounded fine to medium of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	61.93		
			0.50	ES			Firm dark brown slightly sandy CLAY with occasional roots <2mm. (ALLUVIUM)	0.60	(0.20)	61.73		
2.00 - 3.00		25%	0.70	D	N=14 (5,4,4,3,2,5)		Dense orangish brown slightly clayey SAND & GRAVEL. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	1.60		60.73		
			1.00	SPT				1	(1.00)			
3.00 - 4.00		70%	1.70	D	N=35 (6,8,7,9,9,10)		Medium dense to dense brown SAND & GRAVEL. Gravel is angular to rounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	2.00				
			2.00	SPT				2				
			2.70	D					(2.40)			
			3.00	SPT				3				
			3.70	D	N=30 (4,7,7,6,8,9)							
			4.00	SPT				4	4.00	58.33		
<p>End of Borehole at 4.00m</p>												

General Remarks:
 1) Hand dug pit to 1.00m bgl due to groundwater. 2) Refusal at 4.00m bgl on SPT. 3) Groundwater encountered at 0.90m bgl. 4) Gas and groundwater monitoring pipe installed to 2.20m bgl. Response zone between 0.80m bgl and 2.20m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 22/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447958.88, 213827.24	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 64.34m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.30	ES			Dark brown slightly gravelly slightly silty slightly clayey SAND. Gravel is angular to rounded, fine to medium of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	63.94		
			0.70	ES			Brown and orange brown slightly gravelly slightly clayey SAND. Gravel is angular to rounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	0.90	(0.50)	63.44		
			1.00	D			Light brown and orange brown slightly gravelly slightly clayey SAND. (RIVER TERRACE DEPOSITS)	1.20	(0.30)	63.14		
			1.20	SPT	N=6 (4,3,2,1,1,2)		Loose brown SAND & GRAVEL. Gravel is angular to rounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	1.50	(0.30)	62.84		
			1.30	D								
			1.70	D			Soft brown slightly gravelly sandy CLAY. Gravel is angular, fine to medium of flint. (RIVER TERRACE DEPOSITS)	2.00	(0.50)	62.34		
			2.00	SPT	N=15 (3,2,4,4,4,3)		Medium dense light creamish brown slightly sandy slightly clayey GRAVEL. Gravel is angular to subangular, fine to coarse, limestone. (RIVER TERRACE DEPOSITS)	3.00	(2.00)			
			2.00 - 3.00	B								
			3.00	SPT	N=18 (10,8,5,3,1,9)							
			3.00 - 4.00	B								
			4.00	SPT	N=21 (2,3,3,3,7,8)					60.34		
							End of Borehole at 4.00m	4.00				

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Groundwater encountered at 2.00m bgl. 3) Refusal at 4.00m bgl during drilling. 4) Gas and groundwater monitoring pipe installed to 3.00m bgl. Response zone between 1.00m bgl and 3.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 25/04/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448274.07, 213879.39	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 62.37m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Stiff dark brown slightly sandy slightly gravelly CLAY with occasional roots <2mm. Gravel is angular to rounded fine to medium of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	62.07		
			0.40	ES			Stiff brown, grey and orangish brown CLAY with occasional roots <2mm. (ALLUVIUM)	0.60	(0.30)	61.77		
			0.80	D			Dark grey slightly silty slightly gravelly clayey SAND. Gravel is angular fine to coarse of sandstone. (ALLUVIUM)	1.00	(0.40)	61.37		
1.20 - 2.00		100%	1.20	SPT	N=9 (2,2,3,3,2,1)	▼	Loose orangish brown slightly clayey gravelly SAND. Gravel is angular to rounded fine to medium of flint and quartz. (ALLUVIUM)	1.60	(0.60)	60.77		
			1.20	D								
2.00 - 3.00		30%	1.70	D			Soft brown and orangish brown slightly gravelly sandy CLAY. Gravel is angular to rounded fine to medium of flint and quartz. (ALLUVIUM)	2.00	(1.00)	59.77		
			2.00	SPT	N=17 (6,6,4,6,4,3)							
			2.70	D			Very dense light brown slightly clayey slightly sandy GRAVEL. Gravel is angular fine to coarse of limestone. (RIVER TERRACE DEPOSITS)	2.60	(0.40)	59.37		
			3.00	SPT	50/265mm (5,5,4,10,26,10)		End of Borehole at 3.00m	3.00		59.37		

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Groundwater encountered at 1.30m bgl. 3) Refusal at 3.00m bgl during drilling. 4) Gas and groundwater monitoring pipe installed to 2.50m bgl. Response zone between 1.50m bgl and 2.50m bgl.

Method: Dynamic (Windowless) Sampler

Date(s): 31/08/2022

Logged By: AA

Drilled By: RP Drilling

Client: Oxford University Development

Co-ords: 447209.60, 213419.40

Checked By: CV

Rig: Dart Terrier

Hydrock Project No: C-19114-C

Ground Level: 68.29m OD

Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Stiff (dry) slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is subangular to subrounded, fine to coarse, flint and quartz.	0.20	(0.20)	68.09		
			0.30	D			(AGRICULTURALLY DISTURBED TOPSOIL) Stiff (dry) slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular to subrounded, fine to coarse, flint and limestone.	0.50	(0.30)	67.79		
			1.00	SPT	N=20 (7,6,5,6,4,5)		(HEAD DEPOSITS) Stiff yellow brown slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded, fine to coarse of flint and quartz.	1.00	(0.50)	67.29		
			1.80	D			Stiff orange brown sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to medium of flint and quartz.	1.50	(0.50)	66.79		
			2.00	SPT	N=14 (4,4,4,4,3,3)		(HEAD DEPOSITS) Medium dense brown clayey slightly gravelly SAND. Gravel is angular to subrounded fine to medium of flint and quartz.	2.00	(1.30)			
			2.90	D			(RIVER TERRACE DEPOSITS) Very loose yellow brown, grey and orange clayey SAND with occasional angular, fine to medium flint gravel.	2.80		65.49		
			3.00	SPT	N=3 (1,0,1,0,1,1)		... At 3.00m bgl: Gravelly.	3.00	(0.70)			
			4.00	SPT	50/105mm (13,12,32,18)		Soft grey and orange sandy CLAY with rare angular fine to medium flint gravel.	3.50	(0.75)	64.79		
							(RIVER TERRACE DEPOSITS)	4.25		64.04		
End of Borehole at 4.25m												

General Remarks:

1) Hand dug pit to 1.20m bgl. 2) Refusal at 4.25m bgl on SPT. 3) Groundwater encountered at 2.80m bgl. 3) Gas and groundwater monitoring pipe installed to 3.50m bgl. Response zone between 2.80m bgl and 3.50m bgl.



Project: Begbroke

Borehole No

WS212

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Method: Dynamic (Windowless) Sampler	Date(s): 30/08/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447453.10, 213622.69	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 67.98m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20 0.30 - 1.20	ES B			Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.68		
			1.20	SPT	50/275mm (6,9,12,14,14,10)		Very dense brown sandy sub-angular to rounded fine to coarse flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	1.20	(0.90)	66.78		
							End of Borehole at 1.20m					

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole terminated on SPT refusal at 1.20m bgl. 4) Borehole backfilled with arisings on completion.

