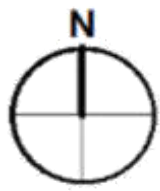


Appendix D

Ground Investigation Extracts



Hole Locations Approximate. Sizes exaggerated for clarity.

Locations positioned by hand held GPS.

Key

0.80 Depth to founding strata

clarkebond

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Bristol Exeter London

Client
Barratt Homes Bristol

Project
New Farm, Warminster

Drawing Title
Depth to competent founding strata

Purpose of Issue
Information

Clarkebond Project No. E05548					Status S2	
Project E05548	Originator CLK	Volume XX	Level XX	Type DR	Role GE	Dwg No. 0002
Scale N/A		Date 22/02/2021			Revision P1	
Drawn JY	Checked TT		Sheet Size A3			

clarkebond			Trial Pit Log				Trial Pit No.: TP01	
Project Name: New Farm, Warminster			Co-Ordinates: 386963 E 146385 N				Start: 20/01/2021	
Project Number: E05548			Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
1.00	D		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL) Soft to firm light grey sandy gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5 1.0 1.5	
1.50 1.50	B E		1.60					
End of Pit at 1.60m							2.0 2.5 3.0 3.5 4.0 4.5 5.0	
0.60 1.70						General Remarks: Heavy seepage/groundwater encountered at 1.5m. Refusal on Chalk at 1.6m.		Logged By: JY
Stability: Stable								Approved By: TT
Shoring: N/A						Method/Plant Used: JCB 3CX		Scale: 1:25
								Sheet 1 of 1

clarkebond			Trial Pit Log					Trial Pit No.: TP02	
Project Name: New Farm, Warminster				Co-Ordinates: 386964 E 146341 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
1.00 1.00 1.50	D E		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL) Soft light grey to brown silty sandy friable CLAY. (HEAD DEPOSITS)	0.5		
			0.80						Light grey to off white gravelly silty friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)
	1.80		End of Pit at 1.80m						
								2.0	
								2.5	
								3.0	
								3.5	
								4.0	
								4.5	
								5.0	
1.90						General Remarks: Heavy seepage/groundwater encountered at 1.2m.	Logged By: JY		
							Approved By: TT		
							Scale: 1:25		
							Sheet 1 of 1		
Stability: Stable						Method/Plant Used: JCB 3CX			
Shoring: N/A									

clarkebond			Trial Pit Log					Trial Pit No.: TP03		
Project Name: New Farm, Warminster				Co-Ordinates: 387094 E 146416 N				Start: 20/01/2021		
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021		
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well		
Depth (m)	Type	Results								
0.10	E		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5			
0.50	D					Light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)				
1.00	D									
1.50	B					Light silty slightly clayey GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)				
						End of Pit at 1.80m			1.80	
									2.0	
									2.5	
									3.0	
									3.5	
									4.0	
									4.5	
									5.0	
2.10						General Remarks: Soakaway Test Performed.		Logged By: JY		
0.60								Approved By: TT		
								Scale: 1:25		
								Sheet 1 of 1		
Stability: Stable						Method/Plant Used: JCB 3CX				
Shoring: N/A										

clarkebond			Trial Pit Log					Trial Pit No.: TP04	
Project Name: New Farm, Warminster				Co-Ordinates: 387021 E 146276 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.50	D		0.30			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
			0.60			Firm light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)			
1.50	D					Highly to moderately weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)			1.0
			1.50			End of Pit at 1.50m	1.5		
							2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
0.60 1.20						General Remarks: Soakaway Test Performed.		Logged By: JY	
								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable				Method/Plant Used: JCB 3CX					
Shoring: N/A									

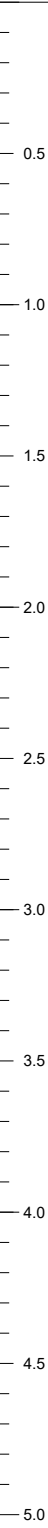
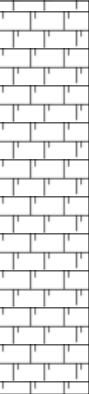
clarkebond			Trial Pit Log					Trial Pit No.: TP05	
Project Name: New Farm, Warminster				Co-Ordinates: 387130 E 146313 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.40	D		0.30			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
			0.50			Soft to firm light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS) Moderately weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)			
1.00	D		1.70			End of Pit at 1.70m	1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0		
1.70					General Remarks: Soakaway Test Performed. Refusal on Chalk at 1.7m.			Logged By: JY	
0.60								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX				
Shoring: N/A									

clarkebond		Trial Pit Log					Trial Pit No.: TP06	
Project Name: New Farm, Warminster				Co-Ordinates: 387066 E 146182 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.10	E		0.25			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5	
						Soft to firm light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk and flint nodules. (HEAD DEPOSITS)		
						Moderately weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)		
1.50	D		1.00				1.0	
							1.5	
			1.90				2.0	
						End of Pit at 1.90m	2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
1.60						General Remarks: Soakaway Test Performed.	Logged By: JY	
0.60							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable						Method/Plant Used: JCB 3CX		
Shoring: N/A								

clarkebond		Trial Pit Log					Trial Pit No.: TP07	
Project Name: New Farm, Warminster				Co-Ordinates: 387175 E 146212 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
1.00 1.00	D E		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)		
			0.80		Soft brown to grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk and flint nodules. (HEAD DEPOSITS)	0.5		
			1.60		Moderately weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0 1.5		
						End of Pit at 1.60m	1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0	
1.30 0.60					General Remarks: Soakaway Test Performed.			Logged By: JY
Stability: Stable								Approved By: TT
Shoring: N/A					Method/Plant Used: JCB 3CX			Scale: 1:25
								Sheet 1 of 1

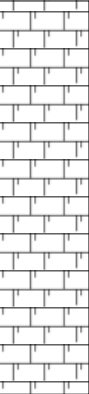
clarkebond						Trial Pit Log							Trial Pit No.: TP08	
Project Name: New Farm, Warminster						Co-Ordinates: 387077 E 146127 N							Start: 20/01/2021	
Project Number: E05548						Ground Level (m OD):							End: 21/01/2021	
Samples and In Situ Testing				Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well					
Depth (m)	Type	Results												
0.10	E		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)								
						Light grey to off white silty slightly gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5							
			0.80			Light grey to off white silty clayey GRAVEL of fine to coarse sub-angular to sub-rounded chalk and flint nodules. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)	1.0							
1.50	B						1.5							
			1.80			Moderately weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4)	2.0							
2.00	D		2.00			(WEST MELBURY MARLY CHALK FORMATION) End of Pit at 2.00m								
2.00	E						2.5							
							3.0							
							3.5							
							4.0							
							4.5							
							5.0							
2.00						General Remarks: No groundwater encountered.							Logged By: JY	
													Approved By: TT	
													Scale: 1:25	
Stability: Stable						Method/Plant Used: JCB 3CX							Sheet 1 of 1	
Shoring: N/A														

clarkebond		Trial Pit Log					Trial Pit No.: TP09	
Project Name: New Farm, Warminster				Co-Ordinates: 387149 E 146156 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
1.00	D		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5	
			1.30			Light grey to off white silty slightly gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)		
2.00	D		2.30			Moderately to highly weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.5	
						End of Pit at 2.30m	2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
1.70						General Remarks: No groundwater encountered.		Logged By: JY
0.60						Approved By: TT		
						Scale: 1:25		
Stability: Stable						Method/Plant Used: JCB 3CX		Sheet 1 of 1
Shoring: N/A								

clarkebond		Trial Pit Log					Trial Pit No.: TP10	
Project Name: New Farm, Warminster				Co-Ordinates: 387216 E 146184 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.10	E		0.15			Dark brown very sandy SILT with occasional rootlets observed. (TOPSOIL)		
					Light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk and flint nodules. (HEAD DEPOSITS)			
1.00	E		0.70			Highly weathered closely fissured very weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)		
			2.00			End of Pit at 2.00m		
2.10						General Remarks: No groundwater encountered.	Logged By: JY	
0.60							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable						Method/Plant Used: JCB 3CX		
Shoring: N/A								

clarkebond		Trial Pit Log					Trial Pit No.: TP11		
Project Name: New Farm, Warminster				Co-Ordinates: 387122 E 146221 N			Start: 20/01/2021		
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021		
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
1.00	D		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
						Light grey to off white clayey silty GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)			
1.50	E		0.90			Moderately weathered closely fissured weak light grey silty CHALK with chalky clay along fissures. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0		
							1.5		
			1.60		End of Pit at 1.60m			2.0	
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.70					General Remarks: No groundwater encountered. Refusal on Chalk at 1.6m.			Logged By: JY	
0.60								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX				
Shoring: N/A									

clarkebond			Trial Pit Log					Trial Pit No.: TP12	
Project Name: New Farm, Warminster				Co-Ordinates: 387180 E 146298 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
1.00 1.00	D E		0.10			Dark brown very sandy SILT with occasional rootlets observed. (TOPSOIL) Soft to firm light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5		
			0.80						1.0
			2.00			End of Pit at 2.00m	2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.60					General Remarks: No groundwater encountered.			Logged By: JY	
0.60								Approved By: TT	
Stability: Stable					Method/Plant Used: JCB 3CX			Scale: 1:25	
Shoring: N/A								Sheet 1 of 1	

clarkebond			Trial Pit Log					Trial Pit No.: TP13	
Project Name: New Farm, Warminster				Co-Ordinates: 387102 E 146267 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
1.00	E		0.20			Dark brown very sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
			0.70			Light grey to off white clayey silty GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)			
2.00	E		2.00			Highly weathered closely fissured very weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0		
							1.5		
						End of Pit at 2.00m	2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.80 0.60						General Remarks: No groundwater encountered.	Logged By: JY		
							Approved By: TT		
							Scale: 1:25		
							Sheet 1 of 1		
Stability: Stable						Method/Plant Used: JCB 3CX			
Shoring: N/A									

