



Geo-Environmental
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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS03

Sheet 1 of 1

Project Name: Southwater Phase V

Project No.
GE17902

Co-ords: 515194E - 126191N

Hole Type
WLS

Location: Southwater

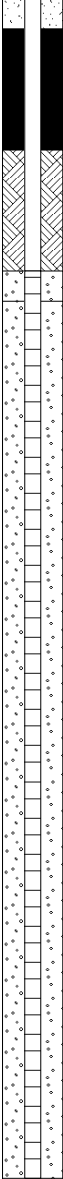
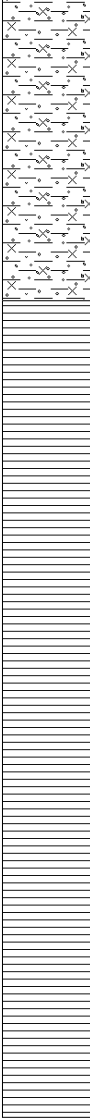
Level:

Scale
1:25

Client: Berkeley Homes Southern Limited

Dates: 10/01/2019

Logged By
LD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES	1.5kg/cm2	0.20		Brown slightly sandy silty clay with abundant fine roots (<1mm in dia.) and occasional ferruginous stained partings. TOPSOIL	1	
		0.20	PP						
		0.40	PP						2.5kg/cm2
		0.50	D						
		0.60	PP	2.5kg/cm2	1.20		Stiff to very stiff orangish brown greenish grey mottled slightly fine sandy silty CLAY with occasional ferruginous stained partings. WEALD CLAY	2	
		0.75	D						
		0.80	PP	2.0kg/cm2					...occasional decaying rootlets at 0.75m bgl
		1.00	D						
		1.00	PP	2.5kg/cm2					
		1.25	D						
		1.40	PP	2.8kg/cm2					
		1.50	D						
		1.75	D						
		1.80	PP	3.7kg/cm2					
		2.00	D						
		2.40	PP	3.2kg/cm2					
		2.50	D						
		2.80	PP	3.5kg/cm2					
		3.00	D						
		3.00	PP	4.0kg/cm2					
		3.50	D						
		3.90	D						
		3.90			3.90	End of Borehole at 3.90m			4
									5
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks			
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to				





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Borehole Log

WS04

Sheet 1 of 1

Project Name: Southwater Phase V

Project No.
GE17902

Co-ords: 515164E - 126149N

Hole Type	WLS
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Location:	Southwater
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Level:

Scale
1:25

Client: Berkeley Homes Southern Limited

Dates: 10/01/2019

Logged By
LD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.15	ES		0.15			Brown slightly sandy silty clay with abundant fine roots (<1mm in dia.) and occasional ferruginous stained partings. TOPSOIL	1 <



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS05

Sheet 1 of 1

Project Name: Southwater Phase V

Project No.
GE17902

Co-ords: 515119E - 126171N

Hole Type
WLS

Location: Southwater

Level:

Scale
1:25

Client: Berkeley Homes Southern Limited

Dates: 10/01/2019

Logged By
LD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.05 - 0.15	ES					Brown slightly sandy silty clay with abundant fine roots (<1mm in dia.) and occasional ferruginous stained partings. TOPSOIL	
		0.30	PP	2.0kg/cm2	0.20			Stiff to very stiff orangish brown greenish grey mottled slightly silty CLAY with occasional ferruginous stained partings. WEALD CLAY	
		0.40	PP	2.2kg/cm2					
		0.50	D						
		0.50	PP	2.2kg/cm2					
		0.60	PP	2.5kg/cm2					
		0.70	PP	2.3kg/cm2					
		0.75	D						
		0.80	PP	3.0kg/cm2					
		0.90	PP	3.5kg/cm2					
		1.00	D		1.00				
		1.00	PP	4.0kg/cm2					
		1.25	D						
		1.50	D						
		1.50	PP	2.0kg/cm2					
		1.75	D						
		2.00	D						
		2.00	PP	2.8kg/cm2					
		2.25	D						
		2.50	D						
		2.50	PP	4.0kg/cm2					
		2.70	D		2.70				
		2.70	PP	4.5kg/cm2					
								End of Borehole at 2.70m	



1
2
3
4
5

Casing

Water Strikes (mbgl)

Chiselling (mbgl)

Remarks

Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to
		1.90	1.50		





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS06

Sheet 1 of 1

Project Name: Southwater Phase V

Project No.
GE17902

Co-ords: 515067E - 126191N

Hole Type
WLS

Location: Southwater

Level:

Scale
1:25

Client: Berkeley Homes Southern Limited

Dates: 10/01/2019

Logged By
LD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.15	ES	3.0kg/cm2 2.0kg/cm2 1.8kg/cm2 1.8kg/cm2 1.8kg/cm2 2.0kg/cm2 2.0kg/cm2 1.6kg/cm2 2.0kg/cm2	0.25			Brown slightly sandy silty clay with abundant fine roots (<1mm in dia.) and occasional ferruginous stained partings. TOPSOIL	1
		0.25	D						
		0.30	PP						
		0.40	PP						
		0.50	D						
		0.50	PP						
		0.60	PP						
		0.70	PP						
		0.75	D						
		0.80	PP						
		0.90	PP						
		1.00	D						
		1.00	PP						
		1.20	PP						
		1.25	D						
		1.50	D						
		1.60	PP						
		1.75	D						
		1.80	PP						
		2.00	D						
		2.00	PP						
		2.50	D						
		2.50	PP						
		3.00	D						
		3.00	PP						
3.30	D								
							Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	2	

Casing

Water Strikes (mbgl)

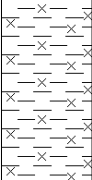
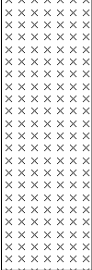
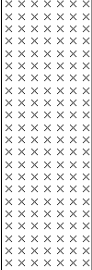
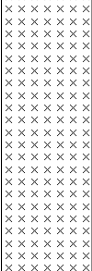
Chiselling (mbgl)

Remarks

Diameter Depth (m) Depth Strike Rose to Depth from Depth to



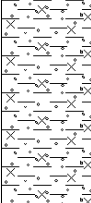
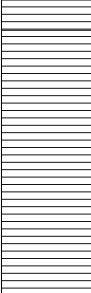
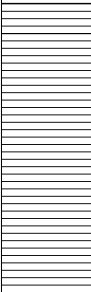
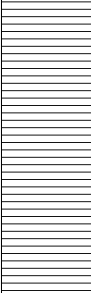
 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS07 Sheet 1 of 1	
Project Name: Southwater Phase V		Project No. GE17902		Co-ords: 515020E - 126208N		Hole Type WLS	
Location: Southwater				Level:		Scale 1:25	
Client: Berkeley Homes Southern Limited				Dates: 11/01/2019		Logged By LD	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.20	 Brown slightly sandy silty Clay with abundant fine roots (<1mm in dia.) and occasional ferruginous stained partings. TOPSOIL	Stiff to very stiff orangish brown greenish grey mottled slightly silty CLAY with occasional ferruginous stained partings. WEALD CLAY		
		0.30	PP	1.5kg/cm2					
		0.40	PP	1.5kg/cm2			Stiff to very stiff light grey brown weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	1	
		0.50	D						
		0.50	PP	1.0kg/cm2			Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	2	
		0.60	PP	1.0kg/cm2					
		0.70	PP	1.5kg/cm2			Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	3	
		0.75	D						
		0.80	PP	2.0kg/cm2	0.95		Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	4	
		0.90	PP	2.5kg/cm2					
		1.00	D				Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	5	
		1.25	D						
		1.50	D		1.90		Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY		
		1.50	PP	4.0kg/cm2					
		1.80	PP	4.2kg/cm2			Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY		
		2.00	D						
		2.50	D		4.00		Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY		
		3.00	D						
		3.50	D				Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY		
		4.00	D						
End of Borehole at 4.00m									