Method: Dynamic (Windowless) Sampler	Date(s): 22/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447703.48, 213607.39	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 68.30m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Brown slightly gravelly slightly silty SAND. Gravel is angular to rounded, fine to medium of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	68.00		
			0.50	ES			Brown slightly sandy slightly gravelly SILT. Gravel is angular to rounded fine to coarse, of flint and quartz. (RIVER TERRACE DEPOSITS)	0.70	(0.40)	67.60		
			0.80	D			Dense brown gravelly SAND. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	1.00	(0.70)			
			1.20	SPT	N=37 (8,9,9,10,9,9)			1.40		66.90		
			1.60	D			Dense dark brown and brown slightly gravelly SAND. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	2.00	(0.60)			
			2.00	SPT	N=43 (9,11,10,11,11,11)			2.20		66.30		
			2.20	D			Dense light brown slightly gravelly SAND. Gravel is subrounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	3.00	(1.00)			
			3.00	SPT	N=48 (18,7,14,12,11,11)			3.20		65.30		
			3.20	D			Dense becoming very Dense brown SAND & GRAVEL. Gravel is angular to rounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	3.70	(0.70)			
			3.70	SPT	50/145mm (25,28,22)			3.70		64.60		
			3.70	D			End of Borehole at 3.70m					

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 3.70m bgl on SPT. 3) No groundwater encountered. 3) Gas and groundwater monitoring pipe installed to 3.70m bgl. Response zone between 1.00m bgl and 3.70m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 23/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447992.19, 213674.37	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 68.15m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Brown slightly gravelly slightly silty SAND. Gravel is angular to rounded, fine to coarse of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	67.75		
			0.50	ES			Brown to orange brown slightly gravelly slightly clayey SAND. Gravel is angular to rounded, fine to medium, of flint and quartz. (RIVER TERRACE DEPOSITS)	0.80	(0.40)	67.35		
			0.90	D			Very dense brown gravelly slightly clayey SAND. Gravel is fine to medium, angular to rounded, flint, quartz and limestone. (RIVER TERRACE DEPOSITS)	1.20	(0.40)	66.95		
			1.20	SPT	50/225mm (13,12,15,17,18)	▼	End of Borehole at 1.20m					

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 1.20m bgl on SPT. 3) Groundwater encountered at 1.30m bgl at base of SPT. 4) Gas and groundwater monitoring pipe installed to 1.20m bgl. Response zone between 0.90m bgl to 1.20m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 25/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448414.23, 213764.25	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 62.11m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00		100%	0.20	ES	N=16 (3,3,4,3,4,5)		Stiff dark brown slightly gravelly sandy CLAY. Gravel is angular to rounded fine to coarse of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	61.71		
			0.50	ES			Firm brown, grey and orangish brown silty CLAY. (ALLUVIUM)	0.80	(0.40)	61.31		
0.90	D		Soft orangish brown and light grey slightly sandy silty CLAY. (ALLUVIUM)	1.00		(0.20)	61.11					
1.10	D		Medium dense brown and orangish brown slightly clayey SAND & GRAVEL. Gravel is angular to sub angular of flint, quartz and limestone. (RIVER TERRACE DEPOSITS)	1.50		(0.50)	60.61					
1.20	SPT											
1.60	D											
2.00 - 3.00	60%		2.00	SPT		N=12 (3,2,1,2,4,5)	▼	Medium dense light brown slightly gravelly SAND. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	2.50	(1.00)	59.61	
2.60			D		Very dense brown SAND & GRAVEL. Gravel is angular to rounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)		3.00	(0.50)	59.11			
3.00			SPT		50/230mm (1,2,6,10,25,9)							
							----- End of Borehole at 3.00m -----					

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 3.00m bgl on SPT. 3) Groundwater encountered at 1.20m bgl. 4) Gas and groundwater monitoring pipe installed to 2.70m bgl. Response zone between 1.00m bgl to 2.70m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 30/08/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447404.73, 213399.87	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 67.87m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.57		
			0.50	ES			Loose brown slightly clayey gravelly SAND. Gravel is angular to sub-rounded fine to coarse of flint and sandstone. (RIVER TERRACE DEPOSITS)		(1.20)			
1.20 - 2.00	110mm	90%	1.20	SPT	N=9 (1,1,1,2,3,3)							
			1.50 - 4.00	B								
2.00 - 3.00	110mm	100%	2.00	SPT	N=26 (7,7,6,6,7,7)		Medium dense yellowish brown sandy sub-angular to rounded fine to coarse flint sandstone and limestone GRAVEL. (RIVER TERRACE DEPOSITS)			66.37		
3.00 - 4.00	110mm	100%	3.00	SPT	N=27 (4,4,5,5,7,10)							
			4.00	SPT	N=31 (4,4,6,9,8,8)	▼						
			4.00 - 5.00	B								
			5.00	SPT	N=27 (3,4,5,5,6,11)							
									(3.95)			
End of Borehole at 5.45m								5.45		62.42		

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered at 4.00m, no rise. 3) Borehole completed at 5.45m bgl. 4) Gas and groundwater monitoring well installed to 4.00m, response zone between 1.00m and 4.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 23/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447607.76, 213415.35	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 68.52m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Brown slightly gravelly slightly silty SAND with occasional roots <3mm. Gravel is angular to rounded fine to medium of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	68.22		
			0.70	ES			Orange brown slightly silty slightly gravelly SAND. Gravel is angular to rounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	0.80	(0.50)	67.72		
			1.00	D			Dense orange brown slightly gravelly clayey SAND. Gravel is angular to rounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	1				
			1.20	SPT	N=30 (7,5,4,7,9,10)			1.50	(0.70)	67.02		
			1.70	D			Dense light brown SAND & GRAVEL. Gravel is angular to subrounded, fine to coarse of liemstone, flint and quartz. (RIVER TERRACE DEPOSITS)	2				
			2.00	SPT	N=34 (8,6,5,7,10,12)			2.60	(1.10)	65.92		
			2.70	D			Very dense brown and light brown slightly gravelly SAND. Gravel is fine to medium, agular to rounded flint and limestone. (RIVER TERRACE DEPOSITS)	3	(0.40)	65.52		
			3.00	SPT	50/135mm (20,5,22,28)		End of Borehole at 3.00m					

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 3.00m bgl on SPT. 3) No groundwater encountered. 3) Collapse of hole from 3.00m bgl to 2.00m bgl. 5) Gas and groundwater monitoring pipe installed to 2.00m bgl. Response zone between 1.20m bgl and 2.00m bgl.



Method: Dynamic (Windowless) Sampler	Date(s): 24/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448043.72, 213589.50	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 68.42m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Brown slightly silty slightly gravelly SAND. Gravel is angular to rounded, fine to medium, flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	68.12		
			0.60	ES			Brown and orangish brown slightly silty slightly gravelly SAND. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	0.90	(0.60)	67.52		
			1.00	D			Dense rown slightly clayey slightly gravelly SAND. Gravel is fine to medium of flint, limestone and quartz. (RIVER TERRACE DEPOSITS)	1.50	(0.60)	66.92		
			1.20	SPT	N=43 (8,10,10,10,11,12)							
			1.60	D			Brown sandy GRAVEL. Gravel is angular fine to coarse of limestone and flint. (RIVER TERRACE DEPOSITS)	1.90	(0.40)	66.52		
			2.00	SPT	N=50 (13,11,13,14,19,4)		Very dense light brown slightly gravelly SAND. Gravel is angular to subrounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	2.00	(0.10)	66.42		
			2.00	D			End of Borehole at 2.00m					

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 2.00m bgl on SPT. 3) No groundwater encountered 4) Gas and groundwater monitoring pipe installed to 1.80m bgl. Response zone between 1.00m bgl and 1.80m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 24/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448376.88, 213618.45	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 65.68m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Brown slightly silty slightly gravelly SAND. Gravel is angular to rounded, fine to medium, flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	65.28		
			0.70	ES			Brown and orangish brown slightly silty slightly gravelly SAND. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	1.00	(0.60)	64.68		
			1.10 1.20	D SPT	N=23 (6,6,6,6,6,5)		Medium dense brown clayey SAND. (KELLAWAYS SAND MEMBER)	1.50	(0.50)	64.18		
			1.60	D			Stiff light brown, greyish brown and orangish brown sandy CLAY with occasional roots <2mm. (KELLAWAYS SAND MEMBER)	1.90	(0.40)	63.78		
			2.00 2.00	SPT D	N=8 (1,2,1,2,2,3)		Firm grey and orangish brown CLAY with fine gravel sized pockets of fine to medium sand. (KELLAWAYS CLAY MEMBER)	2.50	(0.60)	63.18		
			2.60	D			Stiff grey CLAY. (KELLAWAYS CLAY MEMBER)	3.00				
			3.00 3.20 - 4.00	SPT B	N=10 (2,2,1,2,3,4)				(2.50)			
			4.00 4.20 - 5.00	SPT B	N=11 (2,1,3,2,3,3)							
			5.00	SPT	50/75mm (2,3,50)		End of Borehole at 5.00m	5.00		60.68		