clarkebond				Trial Pit Log			Trial Pit No.: TP14	
Project Name: New Farm, Warminster				Co-Ordinates: 386996 E 146227 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.10	E		0.10			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)		
0.60	D					Soft to firm light grey silty very gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5	
1.00	D					Moderately weathered closely fissured weak light grey silty CHALK with chalky clay along fissures. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0	
			1.70			End of Pit at 1.80m	1.5	
			1.80				2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
1.80					General Remarks: No groundwater encountered. Refusal on Chalk at 1.2m.		Logged By: JY	
0.60							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX			
Shoring: N/A								

clarkebond			Trial Pit Log					Trial Pit No.: TP15	
Project Name: New Farm, Warminster				Co-Ordinates: 386953 E 146285 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.60	D		0.10			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
			0.70			Soft to firm light grey silty very gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)			
1.50	D		1.70			Moderately to highly weathered closely fissured very weak to weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0		
									1.5
						End of Pit at 1.70m	2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.90						General Remarks: No groundwater encountered. Refusal on Chalk at 1.7m.	Logged By: JY		
0.60							Approved By: TT		
							Scale: 1:25		
							Sheet 1 of 1		
Stability: Stable						Method/Plant Used: JCB 3CX			
Shoring: N/A									

clarkebond			Trial Pit Log					Trial Pit No.: TP16	
Project Name: New Farm, Warminster				Co-Ordinates: 387012 E 146420 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.60	D		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5		
			0.80			Soft to firm light grey silty very gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)			
1.00	B					Highly weathered closely fissured very weak light grey silty CHALK with lenses of friable chalky clay. (Grade C4) (WEST MELBURY MARLY CHALK FORMATION)	1.0		
			2.00			End of Pit at 2.00m	2.0		
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
1.76					General Remarks: Soakaway Test Performed.			Logged By: JY	
0.60								Approved By: TT	
Stability: Stable					Method/Plant Used: JCB 3CX			Scale: 1:25	
Shoring: N/A								Sheet 1 of 1	

clarkebond		Trial Pit Log					Trial Pit No.: TP17		
Project Name: New Farm, Warminster				Co-Ordinates: 387089 E 146485 N			Start: 20/01/2021		
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021		
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
0.60	D		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)			
1.00	D					Soft to firm light grey silty very gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5		
1.00	E						1.0		
							1.5		
			1.80			Moderately weathered closely fissured moderately weak light grey silty CHALK with chalky clay along fissures. (Grade C4)	2.0		
			1.90			(WEST MELBURY MARLY CHALK FORMATION)			
						End of Pit at 1.90m			
							2.5		
							3.0		
							3.5		
							4.0		
							4.5		
							5.0		
2.00					General Remarks: No groundwater encountered. Refusal on Chalk at 1.8m.			Logged By: JY	
0.60								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX				
Shoring: N/A									

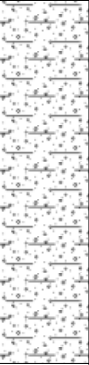
clarkebond		Trial Pit Log					Trial Pit No.: TP18	
Project Name: New Farm, Warminster			Co-Ordinates: 386973 E 146450 N			Start: 20/01/2021		
Project Number: E05548			Ground Level (m OD):			End: 21/01/2021		
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.10	E		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)		
						Soft to firm light grey silty very gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5	
1.00	D		1.10			Light grey to off white clayey silty GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)	1.0	
1.50	B						1.5	
			1.80			End of Pit at 1.80m	1.80	
							2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
2.10					General Remarks: Heavy seepage/groundwater encountered at 1.8m. Refusal on Chalk at 1.8m.		Logged By: JY	
0.60							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX			
Shoring: N/A								

clarkebond		Trial Pit Log					Trial Pit No.: TP19	
Project Name: New Farm, Warminster				Co-Ordinates: 387125 E 146453 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.70 1.00 1.00	D D E		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0	
			0.80			Soft light grey silty slightly gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)		
					1.60			
					End of Pit at 1.60m			
2.00					General Remarks: No groundwater encountered. Refusal on Chalk at 1.9m.		Logged By: JY	
0.60							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX			
Shoring: N/A								

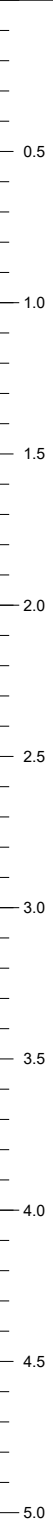
clarkebond			Trial Pit Log				Trial Pit No.: TP20	
Project Name: New Farm, Warminster			Co-Ordinates: 387067 E 146447 N				Start: 20/01/2021	
Project Number: E05548			Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.80 0.80	D E		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0	
						Soft light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)		
			0.90			Moderately weathered closely fissured moderately weak light grey silty CHALK with chalky clay along fissures. (Grade C4)		
			1.20			(WEST MELBURY MARLY CHALK FORMATION) End of Pit at 1.20m		
1.80 0.60					General Remarks: No groundwater encountered. Refusal on Chalk at 1.2m.			Logged By: JY
Stability: Stable								Approved By: TT
Shoring: N/A					Method/Plant Used: JCB 3CX			Scale: 1:25
								Sheet 1 of 1

clarkebond		Trial Pit Log					Trial Pit No.: TP21	
Project Name: New Farm, Warminster				Co-Ordinates: 387044 E 146392 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
1.00	D		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5	
						Soft to firm light grey silty friable CLAY. (HEAD DEPOSITS)		
1.50	D		1.00			Light grey silty very clayey GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)	1.0	
2.00	D		2.10			End of Pit at 2.10m	1.5	
2.00	E						2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
0.60 2.20						General Remarks: No groundwater encountered. Refusal on Chalk at 2.0m.		Logged By: JY
								Approved By: TT
								Scale: 1:25
						Stability: Stable		Method/Plant Used: JCB 3CX
Shoring: N/A								

clarkebond		Trial Pit Log					Trial Pit No.: TP22	
Project Name: New Farm, Warminster				Co-Ordinates: 387142 E 146375 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.10	E		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)		
0.70	D		0.80			Light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5	
1.20	D		1.40			Light grey silty very clayey GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)	1.0	
						End of Pit at 1.40m	1.5	
							2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
2.40 0.60						General Remarks: No groundwater encountered. Refusal on Chalk at 1.4m.	Logged By: JY	
							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable						Method/Plant Used: JCB 3CX		
Shoring: N/A								

clarkebond		Trial Pit Log					Trial Pit No.: TP23	
Project Name: New Farm, Warminster				Co-Ordinates: 387011 E 146320 N			Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):			End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
1.00	D		0.20			Dark brown sandy silt with brick fragments. (MADE GROUND)	0.5	
						Soft light grey sandy gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)		
1.50	D		1.30			Light grey clayey sandy GRAVEL of fine to coarse sub-angular to sub-rounded chalk and flint nodules. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)	1.5	
2.00	B		2.50			End of Pit at 2.50m	2.0	
							2.5	
0.60 2.10						General Remarks: No groundwater encountered.	3.0	Logged By: JY
							3.5	
							4.0	
							4.5	
Stability: Stable							5.0	Approved By: TT
Shoring: N/A						Method/Plant Used: JCB 3CX		Scale: 1:25
								Sheet 1 of 1

clarkebond			Trial Pit Log				Trial Pit No.: TP24	
Project Name: New Farm, Warminster			Co-Ordinates: 387160 E 146236 N				Start: 20/01/2021	
Project Number: E05548			Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results						
0.70	D		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5	
						Light grey clayey silty GRAVEL of fine to coarse sub-angular to sub-rounded chalk and flint nodules. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)		
1.00	D		2.00				1.0	
1.00	E							
1.50	B						1.5	
						End of Pit at 2.00m	2.0	
							2.5	
							3.0	
							3.5	
							4.0	
							4.5	
							5.0	
1.80					General Remarks: No groundwater encountered.		Logged By: JY	
0.60							Approved By: TT	
							Scale: 1:25	
							Sheet 1 of 1	
Stability: Stable					Method/Plant Used: JCB 3CX			
Shoring: N/A								

clarkebond			Trial Pit Log					Trial Pit No.: TP25	
Project Name: New Farm, Warminster				Co-Ordinates: 386921 E 146468 N				Start: 20/01/2021	
Project Number: E05548				Ground Level (m OD):				End: 21/01/2021	
Samples and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results							
			0.20			Grass over, dark brown sandy SILT with occasional rootlets. (TOPSOIL)			
			0.80			Soft dark brown sandy CLAY. (HEAD DEPOSITS)			
					2.00				Firm light grey to brown sandy gravelly CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)
			End of Pit at 2.00m						
0.60 1.90						General Remarks: No groundwater encountered.		Logged By: JY	
								Approved By: TT	
								Scale: 1:25	
								Sheet 1 of 1	
Stability: Stable						Method/Plant Used: JCB 3CX			
Shoring: N/A									