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS08 Sheet 1 of 1	
Project Name: Southwater Phase V		Project No. GE17902		Co-ords: 514987E - 126146N		Hole Type WLS	
Location: Southwater				Level:		Scale 1:25	
Client: Berkeley Homes Southern Limited				Dates: 11/01/2019		Logged By LD	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.15	ES		0.20		Brown slightly sandy silty clay with abundant fine roots (<1mm in dia.). TOPSOIL		
		0.25	D						
		0.30	PP	2.0kg/cm2					
		0.40	PP	1.5kg/cm2					
		0.50	D		0.90		Stiff to very stiff orangish brown greenish grey mottled slightly fine sandy silty CLAY with occasional ferruginous stained partings. WEALD CLAY		
		0.50	PP	1.0kg/cm2					
		0.60	PP	2.0kg/cm2					
		0.70	PP	2.5kg/cm2					
		0.75	D		0.90		Stiff to very stiff light grey brown weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	1	
		0.80	PP	3.0kg/cm2					
		0.90	PP	3.5kg/cm2					
		1.00	D						
		1.00	PP	2.5kg/cm2	1.90 1.90		Stiff to very stiff light grey brown weakly cemented SILTSTONE with partings of very stiff clay. WEALD CLAY	2	
		1.25	D						
		1.50	D						
		1.50	PP	2.5kg/cm2					
		1.80	PP	2.8kg/cm2	1.90 1.90		Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	3	
		2.00	D						
		2.40	PP	4.0kg/cm2					
		2.50	D						
		2.80	PP	3.5kg/cm2	4.00 4.00		Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	4	
		3.00	D						
		3.50	D						
		4.00	D						
							End of Borehole at 4.00m		5

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	





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Borehole Log

WS09

Sheet 1 of 1

Project Name: Southwater Phase V

Project No.
GE17902

Co-ords: 515060E - 126111N

Hole Type	WLS
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Location: Southwater

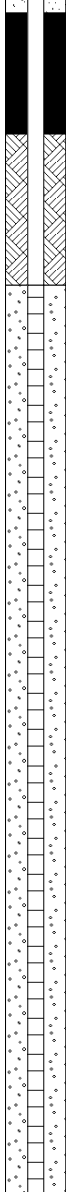
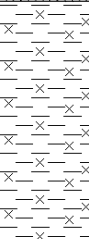
Level:

Scale
1:25

Client: Berkeley Homes Southern Limited

Dates: 11/01/2019

Logged By
LD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.15	ES		0.20		Brown slightly sandy silty clay with abundant fine roots (<1mm in dia.) and occasional ferruginous stained partings. TOPSOIL	1	
		0.30	D						
		0.30	PP	2.5kg/cm2					
		0.40	PP	1.5kg/cm2					
		0.50	D		1.00		Stiff to very stiff orangish brown greenish grey mottled slightly silty CLAY with occasional ferruginous stained partings. WEALD CLAY		
		0.50	PP	1.8kg/cm2					
		0.60	PP	1.5kg/cm2					
		0.70	PP	1.5kg/cm2					
		0.75	D						
		0.80	PP	1.8kg/cm2					
		0.90	PP	1.8kg/cm2					
		1.00	D						
		1.00	PP	1.8kg/cm2					
		1.20	PP	1.5kg/cm2					
		1.25	D						
		1.40	PP	2.0kg/cm2					
		1.50	D						
		1.60	PP	2.0kg/cm2					
		1.75	D						
		1.80	PP	3.0kg/cm2					
2.00	D		3.00		Stiff to very stiff light grey brown weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	2			
2.50	D								
3.00	D								
3.50	D								
4.00	D		4.00		Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	3			
							End of Borehole at 4.00m	4	
									5

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS11

Sheet 1 of 1

Project Name: Southwater Phase V

Project No.
GE17902

Co-ords: 514977E - 126081N

Hole Type
WLS

Location: Southwater

Level:

Scale
1:25

Client: Berkeley Homes Southern Limited

Dates: 11/01/2019

Logged By
LD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.10 - 0.25	ES		0.30			Brown slightly sandy silty Clay with abundant fine roots (<1mm in dia.) and occasional ferruginous stained partings. TOPSOIL		
		0.40	PP	1.5kg/cm2				Stiff to very stiff orangish brown greenish grey mottled slightly shaley silty CLAY with occasional ferruginous stained partings. WEALD CLAY		
		0.50	D		0.80			Stiff to very stiff orangish brown greenish grey mottled weakly cemented MUDSTONE with partings of very stiff clay and occasional ferruginous stained partings. WEALD CLAY	1	
		0.50	PP	1.5kg/cm2						
		0.60	PP	1.0kg/cm2						
		0.70	PP	1.2kg/cm2						
		0.75	D							
		0.80	PP	1.0kg/cm2						
		0.90	PP	2.5kg/cm2						
		1.00	D							
		1.00	PP	2.7kg/cm2						
		1.20	PP	4.0kg/cm2	1.60			Stiff to very stiff reddish brown becoming pale yellow weakly cemented MUDSTONE with partings of very stiff clay. WEALD CLAY	2	
		1.25	D							
		1.40	PP	4.0kg/cm2						
		1.50	D							
		1.60	PP	4.6kg/cm2						
		1.75	D							
		2.00	D							
		2.50	D							
		3.00	D		4.00			End of Borehole at 4.00m	3	
		3.50	D							
		4.00	D							
										4
										5
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks				
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to					





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS12

Sheet 1 of 1

Project Name: Southwater Phase V

Project No.
GE17902

Co-ords: 515052E - 126055N

Hole Type
WLS

Location: Southwater

Level:

Scale
1:25

Client: Berkeley Homes Southern Limited

Dates: 11/01/2019

Logged By
LD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.05 - 0.20	ES					Brown slightly sandy silty clay with abundant fine roots (<1mm in dia.) and occasional ferruginous stained partings. TOPSOIL	
		0.28 - 0.48	D		0.28			Stiff to very stiff orangish brown greenish grey mottled shaley silty CLAY with occasional ferruginous stained partings, and rare rootlets WEALD CLAY	
		0.30	PP	1.5kg/cm2					
		0.35	D						
		0.40	PP	2.0kg/cm2	0.48				
		0.50	D						
		0.50	PP	2.0kg/cm2	0.63				
		0.60	PP	0.6kg/cm2					
		0.70	PP	1.0kg/cm2					
		0.75	D						
		0.90	PP	1.5kg/cm2					
		1.00	D						1
		1.25	D						
		1.50	D						
		1.75	D						
		2.00	D						2
		2.50	D						
		3.00	D						3
		3.50	D						
					4.00				4
								End of Borehole at 4.00m	
									5

Casing

Water Strikes (mbgl)

Chiselling (mbgl)

Remarks

Diameter

Depth (m)

Depth Strike

Rose to

Depth from

Depth to



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS13 Sheet 1 of 1	
Project Name: Southwater Phase V		Project No. GE17902		Co-ords: 514984E - 126019N		Hole Type WLS	
Location: Southwater				Level:		Scale 1:25	
Client: Berkeley Homes Southern Limited				Dates: 14/01/2019		Logged By KOD	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.30		Dark brown silty clay with abundant rootlets (<1mm) and rare gravel. Gravel is fine sub angular siltstone. TOPSOIL		
		0.50	D		0.70		Stiff orange brown and grey mottled silty CLAY with grey siltstone inclusions of fine gravel size. WEALD CLAY		
		0.50	PP	2.3kg/cm2					
		0.90	PP	2.5kg/cm2	1.20		Stiff to very stiff orange brown and grey mottled silty CLAY with orange stained and slightly fissured tabular siltstone inclusions. WEALD CLAY	1	
		1.00	D						
		1.10	PP	3.0kg/cm2					
		1.50	D		1.90		Slightly fissured reddish brown and orange brown tabular MUDSTONE with black ferruginous staining and occasional stiff grey silty clay partings. WEALD CLAY		
		2.00	D				Fissured reddish brown/orange brown and grey tabular MUDSTONE with black ferruginous staining and rare stiff grey silty clay partings. WEALD CLAY <i>...rare rootlets at 2.00m bgl</i>	2	
		2.50	D						
		3.00	D					3	
		3.50	D						
		4.00	D		4.00		End of Borehole at 4.00m	4	
								5	

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks	
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to		

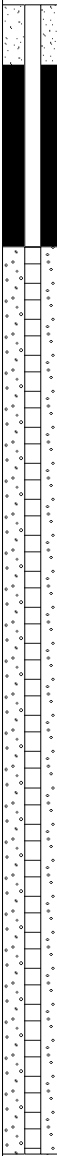
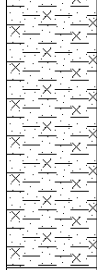
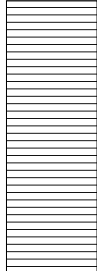
 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS14 Sheet 1 of 1	
Project Name: Southwater Phase V		Project No. GE17902		Co-ords: 515056E - 125996N		Hole Type WLS	
Location: Southwater				Level:		Scale 1:25	
Client: Berkeley Homes Southern Limited				Dates: 14/01/2019		Logged By KOD	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES				Dark brown silty clay with abundant rootlets and some black ferruginous fragments TOPSOIL		
		0.35	PP		0.30		Orange brown silty CLAY with abundant reddish black ferruginous stained siltstone inclusions. WEALD CLAY Stiff orange brown and grey mottled silty CLAY with some siltstone inclusions WEALD CLAY		
		0.50	D		0.40				
		0.60	PP	2.0kg/cm2					
		1.00	D				Orange brown with some blue grey MUDSTONE with some black ferruginous staining. WEALD CLAY	1	
		1.00	PP	4.3kg/cm2	1.10				
		1.50	D						
					1.80		Orange brown, reddish brown and grey brown fissured MUDSTONE with occasional firm blue grey clay partings. WEALD CLAY	2	
		2.00	D						
		2.50	D						
		3.00	D					3	
		3.50	D						
		4.00	D		4.00		End of Borehole at 4.00m	4	
								5	