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 5.00m bgl on SPT. 3) No groundwater encountered 4) Gas and groundwater monitoring pipe installed to 5.00m bgl. Response zone between 1.00m bgl and 5.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 24/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448441.55, 213653.64	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 62.56m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Brown slightly silty slightly gravelly SAND. Gravel is angular to rounded, fine to medium, flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	62.26		
			0.60	ES			Brown and orangish brown slightly clayey SAND. Gravel is angular to rounded fine to medium of flint. (ALLUVIUM)		(0.90)			
			1.20	SPT	N=5 (2,2,1,2,1,1)		Firm brown and orangish brown sandy CLAY. (ALLUVIUM)	1.20		61.36		
			1.30	D					(0.40)			
			1.70	D			Soft orangish brown slightly sandy silty CLAY. (ALLUVIUM)		(0.40)			
			2.00	SPT	N=15 (2,3,2,4,5,4)		Medium dense to very dense brown and dark brown SAND & GRAVEL. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	2.00		60.56		
			2.00 - 2.60	B					(1.00)			
			3.00	SPT	50/105mm (8,15,33,17)					59.56		
End of Borehole at 3.00m												

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 3.00m bgl on SPT. 3) Groundwater encountered at 2.00m bgl. 4) Gas and groundwater monitoring pipe installed to 3.00m bgl. Response zone between 1.00m bgl and 3.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 25/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447964.87, 213420.06	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 68.14m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill	
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results								
1.20 - 2.00		100%	0.20	ES	N=28 (4,4,4,7,9,8)		Dark brown slightly silty slightly gravelly SAND with occasional roots <2mm. Gravel is angular to rounded fine to medium of flint and quartz (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	67.74			
			0.60	ES			Brown and orangish brown slightly clayey slightly silty slightly gravelly SAND. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	0.80	(0.40)	67.34			
			1.00	D			Brown slightly gravelly clayey SAND. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	1.20	(0.40)	66.94			
			1.20	SPT									
2.00 - 2.60		100%	2.00	SPT	N=43 (11,9,9,10,10,14)		Medium dense becoming very dense light brown and light grey SAND & GRAVEL. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	2.00	(1.40)				
			2.00 - 2.60	B									
			2.60	SPT		50/115mm (25,32,18)							
End of Borehole at 2.60m													

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 2.60m bgl on SPT. 3) No groundwater encountered 4) Gas and groundwater monitoring pipe installed to 2.60m bgl. Response zone between 0.80m bgl and 2.60m bgl.



Method: Dynamic (Windowless) Sampler	Date(s): 24/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448293.75, 213542.69	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 67.12m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Brown slightly silty slightly gravelly SAND. Gravel is angular to rounded, fine to medium, flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	66.72		
			0.50	ES			Brown and orangish brown slightly silty slightly gravelly SAND. Gravel is angular to rounded fine to medium of flint, limestone and quartz. (RIVER TERRACE DEPOSITS)	0.90	(0.50)	66.22		
			1.00	D			Dense light brown gravelly SAND. Gravel is angular to sub angular of limestone and flint. (RIVER TERRACE DEPOSITS)	1.40	(0.50)	65.72		
			1.20	SPT	N=43 (9,9,9,12,11,11)							
			1.50	D			Brown and orangish brown slightly clayey SAND & GRAVEL. Gravel is angular to sub angular of limestone. (RIVER TERRACE DEPOSITS)	1.80	(0.40)	65.32		
			2.00	SPT	50/210mm (18,7,20,17,13)		Very dense orangish brown SAND & GRAVEL. Gravel is angular to rounded of flint, limestone and quartz. (RIVER TERRACE DEPOSITS)	2.00	(0.20)	65.12		
			2.00	D			End of Borehole at 2.00m					

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 2.00m bgl on SPT. 3) No groundwater encountered 4) Gas and groundwater monitoring pipe installed to 2.00m bgl. Response zone between 1.00m bgl and 2.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 08/09/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448543.41, 213592.23	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 61.94m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Brown slightly clayey slightly gravelly SAND. Gravel is subangular to angular, sine to coarse of flint and limestone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.15	(0.15)	61.79		
			0.50	SPT	N=9 (7,4,3,2,2,2)		Cream slightly sandy gravelly limestone COBBLES (MADE GROUND)		(0.65)			
			1.00	SPT	50/215mm (1,2,8,18,24)		Firm orange and grey sandy slightly gravelly CLAY. Gravel is subangular to subrounded, fine to coarse of flint. (ALLUVIUM)	0.80		61.14		
			1.00	D			Soft grey and orange sandy CLAY with black remnant rootlets and with rare subangular to angular gravel. (ALLUVIUM)	1.10	(0.30)	60.84		
							Orange sandy subangular to rounded, fine to coarse, flint GRAVEL. (RIVER TERRACE DEPOSITS)	1.30	(0.20)	60.64		
							End of Borehole at 1.37m	1.37	(0.07)	60.57		

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered at 1.30m bgl. 3) Borehole terminated on SPT refusal at 1.365m bgl. 4) Gas and groundwater monitoring well installed to 1.30m, response zone between 1.00m and 1.30m bgl.



Project: Begbroke

Borehole No

WS225

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Method: Dynamic (Windowless) Sampler	Date(s): 31/08/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447426.02, 213163.40	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 67.49m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	110mm	100%	0.20	ES		Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	67.19			
			0.60	ES		Light brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of flint and sandstone. (RIVER TERRACE DEPOSITS)	1	(1.70)				
			0.70	D								
			1.20 - 2.00	SPT B	N=16 (1,1,3,4,4,5)							
			2.00	SPT	50/135mm (20,5,25,25)	End of Borehole at 2.00m	2.00		65.49			

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole terminated on SPT refusal at 2.00m bgl. 4) Gas and groundwater monitoring well installed to 2.00m, response zone between 1.00m and 2.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 23/08/2022	Logged By: MH	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447923.72, 213321.95	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 68.21m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.30	ES			Brown slightly gravelly slightly silty SAND. Gravel is angular to rounded, fine to medium of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.40	(0.40)	67.81		
			0.70	ES			Soft brown slightly sandy slightly gravelly CLAY. Gravel is angular to rounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	1.00	(0.60)	67.21		
			1.10 1.20	D SPT	N=6 (3,2,2,1,1,2)		Loose brown slightly clayey SAND & GRAVEL. Gravel is angular to rounded, fine to coarse of flint, limestone and quartz. (RIVER TERRACE DEPOSITS)	1.40	(0.40)	66.81		
			1.60	D			Dense to very dense brown slightly clayey SAND & GRAVEL. Gravel is angular to rounded, fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	2.00	(1.30)			
			2.00 2.00	SPT D	N=48 (10,10,11,11,12,14)							
			2.60 2.70	D SPT	50/225mm (20,5,17,16,17)		... From 2.50m bgl: Becoming dark brown.	2.70		65.51		
End of Borehole at 2.70m												
								3				
								4				
								5				
								6				

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 2.70m bgl on SPT. 3) No groundwater encountered. 4) Gas and groundwater monitoring pipe installed to 2.70m bgl. Response zone between 1.00m bgl and 2.70m bgl.



Project: Begbroke

Borehole No

WS228

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Method: Dynamic (Windowless) Sampler	Date(s): 05/09/2022	Logged By: CR	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447936.14, 213111.76	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 67.66m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
0.70 - 1.00			0.30	ES			Brown clayey slightly gravelly SAND with occasional rootlets. Gravel is angular to rounded fine to medium of flint and quartz. (AGRICULTURALLY DISTURBED TOPSOIL)	0.50	(0.50)	67.16		
			0.70	SPT	50/155mm (11,13,19,26,5)		Very dense brown clayey slightly gravelly SAND. Gravel is angular to rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS) ... From 0.8m bgl: Becoming increasingly gravelly.	1.00	(0.50)	66.66		
-----							End of Borehole at 1.00m					
2												
3												
4												
5												
6												

General Remarks:
 1) Hand dug pit to 0.70m bgl. 2) Refusal at 1.00m bgl on SPT. 3) No groundwater encountered. 4) Gas and groundwater monitoring pipe installed to 1.00m bgl. Response zone between 0.80m bgl and 1.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 02/09/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448017.80, 213190.39	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 68.16m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	110mm	100%	0.10	ES	N=21 (4,3,4,4,6,7)		Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL) Brown slightly clayey slightly gravelly SAND. Gavel is angular to sub-rounded fine to coarse of flint and sandstone. (RIVER TERRACE DEPOSITS)	0.15	(0.15)	68.01		
			0.60	ES				(0.85)				
			0.90	D								
			1.20	SPT				1.00	67.16			
			1.30 1.40 - 2.00	D B				(1.00)				
2.00	SPT	50/150mm (9,12,20,30)	2.00	66.16		End of Borehole at 2.00m						