TP01



TP01 Arisings



TP02



TP02 Arisings



TP03



TP03 Arisings



TP04



TP04 Arisings



TP05



TP05 Arisings



TP07



TP07 Arisings



TP08



TP08 Arisings



TP09



TP09 Arisings

clarkebond



TP10



TP10 Arisings



TP11



TP11 Arisings



TP12



TP12 Arisings



TP13



TP13 Arisings



TP14



TP14 Arisings



TP16



TP16 Arisings

clarkebond



TP25

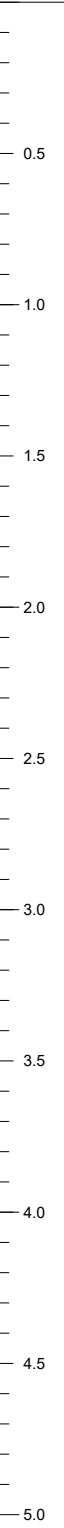


TP25 Arisings

clarkebond				Windowless Sample Borehole Log					Borehole No.: WS01			
Project Name: New Farm, Warminster				Co-Ordinates: 387023.00 E 146205.00 N					Start: 29/01/2021			
Project Number: E05548				Ground Level:					End: 29/01/2021			
Samples and In Situ Testing			Casing/ Water Depth	Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well			
Depth (m)	Type	Results										
0.10	E	HVR=50		0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL) Firm medium strength light grey silty friable CLAY. (HEAD DEPOSITS)	0.5				
0.50 0.60	D											
1.00	SPT	50 (25 for 135mm/50 for 40mm)		1.00			Very dense light grey clayey silty GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (WEATHERED WEST MELBURY MARLY CHALK FORMATION) End of Borehole at 1.00m	1.0				
								1.5				
								2.0				
								2.5				
								3.0				
								3.5				
								4.0				
								4.5				
								5.0				
Drilling Run Details					Water Strikes				General Remarks:		Logged By:	
Depth Top (m)	Depth Base (m)	Diameter (mm)	Sample Recovery (%)	Remarks	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	No groundwater encountered. Refusal on Chalk at 1.0m.		JY	
											Approved By:	
											TT	
											Scale:	
											1:25	
Method/Plant Used: Archway Dart Rig									Sheet 1 of 1			

clarkebond				Windowless Sample Borehole Log					Borehole No.: WS02			
Project Name: New Farm, Warminster					Co-Ordinates: 387151.00 E 146173.00 N					Start: 29/01/2021		
Project Number: E05548					Ground Level:					End: 29/01/2021		
Samples and In Situ Testing				Casing/ Water Depth	Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well		
Depth (m)	Type	Results										
1.00 1.00 1.00	SPT D E	N=10 (3,3/2,2,3,3)			0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)	0.5 1.0			
								Soft light grey silty gravelly friable CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)				
								Very dense light grey clayey gravelly fine-grained SAND. Gravel of fine to coarse sub-angular to sub-rounded. (Grade Dm) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)				
2.00	SPT	N=50 (3,3/50 for 275mm)			2.00		End of Borehole at 2.00m					
									2.0 2.5 3.0 3.5 4.0 4.5 5.0			
Drilling Run Details					Water Strikes				General Remarks: No groundwater encountered. Refusal on Chalk at 2.0m.		Logged By: JY	
Depth Top (m)	Depth Base (m)	Diameter (mm)	Sample Recovery (%)	Remarks	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks			Approved By: TT	
										Scale: 1:25		
Method/Plant Used: Archway Dart Rig									Sheet 1 of 1			

clarkebond				Windowless Sample Borehole Log					Borehole No.: WS03		
Project Name: New Farm, Warminster					Co-Ordinates: 387193.00 E 146259.00 N					Start: 29/01/2021	
Project Number: E05548					Ground Level:					End: 29/01/2021	
Samples and In Situ Testing				Casing/ Water Depth	Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results									
0.10	E			0.20			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL) Very dense light grey slightly clayey sandy GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)	0.5			
1.00	SPT	N=50 (4,9/50 for 255mm)		1.50				1.0			
							End of Borehole at 1.50m	1.5			
								2.0			
								2.5			
								3.0			
								3.5			
								4.0			
								4.5			
								5.0			
Drilling Run Details				Water Strikes				General Remarks:		Logged By:	
Depth Top (m)	Depth Base (m)	Diameter (mm)	Sample Recovery (%)	Remarks	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	No groundwater encountered. Refusal on Chalk at 1.5m.		JY
											Approved By: TT
											Scale: 1:25
									Method/Plant Used: Archway Dart Rig		Sheet 1 of 1

clarkebond				Windowless Sample Borehole Log					Borehole No.: WS04		
Project Name: New Farm, Warminster						Co-Ordinates: 387069.00 E 146283.00 N				Start: 29/01/2021	
Project Number: E05548						Ground Level:				End: 29/01/2021	
Samples and In Situ Testing					Casing/ Water Depth	Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well
Depth (m)	Type	Results									
1.00 1.00 1.00	SPT D E	N=50 (9,10/50 for 260mm)			0.30	1.30		Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL)			
								Very dense light grey clayey sandy GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION)			
							End of Borehole at 1.30m				
Drilling Run Details					Water Strikes				General Remarks:		Logged By:
Depth Top (m)	Depth Base (m)	Diameter (mm)	Sample Recovery (%)	Remarks	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	No groundwater encountered. Refusal on Chalk at 1.3m.	JY	
										Approved By:	
										TT	
										Scale:	
										1:25	
Method/Plant Used: Archway Dart Rig										Sheet 1 of 1	

clarkebond				Windowless Sample Borehole Log					Borehole No.: WS05		
Project Name: New Farm, Warminster					Co-Ordinates: 386948.00 E 146366.00 N					Start: 29/01/2021	
Project Number: E05548					Ground Level:					End: 29/01/2021	
Samples and In Situ Testing				Casing/ Water Depth	Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well	
Depth (m)	Type	Results									
0.10	E	50 (25 for 125mm/50 for 240mm)						Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL) Firm dark brown to grey silty CLAY. (HEAD DEPOSITS) Stiff light grey silty gravelly CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS) End of Borehole at 1.00m			
0.20											
0.50	D										
0.70											
1.00	SPT										
1.00	D										
1.00	E										
Drilling Run Details					Water Strikes				General Remarks:		Logged By:
Depth Top (m)	Depth Base (m)	Diameter (mm)	Sample Recovery (%)	Remarks	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	No groundwater encountered. Refusal on Chalk at 1.0m.	JY	
										Approved By:	
										TT	
										Scale:	
									Method/Plant Used: Archway Dart Rig	1:25	Sheet 1 of 1

clarkebond				Windowless Sample Borehole Log					Borehole No.: WS06			
Project Name: New Farm, Warminster				Co-Ordinates: 387122.00 E 146437.00 N					Start: 29/01/2021			
Project Number: E05548				Ground Level:					End: 29/01/2021			
Samples and In Situ Testing			Casing/ Water Depth	Depth (m)	Level (m OD)	Legend	Stratum Description	Water Strike	Well			
Depth (m)	Type	Results										
0.50 0.50	D	HVR=32		0.15			Dark brown sandy SILT with occasional rootlets observed. (TOPSOIL) Soft low strength light grey silty slightly gravelly CLAY. Gravel of fine to coarse sub-angular to sub-rounded chalk. (HEAD DEPOSITS)	0.5				
0.80	D			0.90								
1.00	SPT	N=50 (12,11/50 for 235mm)		1.10			Very dense light grey clayey sandy GRAVEL of fine to coarse sub-angular to sub-rounded chalk. (Grade Dc) (WEATHERED WEST MELBURY MARLY CHALK FORMATION) End of Borehole at 1.10m	1.0				
								1.5				
								2.0				
								2.5				
								3.0				
								3.5				
								4.0				
								4.5				
								5.0				
Drilling Run Details					Water Strikes				General Remarks:		Logged By:	
Depth Top (m)	Depth Base (m)	Diameter (mm)	Sample Recovery (%)	Remarks	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	Groundwater struck at 1.0m. Refusal on Chalk at 1.1m.		JY	
					1.00						Approved By: TT	
											Scale: 1:25	
									Method/Plant Used: Archway Dart Rig		Sheet 1 of 1	

clarkebond

Test Location : **TP03**
Test No : **1**
Date : **21/01/20**

TRIAL PIT SOAKAWAY

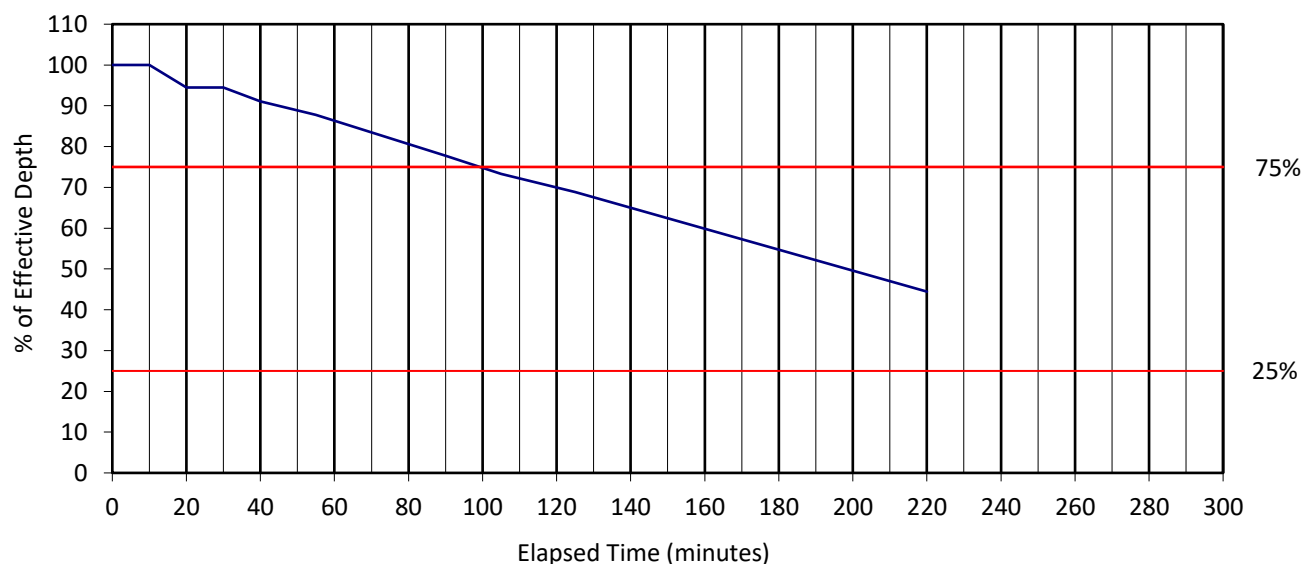
Diagram illustrating the dimensions of a Trial Pit Soakaway. The diagram shows a cross-section of the pit with the following labels and dimensions:

- Pit depth:** The total depth of the pit.
- Depth to water:** The depth from the water level (WL) to the bottom of the pit.
- Effective depth:** The depth of the water head, divided into two sections:
 - 75% Effective Depth (top section)
 - 25% Effective Depth (bottom section)
- Ground Level (GL):** Indicated by a downward-pointing triangle on the right.
- Water Level (WL):** Indicated by a downward-pointing triangle inside the pit.