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS15 Sheet 1 of 1	
Project Name: Southwater Phase V		Project No. GE17902		Co-ords: 515114E - 125959N		Hole Type WLS	
Location: Southwater				Level:		Scale 1:25	
Client: Berkeley Homes Southern Limited				Dates: 14/01/2019		Logged By KOD	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.15	ES	2.7kg/cm2	0.30		Dark brown silty clay with abundant rootlets and some black ferruginous fragments. TOPSOIL		
		0.40	PP						
		0.50	ES						
		0.60	D	3.4kg/cm2	1.20		Stiff to very stiff orange brown and grey mottled sandy silty CLAY with reddish black tabular siltstone inclusions, and occasional rootlets to 1.00m bgl WEALD CLAY		
		0.90	PP						
		1.00	D						
		1.50	D	2.10		Brown, reddish orange brown and grey mottled fissured MUDSTONE with reddish brown to black iron staining. WEALD CLAY			
		2.00	D						
		2.50	D						
		3.00	D	3.70		Orange brown to dark grey fissured MUDSTONE with reddish brown ferruginous staining. WEALD CLAY			
	3.50	D							
	3.80 - 4.00	D							
					3.80		Grey fissured MUDSTONE with reddish orange ferruginous stained partings. WEALD CLAY		
End of Borehole at 3.80m									

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	





Geo-Environmental
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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS16

Sheet 1 of 1

Project Name: Southwater Phase V

Project No.
GE17902

Co-ords: 515025E - 125962N

Hole Type
WLS

Location: Southwater

Level:

Scale
1:25

Client: Berkeley Homes Southern Limited

Dates: 14/01/2019

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.30			Dark brown silty slightly gravelly clay with abundant rootlets and black ferruginous fragments. Gravel is fine sub angular siltstone. TOPSOIL	
		0.50	D					Stiff orange brown and grey mottled shaley sandy silty CLAY with fissured tabular ferruginous stained siltstone intrusions of fine to coarse gravel size. WEALD CLAY	
		0.50	PP	2.2kg/cm2	0.70			Stiff orange brown and grey mottled silty CLAY with black ferruginous fragments and rare tabular siltstone inclusions of fine gravel size. WEALD CLAY	
		1.00	D		1.00			Stiff orange brown and grey mottled silty CLAY with tabular siltstone inclusions of fine gravel size and some soft blue grey clay partings. WEALD CLAY	1
		1.00	PP	1.8kg/cm2				Stiff orange brown and grey mottled silty CLAY with tabular siltstone inclusions of fine gravel size and some soft blue grey clay partings. WEALD CLAY	
		1.50	D		1.60			Reddish brown to grey brown fissured MUDSTONE with some reddish black and orange ferruginous staining. WEALD CLAY	
		1.50	PP	2.5kg/cm2				Reddish brown to grey brown fissured MUDSTONE with some reddish black and orange ferruginous staining. WEALD CLAY	
		2.00	D					Reddish brown to grey brown fissured MUDSTONE with some reddish black and orange ferruginous staining. WEALD CLAY	2
		2.50	D					Reddish brown to grey brown fissured MUDSTONE with some reddish black and orange ferruginous staining. WEALD CLAY	
		3.00	D					Reddish brown to grey brown fissured MUDSTONE with some reddish black and orange ferruginous staining. WEALD CLAY	3
		3.50	D					Reddish brown to grey brown fissured MUDSTONE with some reddish black and orange ferruginous staining. WEALD CLAY	
		4.00	D		4.00			Reddish brown to grey brown fissured MUDSTONE with some reddish black and orange ferruginous staining. WEALD CLAY	4
								End of Borehole at 4.00m	
									5
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks			
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to				





Geo-Environmental

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
www.gesl.net

Borehole Log

Borehole No.

WS17

Sheet 1 of 1

Project Name: Southwater Phase V

Project No.
GE17902

Co-ords: 515116E - 125917N

Hole Type
WLS

Location: Southwater

Level:

Scale
1:25

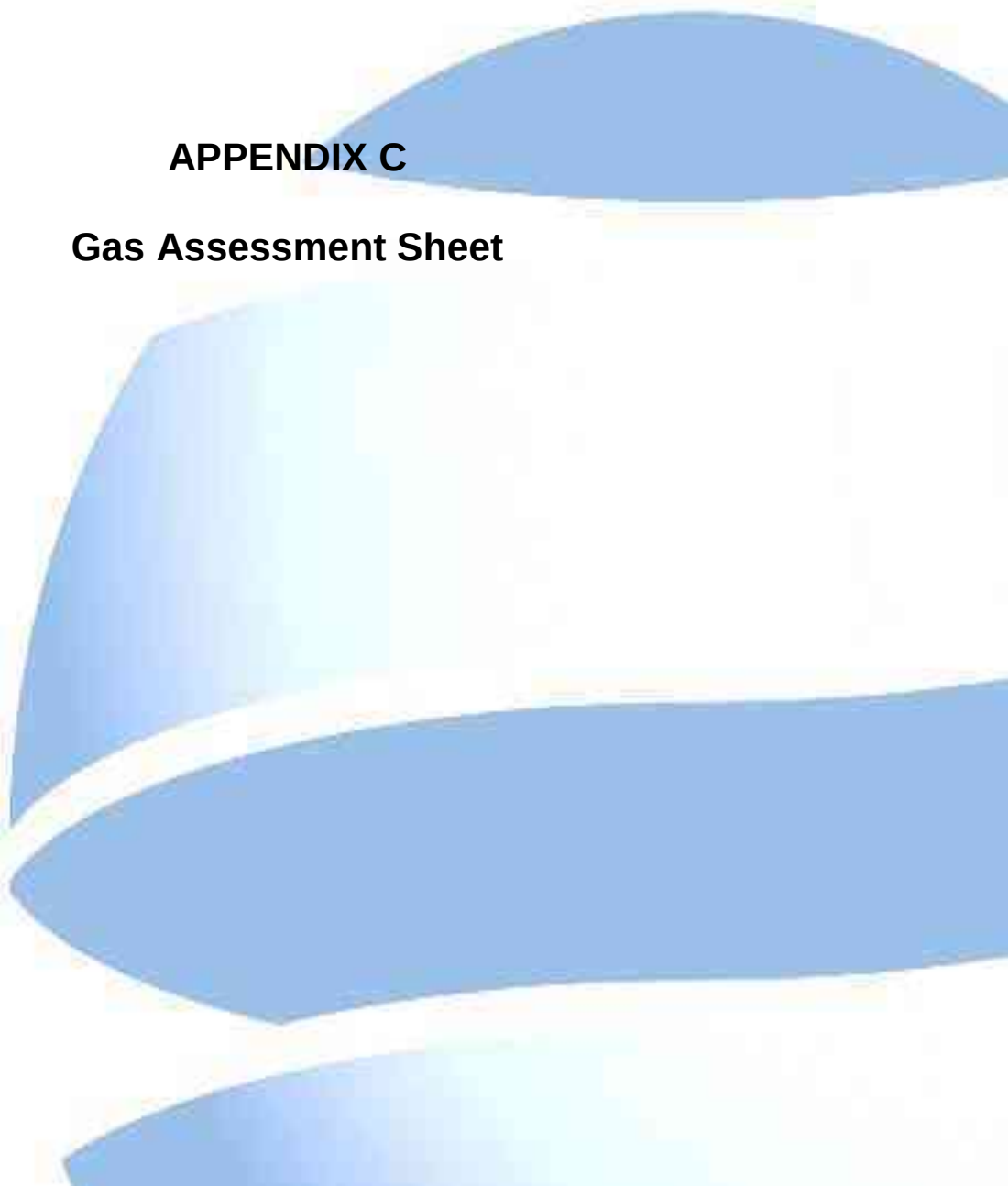
Client: Berkeley Homes Southern Limited

Dates: 14/01/2019

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.30			Dark brown silty clay with abundant rootlets and black ferruginous fragments. TOPSOIL	
		0.50	D					Stiff orange brown and grey mottled shaley silty CLAY with abundant black ferruginous fragments. WEALD CLAY	
		0.50	PP	2.0kg/cm2					
		0.70	PP	1.9kg/cm2	0.70				
		1.00	D					Orange brown and reddish brown fissured MUDSTONE with some firm blue grey clay partings. WEALD CLAY	1
		1.40	D		1.30				
		2.00	D					Orange brown and grey brown mottled fissured MUDSTONE with reddish brown to black and orange ferruginous staining. WEALD CLAY	2
		2.50	D						
		3.00	D		2.70			Orange brown, grey and reddish brown fissured ferruginous stained MUDSTONE. WEALD CLAY	3
		3.50	D						
		4.00	D		4.00				4
								End of Borehole at 4.00m	5
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks			
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to				





