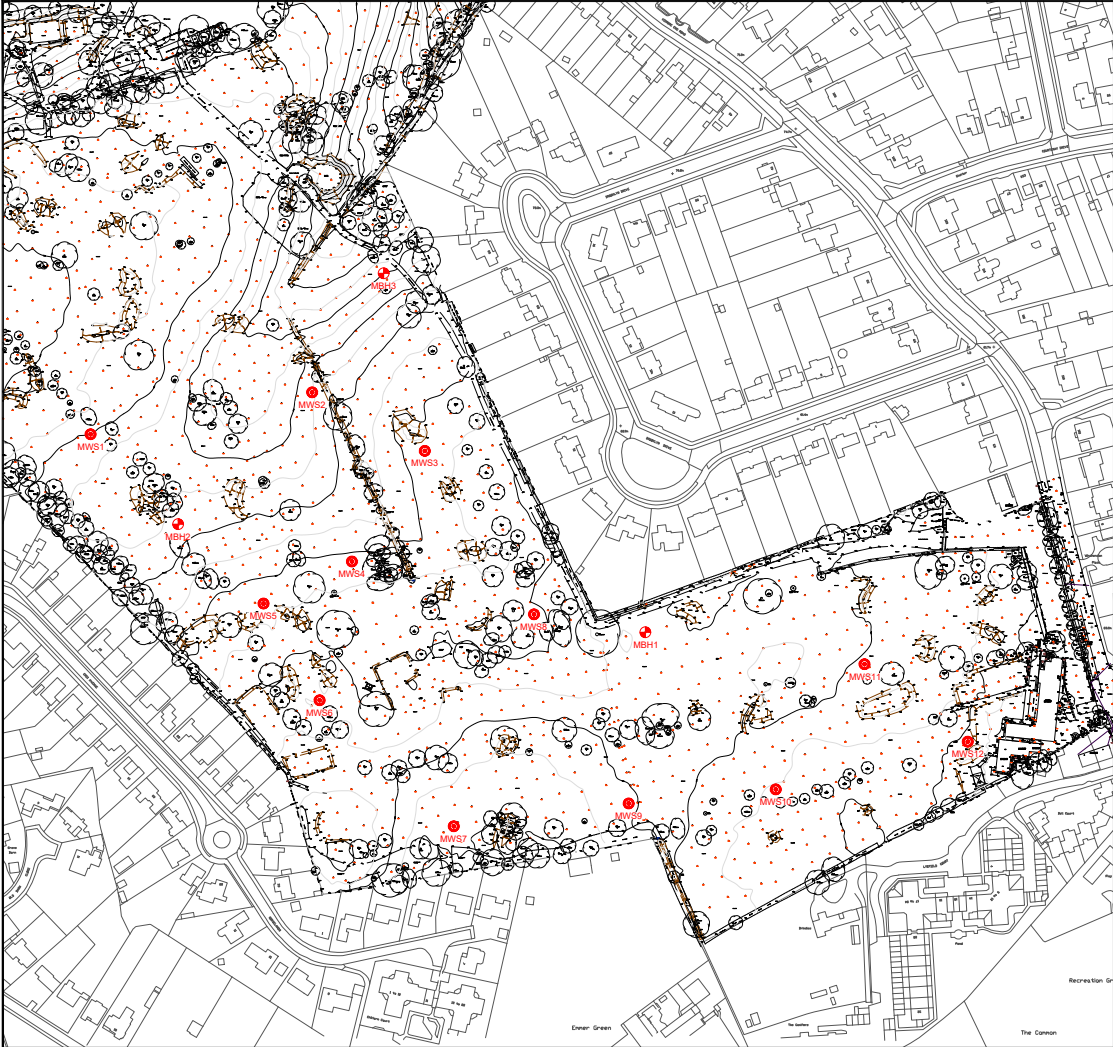


Appendix B

IDOM Borehole Location Plan (DWG No 304-001)



Legend

MBHref

Cable percussion drilled borehole with reference

MW5ref

Dynamic sampler/windowless sample drilled borehole with reference

First Issue	23-09-2019			-
Issue Details	FDO	KRP	KRP	
	Dwn	Chd	App'd	

Client/Project

Redrow Homes Thames Valley Reading Golf Club

Dwg Title

Approximate Exploratory Hole Locations

Job No.	21962b	Dwg No.	304-001	Revision	-
Scale	N.T.S	Date	September 2019	Frame Dimensions mm (A3)	400 x 280
Drawn	FDO	Checked	KRP	Approved	KRP