Trial Pit Length	=	1.70 m
Trial Pit Width	=	0.60 m
Trial Pit Depth	=	1.60 m
Effective depth (Head of Water)	=	0.90 m

	% of effective depth		
	75%	25%	
Depth	0.93	1.38	m bgl
Head	0.68	0.23	m
Time	100	-	minutes
V_{p75-25}	=	0.46	m ³
a_{p50}	=	3.09	m ²
t_{p75-25}	=	-	min

Soil Infiltration rate, f = - m/sec
- mm/hr



Remarks:

IN SITU TESTING - Soakaway Test

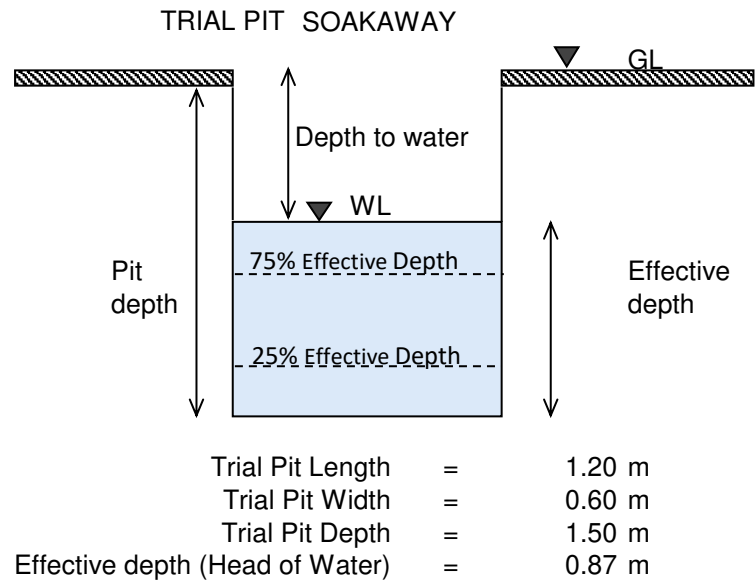
clarkebond

Project: **New Farm, Warminster**
 Project No: **E05548**
 Client: **Barratt Homes Bristol**

Test Location : **TP04**
 Test No : **1**
 Date : **20/01/21**

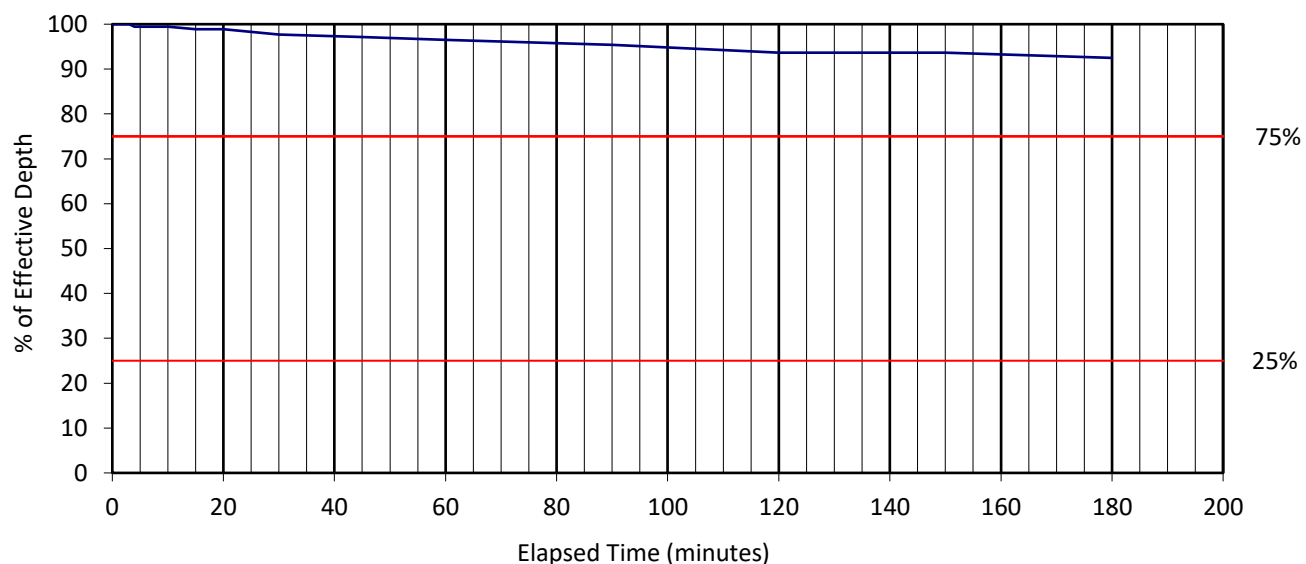
ELAPSED TIME (minutes)	DEPTH to water below ground level (m)	HEAD (m)	HEAD (% effective depth)
0.00	0.64	0.87	100
1	0.64	0.87	100
2	0.64	0.87	100
3	0.64	0.87	100
4	0.64	0.86	99
5	0.64	0.86	99
7	0.64	0.86	99
10	0.64	0.86	99
15	0.65	0.86	99
20	0.65	0.86	99
30	0.66	0.85	98
45	0.66	0.84	97
60	0.67	0.84	97
90	0.68	0.83	95
120	0.69	0.81	94
150	0.69	0.81	94
180	0.70	0.80	92

t_{p75}	=	-	minutes
t_{p25}	=	-	minutes



	% of effective depth	
	75%	25%
Depth	0.85	1.28 m bgl
Head	0.65	0.22 m
Time	-	- minutes
V_{p75-25}	=	0.31 m ³
a_{p50}	=	2.28 m ²
t_{p75-25}	=	- min

Soil Infiltration rate, f = - m/sec
 - mm/hr



Remarks:

IN SITU TESTING - Soakaway Test

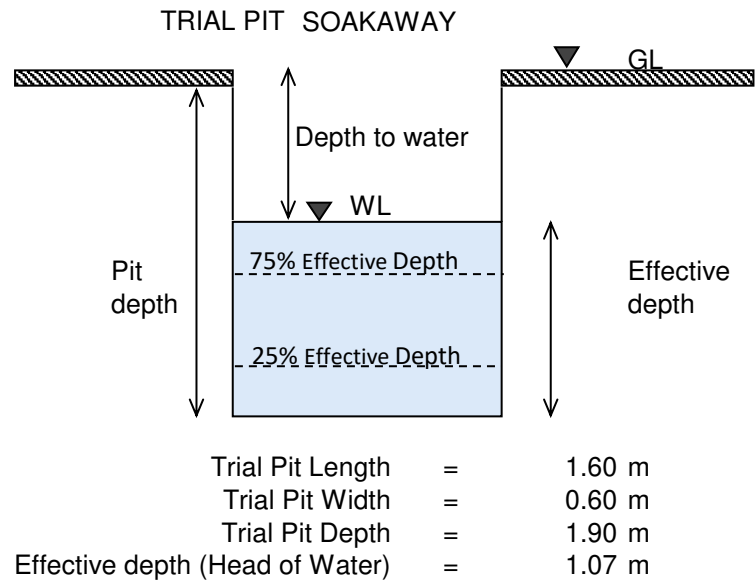
clarkebond

Project: **New Farm, Warminster**
 Project No: **E05548**
 Client: **Barratt Homes Bristol**