APPENDIX C

Gas Assessment Sheet

Project: Southwater Phase V
Ref: GE 17902
Client: Berkeley Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS01	23/01/19	0	0.0	0.0	20.4	0.0	0.0	1001	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/01/19	10	0.0	0.0	20.3	0.0	0.0	1001	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/01/19	20	0.0	0.0	20.3	0.0	0.0	1001	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/01/19	30	0.0	0.0	20.2	0.0	0.0	1001	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/01/19	60	0.0	0.0	20.2	0.0	0.0	1001	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/01/19	90	0.0	0.0	20.2	0.0	0.0	1001	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/01/19	120	0.0	0.0	20.2	0.0	0.0	1001	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	23/01/19	180	0.0	0.0	20.2	0.0	0.0	1001	0.54	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/01/19	0	0.0	0.0	20.9	0.1	0.0	1001	1.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/01/19	10	0.0	0.2	20.8	0.1	0.0	1001	1.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/01/19	20	0.0	1.1	20.2	0.1	0.0	1001	1.30	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/01/19	30	0.0	1.5	18.5	0.1	0.0	1001	1.30	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/01/19	60	0.0	1.5	17.2	0.1	0.0	1001	1.30	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/01/19	90	0.0	1.5	17.2	0.1	0.0	1001	1.30	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/01/19	120	0.0	1.5	17.2	0.1	0.0	1001	1.30	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	23/01/19	180	0.0	1.5	17.2	0.1	0.0	1001	1.30	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	23/01/19	0	0.0	0.0	20.7	0.0	0.0	1001	2.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	23/01/19	10	0.0	0.4	20.7	0.0	0.0	1001	2.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	23/01/19	20	0.0	0.9	20.3	0.0	0.0	1001	2.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	23/01/19	30	0.0	0.9	20.0	0.0	0.0	1001	2.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	23/01/19	60	0.1	0.9	19.9	0.0	0.0	1001	2.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	23/01/19	90	0.1	0.8	19.9	0.0	0.0	1001	2.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	23/01/19	120	0.1	0.6	20.0	0.0	0.0	1001	2.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	23/01/19	180	0.1	0.5	20.2	0.0	0.0	1001	2.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/01/19	0	0.0	0.0	20.6	0.0	0.0	1001	2.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/01/19	10	0.0	0.4	20.4	0.0	0.0	1001	2.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/01/19	20	0.0	2.8	19.5	0.0	0.0	1001	2.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/01/19	30	0.0	2.6	17.6	0.0	0.0	1001	2.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/01/19	60	0.0	2.9	16.7	0.0	0.0	1001	2.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/01/19	90	0.0	1.6	18.6	0.0	0.0	1001	2.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/01/19	120	0.0	1.3	19.5	0.0	0.0	1001	2.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	23/01/19	180	0.0	1.1	19.8	0.0	0.0	1001	2.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/01/19	0	0.0	0.0	20.8	0.0	0.0	1001	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/01/19	10	0.0	0.1	20.8	0.0	0.0	1001	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/01/19	20	0.0	0.6	20.3	0.0	0.0	1001	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/01/19	30	0.0	0.6	19.7	0.0	0.0	1001	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/01/19	60	0.0	0.6	19.5	0.0	0.0	1001	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/01/19	90	0.0	0.5	19.5	0.0	0.0	1001	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/01/19	120	0.0	0.5	19.5	0.0	0.0	1001	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	23/01/19	180	0.0	0.5	19.5	0.0	0.0	1001	1.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/19	0	0.0	0.0	20.5	0.0	0.0	1020	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/19	10	0.0	0.0	20.5	0.0	0.0	1020	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/19	20	0.0	0.0	20.5	0.0	0.0	1020	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/19	30	0.0	0.0	20.5	0.0	0.0	1020	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/19	60	0.0	0.0	20.5	0.0	0.0	1020	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/19	90	0.0	0.0	20.5	0.0	0.0	1020	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/19	120	0.0	0.0	20.5	0.0	0.0	1020	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	04/02/19	180	0.0	0.0	20.5	0.0	0.0	1020	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Southwater Phase V
 Ref: GE 17902
 Client: Berkeley Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS03	04/02/19	0						1018	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/02/19	10				-	-	1018	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/02/19	20				-	-	1018	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/02/19	30				-	-	1018	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/02/19	60				-	-	1018	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/02/19	90				-	-	1018	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/02/19	120				-	-	1018	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	04/02/19	180				-	-	1018	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/02/19	0	0.0	0.0	20.5	0.0	0.0	1015	1.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/02/19	10	0.0	0.0	20.5	0.0	0.0	1015	1.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/02/19	20	0.0	0.3	19.7	0.0	0.0	1015	1.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/02/19	30	0.0	0.4	18.1	0.0	0.0	1015	1.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/02/19	60	0.0	0.4	17.4	0.0	0.0	1015	1.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/02/19	90	0.0	0.4	17.3	0.0	0.0	1015	1.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/02/19	120	0.0	0.4	17.3	0.0	0.0	1015	1.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	04/02/19	180	0.0	0.4	17.3	0.0	0.0	1015	1.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/02/19	0	0.0	0.0	20.5	0.1	0.0	1015	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/02/19	10	0.0	0.0	20.5	0.1	0.0	1015	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/02/19	20	0.0	0.0	20.4	0.1	0.0	1015	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/02/19	30	0.0	0.0	20.4	0.1	0.0	1015	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/02/19	60	0.0	0.0	20.4	0.1	0.0	1015	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/02/19	90	0.0	0.0	20.4	0.1	0.0	1015	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/02/19	120	0.0	0.0	20.4	0.1	0.0	1015	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	04/02/19	180	0.0	0.0	20.4	0.1	0.0	1015	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	04/02/19	0	0.0	0.0	20.5	0.0	0.0	1016	2.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	04/02/19	10	0.0	0.3	20.4	0.0	0.0	1016	2.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	04/02/19	20	0.0	1.0	19.9	0.0	0.0	1016	2.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	04/02/19	30	0.0	1.0	19.5	0.0	0.0	1016	2.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	04/02/19	60	0.0	1.0	19.4	0.0	0.0	1016	2.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	04/02/19	90	0.0	0.9	19.4	0.0	0.0	1016	2.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	04/02/19	120	0.0	0.7	19.4	0.0	0.0	1016	2.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	04/02/19	180	0.0	0.4	19.4	0.0	0.0	1016	2.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	07/02/19	0	0.0	0.0	20.6	0.0	0.0	1005	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	07/02/19	10	0.0	0.0	20.6	0.0	0.0	1005	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	07/02/19	20	0.0	0.0	20.6	0.0	0.0	1005	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	07/02/19	30	0.0	0.0	20.6	0.0	0.0	1005	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	07/02/19	60	0.0	0.0	20.6	0.0	0.0	1005	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	07/02/19	90	0.0	0.0	20.6	0.0	0.0	1005	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	07/02/19	120	0.0	0.0	20.6	0.0	0.0	1005	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	07/02/19	180	0.0	0.0	20.6	0.0	0.0	1005	1.29	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	07/02/19	0	0.0	0.0	20.6	0.0	0.1	1006	0.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	07/02/19	10	0.0	0.0	20.5	0.0	0.1	1006	0.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	07/02/19	20	0.0	0.0	20.6	0.0	0.1	1006	0.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	07/02/19	30	0.0	0.0	20.6	0.0	0.1	1006	0.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	07/02/19	60	0.0	0.0	20.6	0.0	0.1	1006	0.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	07/02/19	90	0.0	0.0	20.6	0.0	0.1	1006	0.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	07/02/19	120	0.0	0.0	20.6	0.0	0.1	1006	0.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	07/02/19	180	0.0	0.0	20.6	0.0	0.1	1006	0.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Southwater Phase V
 Ref: GE 17902