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole terminated on SPT refusal at 2.00m bgl. 4) Gas and groundwater monitoring well installed to 2.00m, response zone between 1.00m and 2.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 31/08/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448266.84, 213204.22	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 64.77m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	64.47		
			0.70	D			Stiff orangish brown slightly gravelly sandy CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint sandstone and limestone. (HEAD DEPOSITS)		(1.40)			
1.20 - 2.00	110mm	100%	1.20	SPT	N=25 (4,5,7,6,6,6)							
			1.80	D			Firm yellowish brown very sandy CLAY. (RIVER TERRACE DEPOSITS)	1.70		63.07		
2.00 - 3.00	110mm	100%	2.00	SPT	N=10 (2,2,3,2,2,3)							
			2.50	D								
3.00 - 4.00	110mm	100%	3.00	SPT	N=7 (1,1,2,2,1,2)							
			3.50	D			... from 3.50m bgl: Becomes soft.		(3.10)			
4.00 - 5.00	110mm	100%	4.00	SPT	N=7 (1,2,1,2,2,2)							
			4.90	D								
			5.00	SPT	N=3 (0,1,1,0,1,1)		Very loose dark orangish brown sandy angular to sub-rounded fine to coarse sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	4.80		59.97		
									(0.65)			
							End of Borehole at 5.45m	5.45		59.32		

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole completed at 5.45m bgl. 4) Gas and groundwater monitoring well installed to 5.00m, response zone between 1.00m and 5.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 26/08/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448473.49, 213371.17	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 61.66m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Light brown slightly gravelly slightly clayey SAND with occasional rootlets. Gravel is fine to coarse, subangular to subrounded flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.35	(0.35)	61.31		
			0.50	ES			Brown slightly gravelly SAND. Gravel is fine to coarse, subangular to subrounded flint and quartz. (ALLUVIUM)	0.50	(0.15)	61.16		
			0.80	D			Firm orange brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded, fine to coarse of flint and quartz. (ALLUVIUM)	0.90	(0.40)	60.76		
1.20 - 2.00	110mm	100%	1.20	SPT	N=21 (3,3,3,5,6,7)		Medium dense light brown slightly gravelly slightly clayey SAND. Gravel is subangular to angular fine to coarse of flint and quartz. (RIVER TERRACE DEPOSITS)	1	(0.80)			
			1.40	D								
2.00 - 3.00	110mm	100%	2.00	SPT	N=21 (6,5,5,6,5,5)		Brown gravelly slightly clayey SAND. Gravel is subangular to subrounded, fine to coarse of flint and quartz. (RIVER TERRACE DEPOSITS)	1.70	(0.30)	59.96		
			2.00	SPT			Medium dense brown slightly gravelly SAND. Gravel is fine to coarse, subangular to subrounded flint and quartz. (RIVER TERRACE DEPOSITS)	2.00	(0.30)	59.66		
			2.50	D			Medium dense brown sandy subangular to rounded, fine to coarse of flint and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	2.30	(0.30)	59.36		
3.00 - 4.00	110mm	100%	3.00	SPT	N=20 (7,8,6,5,5,4)		... At 2.90m bgl: Coarse limestone and flint gravel.	3	(1.20)			
			3.70	D			Stiff closely fissured bluish grey CLAY with rare shell fragments. (KELLAWAYS CLAY MEMBER)	3.50		58.16		
4.00 - 5.00	110mm	100%	4.00	SPT	N=10 (3,2,2,2,2,4)			4	(1.30)			
			4.60	SPT	50/10mm (25,50)							
			4.80	D				4.80		56.86		
							End of Borehole at 4.80m					
5												
6												

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered at 1.70m bgl. 3) Borehole completed at 4.80m bgl. 4) Gas and groundwater monitoring well installed to 3.00m, response zone between 1.00m and 3.00m bgl.



Project: Begbroke

Borehole No
WS234
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Method: Dynamic (Windowless) Sampler	Date(s): 08/09/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448807.02, 213381.35	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 61.32m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Firm dry light brown sandy slightly gravelly CLAY. Gravel is fine to coarse, subangular to subrounded flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	61.02		
			0.50	ES			Firm grey CLAY with rare fine to medium flint gravel. (ALLUVIUM)		(0.50)			
			0.70	D				0.80		60.52		
			1.20	SPT			Medium dense orange and grey SAND. (RIVER TERRACE DEPOSITS)	1	(0.60)			
			1.20	D		N=28 (2,3,5,8,7,8)		1.40		59.92		
			2.00	SPT		50/255mm (2,3,6,11,23,10)	Orange sandy subangular to rounded, fine to coarse, flint and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	1.80	(0.40)	59.52		
							Very dense light grey medium SAND. (KELLAWAYS SAND MEMBER)	2	(0.61)	58.91		
----- End of Borehole at 2.41m -----								2.41		58.91		
								3				
								4				
								5				
								6				

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole terminated on SPT refusal at 2.00m bgl. 4) Gas and groundwater monitoring well installed to 2.00m, response zone between 1.00m and 2.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 05/09/2022	Logged By: CR	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447770.82, 212798.25	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 64.31m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.30	ES			Brown slightly sandy gravelly CLAY with occasional rootlets. Gravel is sub angular to sub rounded fine to medium of quartz and flint with rare cobbles of chalk. (MADE GROUND)	0.50	(0.50)	63.81		
1.20 - 2.00	110mm	100%	1.20	SPT	N=16 (4,4,5,4,4,3)	▼	Medium dense orangish brown slightly clayey slightly gravelly SAND. Gravel is sub angular to sub rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS) ... From 1.10m bgl: Becoming silty.	1.60	(1.10)	62.71		
2.00 - 3.00	110mm	100%	2.00	SPT	N=6 (1,2,1,1,2,2)	▼	Loose orangish brown SAND & GRAVEL. Gravel is angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS)	2.60	(1.00)	61.71		
3.00 - 4.00			3.00	SPT	N=7 (3,1,2,2,1,2)		Soft blueish grey slightly sandy CLAY. (OXFORD CLAY FORMATION)	3.30	(0.70)	61.01		
4.00 - 5.00			4.00	SPT	N=16 (2,2,3,4,4,5)		Firm grey sandy CLAY with fine to medium sized pockets of sand. (KELLAWAYS SAND MEMBER)	5.00	(1.70)	59.31		
			5.00	SPT	N=17 (3,2,4,4,4,5)		End of Borehole at 5.00m					

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Hole completed at 5.00m bgl 3) Groundwater encountered at 1.60m bgl. 4) Gas and groundwater monitoring pipe installed to 5.00m bgl. Response zone between 1.00m bgl and 5.00m bgl.



Project: Begbroke

Borehole No

WS236

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Method: Dynamic (Windowless) Sampler	Date(s): 05/09/2022	Logged By: CR	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447911.87, 212890.39	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 66.24m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00			0.20	ES			Brown slightly sandy gravelly CLAY with occasional rootlets. Gravel is sub angular to sub rounded fine to medium of quartz and flint with rare cobbles of chalk and gravel sized fragments of brick. (MADE GROUND)	0.40	(0.40)	66.84		
			1.20	SPT	N=41 (9,9,10,10,10,11)		Dense light brown slightly gravelly SAND. Gravel is angular to sub angular fine to medium of flint quartz and sandstone. (RIVER TERRACE DEPOSITS)	1.70	(1.30)	64.54		
			2.00	SPT	50/60mm (21,4,50)		Very dense brown SAND & GRAVEL. Gravel is angular to sub rounded fine to medium of flint and quartz. (RIVER TERRACE DEPOSITS)	2.00	(0.30)	64.24		
							----- End of Borehole at 2.00m -----					

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 2.00m bgl on SPT. 3) No groundwater encountered. 4) Gas and groundwater monitoring pipe installed to 2.00m bgl. Response zone between 1.00m bgl and 2.00m bgl.