London

Kent

Derbyshire

Cardiff

Manchester

Gilling

Birmingham

Recreation 0

Enter Green

The Common

IDOM

Cromford Mills, Mill Lane, Matlock, Derbyshire DE4 3RQ

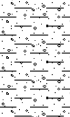
t: +44(0)1773 829 999 f: +44(0)1773 829 393 e: info.derbyshire@idom.com

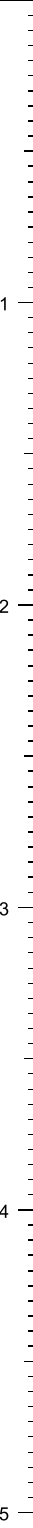
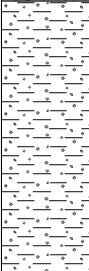
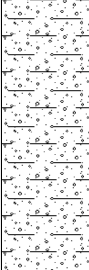
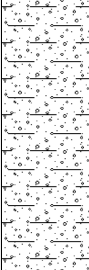
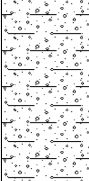
Appendix C

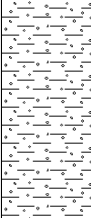
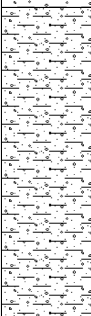
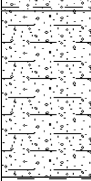
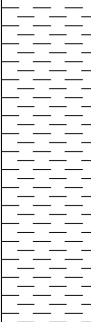
IDOM Borehole Logs

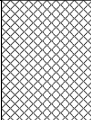
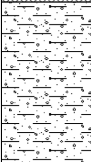
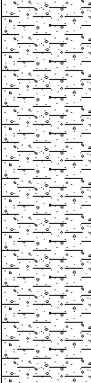
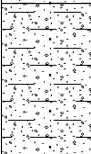
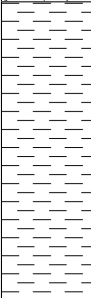
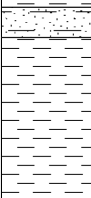
IDom				Borehole Log				Borehole No.																																								
								MBH1																																								
								Sheet 1 of 1																																								
Project Name: Reading Golf Club				Project No. 21962B				Hole Type CP																																								
Location:				Level (m):				Scale 1:50																																								
Equipment: Dando 2000 Mark 2				Dates: 15/10/2019				Logged By Driller/KP																																								
Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description																																				
		Depth (m)	Type	Results	FI	TCR	SCR	RQD																																								
		1.00	D	N=15 (1,2/3,4,4,4)					0.20			Grass over dark brown gravelly loam TOPSOIL.	1																																			
		1.20	SPT(C)									Medium dense, rusty brown, friable very clayey, silty gravelly SAND. Gravel is angular flint.																																				
		2.00	D	N=15 (2,2/3,4,4,4)												2.00			Firm, friable, rusty brown silty sandy slightly gravelly CLAY. Gravel is angular flint.	2																												
		2.00	SPT(C)																																													
		3.00	D	N=12 (1,2/2,3,3,4)																								3																				
		3.00	SPT(C)																																													
		4.00	D	N=11 (2,2/2,3,3,3)																																	4											
		4.00	SPT(C)																																													
		5.00	D	N=14 (3,2/3,3,4,4)																																										5		
		5.00	SPT(C)																																													
6.00	D	N=16 (2,3/3,4,4,5)											6																																			
6.50	SPT(C)																																															
7.00	D	N=14 (1,3/3,3,4,4)																																													7	
8.00	SPT(C)																																															
8.00	D																											8																				
8.00	SPT(C)																																															
8.45																																					9											
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon)										HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm) FI = fracture index TCR = total core recovery SCR = solid core recovery RQD = rock quality designation				Remarks Service clearance pit to 1.20m. Hole backfilled with arisings. Groundwater not encountered.																																		