 Client: Berkeley Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS15	07/02/19	0	0.0	0.0	20.6	0.0	0.0	1006	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	07/02/19	10	0.0	0.1	20.5	0.0	0.0	1006	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	07/02/19	20	0.0	0.7	20.3	0.0	0.0	1006	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	07/02/19	30	0.0	0.9	19.7	0.0	0.0	1006	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	07/02/19	60	0.0	0.9	19.3	0.0	0.0	1006	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	07/02/19	90	0.0	0.9	19.3	0.0	0.0	1006	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	07/02/19	120	0.0	0.9	19.3	0.0	0.0	1006	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	07/02/19	180	0.0	0.9	19.3	0.0	0.0	1006	2.14	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	07/02/19	0	0.0	0.0	20.4	1.3	0.0	1006	2.05	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	07/02/19	10	0.0	0.1	20.3	1.3	0.0	1006	2.05	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	07/02/19	20	0.0	1.4	19.3	1.3	0.0	1006	2.05	0.000	0.018	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	07/02/19	30	0.0	2.5	16.4	1.3	0.0	1006	2.05	0.000	0.033	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	07/02/19	60	0.0	3.8	11.0	1.3	0.0	1006	2.05	0.000	0.049	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	07/02/19	90	0.0	4.4	8.2	1.3	0.0	1006	2.05	0.000	0.057	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	07/02/19	120	0.0	4.2	7.0	1.3	0.0	1006	2.05	0.000	0.055	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	07/02/19	180	0.0	5.6	6.5	1.3	0.0	1006	2.05	0.000	0.073	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS09	07/02/19	0	0.0	0.0	20.5	0.1	0.0	1006	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	07/02/19	10	0.0	0.1	20.5	0.1	0.0	1006	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	07/02/19	20	0.0	0.5	19.8	0.1	0.0	1006	0.66	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	07/02/19	30	0.0	0.2	18.5	0.1	0.0	1006	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	07/02/19	60	0.0	0.2	17.4	0.1	0.0	1006	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	07/02/19	90	0.0	0.2	17.3	0.1	0.0	1006	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	07/02/19	120	0.0	0.2	17.0	0.1	0.0	1006	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	07/02/19	180	0.0	0.2	17.1	0.1	0.0	1006	0.66	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/02/19	0	0.0	0.0	20.2	0.1	0.0	1030	1.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/02/19	10	0.0	0.0	20.2	0.1	0.0	1030	1.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/02/19	20	0.0	2.0	19.6	0.1	0.0	1030	1.28	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/02/19	30	0.0	2.8	18.9	0.1	0.0	1030	1.28	0.000	0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/02/19	60	0.0	2.8	18.3	0.1	0.0	1030	1.28	0.000	0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/02/19	90	0.0	2.8	18.2	0.1	0.0	1030	1.28	0.000	0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/02/19	120	0.0	2.8	18.2	0.1	0.0	1030	1.28	0.000	0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/02/19	180	0.0	2.8	18.2	0.1	0.0	1030	1.28	0.000	0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	13/02/19	0	0.0	0.0	20.3	0.0	0.0	1030	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	13/02/19	10	0.0	0.2	20.3	0.0	0.0	1030	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	13/02/19	20	0.0	0.2	20.1	0.0	0.0	1030	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	13/02/19	30	0.0	0.2	20.1	0.0	0.0	1030	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	13/02/19	60	0.0	0.2	20.1	0.0	0.0	1030	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	13/02/19	90	0.0	0.2	20.1	0.0	0.0	1030	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	13/02/19	120	0.0	0.2	20.1	0.0	0.0	1030	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	13/02/19	180	0.0	0.2	20.1	0.0	0.0	1030	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	13/02/19	0	0.0	0.0	20.4	0.1	0.0	1030	2.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	13/02/19	10	0.0	0.0	20.4	0.1	0.0	1030	2.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	13/02/19	20	0.0	0.0	20.4	0.1	0.0	1030	2.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	13/02/19	30	0.0	0.0	20.4	0.1	0.0	1030	2.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	13/02/19	60	0.0	0.0	20.4	0.1	0.0	1030	2.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	13/02/19	90	0.0	0.0	20.4	0.1	0.0	1030	2.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	13/02/19	120	0.0	0.0	20.4	0.1	0.0	1030	2.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	13/02/19	180	0.0	0.0	20.4	0.1	0.0	1030	2.17	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Southwater Phase V
 Ref: GE 17902
 Client: Berkeley Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS03	13/02/19	0	0.0	0.0	20.2	0.8	0.1	1030	3.49	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	13/02/19	10	0.0	1.0	19.8	0.8	0.1	1030	3.49	0.000	0.008	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	13/02/19	20	0.0	6.3	13.7	0.8	0.1	1030	3.49	0.000	0.050	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS03	13/02/19	30	0.0	6.5	8.2	0.8	0.1	1030	3.49	0.000	0.052	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS03	13/02/19	60	0.0	6.5	6.4	0.8	0.1	1030	3.49	0.000	0.052	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS03	13/02/19	90	0.0	6.6	6.2	0.8	0.1	1030	3.49	0.000	0.053	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS03	13/02/19	120	0.0	6.6	6.2	0.8	0.1	1030	3.49	0.000	0.053	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS03	13/02/19	180	0.0	6.9	6.1	0.8	0.1	1030	3.49	0.000	0.055	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS09	13/02/19	0	0.0	0.0	20.2	0.1	0.0	1030	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	13/02/19	10	0.0	0.0	20.2	0.1	0.0	1030	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	13/02/19	20	0.0	0.3	20.0	0.1	0.0	1030	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	13/02/19	30	0.0	0.4	19.5	0.1	0.0	1030	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	13/02/19	60	0.0	0.4	19.1	0.1	0.0	1030	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	13/02/19	90	0.0	0.4	19.1	0.1	0.0	1030	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	13/02/19	120	0.0	0.4	19.1	0.1	0.0	1030	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	13/02/19	180	0.0	0.4	19.1	0.1	0.0	1030	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	20/02/19	0	0.0	0.0	20.8	0.1	0.0	1021	1.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	20/02/19	10	0.0	2.2	19.1	0.1	0.0	1021	1.26	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	20/02/19	20	0.0	2.2	19.1	0.1	0.0	1021	1.26	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	20/02/19	30	0.0	2.3	18.6	0.1	0.0	1021	1.26	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	20/02/19	60	0.0	2.4	18.5	0.1	0.0	1021	1.26	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	20/02/19	90	0.0	2.4	18.5	0.1	0.0	1021	1.26	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	20/02/19	120	0.0	2.4	18.5	0.1	0.0	1021	1.26	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	20/02/19	180	0.0	2.4	18.5	0.1	0.0	1021	1.26	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	20/02/19	0	0.0	0.0	21.2	0.1	0.0	1019	0.93	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	20/02/19	10	0.0	0.1	21.1	0.1	0.0	1019	0.93	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	20/02/19	20	0.0	0.2	20.8	0.1	0.0	1019	0.93	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	20/02/19	30	0.0	0.4	20.6	0.1	0.0	1019	0.93	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	20/02/19	60	0.0	0.4	20.5	0.1	0.0	1019	0.93	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	20/02/19	90	0.0	0.4	20.5	0.1	0.0	1019	0.93	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	20/02/19	120	0.0	0.4	20.5	0.1	0.0	1019	0.93	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	20/02/19	180	0.0	0.4	20.5	0.1	0.0	1019	0.93	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	20/02/19	0	0.0	0.0	21.2	0.1	0.0	1019	2.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	20/02/19	10	0.0	0.5	19.5	0.1	0.0	1019	2.18	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	20/02/19	20	0.0	0.8	16.8	0.1	0.0	1019	2.18	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	20/02/19	30	0.0	0.9	15.4	0.1	0.0	1019	2.18	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	20/02/19	60	0.0	1.0	14.7	0.1	0.0	1019	2.18	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	20/02/19	90	0.0	1.1	14.6	0.1	0.0	1019	2.18	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	20/02/19	120	0.0	1.1	14.6	0.1	0.0	1019	2.18	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	20/02/19	180	0.0	1.1	14.6	0.1	0.0	1019	2.18	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	20/02/19	0	0.0	0.0	21.2	4.8	0.0	1021	3.72	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	20/02/19	10	0.0	0.0	21.2	4.8	0.0	1021	3.72	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	20/02/19	20	0.0	6.0	20.2	4.8	0.0	1021	3.72	0.000	0.288	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS03	20/02/19	30	0.0	6.5	13.3	4.8	0.0	1021	3.72	0.000	0.312	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS03	20/02/19	60	0.0	7.1	7.3	4.8	0.0	1021	3.72	0.000	0.341	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS03	20/02/19	90	0.0	7.2	5.6	4.8	0.0	1021	3.72	0.000	0.346	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS03	20/02/19	120	0.0	7.3	6.5	4.8	0.0	1021	3.72	0.000	0.350	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS03	20/02/19	180	0.0	7.4	6.4	4.8	0.0	1021	3.72	0.000	0.355	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1