Test Location : **TP06**
 Test No : **1**
 Date : **20/01/21**

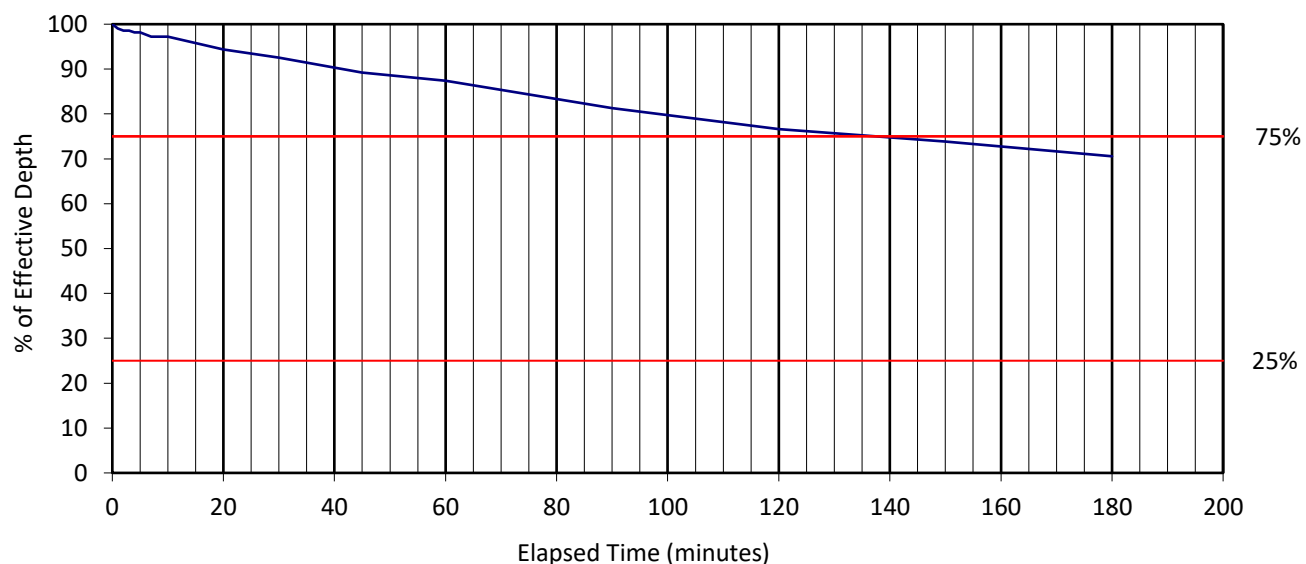
ELAPSED TIME (minutes)	DEPTH to water below ground level (m)	HEAD (m)	HEAD (% effective depth)
0	0.83	1.07	100
1	0.84	1.06	99
2	0.85	1.06	99
3	0.85	1.06	99
4	0.85	1.05	98
5	0.85	1.05	98
7	0.86	1.04	97
10	0.86	1.04	97
15	0.88	1.03	96
20	0.89	1.01	94
30	0.91	0.99	93
45	0.95	0.96	89
60	0.97	0.94	87
90	1.03	0.87	81
120	1.08	0.82	77
150	1.11	0.79	74
180	1.15	0.76	71

t_{p75}	=	135	minutes
t_{p25}	=	-	minutes



	% of effective depth	
	75%	25%
Depth	1.10	1.63
Head	0.80	0.27
Time	135	-
V_{p75-25}	=	0.51 m ³
a_{p50}	=	3.31 m ²
t_{p75-25}	=	- min

Soil Infiltration rate, f = - m/sec
 - mm/hr



Remarks:

IN SITU TESTING - Soakaway Test

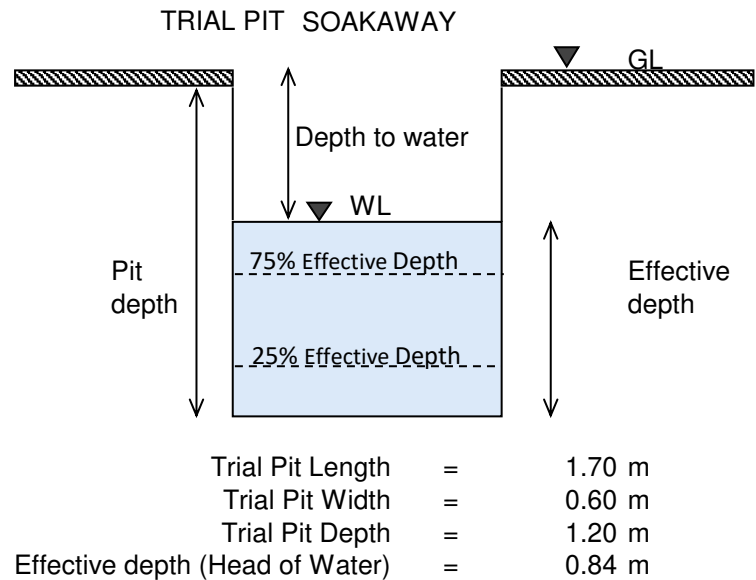
clarkebond

Project: **New Farm, Warminster**
 Project No: **E05548**
 Client: **Barratt Homes Bristol**

Test Location : **TP05**
 Test No : **1**
 Date : **20/01/21**

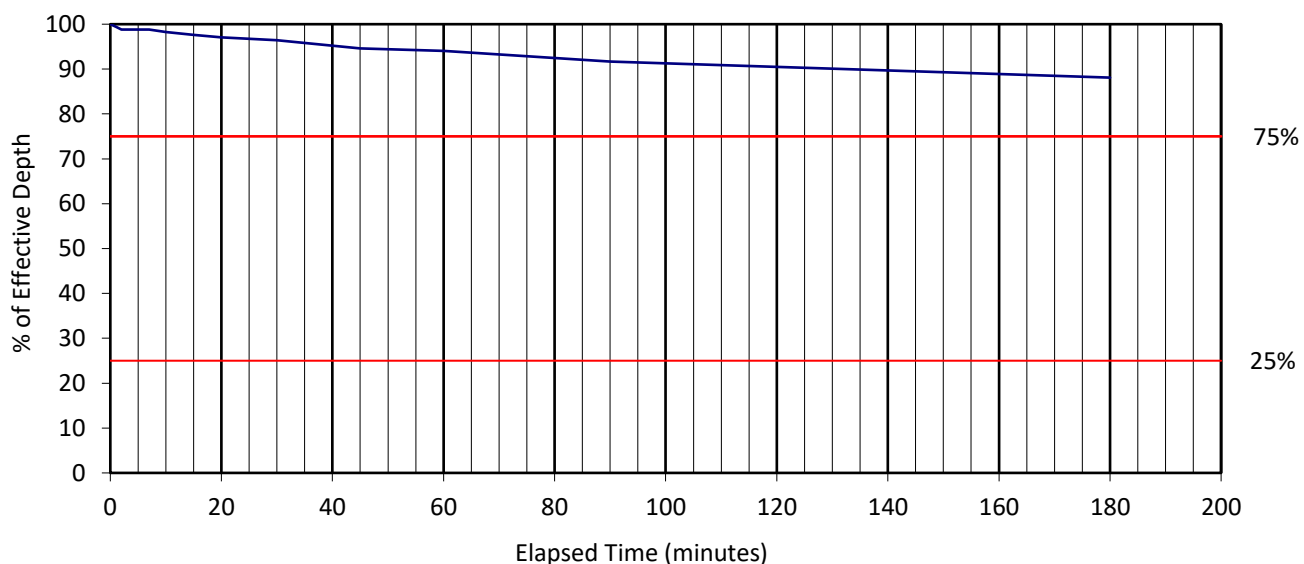
ELAPSED TIME (minutes)	DEPTH to water below ground level (m)	HEAD (m)	HEAD (% effective depth)
0	0.36	0.84	100
1	0.37	0.84	99
2	0.37	0.83	99
3	0.37	0.83	99
4	0.37	0.83	99
5	0.37	0.83	99
7	0.37	0.83	99
10	0.38	0.83	98
15	0.38	0.82	98
20	0.39	0.82	97
30	0.39	0.81	96
45	0.41	0.80	95
60	0.41	0.79	94
90	0.43	0.77	92
120	0.44	0.76	90
150	0.45	0.75	89
180	0.46	0.74	88

t_{p75}	=	32	minutes
t_{p25}	=	-	minutes



	% of effective depth		
	75%	25%	
Depth	0.57	0.99	m bgl
Head	0.63	0.21	m
Time	32	-	minutes
V_{p75-25}	=	0.43	m ³
a_{p50}	=	2.95	m ²
t_{p75-25}	=	-	min

Soil Infiltration rate, f = - m/sec
 - mm/hr



Remarks:

IN SITU TESTING - Soakaway Test

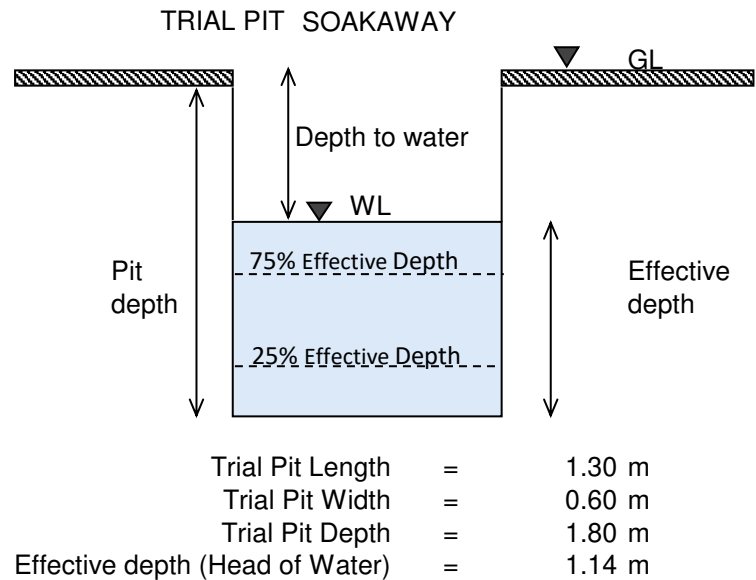
clarkebond

Project: **New Farm, Warminster**
 Project No: **E05548**
 Client: **Barratt Homes Bristol**