IDom				Borehole Log				Borehole No.					
				MBH2									
				Sheet 1 of 1									
Project Name: Reading Golf Club				Project No. 21962B				Hole Type CP					
Location:				Level (m):				Scale 1:50					
Equipment: Dando 2000 Mark 2				Dates: 16/10/2019				Logged By Driller/KP					
Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results	FI	TCR	SCR	RQD					
									0.20			Grass over dark brown gravelly loam TOPSOIL.	
		1.00	D						1.00			Rusty brown, friable very clayey, silty gravelly SAND. Gravel is angular flint.	1
		1.20	SPT(C)	N=13 (2,3/3,3,3,4)								Medium dense, rusty-brown very clayey SAND and GRAVEL (hoggin). Gravel is medium angular flint.	
		2.00	D										2
		2.00	SPT(C)	N=15 (3,3/3,4,4,4)									
		3.00	D										3
		3.00	SPT(C)	N=18 (2,3/4,4,5,5)									
		4.00	D										4
		4.00	SPT(C)	N=15 (3,3/3,4,4,4)									
		5.00	D										5
		5.00	SPT(C)	N=17 (2,3/4,4,4,5)									
		6.00	D						6.00			Off white CHALK, recovered as 75% silt with some sub-angular chalk gravel and occasional gravel sized flint fragments.	6
		6.50	SPT(C)	N=11 (2,2/3,4,2,2)									7
		7.00	D										
		8.00	D										8
		8.00	SPT(C)	N=14 (3,4/6,2,3,3)					8.45			End of Borehole at 8.45m	9
													10
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm) FI = fracture index TCR = total core recovery SCR = solid core recovery RQD = rock quality designation									Remarks Service clearance pit to 1.20m. Hole backfilled with arisings.				

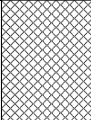
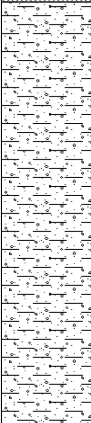
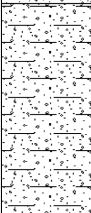
IDom				Borehole Log				Borehole No.					
								MBH3					
								Sheet 1 of 1					
Project Name: Reading Golf Club				Project No. 21962B				Hole Type CP					
Location:				Level (m):				Scale 1:50					
Equipment: Dando 2000 Mark 2				Dates: 16/10/2019				Logged By Driller/KP					
Well	Wtr Strk	Sample and In Situ Testing			Coring				Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results	FI	TCR	SCR	RQD					
									0.40			Grass over dark brown gravelly loam TOPSOIL.	
		1.00 1.20	D SPT(C)	N=30 (3,5/8,12,6,4)					1.20			Firm to stiff rusty brown sandy very gravelly CLAY/very clayey sandy GRAVEL. Gravel is medium angular flint.	1
		2.00 2.00	D SPT(C)	N=11 (6,7/3,3,2,3)								Creamy-brown becoming ff white CHALK, recovered as 80% silt with some sub-angular chalk gravel and occasional gravel sized flint fragments.	2
		3.00 3.00	D SPT(C)	N=15 (2,3/4,4,3,4)									3
		4.00 4.00	D SPT(C)	N=17 (3,5/6,3,3,5)									4
		5.00 5.00	D SPT(C)	N=21 (2,4/5,8,4,4)									5
		6.00	D										6
		6.50	SPT(C)	N=17 (9,12/6,4,4,3)									7
		7.00	D										7
		8.00 8.00	D SPT(C)	N=17 (3,4/5,5,3,4)					8.45				8
												End of Borehole at 8.45m	9
													10
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm) FI = fracture index TCR = total core recovery SCR = solid core recovery RQD = rock quality designation									Remarks Service clearance pit to 1.20m. Hole backfilled with arisings.				

				Windowless Sample Log		Borehole No. MWS1 Sheet 1 of 1			
Project Name: Reading Golf Club			Project No. 21962B		Co-ords:		Hole Type WLS		
Location:					Level (m):		Scale 1:25		
Equipment: Premier Compact 110 Series					Dates: 15/10/2019		Logged By CEK		
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	D,J		0.20			TOPSOIL. Brown loamy sandy clay with occasional medium to coarse subangular chert gravel. Grass topped with rootlets throughout.	
		0.10 - 0.20	D,J						
		0.45 - 0.55	D						
		1.00	SPT(C)		N=34 (10,11/10,10,7,7)				
		1.60							
		2.00	SPT(C)	N=20 (3,6/6,6,4,4)	2.50			Brown gravelly clay. Medium to coarse chert gravel.	2
		3.00	SPT(C)	N=20 (7,7/6,6,3,5)				Orange clayey fine sandy GRAVEL of fine to coarse subrounded to subangular chert.	3
		4.00	SPT(C)	N=16 (4,4/4,4,4,4)					4
		5.00	SPT(C)	N=39 (7,7/10,10,10,9)	5.00			End of Borehole at 5.00m	5
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)							Remarks		