Project: Southwater Phase V
 Ref: GE 17902
 Client: Berkeley Homes Southern

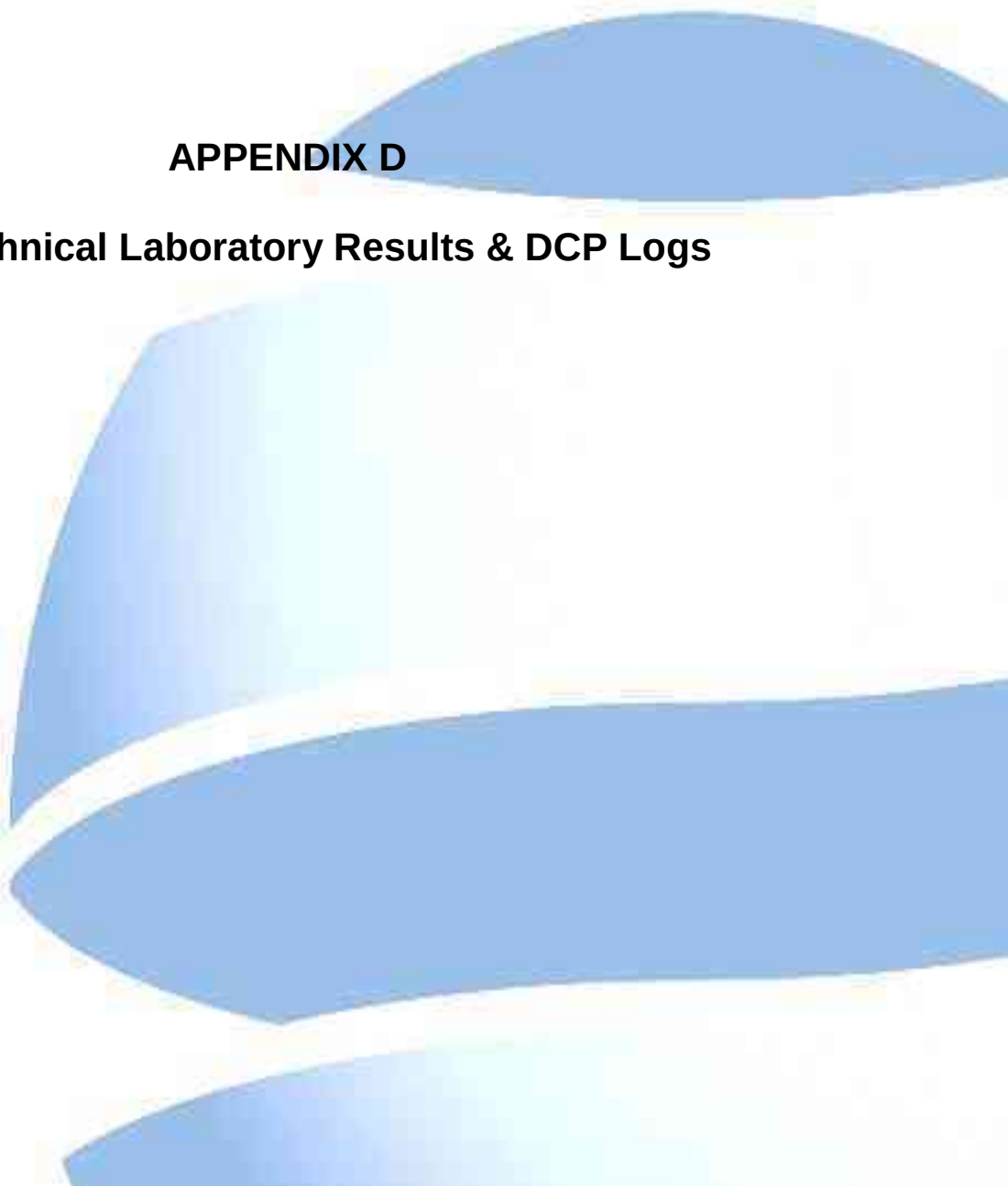


Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS09	20/02/19	0	0.0	0.0	20.8	0.1	0.0	1021	1.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	20/02/19	10	0.0	0.2	20.5	0.1	0.0	1021	1.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	20/02/19	20	0.0	0.3	19.9	0.1	0.0	1021	1.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	20/02/19	30	0.0	0.4	19.5	0.1	0.0	1021	1.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	20/02/19	60	0.0	0.4	19.2	0.1	0.0	1021	1.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	20/02/19	90	0.0	0.4	18.1	0.1	0.0	1021	1.12	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	20/02/19	120	0.0	0.5	13.2	0.1	0.0	1021	1.12	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	20/02/19	180	0.0	0.5	13.2	0.1	0.0	1021	1.12	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/19	0	0.1	0.0	21.0	0.0	0.0	1011	1.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/19	10	0.1	1.4	20.6	0.0	0.0	1011	1.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/19	20	0.1	2.4	19.5	0.0	0.0	1011	1.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/19	30	0.1	3.3	18.6	0.0	0.0	1011	1.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/19	60	0.1	3.5	17.7	0.0	0.0	1011	1.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/19	90	0.1	3.6	17.6	0.0	0.0	1011	1.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/19	120	0.1	3.7	17.6	0.0	0.0	1011	1.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/19	180	0.1	3.7	17.6	0.0	0.0	1011	1.26	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/03/19	0	0.1	0.0	21.0	3.6	0.0	1011	3.72	0.004	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/03/19	10	0.1	0.3	20.7	3.6	0.0	1011	3.72	0.004	0.011	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/03/19	20	0.1	5.1	13.4	3.6	0.0	1011	3.72	0.004	0.184	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS03	01/03/19	30	0.1	7.1	9.7	3.6	0.0	1011	3.72	0.004	0.256	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS03	01/03/19	60	0.1	7.5	6.8	3.6	0.0	1011	3.72	0.004	0.270	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS03	01/03/19	90	0.1	7.7	6.6	3.6	0.0	1011	3.72	0.004	0.277	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS03	01/03/19	120	0.1	7.8	6.5	3.6	0.0	1011	3.72	0.004	0.281	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS03	01/03/19	180	0.1	7.8	6.5	3.6	0.0	1011	3.72	0.004	0.281	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS09	01/03/19	0	0.1	0.0	21.0	0.0	0.0	1010	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	01/03/19	10	0.1	0.2	20.8	0.0	0.0	1010	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	01/03/19	20	0.1	0.4	19.5	0.0	0.0	1010	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	01/03/19	30	0.1	0.5	18.2	0.0	0.0	1010	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	01/03/19	60	0.1	0.5	17.5	0.0	0.0	1010	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	01/03/19	90	0.1	0.5	17.5	0.0	0.0	1010	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	01/03/19	120	0.1	0.5	17.5	0.0	0.0	1010	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS09	01/03/19	180	0.1	0.5	17.5	0.0	0.0	1010	1.13	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	01/03/19	0	0.1	0.0	21.0	0.0	0.0	1010	1.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	01/03/19	10	0.1	0.2	21.0	0.0	0.0	1010	1.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	01/03/19	20	0.1	0.5	20.8	0.0	0.0	1010	1.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	01/03/19	30	0.1	0.6	20.4	0.0	0.0	1010	1.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	01/03/19	60	0.1	0.7	20.2	0.0	0.0	1010	1.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	01/03/19	90	0.1	0.7	20.2	0.0	0.0	1010	1.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	01/03/19	120	0.1	0.7	20.2	0.0	0.0	1010	1.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS11	01/03/19	180	0.1	0.7	20.2	0.0	0.0	1010	1.02	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	01/03/19	0	0.1	0.0	21.0	0.0	0.0	1011	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	01/03/19	10	0.1	0.6	20.0	0.0	0.0	1011	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	01/03/19	20	0.1	1.1	16.5	0.0	0.0	1011	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	01/03/19	30	0.1	1.5	14.0	0.0	0.0	1011	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	01/03/19	60	0.1	1.6	12.7	0.0	0.0	1011	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	01/03/19	90	0.1	1.6	12.5	0.0	0.0	1011	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	01/03/19	120	0.1	1.6	12.5	0.0	0.0	1011	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS15	01/03/19	180	0.1	1.6	12.5	0.0	0.0	1011	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Southwater Phase V
Ref: GE 17902
Client: Berkeley Homes Southern



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
Max values			0.1	7.8	21.2	4.8	0.1	1030.0	3.72	0.005	0.374	CS1	CS2	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
Min Vaules			0.0	0.0	5.6	0.0	0.0	1001.0	0.00	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
BH Flow LoD check			0.1	7.8	21.2	0.1	-	-	-	0.000	0.008	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1

A decorative graphic consisting of several overlapping, wavy, blue shapes that resemble stylized hills or water ripples, located in the lower half of the page.