Project: Begbroke

Borehole No

WS237

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Method: Dynamic (Windowless) Sampler	Date(s): 02/09/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448061.09, 213086.14	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 67.40m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.15	(0.15)	67.25		
			0.50 0.60 - 1.20	D B			Brown slightly clayey slightly gravelly SAND. Gavel is angular to sub-rounded fine to coarse of flint and sandstone. (RIVER TERRACE DEPOSITS)	0.60	(0.45)	66.80		
			1.20	SPT	N=62 (6,9,14,16,16,16)		Very dense yellowish brown sandy sub-angular to rounded fine to coarse flint sandstone and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	1	(0.60)	66.20		
							End of Borehole at 1.20m	1.20				
2												
3												
4												
5												
6												

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole terminated on SPT refusal at 1.20m bgl. 4) Gas and groundwater monitoring well installed to 1.00m, response zone between 0.50m and 1.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 31/08/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448303.20, 213087.29	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 65.12m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	110mm	100%	0.20	ES	N=16 (3,3,4,4,4,4)		Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	64.82		
			0.60	ES			Orangish brown slightly clayey slightly gravelly SAND. Gravel is sub-angular to sub-rounded fine to coarse of flint and sandstone. (RIVER TERRACE DEPOSITS)	(0.70)				
			0.90	D								
2.00 - 3.00	110mm	100%	1.20	SPT	N=9 (5,3,2,2,2,3)		Medium dense brown sandy angular to sub-rounded fine to coarse sandstone and flint GRAVEL with occasional lenses of firm brown clay. (RIVER TERRACE DEPOSITS)	1.00	(1.10)	64.12		
			1.80	D								
3.00 - 4.00	110mm	90%	2.00	SPT	N=21 (2,2,3,4,6,8)		Firm to stiff grey CLAY with rare shell fragments. (OXFORD CLAY FORMATION)	2.10	(3.35)	63.02		
			2.50	D								
			3.00	SPT								
4.00 - 5.00	110mm	100%	3.50	D	N=12 (4,4,3,2,3,4)		... Between 3.50m and 4.10m bgl: Slightly sandy.					
			4.00	SPT			... From 4.00m bgl: Very thinly laminated.	4				
			4.50	D								
			5.00	SPT	N=28 (2,3,4,6,6,12)							
End of Borehole at 5.45m								5.45		59.67		

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole completed at 5.45m bgl. 4) Gas and groundwater monitoring well installed to 5.00m, response zone between 2.00m and 5.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 06/09/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448585.16, 213169.40	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 61.33m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Brown slightly gravelly slightly clayey SAND. Gravel is subangular to subrounded, fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.25	(0.25)	61.08		
			0.40	ES			Firm orange sandy CLAY with rare subangular to rounded, fine to coarse limestone and flint gravel. (ALLUVIUM)		(0.55)			
			0.60	D				0.80		60.53		
							Yellowish brown slightly gravelly SAND. Gravel is subangular to subrounded, fine to coarse of flint and limestone. (ALLUVIUM)	1	(0.30)			
			1.20	SPT	N=18 (3,4,5,5,5,3)		Firm greenish brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded, fine to coarse of flint. (ALLUVIUM)	1.10	(0.30)	60.23		
			1.30	D				1.40		59.93		
							Brown gravelly SAND. Gravel is angular to rounded fine to medium of flint. (ALLUVIUM)		(0.30)			
							Firm brown slightly sandy gravelly CLAY. Gravel is angular fine to medium of flint. (ALLUVIUM)	1.70	(0.20)	59.63		
			2.00	SPT	N=29 (6,5,8,7,7,7)		Medium dense brown sandy subangular to rounded, fine to coarse of flint and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	1.90	(0.20)	59.43		
			2.50	D					(1.10)			
								3.00		58.33		
End of Borehole at 3.00m												

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered at 1.50m bgl. encountered. 3) Borehole terminated at 3.00m bgl due to collapse to 2.50m bgl. Unable to case through gravels. 4) Gas and groundwater monitoring well installed to 2.80m, response zone between 1.30m bgl and 2.50m bgl.



Project: Begbroke

Borehole No

WS240

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Method: Dynamic (Windowless) Sampler	Date(s): 08/09/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448717.01, 213225.93	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 61.26m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10	ES			Firm dry light brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded, fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.25	(0.25)	61.01		
			0.40	ES			Firm brownish orange sandy CLAY. (ALLUVIUM)		(0.75)			
			0.80	D				1.00		60.26		
			1.20	SPT	N=50 (5,9,14,14,15,7)		Very dense grey sandy rounded to subangular, fine to coarse flint and limestone GRAVEL. (RIVER TERRACE DEPOSITS)		(0.65)			
<p>End of Borehole at 1.65m</p>												
								1.65		59.61		
								2				
								3				
								4				
								5				
								6				

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole terminated at 1.65m bgl on SPT refusal. 4) Gas and groundwater monitoring well installed to 1.20m, response zone between 0.90m bgl and 1.20m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 01/09/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448923.06, 213314.09	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 61.59m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	110mm	90%	0.20	ES	N=19 (0,0,1,3,6,9)		Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	61.29		
			0.60	D			Firm yellowish brown slightly gravelly sandy CLAY with occasional shell fragments. Gravel is sub-angular to sub-rounded fine and medium of sandstone flint and coal. (ALLUVIUM)		(0.90)			
2.00 - 3.00	110mm	100%	1.20	SPT	N=22 (3,4,6,4,6,6)	▼	Soft grey mottled black sandy CLAY. (ALLUVIUM)	1.20	(0.30)	60.39		
			1.30	ES								
			1.50 - 3.00	B								
2.00 - 3.00	110mm	100%	2.00	SPT	N=24 (6,7,6,6,5,7)		Medium dense yellowish brown gravelly SAND. Gravel is sub-rounded to rounded fine to coarse of flint and sandstone. (RIVER TERRACE DEPOSITS)	2.00	(1.90)			
			... From 2.70m to 3.40m bgl: Becomes very gravelly.									
3.00 - 4.00	110mm	80%	3.00	SPT	N=24 (6,7,6,6,5,7)							
			3.50	D			Firm grey very sandy CLAY. (KELLAWAYS SAND MEMBER)		(0.50)	58.19		
4.00 - 5.00	110mm	90%	4.00	SPT	N=14 (2,2,2,3,3,6)		Stiff grey very thinly laminated CLAY. (KELLAWAYS CLAY MEMBER)	3.90		57.69		
			4.50	D								
			5.00	SPT			N=21 (2,3,4,4,6,7)					
								5.45		56.14		
								End of Borehole at 5.45m				

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered at 2.00m, no rise. 3) Borehole completed at 5.45m bgl. 4) Gas and groundwater monitoring well installed to 2.00m, response zone between 1.00m and 2.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 05/09/2022	Logged By: CR	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 447808.73, 212721.52	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 61.92m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Brown slightly sandy gravelly CLAY with occasional rootlets. Gravel is sub angular to sub rounded fine to medium of quartz and flint with rare cobbles of chalk. (AGRICULTURALLY DISTURBED TOPSOIL)	0.50	(0.50)	61.42		
1.20 - 2.00			1.20	SPT	N=7 (2,1,1,2,1,3)	▼	Loose yellowish brown slightly clayey gravelly SAND. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS)	1.30	(0.80)	60.62		
2.00 - 3.00			2.00	SPT	N=3 (0,0,0,1,1,1)		Firm yellowish brown sandy slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS)	2.50	(1.20)	59.42		
3.00 - 3.60			3.00	SPT	N=27 (0,2,4,6,8,9)		Medium dense yellowish brown clayey SAND. (RIVER TERRACE DEPOSITS)	3.30	(0.80)	58.62		
							Very dense yellowish brown SAND & GRAVEL. Gravel is sub angular to rounded of flint. (RIVER TERRACE DEPOSITS)	3.60	(0.30)	58.32		
							End of Borehole at 3.60m					
			4.00	SPT	50/245mm (4,9,15,16,14,5)							

General Remarks:
 1) Hand dug pit to 1.20m bgl. 2) Refusal at 3.60m bgl on SPT. 3) Groundwater encountered at 1.10m bgl 4) Gas and groundwater monitoring pipe installed to 3.60m bgl. Response zone between 0.60m bgl and 3.60m bgl.