Test Location : **TP07**
 Test No : **1**
 Date : **20/01/21**

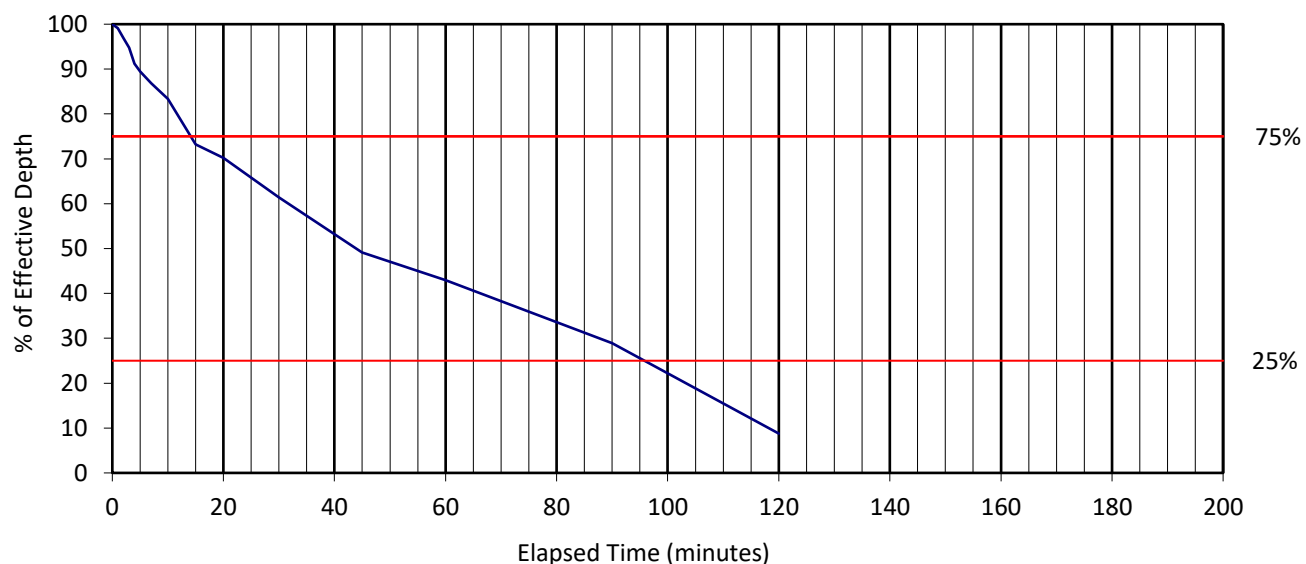
ELAPSED TIME (minutes)	DEPTH to water below ground level (m)	HEAD (m)	HEAD (% effective depth)
0	0.66	1.14	100
1	0.67	1.13	99
2	0.70	1.11	97
3	0.72	1.08	95
4	0.76	1.04	91
5	0.78	1.02	89
7	0.81	0.99	87
10	0.85	0.95	83
15	0.97	0.84	73
20	1.00	0.80	70
30	1.10	0.70	61
45	1.24	0.56	49
60	1.31	0.49	43
90	1.47	0.33	29
120	1.70	0.10	9

t_{p75}	=	15	minutes
t_{p25}	=	95	minutes



	% of effective depth	
	75%	25%
Depth	0.95	1.52 m bgl
Head	0.86	0.29 m
Time	15	95 minutes
V_{p75-25}	=	0.44 m ³
a_{p50}	=	2.95 m ²
t_{p75-25}	=	80 min

Soil Infiltration rate, f = **3.1E-05 m/sec**
113 mm/hr



Remarks:

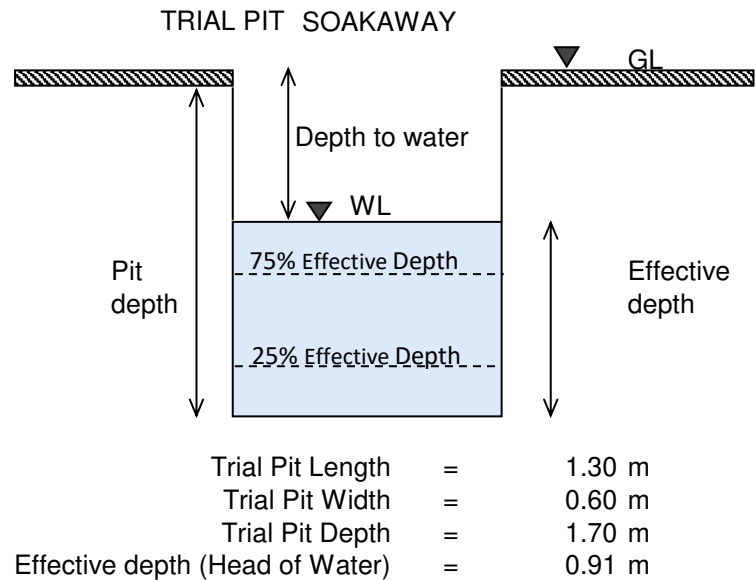
IN SITU TESTING - Soakaway Test

clarkebond

Project: **New Farm, Warminster**
 Project No: **E05548**
 Client: **Barratt Homes Bristol**

Test Location : **TP07**
 Test No : **2**
 Date : **20/01/21**

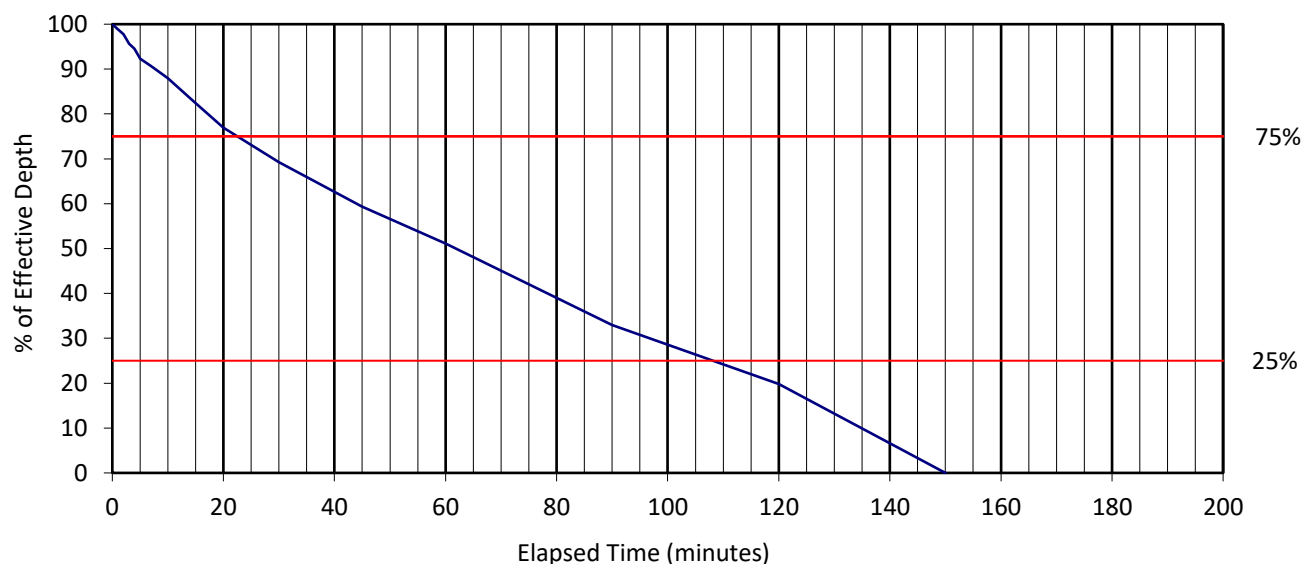
ELAPSED TIME (minutes)	DEPTH to water below ground level (m)	HEAD (m)	HEAD (% effective depth)
0	0.79	0.91	100
1	0.80	0.90	99
2	0.81	0.89	98
3	0.83	0.87	96
4	0.84	0.86	95
5	0.86	0.84	92
7	0.88	0.83	91
10	0.90	0.80	88
15	0.95	0.75	82
20	1.00	0.70	77
30	1.07	0.63	69
45	1.16	0.54	59
60	1.24	0.47	51
90	1.40	0.30	33
120	1.52	0.18	20
150	1.70	0.00	0



	% of effective depth	
	75%	25%
Depth	1.02	1.47
Head	0.68	0.23
Time	22	107
		minutes
V_{p75-25}	= 0.35 m ³	
a_{p50}	= 2.51 m ²	
t_{p75-25}	= 85 min	

t_{p75}	=	22	minutes
t_{p25}	=	107	minutes

Soil Infiltration rate, f = **2.8E-05 m/sec**
100 mm/hr



Remarks:

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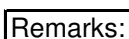
Test Location : **TP16**
Test No : **1**
Date : **21/01/21**

TRIAL PIT SOAKAWAY

The diagram illustrates a cross-section of a trial pit soakaway. The ground level (GL) is indicated by a hatched line at the top. The water level (WL) is shown as a triangle pointing down. The pit is divided into two sections: a blue-shaded section labeled "75% Effective Depth" and a white section labeled "25% Effective Depth". The total height from the bottom of the pit to the ground level is labeled "Pit depth". The height from the water level to the bottom of the pit is labeled "Effective depth".