				Windowless Sample Log		Borehole No. MWS10 Sheet 1 of 1			
Project Name: Reading Golf Club			Project No. 21962B		Co-ords:		Hole Type WLS		
Location:					Level (m):		Scale 1:25		
Equipment: Premier Compact 110 Series					Dates: 16/10/2019		Logged By CEK		
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	D,J		0.20		 TOPSOIL. Brown loamy sandy clay with occasional medium to coarse subangular chert gravel. Grass topped with rootlets throughout.	1	
							 Brown very gravelly CLAY. Gravel is fine to coarse rounded to angular chert.		
		1.00	SPT(C)	N=20 (4,4/5,5,5,5)	0.95		 Orange fine sandy gravelly CLAY. Fine to coarse rounded to angular chert gravel.	2	
							 Mottled black.		
		2.00	SPT(C)	N=31 (6,6/5,6,10,10)	2.30		 Orangish brown clayey slightly gravelly fine to medium SAND. Fine subrounded chert gravel.	3	
					 Greyish brown mottled red CLAY.				
		3.00	SPT(C)	N=22 (2,2/4,5,5,8)	2.85			4	
		4.00	SPT(C)	N=7 (1,1/2,1,2,2)	3.95 4.00		 Orange coarse sandy fine rounded to subrounded chert GRAVEL. Very wet. End of Borehole at 4.00m		
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)							Remarks		

				Windowless Sample Log		Borehole No. MWS11 Sheet 1 of 2			
Project Name: Reading Golf Club			Project No. 21962B		Co-ords:		Hole Type WLS		
Location:					Level (m):		Scale 1:25		
Equipment: Premier Compact 110 Series					Dates: 16/10/2019		Logged By CEK		
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.30	D,J		0.40			MADE GROUND. Brown loamy sandy clay with occasional medium to coarse subangular chert gravel and occasional fine to medium gravel sized brick fragments. Grass topped with rootlets throughout.	
								Orange fine to medium sandy gravelly CLAY. Gravel is fine to coarse subangular chert.	
		1.00	SPT(C)	N=32 (6,7/5,7,10,10)	2.20			Orange clayey gravelly fine to medium SAND. Gravel is fine to coarse subangular chert.	2
		2.00	SPT(C)	N=24 (7,7/6,6,6,6)					
								Grey CLAY.	
		3.00	SPT(C)	N=17 (2,4/4,3,5,5)	3.80			Grey mottled black clayey SAND.	3
								Grey CLAY.	
								Grey mottled red brown and yellow clayey medium SAND.	
		4.00	SPT(C)	N=41 (2,4/10,10,10,11)	4.50			End of Borehole at 4.50m	4
							Continued on Next Sheet	5	
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)						Remarks			

[illegible]

				Windowless Sample Log		Borehole No. MWS12 Sheet 1 of 1			
Project Name: Reading Golf Club			Project No. 21962B		Co-ords:		Hole Type WLS		
Location:					Level (m):		Scale 1:25		
Equipment: Premier Compact 110 Series					Dates: 16/10/2019		Logged By CEK		
Well	Wtr Strk	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.30	D,J		0.40		 MADE GROUND. Brown loamy sandy clay with occasional medium to coarse subangular chert gravel and occasional fine to medium gravel sized brick fragments. Grass topped with rootlets throughout.		
		0.80 - 0.90	D,J						 Brownish orange slightly medium sandy very gravelly CLAY. Subangular chert gravel.
		1.00	SPT(C)	N=20 (7,5/4,6,5,5)	1				
		2.00	SPT(C)	N=22 (2,2/5,5,6,6)		1.80	 Orange mottled beige slightly clayey slightly gravelly fine to medium SAND. Gravel is fine to medium subrounded chert. Very wet at depth.	2	
		2.50	SPT(C)	0 (17 for 75mm/0 for 0mm)	2.50	End of Borehole at 2.50m		3	
3.00	SPT(C)	0 (17 for 75mm/0 for 0mm)		4					
							5		
D = small disturbed sample (tub) J = organic sample (amber glass jar) V = volatile sample (amber glass vial) B = bulk bag sample SPT(C) = Standard Penetration Test (Cone) SPT(S) = Standard Penetration Test (Split Spoon) HSV = hand shear vane (kPa) PP = pocket penetrometer (kg.cm2) PID = photoionisation detector (ppm)								Remarks	