Project: Begbroke

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Method: Dynamic (Windowless) Sampler	Date(s): 02/09/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448203.25, 212986.91	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 66.85m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	66.55		
			0.40	ES			Brown slightly clayey slightly gravelly SAND. Gavel is angular to sub-rounded fine to coarse of flint and sandstone. (RIVER TERRACE DEPOSITS)	0.60	(0.30)	66.25		
			0.60 - 1.20	B			Very dense yellowish brown sandy sub-angular to rounded fine to coarse flint sandstone and limestone GRAVEL. (RIVER TERRACE DEPOSITS)	1.20	(0.60)	65.65		
			1.20	SPT	50/285mm (8,9,10,11,14,15)		End of Borehole at 1.20m					

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole terminated on SPT refusal at 1.20m bgl. 4) Gas and groundwater monitoring well installed to 1.00m, response zone between 0.50m and 1.00m bgl.



Project: Begbroke

Borehole No

WS244

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Method: Dynamic (Windowless) Sampler	Date(s): 01/09/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448484.80, 213040.42	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 61.21m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	60.91		
			0.60	D			Dense brown gravelly SAND. Gravel is angular to sub-rounded fine to coarse of flint sandstone and limestone. (RIVER TERRACE DEPOSITS)		(1.10)			
			0.70	ES								
			1.20	SPT	50/145mm (25,29,21)					59.81		
							End of Borehole at 1.40m					
2												
3												
4												
5												
6												

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole terminated on SPT refusal at 1.40m bgl. 4) Gas and groundwater monitoring well installed to 1.00m, response zone between 0.50m and 1.00m bgl.

Method: Dynamic (Windowless) Sampler

Date(s): 02/09/2022

Logged By: MA

Drilled By: RP Drilling

Client: Oxford University Development

Co-ords: 448063.54, 212633.50

Checked By: CV

Rig: Dart Terrier

Hydrock Project No: C-19114-C

Ground Level: 60.66m OD

Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrum-entation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	110mm	80%	0.20	ES	N=16 (0,2,2,2,5,7)	▼	Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	60.36	[Hatched Pattern]	[Black Fill]
			0.50 0.50	D ES			Firm orangish brown very sandy CLAY with raved gravels. Gravel is angular to sub-angular fine of flint. (ALLUVIUM)	(0.80)		[Dotted Pattern]	[Black Fill]	
			1.10 1.20	D SPT			Very soft bluish grey sandy CLAY with frequent decomposed remnant purple roots and plant debris (up to 1.5cm diameter). (ALLUVIUM)	1.10 1.40	59.56	[Dotted Pattern]	[Black Fill]	
2.00 - 3.00	110mm	100%	1.50 - 3.00	B	N=22 (3,4,5,5,5,7)		Medium dense yellowish brown sandy sub-angular to rounded fine to coarse flint sandstone and limestone GRAVEL. (RIVER TERRACE DEPOSITS)				[Dotted Pattern]	[Black Fill]
			2.00	SPT			2.00		(2.05)		[Dotted Pattern]	[Black Fill]
End of Borehole at 3.45m								3.45		57.21		

General Remarks:

1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered at 1.20m bgl, no rise. 3) Borehole terminated at 3.00m, casing being dragged down by SPT. 4) Gas and groundwater monitoring well installed to 2.70m, response zone between 1.70m and 2.70m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 06/09/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448807.90, 213050.12	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 61.01m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	110mm	100%	0.10	ES	N=38 (4,5,7,9,11,11)	▼	Light brown slightly gravelly SAND with frequent roots and rootlets. Gravel is subangular to subrounded fine to coarse of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.25	(0.25)	60.76		
			0.90	ES			Orange brown slightly gravelly SAND. Gravel is subangular to subrounded, fine to coarse of flint. (RIVER TERRACE DEPOSITS)	0.75	(0.50)	60.26		
			1.00	D	Dense yellowish brown slightly gravelly SAND. Gravel is subangular to subrounded, fine to coarse of flint and limestone. (RIVER TERRACE DEPOSITS)		1.00					
			1.20	SPT			1.80					
			1.90	D	N=35 (5,6,6,8,11,10)		Dense greenish grey sandy subangular to angular fine to coarse limestone and flint GRAVEL. (RIVER TERRACE DEPOSITS) ... At 1.80m bgl: 2cm band of grey clay.	1.80		59.21		
			2.00	SPT			2.45	(0.65)	58.56			
End of Borehole at 2.45m												

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered at 1.15m, rising to 1.05m over 20 minutes. 3) Borehole terminated at 2.45m bgl due to collapse to 1.70m bgl and unable to case through gravels. 4) Gas and groundwater monitoring well installed to 1.70m bgl, response zone between 1.00m and 1.70m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 01/09/2022 - 06/09/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 448747.99, 212781.45	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 60.81m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill	
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results								
			0.20	ES			Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	60.51	[Hatched Pattern]		
			0.50	D			Orangish brown SAND. (RIVER TERRACE DEPOSITS)	0.70	(0.40)	60.11	[Dotted Pattern]		
			1.20	SPT	50/105mm (23,2,37,13)		Light brown gravelly SAND. Gravel is sub-angular torounded fine to coarse of flint and sandstone. (RIVER TERRACE DEPOSITS)	1.20	(0.50)	59.61	[Dotted Pattern]		
							Very dense light brown gravelly SAND. Gravel is sub-angular torounded fine to coarse of flint and sandstone. (RIVER TERRACE DEPOSITS)	1.39	(0.19)	59.42	[Dotted Pattern]		
							End of Borehole at 1.39m						
2													
3													
4													
5													
6													

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater not encountered. 3) Borehole terminated on SPT refusal at 1.385m bgl. 4) Gas and groundwater monitoring well installed to 1.00m, response zone between 0.80m and 1.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 01/09/2022	Logged By: MA	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 449155.50, 212828.91	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 60.53m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	ES			Stiff desiccated brown slightly sandy slightly gravelly CLAY. Gravel is rounded fine and medium of flint. (AGRICULTURALLY DISTURBED TOPSOIL)	0.30	(0.30)	60.23		
			0.50	D			Orangish brown SAND. (RIVER TERRACE DEPOSITS)		(0.80)			
1.20 - 2.00	110mm	90%	1.20 1.20 - 2.00	SPT B	N=17 (4,2,3,4,5,5)	☑	Medium denserangish brown sandy sub-angular to rounded fine to coarse flint and sandstone GRAVEL. (RIVER TERRACE DEPOSITS)	1.10		59.43		
2.00 - 3.00	110mm	100%	2.00	SPT	N=8 (1,2,1,2,3,2)		Firm grey sandy CLAY. (OXFORD CLAY FORMATION)	2.00		58.53		
			2.50	D				2.60		57.93		
3.00 - 4.00	110mm	100%	3.00	SPT	N=19 (2,3,3,5,5,6)		Stiff grey very thinly laminated slightly sandy CLAY with occasional shell fragments and rare sub-angular gravels of burnt shale. Sand is fine and forms in occasional lenses. (OXFORD CLAY FORMATION)	3				
			3.50	D								
4.00 - 5.00	110mm	100%	4.00	SPT	N=17 (3,2,3,3,3,8)			4				
			4.50	D								
			5.00	SPT	N=19 (2,4,4,4,4,7)			5				
End of Borehole at 5.45m								5.45		55.08		

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered at 1.15m, rising to 1.05m over 20 minutes. 3) Borehole completed at 5.45m bgl. 4) Gas and groundwater monitoring well installed to 2.00m, response zone between 1.00m and 2.00m bgl.