Trial Pit Length	=	1.76 m
Trial Pit Width	=	0.60 m
Trial Pit Depth	=	2.00 m
Effective depth (Head of Water)	=	1.07 m

	% of effective depth		
	75%	25%	
Depth	1.20	1.73	m bgl
Head	0.80	0.27	m
Time	-	-	minutes
V_{p75-25}	=	0.56	m^3
a_{p50}	=	3.58	m^2
t_{p75-25}	=	-	min

[illegible]

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Groundwater Monitoring

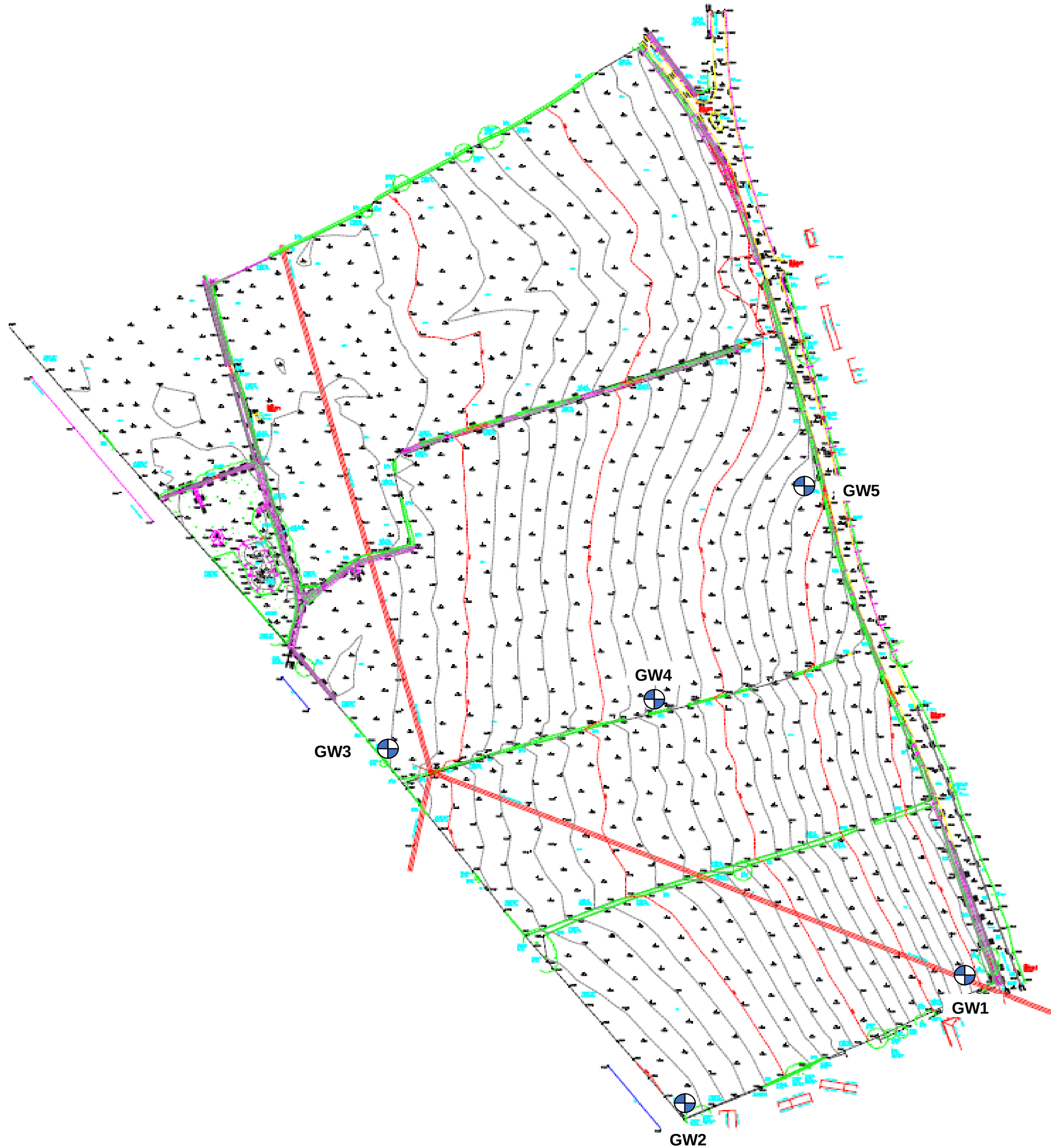
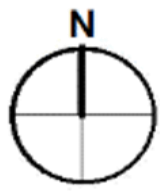
Engineering outstanding solutions for
community and place

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email bristol@clarkebond.com web
www.clarkebond.com

Site:	New Farm, Warminster
Client:	Barratt Bristol

Job no:	E05548
Engineer:	RW

BH Loc.	BH Ground Level (m OD)	Installed depth (m bgl)	03 Oct 23												Comments
GW01	125.50	14.50	Dry	< 111											
GW02	115.00	8.00	3.60	111.40											
GW03	114.00	8.00	2.76	111.24											
GW04	119.00	14.50	7.56	111.44											
GW05	122.00	18.00	11.85	110.15											



Hole Locations Approximate. Sizes exaggerated for clarity.

Locations positioned by hand held GPS.

Key



Monitoring Well September 2023

clarkebond

MULTIDISCIPLINARY ENGINEERING CONSULTANTS

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fax +44 (0) 117 929 3095
e-mail bristol@clarkebond.com
web www.clarkebond.com

Bristol Exeter London

Client

Barratt Homes Bristol

Project

New Farm, Warminster

Drawing Title

Groundwater monitoring well location plan

Purpose of Issue

Information

Clarkebond Project No.

E05548

Status

S2

Project

E05548

Originator

CLK

Volume

XX

Level

XX

Type

DR

Role

GE

Dwg No.

3

Scale

N/A

Date

27/09/2023

Revision

P1

Drawn

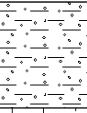
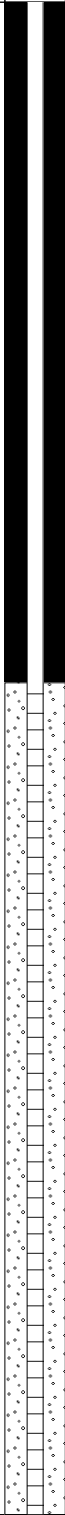
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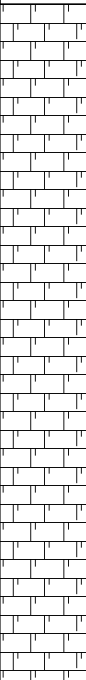
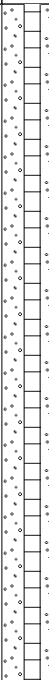
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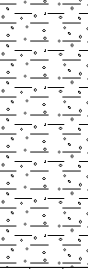
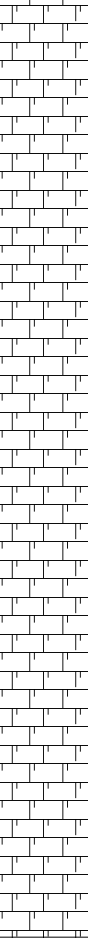
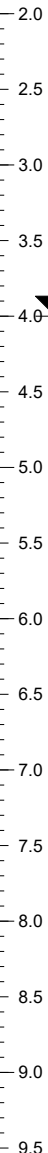
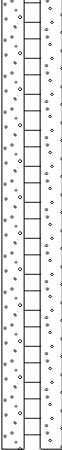
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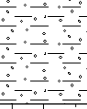
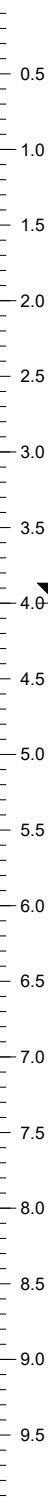
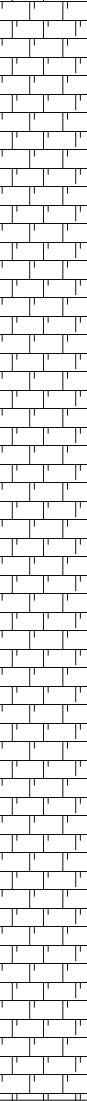
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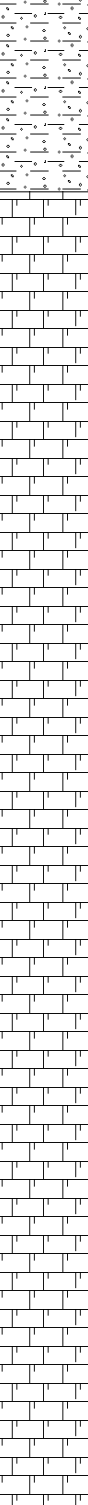
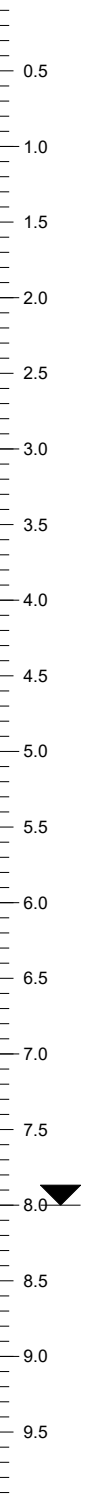
A3

clarkebond		Rotary Core Borehole Log								Borehole No.: GW01			
Project Name: New Farm, Warminster						Co-Ordinates: 387210.00 E 146198.00 N				Start: 18/09/2023			
Project Number: E05548						Ground Level: 125.50m OD				End: 18/09/2023			
Samples/Testing		Coring				F.I.	Depth	Level	Legend	Stratum Description	Water Strike	Well	
Depth (m) [Level (mOD)]	Type/ Result	Run	TCR	SCR	RQD								
							0.70	124.80		*Grey gravelly CLAY. (Open Holed) HEAD DEPOSIT	0.5		
									*Yellow and white marly CHALK. (Open Holed) WEST MELBURY MARLY CHALK FORMATION	1.0			
										1.5			
										2.0			
										2.5			
										3.0			
										3.5			
										4.0			
										4.5			
										5.0			
										5.5			
										6.0			
										6.5			
										7.0			
										7.5			
										8.0			
										8.5			
										9.0			
										9.5			
Drilling Flush Details						Water Strikes				General Remarks: Elevation estimated to the nearest 0.5m using Topographic Survey (Drawing Ref: 371/11790/1D). *Descriptions based on drillers descriptions.		Logged By: RW	
Depth Top (m)	Depth Base (m)	Flush Type	Flush Return	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	Approved By: TT					
								Method/Plant Used: Commachio GEO 205		Scale: 1:50			
												Sheet 1 of 2	

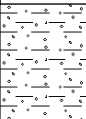
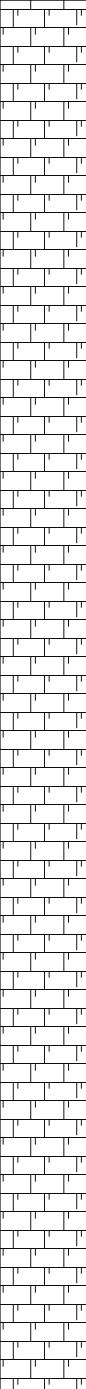
clarkebond		Rotary Core Borehole Log										Borehole No.: GW01	
Project Name: New Farm, Warminster							Co-Ordinates: 387210.00 E 146198.00 N					Start: 18/09/2023	
Project Number: E05548							Ground Level: 125.50m OD					End: 18/09/2023	
Samples/Testing		Coring				F.I.	Depth	Level	Legend	Stratum Description	Water Strike	Well	
Depth (m) [Level (mOD)]	Type/ Result	Run	TCR	SCR	RQD								
							14.50	111.00		*Yellow and white marly CHALK. (Open Holed) WEST MELBURY MARLY CHALK FORMATION			

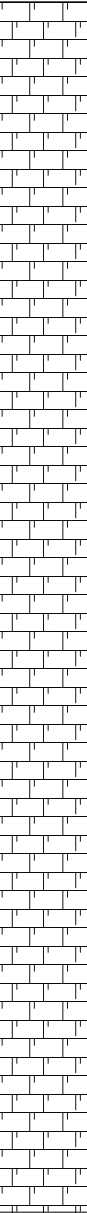
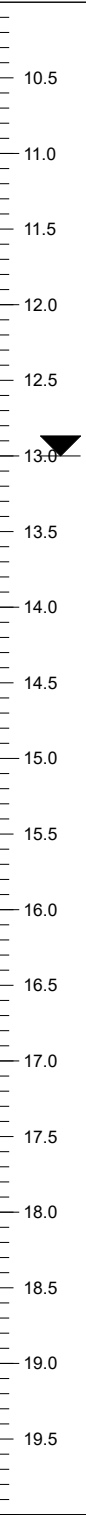
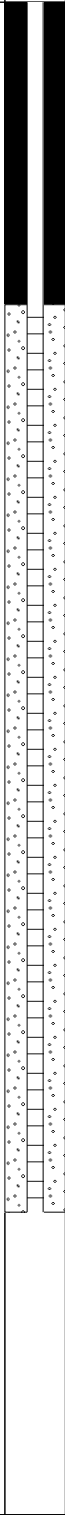
clarkebond		Rotary Core Borehole Log								Borehole No.: GW02			
Project Name: New Farm, Warminster						Co-Ordinates: 387070.00 E 146131.00 N				Start: 18/09/2023			
Project Number: E05548						Ground Level: 115.00m OD				End: 18/09/2023			
Samples/Testing		Coring				F.I.	Depth	Level	Legend	Stratum Description	Water Strike	Well	
Depth (m) [Level (mOD)]	Type/ Result	Run	TCR	SCR	RQD								
							1.80	113.20		*Grey gravelly CLAY. (Open Holed) HEAD DEPOSIT			
										*Yellow and white marly CHALK. (Open Holed) WEST MELBURY MARLY CHALK FORMATION			
							8.00	107.00					
Drilling Flush Details						Water Strikes				General Remarks:		Logged By:	
Depth Top (m)	Depth Base (m)	Flush Type	Flush Return		Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	Elevation estimated to the nearest 0.5m using Topographic Survey (Drawing Ref: 371/11790/1D). *Descriptions based on drillers descriptions.		RW		
					4.00						Approved By: TT		
									Method/Plant Used: Commachio GEO 205		Scale: 1:50		
											Sheet 1 of 1		

clarkebond		Rotary Core Borehole Log								Borehole No.: GW03			
Project Name: New Farm, Warminster						Co-Ordinates: 386930.00 E 146317.00 N				Start: 18/09/2023			
Project Number: E05548						Ground Level: 114.00m OD				End: 18/09/2023			
Samples/Testing		Coring				F.I.	Depth	Level	Legend	Stratum Description	Water Strike	Well	
Depth (m) [Level (mOD)]	Type/ Result	Run	TCR	SCR	RQD								
							0.70	113.30		*Grey gravelly CLAY. (Open Holed) HEAD DEPOSIT			
										*Yellow and white marly CHALK. (Open Holed) WEST MELBURY MARLY CHALK FORMATION			
							8.00	106.00					
Drilling Flush Details						Water Strikes				General Remarks: Elevation estimated to the nearest 0.5m using Topographic Survey (Drawing Ref: 371/11790/1D). *Descriptions based on drillers descriptions.		Logged By: RW	
Depth Top (m)	Depth Base (m)	Flush Type	Flush Return		Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	Approved By: TT				
					4.00				Method/Plant Used: Commachio GEO 205		Scale: 1:50		
												Sheet 1 of 1	

clarkebond		Rotary Core Borehole Log								Borehole No.: GW04			
Project Name: New Farm, Warminster						Co-Ordinates: 387065.00 E 146327.00 N				Start: 19/09/2023			
Project Number: E05548						Ground Level: 119.00m OD				End: 19/09/2023			
Samples/Testing		Coring				F.I.	Depth	Level	Legend	Stratum Description	Water Strike	Well	
Depth (m) [Level (mOD)]	Type/ Result	Run	TCR	SCR	RQD								
							1.30	117.70		*Grey gravelly CLAY. (Open Holed) HEAD DEPOSIT			
										*Yellow and white marly CHALK. (Open Holed) WEST MELBURY MARLY CHALK FORMATION			
Drilling Flush Details						Water Strikes				General Remarks:		Logged By:	
Depth Top (m)	Depth Base (m)	Flush Type	Flush Return	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	Elevation estimated to the nearest 0.5m using Topographic Survey (Drawing Ref: 371/11790/1D). *Descriptions based on drillers descriptions.				RW	
				8.00								Approved By: TT	
								Method/Plant Used: Commachio GEO 205				Scale: 1:50	
												Sheet 1 of 2	

clarkebond		Rotary Core Borehole Log								Borehole No.: GW04			
Project Name: New Farm, Warminster						Co-Ordinates: 387065.00 E 146327.00 N				Start: 19/09/2023			
Project Number: E05548						Ground Level: 119.00m OD				End: 19/09/2023			
Samples/Testing		Coring				F.I.	Depth	Level	Legend	Stratum Description	Water Strike	Well	
Depth (m) [Level (mOD)]	Type/ Result	Run	TCR	SCR	RQD								
							14.50	104.50		*Yellow and white marly CHALK. (Open Holed) WEST MELBURY MARLY CHALK FORMATION	10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5 18.0 18.5 19.0 19.5		
Drilling Flush Details						Water Strikes				General Remarks: Elevation estimated to the nearest 0.5m using Topographic Survey (Drawing Ref: 371/11790/1D). *Descriptions based on drillers descriptions. Method/Plant Used: Commachio GEO 205		Logged By: RW	
Depth Top (m)	Depth Base (m)	Flush Type	Flush Return	Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	Approved By: TT					
				8.00				Scale: 1:50					
								Sheet 2 of 2					

clarkebond		Rotary Core Borehole Log										Borehole No.: GW05	
Project Name: New Farm, Warminster							Co-Ordinates: 387133.00 E 146428.00 N					Start: 19/09/2023	
Project Number: E05548							Ground Level: 122.00m OD					End: 19/09/2023	
Samples/Testing		Coring				F.I.	Depth	Level	Legend	Stratum Description	Water Strike	Well	
Depth (m) [Level (mOD)]	Type/ Result	Run	TCR	SCR	RQD								
							0.80	121.20		*Grey gravelly CLAY. (Open Holed) HEAD DEPOSIT	0.5		
										*Yellow and white marly CHALK. (Open Holed) WEST MELBURY MARLY CHALK FORMATION	1.0		
											1.5		
											2.0		
											2.5		
											3.0		
											3.5		
											4.0		
											4.5		
											5.0		
											5.5		
											6.0		
											6.5		
											7.0		
											7.5		
											8.0		
											8.5		
											9.0		
											9.5		
Drilling Flush Details						Water Strikes				General Remarks: Elevation estimated to the nearest 0.5m using Topographic Survey (Drawing Ref: 371/11790/1D). *Descriptions based on drillers descriptions.		Logged By: RW	
Depth Top (m)	Depth Base (m)	Flush Type	Flush Return		Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	Approved By: TT				
					13.00				Scale: 1:50				
Method/Plant Used: Commachio GEO 205										Sheet 1 of 2			

clarkebond		Rotary Core Borehole Log								Borehole No.: GW05			
Project Name: New Farm, Warminster						Co-Ordinates: 387133.00 E 146428.00 N				Start: 19/09/2023			
Project Number: E05548						Ground Level: 122.00m OD				End: 19/09/2023			
Samples/Testing		Coring				F.I.	Depth	Level	Legend	Stratum Description	Water Strike	Well	
Depth (m) [Level (mOD)]	Type/ Result	Run	TCR	SCR	RQD								
							18.00	104.00		*Yellow and white marly CHALK. (Open Holed) WEST MELBURY MARLY CHALK FORMATION			
Drilling Flush Details						Water Strikes				General Remarks:		Logged By:	
Depth Top (m)	Depth Base (m)	Flush Type	Flush Return		Depth Struck (m)	Casing (m)	Depth Sealed (m)	Remarks	Elevation estimated to the nearest 0.5m using Topographic Survey (Drawing Ref: 371/11790/1D). *Descriptions based on drillers descriptions.		RW		
					13.00						Approved By:		
									Method/Plant Used: Commachio GEO 205		TT		
											Scale:		
											1:50		
											Sheet 2 of 2		