Method: Dynamic (Windowless) Sampler	Date(s): 06/09/2022	Logged By: NT	Drilled By: RP Drilling
Client: Oxford University Development	Co-ords: 449134.61, 212444.02	Checked By: CV	Rig: Dart Terrier
Hydrock Project No: C-19114-C	Ground Level: 60.40m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill	
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results								
			0.10	ES			Stiff dessicated brown sandy slightly gravelly CLAY with abundant roots and rootlets. Gravel is fine to coarse, subangular to rubrounded flint, limestone and sandstone. (AGRICULTURALLY DISTURBED TOPSOIL)	0.25	(0.25)	60.15			
			0.40	ES				Soft orange brown sandy CLAY with rare subangular to subrounded, fine flint gravel. (ALLUVIUM)	(0.75)				
			0.60	D									
1.20 - 2.00	110mm	100%	1.20	SPT	N=4 (2,2,2,1,0,1)	▼	Very loose grey and yellow brown clayey SAND. (ALLUVIUM)	1.00	(0.50)	59.40			
2.00 - 3.00	110mm	100%	1.20	D			Firm locally soft grey slightly sandy slightly gravelly CLAY with a mild organic odour and occasional purple remnant roots. Gravel is subrounded to rounded, fine to coarse, of flint. (ALLUVIUM) ... Between 1.50 - 1.60m bgl: Grey.	1.50	(1.10)	58.90			
			1.80	D									
			2.00	SPT									N=9 (1,1,2,2,2,3)
3.00 - 4.00	110mm	100%	2.70	D			Firm bluish grey CLAY with rare fine shell fragments. (OXFORD CLAY FORMATION)	2.60	(1.00)	57.80			
			3.00	SPT									N=9 (2,1,2,2,2,3)
			3.60	D									
4.00 - 5.00	110mm	100%	4.00	SPT	N=15 (2,3,3,4,4,4)		Stiff bluish grey CLAY with rare fine shell fragments. (OXFORD CLAY FORMATION)	3.60	(1.85)	56.80			
			4.50	D									
			5.00	SPT	N=23 (4,3,4,5,6,8)								
								5.45		54.95			
								End of Borehole at 5.45m					
													6

General Remarks:
 1) Inspection pit hand dug to 1.20m bgl. 2) Groundwater encountered at 1.40m bgl, no rise. 3) Borehole completed at 5.45m bgl. 4) Gas and groundwater monitoring well installed to 5.00m, response zone between 1.00m and 5.00m bgl.


Exploratory Hole Photographs

SI Photograph Template

<p>Site Investigation Photograph 1</p>	
<p>Date: 27/09/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: SA02 installation of soakaway monitoring pipes and backfilling of pit.</p>	

<p>Site Investigation Photograph 2</p>	
<p>Date: 27/09/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: SA03a water ingress from base and side of the pit.</p>	

<p>Site Investigation Photograph 3</p>	
<p>Date: 27/09/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: SA03a arisings with agriculturally disturbed topsoil over alluvium.</p>	


<p>Site Investigation Photograph 4</p>	
<p>Date: 27/09/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: SA04 water ingress at base of the pit, with soakaway monitoring pipes being installed.</p>	

<p>Site Investigation Photograph 5</p>	
<p>Date: 27/09/21</p>	
<p>Direction Photograph Taken: n/a</p>	
<p>Description: SA04 with gravel about to be placed in the pit and arisings comprising agriculturally disturbed topsoil over alluvium.</p>	

<p>Site Investigation Photograph 6</p>	
<p>Date: 27/09/21</p>	
<p>Direction Photograph Taken: n/a</p>	
<p>Description: SA05 water ingress at base of the pit</p>	


<p>Site Investigation Photograph 7</p>	
<p>Date: 27/09/21</p>	
<p>Direction Photograph Taken: n/a</p>	
<p>Description: SA05 arisings comprising agriculturally disturbed topsoil over alluvium over river terrace deposits.</p>	

<p>Site Investigation Photograph 8</p>	
<p>Date: 28/10/21</p>	
<p>Direction Photograph Taken: n/a</p>	
<p>Description: SA06 dry pit with soakaway monitoring pipes being installed.</p>	

<p>Site Investigation Photograph 9</p>	
<p>Date: 28/09/21</p>	
<p>Direction Photograph Taken: n/a</p>	
<p>Description: SA06 with gravel about to be placed in the pit and arisings comprising agriculturally disturbed topsoil over river terrace deposits.</p>	

<p>Site Investigation Photograph 10</p>	
<p>Date: 28/09/21</p>	
<p>Direction Photograph Taken: n/a</p>	
<p>Description: SA07 dry pit at base.</p>	

<p>Site Investigation Photograph 11</p>	
<p>Date: 28/09/21</p>	
<p>Direction Photograph Taken: n/a</p>	
<p>Description: SA07 with gravel placed in the pit, soakaway monitoring pipes installed and arisings comprising agriculturally disturbed topsoil over river terrace deposits.</p>	

<p>Site Investigation Photograph 12</p>	
<p>Date: 28/09/21</p>	
<p>Direction Photograph Taken: n/a</p>	
<p>Description: SA08 with gravel and soakaway monitoring pipes placed in the pit. Arisings comprising of agriculturally disturbed topsoil over river terrace deposits over oxford clay.</p>	

<p>Site Investigation Photograph 13</p>	
<p>Date: 28/08/21</p>	
<p>Direction Photograph Taken: n/a</p>	
<p>Description: SA09 with water ingress at base of the pit.</p>	

<p>Site Investigation Photograph 14</p>	
<p>Date: 28/09/21</p>	
<p>Direction Photograph Taken: n/a</p>	
<p>Description: SA09 with gravel and soakaway monitoring pipes installed. Arisings comprising agriculturally disturbed topsoil over alluvium over river terrace deposits.</p>	

Site Investigation Photograph 15
Date: 17/08/21
Direction Photograph Taken: n/a.
Description: Spoil from TP01.



Site Investigation Photograph 16
Date: 17/08/21
Direction Photograph Taken: n/a.
Description: TP01 down pit.



<p>Site Investigation Photograph 17</p>	
<p>Date: 20/08/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: Spoil from TP02.</p>	

<p>Site Investigation Photograph 18</p>	
<p>Date: 20/08/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP02 down pit.</p>	

Site Investigation Photograph 19
Date: 20/08/21
Direction Photograph Taken: n/a.
Description: Spoil from TP03.




Site Investigation Photograph 20
Date: 20/08/21
Direction Photograph Taken: n/a.
Description: TP03 down pit.



<p>Site Investigation Photograph 21</p>	
<p>Date: 20/08/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: Spoil from TP04.</p>	

<p>Site Investigation Photograph 22</p>	
<p>Date: 20/08/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP04 down pit.</p>	

<p>Site Investigation Photograph 23</p>	
<p>Date: 20/08/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: Spoil from TP05.</p>	

<p>Site Investigation Photograph 24</p>	
<p>Date: 20/08/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP05 down pit.</p>	

<p>Site Investigation Photograph 25</p>	
<p>Date: 20/08/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: Spoil from TP06.</p>	

<p>Site Investigation Photograph 26</p>	
<p>Date: 20/08/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP06 down pit.</p>	

<p>Site Investigation Photograph 27</p>	
<p>Date: 20/08/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: Spoil from TP07.</p>	

<p>Site Investigation Photograph 28</p>	
<p>Date: 20/08/21</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP07 down pit.</p>	

<p>Site Investigation Photograph 29</p>	
<p>Date: 09/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP201 down pit showing River Terrace Deposits over Oxford Clay Formation.</p>	

<p>Site Investigation Photograph 30</p>	
<p>Date: 09/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP201 spoil pile showing arisings of Oxford Clay Formation.</p>	

<p>Site Investigation Photograph 31</p>
<p>Date: 09/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP202 down pit showing River Terrace Deposits.</p>



<p>Site Investigation Photograph 32</p>
<p>Date: 09/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP202 spoil pile showing arisings of River Terrace Deposits.</p>



<p>Site Investigation Photograph 33</p>
<p>Date: 06/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP203 down pit showing Cornbrash Limestone at base.</p>



<p>Site Investigation Photograph 34</p>
<p>Date: 06/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP203 spoil pile showing River Terrace Deposits and Kellaways Clay Member.</p>



<p>Site Investigation Photograph 35</p>	
<p>Date: 06/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP204 down pit showing River Terrace Deposits over Oxford Clay Formation.</p>	

<p>Site Investigation Photograph 36</p>	
<p>Date: 06/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP204 spoil pile showing arisings of River Terrace Deposits.</p>	

<p>Site Investigation Photograph 37</p>	
<p>Date: 09/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP205 down pit showing River Terrace Deposits.</p>	

<p>Site Investigation Photograph 38</p>	
<p>Date: 09/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP205 spoil pile showing arisings of River Terrace Deposits.</p>	

<p>Site Investigation Photograph 39</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP206 down pit showing River Terrace Deposits.</p>	

<p>Site Investigation Photograph 40</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP206 spoil pile showing arisings of River Terrace Deposits.</p>	

<p>Site Investigation Photograph 41</p>
<p>Date: 06/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP207 down pit showing Cornbrash Limestone Formation.</p>



<p>Site Investigation Photograph 42</p>
<p>Date: 06/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP207 spoil pile showing arisings of Cornbrash Limestone Formation.</p>



<p>Site Investigation Photograph 43</p>	
<p>Date: 07/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP208 down pit showing Head deposits over River Terrace Deposits.</p>	

<p>Site Investigation Photograph 44</p>	
<p>Date: 07/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP208 spoil pile showing arisings of River Terrace Deposits.</p>	

<p>Site Investigation Photograph 45</p>	
<p>Date: 06/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP209 showing River Terrace Deposits over Kellaways Clay Member.</p>	

<p>Site Investigation Photograph 46</p>	
<p>Date: 06/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP209 spoil pile showing arisings of River Terrace Deposits and Kellaways Clay Member.</p>	

Site Investigation Photograph 47
Date: 06/09/22
Direction Photograph Taken: n/a.
Description: TP209 showing Head Deposits over Cornbrash Limestone Formation.




Site Investigation Photograph 48
Date: 06/09/22
Direction Photograph Taken: n/a.
Description: TP210 spoil pile showing arisings of Cornbrash Limestone Formation.




<p>Site Investigation Photograph 49</p>	
<p>Date: 09/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP211 down pit showing River Terrace Deposits.</p>	


<p>Site Investigation Photograph 50</p>	
<p>Date: 09/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP211 spoil pile showing arisings of River Terrace Deposits.</p>	

<p>Site Investigation Photograph 51</p>	
<p>Date: 09/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP212 showing River Terrace Deposits.</p>	

<p>Site Investigation Photograph 52</p>	
<p>Date: 09/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP212 spoil pile showing arisings of River Terrace Deposits.</p>	

<p>Site Investigation Photograph 53</p>	
<p>Date: 06/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP213 down pit showing River Terrace over Kellaways Clay Member and groundwater.</p>	

<p>Site Investigation Photograph 54</p>	
<p>Date: 06/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP213 spoil pile showing arisings of River Terrace Deposits, Kellaways Clay Member and Cornbrash Limestone Formation.</p>	

<p>Site Investigation Photograph 55</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP214 down pit showing River Terrace Deposits.</p>	

<p>Site Investigation Photograph 56</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP214 spoil pile showing arisings of River Terrace Deposits.</p>	

<p>Site Investigation Photograph 57</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP216 down pit showing River Terrace Deposits.</p>	

<p>Site Investigation Photograph 58</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP216 spoil pile showing arisings of River Terrace Deposits.</p>	

<p>Site Investigation Photograph 59</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP217 down pit showing River Terrace Deposits and a groundwater strike.</p>	

<p>Site Investigation Photograph 60</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP217 spoil pile showing arisings of River Terrace Deposits.</p>	

<p>Site Investigation Photograph 61</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP218 down pit showing River Terrace Deposits.</p>	

<p>Site Investigation Photograph 62</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP218 spoil pile showing arisings of River Terrace Deposits.</p>	

<p>Site Investigation Photograph 63</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP219 down pit showing River Terrace Deposits over Kellaways Sand Member.</p>	

<p>Site Investigation Photograph 64</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP219 spoil pile showing arisings of River Terrace Deposits and Kellaways Sand Member.</p>	

Site Investigation Photograph 65
Date: 06/09/22
Direction Photograph Taken: n/a.
Description: TP220 down pit showing River Terrace Deposits over Kellways Clay and Sand Members.



Site Investigation Photograph 66
Date: 06/09/22
Direction Photograph Taken: n/a.
Description: TP220 spoil pile showing arisings of Kellways Clay and Sand Members.



<p>Site Investigation Photograph 67</p>	
<p>Date: 09/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP222 down pit showing Head Deposits over River Terrace Deposits.</p>	

<p>Site Investigation Photograph 68</p>	
<p>Date: 09/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP222 spoil pile showing arisings of Head Deposits and River Terrace Deposits.</p>	

<p>Site Investigation Photograph 69</p>
<p>Date: 08/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP223 down pit showing Alluvium over River Terrace Deposits and a groundwater strike.</p>



<p>Site Investigation Photograph 70</p>
<p>Date: 08/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP223 spoil pile showing arisings of River Terrace Deposits.</p>



<p>Site Investigation Photograph 71</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP224 down pit showing alluvium over River Terrace Deposits and a groundwater strike.</p>	

<p>Site Investigation Photograph 72</p>	
<p>Date: 08/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP224 spoil pile showing arisings of Alluvium and River Terrace Deposits.</p>	

Site Investigation Photograph 73
Date: 05/09/22
Direction Photograph Taken: n/a.
Description: TP226 down pit showing alluvium over River Terrace Deposits.



Site Investigation Photograph 74
Date: 05/09/22
Direction Photograph Taken: n/a.
Description: TP226 spoil pile showing arisings of Alluvium and River Terrace Deposits.



<p>Site Investigation Photograph 75</p>
<p>Date: 05/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP229 down pit showing alluvium over River Terrace Deposits.</p>



<p>Site Investigation Photograph 76</p>
<p>Date: 05/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP229 spoil pile showing arisings of River Terrace Deposits.</p>



<p>Site Investigation Photograph 77</p>	
<p>Date: 07/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP230 down pit showing Alluvium over River Terrace Deposits and a groundwater strike.</p>	

<p>Site Investigation Photograph 78</p>	
<p>Date: 07/09/22</p>	
<p>Direction Photograph Taken: n/a.</p>	
<p>Description: TP230 spoil pile showing arisings of River Terrace Deposits.</p>	

<p>Site Investigation Photograph 79</p>
<p>Date: 07/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP231 down hole showing Alluvium over River Terrace Deposits and a groundwater strike.</p>



<p>Site Investigation Photograph 80</p>
<p>Date: 07/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP231 spoil pile showing arisings of River Terrace Deposits.</p>



Site Investigation Photograph 81
Date: 07/09/22
Direction Photograph Taken: n/a.
Description: TP233 down pit showing Alluvium, River Terrace Deposits and groundwater strike.



Site Investigation Photograph 82
Date: 07/09/22
Direction Photograph Taken: n/a.
Description: TP233 spoil pile showing arisings of River Terrace Deposits.



<p>Site Investigation Photograph 83</p>
<p>Date: 07/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP234 down pit showing Alluvium over River Terrace Deposits and a ground water strike.</p>



<p>Site Investigation Photograph 84</p>
<p>Date: 07/09/22</p>
<p>Direction Photograph Taken: n/a.</p>
<p>Description: TP234 spoil pile showing arisings of River Terrace Deposits.</p>



Site Investigation Photograph 85

Date: 30/08/22

Direction Photograph Taken: n/a.

Description: WS201 1.20 – 2.00m, showing Kellaways Clay Member.



Site Investigation Photograph 86

Date: 24/8/22

Direction Photograph Taken: n/a.

Description: WS206 1.20 - 2.00m, showing River Terrace Deposits over Kellaways Clay Member.



Site Investigation Photograph 87

Date: 24/8/22

Direction Photograph Taken: n/a.

Description: WS206 2.00 - 3.00m, showing Kellaways Clay Member over Cornbrash Limestone Formation.



Site Investigation Photograph 88

Date: 24/8/22

Direction Photograph Taken: n/a.

Description: WS206 3.00 - 4.00m, showing Cornbrash Limestone Formation.



Site Investigation Photograph 89

Date: 25/8/22

Direction Photograph Taken: n/a.

Description: WS210 1.20 - 2.00m, showing Alluvium.



Site Investigation Photograph 90

Date: 25/8/22

Direction Photograph Taken: n/a.

Description: WS210 2.00 - 3.00m, showing Cornbrash Limestone Formation.



Site Investigation Photograph 91

Date: 25/8/22

Direction Photograph Taken: n/a.

Description: WS215 1.20 - 2.00m, showing River Terrace Deposits.



Site Investigation Photograph 92

Date: 25/8/22

Direction Photograph Taken: n/a.

Description: WS215 2.00 - 3.00m, showing River Terrace Deposits.



Site Investigation Photograph 93
Date: 24/8/22
Direction Photograph Taken: n/a.
Description: WS220 1.20 - 2.00m, showing Alluvium.



Site Investigation Photograph 94
Date: 24/8/22
Direction Photograph Taken: n/a.
Description: WS220 2.00 - 3.00m, showing River Terrace Deposits.