APPENDIX D

Geotechnical Laboratory Results & DCP Logs

					Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results						
Job No.		Project Name					Programme				
25827		Southwater Phase V					Samples received		15-21/01/2019		
Project No.		Client					Schedule received		22/01/2019		
GE17902		GESL					Project started		23/01/2019		
							Testing Started		31/01/2019		
Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
BH01	2	1.50	-	B	Greyish brown slightly mottled bluish grey slightly shaley slightly sandy silty CLAY	22					
BH01	3	3.45	-	D	Light brown slightly shaley slightly sandy silty CLAY	13	100	41	22	19	
BH01	2	5.00	-	U	High strength brownish grey mottled grey and orangish brown silty CLAY with occasional fm siltstone fragments	19					
BH01	10	9.00	-	D	Grey slightly sandy silty CLAY	16	100	64	26	38	
BH01	14	12.00	-	D	Grey slightly shaley slightly sandy silty CLAY	11	100	45	19	26	
BH01	20	16.50	-	D	Grey slightly shaley slightly sandy silty CLAY	12	100	52	26	26	
BH02	2	1.50	-	B	Yellowish brown and grey slightly shaley slightly sandy silty CLAY with scattered white flecks	21					
BH02	2	3.00	-	U	High strength brownish grey mottled orangish brown silty CLAY with occasional fmc siltstone fragments	21					
BH02	6	6.00	-	D	Grey slightly shaley slightly sandy silty CLAY	11	100	43	23	20	
BH02	10	9.00	-	D	Grey slightly shaley slightly sandy silty CLAY	13	100	43	21	22	
BH02	14	12.00	-	D	Grey slightly shaley slightly sandy silty CLAY	12	100	45	24	21	
BH02	22	18.00	-	D	Grey slightly sandy silty CLAY	13	100	49	24	25	

	Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits: clause 4.3 and 5.0	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com	Checked and Approved Initials J.P Date: 13/02/2019
	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R1(b)
	2519		

					Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results						
Job No.		Project Name					Programme				
25827		Southwater Phase V					Samples received		15-21/01/2019		
Project No.		Client					Schedule received		22/01/2019		
GE17902		GESL					Project started		23/01/2019		
							Testing Started		31/01/2019		
Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS01	3	0.50	-	D	Orangish brown and bluish grey silty CLAY	30	100	92	29	63	
WS01	4	0.75	-	D	Orangish brown, bluish grey and greyish brown slightly sandy silty CLAY with traces of fine rootlets	34					
WS01	5	1.50	-	D	Dark reddish brown slightly mottled yellowish brown slightly shaley slightly sandy silty CLAY	15					
WS01	6	2.00	-	D	Yellowish brown slightly mottled dark reddish brown slightly shaley slightly sandy silty CLAY with occasional fm mudstone fragments	17	93	56	27	29	
WS01	7	2.50	-	D	Dark reddish brown slightly mottled yellowish brown slightly shaley slightly sandy silty CLAY	13					
WS01	8	3.00	-	D	Dark reddish brown slightly mottled yellowish brown slightly shaley slightly sandy silty CLAY	17					
WS01	9	3.50	-	D	Dark reddish brown slightly mottled yellowish brown slightly shaley slightly sandy silty CLAY	20					
WS01	10	4.00	-	D	Orangish brown and bluish grey mottled silty CLAY with scattered selenite crystals	25					
WS02	3	0.50	-	D	Yellowish brown slightly mottled orangish brown slightly shaley silty CLAY with occasional dark grey carbonaceous stains	28					
WS02	5	1.00	-	D	Orangish brown and bluish grey mottled shaley laminated silty CLAY with occasional carbonaceous deposits and traces of fine rootlets	32	100	87	30	57	
WS02	7	1.50	-	D	Greyish brown, grey and brown slightly shaley slightly sandy silty CLAY	14					
WS02	9	2.00	-	D	Greyish brown, grey and brown slightly shaley silty CLAY	19	100	60	26	34	

	Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits. clause 4.3 and 5.0	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com	Checked and Approved Initials J.P Date: 13/02/2019
	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R1(b)

					Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results						
Job No.		Project Name					Programme				
25827		Southwater Phase V					Samples received		15-21/01/2019		
Project No.		Client					Schedule received		22/01/2019		
GE17902		GESL					Project started		23/01/2019		
							Testing Started		31/01/2019		
Hole No.	Sample				Soil Description	NMC	Passing 425µm	LL	PL	PI	Remarks
	Ref	Top m	Base m	Type							
					%	%	%	%	%		
WS02	10	2.50	-	D	Yellowish brown mottled reddish brown slightly shaley slightly sandy silty CLAY with rare mudstone fragments	12					
WS02	11	3.00	-	D	Grey and reddish brown slightly shaley silty CLAY	18					
WS02	12	3.50	-	D	Light brown slightly mottled reddish brown and dark greyish brown slightly shaley silty CLAY	14					
WS03	3	0.75	-	D	Reddish brown and bluish grey slightly shaley silty CLAY with occasional decayed roots	34	100	95	34	61	
WS03	7	1.75	-	D	Reddish brown and greyish brown with occasional dark grey stains slightly sandy silty CLAY	24					
WS03	8	2.00	-	D	Greyish brown slightly mottled orangish brown slightly sandy silty CLAY with scattered selenite crystals	23	100	72	31	41	
WS04	3	0.50	-	D	Bluish grey and orangish brown silty CLAY with occasional fine rootlets	35	100	98	36	62	
WS04	4	0.75	-	D	Orange brown and light grey slightly sandy silty CLAY with occasional fine rootlets	37					
WS04	6	1.25	-	D	Orangish brown, bluish grey and dark greenish grey slightly shaley slightly sandy silty CLAY	23					
WS04	8	1.75	-	D	Greenish grey and orangish brown slightly shaley slightly sandy silty CLAY	15					
WS04	10	2.50	-	D	Greenish grey, orangish brown, reddish brown and bluish grey slightly shaley silty CLAY	23					
WS04	11	3.00	-	D	Greyish brown and bluish grey slightly shaley silty CLAY	24					

	Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits: clause 4.3 and 5.0	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com	Checked and Approved Initials J.P Date: 13/02/2019
	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R1(b)
	2519		

					Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results						
Job No.		Project Name					Programme				
25827		Southwater Phase V					Samples received		15-21/01/2019		
Project No.		Client					Schedule received		22/01/2019		
GE17902		GESL					Project started		23/01/2019		
							Testing Started		31/01/2019		
Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS04	12	3.40	-	D	Light greyish brown slightly shaley silty CLAY	13					
WS05	3	0.75	-	D	Bluish grey slightly mottled orangish brown silty CLAY	37	100	90	33	57	
WS05	6	1.50	-	D	Yellowish brown slightly mottled bluish grey slightly shaley silty CLAY with scattered dark brown stains	27	100	69	31	38	
WS05	7	1.75	-	D	Brown, orangish brown and bluish grey slightly sandy silty CLAY	21					
WS06	3	0.50	-	D	Yellowish brown with orangish brown and bluish grey silty CLAY with occasional dark grey carbonaceous deposits	31					
WS06	4	0.75	-	D	Bluish grey, yellowish brown and orangish brown silty CLAY with traces of rootlets	32	100	85	32	53	
WS06	5	1.00	-	D	Bluish grey, yellowish brown and orangish brown silty CLAY with traces of fine rootlets	32					
WS06	7	1.50	-	D	Yellowish brown and orangish brown slightly shaley silty CLAY with scattered dark grey carbonaceous stains	16					
WS06	9	2.00	-	D	Greenish brown slightly mottled bluish grey slightly sandy silty CLAY	27					
WS06	10	2.50	-	D	Greenish brown slightly mottled bluish grey slightly shaley silty CLAY	26					
WS06	11	3.00	-	D	Reddish brown, orangish brown and bluish grey slightly shaley silty CLAY with occasional dark grey stains	24					
WS07	2	0.50	-	D	Orangish brown, bluish grey and reddish brown mottled silty CLAY with traces of dark grey carbonaceous deposits	27	100	79	31	48	

	Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits: clause 4.3 and 5.0	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com	Checked and Approved Initials J.P Date: 13/02/2019
	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R1(b)
	2519		

		Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results									
Job No. 25827		Project Name Southwater Phase V						Programme			
Project No. GE17902		Client GESL						Samples received		15-21/01/2019	
								Schedule received		22/01/2019	
								Project started		23/01/2019	
								Testing Started		31/01/2019	
Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS07	5	1.25	-	D	Greenish brown and yellowish brown slightly shaley slightly sandy silty CLAY	14	100	45	20	25	
WS07	6	1.50	-	D	Greyish brown, yellowish brown slightly shaley slightly sandy silty CLAY with occasional dark grey stains	19					
WS07	8	2.50	-	D	Yellowish brown, orangish brown, dark grey and reddish brown slightly shaley slightly sandy silty CLAY	12	100	36	20	16	
WS08	4	0.75	-	D	Orangish brown and bluish grey slightly shaley slightly sandy silty CLAY	21	100	50	26	24	
WS08	6	1.25	-	D	Greyish brown, bluish grey and orangish brown slightly shaley silty CLAY with occasional dark grey stains	21	100	60	30	30	
WS08	7	1.50	-	D	Orangish brown slightly mottled bluish grey and yellowish brown slightly shaley slightly sandy silty CLAY with traces of dark grey carbonaceous stains	28					
WS08	9	2.50	-	D	Greyish brown slightly mottled reddish brown slightly shaley slightly sandy silty CLAY	14					
WS09	4	0.75	-	D	Orangish brown and bluish grey silty CLAY	32	100	80	36	44	
WS09	7	1.50	-	D	Greyish brown, bluish grey and orangish brown slightly shaley slightly sandy silty CLAY	22	100	63	27	36	
WS09	9	2.00	-	D	Reddish brown slightly mottled bluish grey and grey slightly shaley slightly sandy silty CLAY	19					
WS10	3	0.50	-	D	Orangish brown and bluish grey silty CLAY with traces of fine rootlets and occasional black stains	30	100	68	25	43	
WS10	5	1.00	-	D	Orangish brown and bluish grey silty CLAY	25					
 Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits: clause 4.3 and 5.0					Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com					Checked and Approved Initials J.P Date: 13/02/2019	
Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)										MSF-5-R1(b)	

		Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results									
Job No.		Project Name						Programme			
25827		Southwater Phase V						Samples received	15-21/01/2019		
Project No.		Client						Schedule received	22/01/2019		
GE17902		GESL						Project started	23/01/2019		
								Testing Started	31/01/2019		
Hole No.	Sample				Soil Description	NMC	Passing 425µm	LL	PL	PI	Remarks
	Ref	Top m	Base m	Type							
WS10	6	1.25	-	D	Orangish brown, reddish brown and bluish grey slightly sandy silty CLAY	30	100	76	30	46	
WS10	9	2.00	-	D	Orangish brown, reddish brown and bluish grey silty CLAY	24					
WS10	10	2.50	-	D	Bluish grey, reddish brown and orangish brown slightly shaley silty CLAY	26					
WS10	11	3.00	-	D	Greenish grey slightly mottled bluish grey and orangish brown slightly shaley silty CLAY	17					
WS10	12	3.50	-	D	Dark greenish grey slightly mottled orangish brown slightly shaley silty CLAY	19					
WS11	2	0.50	-	D	Orangish brown and bluish grey mottled slightly shaley silty CLAY	27	100	75	32	43	
WS11	3	0.75	-	D	Orangish brown and bluish grey mottled slightly shaley silty CLAY	34					
WS11	5	1.25	-	D	Orangish brown slightly mottled bluish grey slightly shaley slightly sandy silty CLAY	16	100	56	25	31	
WS11	6	1.50	-	D	Dark orangish brown, orangish brown and bluish grey slightly shaley slightly sandy silty CLAY	20					
WS11	7	2.00	-	D	Reddish brown, orangish brown and greyish brown slightly shaley silty CLAY with occasional dark grey stains	16					
WS11	7	2.50	-	D	Reddish brown, orangish brown and greyish brown slightly shaley silty CLAY with occasional dark grey stains	15					
WS11	7	3.00	-	D	Reddish brown, orangish brown and greyish brown slightly shaley silty CLAY with occasional dark grey stains	16					
 Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits: clause 4.3 and 5.0					Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com					Checked and Approved Initials J.P Date: 13/02/2019	
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					Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results						
Job No.		Project Name					Programme				
25827		Southwater Phase V					Samples received		15-21/01/2019		
Project No.		Client					Schedule received		22/01/2019		
GE17902		GESL					Project started		23/01/2019		
							Testing Started		31/01/2019		
Hole No.	Sample				Soil Description	NMC	Passing 425µm	LL	PL	PI	Remarks
	Ref	Top m	Base m	Type							
WS11	7	3.50	-	D	Greyish brown slightly mottled reddish brown and orangish brown slightly shaley silty CLAY with occasional dark grey stains	16					
WS11	7	4.00	-	D	Greyish brown slightly mottled reddish brown and orangish brown slightly shaley silty CLAY with occasional dark grey stains	16					
WS12	7	0.35	-	D	Orangish brown, light brown, reddish brown and bluish grey slightly shaley silty CLAY with rare fine rootlets	31	100	68	26	42	
WS12	7	0.75	-	D	Reddish brown, orangish brown and bluish grey mottled slightly shaley slightly sandy silty CLAY	21	100	51	25	26	
WS12	7	1.50	-	D	Light brown slightly mottled bluish grey slightly shaley slightly sandy silty CLAY	14					
WS13	3	1.00	-	D	Bluish grey and orangish brown mottled silty CLAY	24	100	65	27	38	
WS13	4	1.50	-	D	Greyish brown and light grey and orangish brown mottled slightly sandy slightly shaley silty CLAY with occasional fmc mudstone fragments	18					
WS13	5	2.00	-	D	Dark reddish brown and greyish brown mottled slightly shaley slightly sandy silty CLAY with traces of fine rootlets	19	100	49	25	24	
WS14	2	0.50	-	D	Orangish brown and bluish grey slightly shaley silty CLAY	24					
WS14	3	1.00	-	D	Orangish brown and bluish grey slightly shaley slightly sandy silty CLAY	19	100	52	24	28	
WS14	4	1.50	-	D	Greyish brown slightly mottled bluish grey slightly shaley slightly sandy silty CLAY with rare mudstone fragments	16					
WS14	5	2.00	-	D	Greyish brown, orangish brown and light grey slightly shaley silty CLAY	16					
 Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits: clause 4.3 and 5.0					Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com					Checked and Approved Initials J.P Date: 13/02/2019	
2519					Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)					MSF-5-R1(b)	

					Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results						
Job No.		Project Name					Programme				
25827		Southwater Phase V					Samples received		15-21/01/2019		
Project No.		Client					Schedule received		22/01/2019		
GE17902		GESL					Project started		23/01/2019		
							Testing Started		31/01/2019		
Hole No.	Sample				Soil Description	NMC	Passing 425µm	LL	PL	PI	Remarks
	Ref	Top m	Base m	Type							
						%	%	%	%	%	
WS14	6	2.50	-	D	Greyish brown, orangish brown and light grey slightly shaley silty CLAY	19					
WS14	7	3.00	-	D	Orangish brown, reddish brown and dark reddish brown slightly shaley silty CLAY	16					
WS14	8	3.50	-	D	Orangish brown, reddish brown and dark reddish brown slightly shaley silty CLAY	13					
WS14	9	4.00	-	D	Dark reddish brown slightly mottled bluish grey and orangish brown slightly shaley silty CLAY	18					
WS15	3	0.60	-	D	Orange brown and light grey slightly sandy silty CLAY with occasional fine rootlets	29					
WS15	4	1.00	-	D	Orangish brown and bluish grey slightly shaley slightly sandy silty CLAY with traces of fine rootlets	20	100	55	25	30	
WS15	5	1.50	-	D	Greyish brown slightly mottled reddish brown and yellowish brown slightly shaley slightly sandy silty CLAY	18					
WS15	6	2.00	-	D	Greyish brown slightly mottled reddish brown and yellowish brown slightly sandy slightly shaley silty CLAY	18					
WS15	7	2.50	-	D	Dark reddish brown, reddish brown and greyish brown slightly shaley silty CLAY with dark grey stains	18					
WS15	8	3.00	-	D	Orangish brown, reddish brown and bluish grey slightly shaley silty CLAY	12					
WS15	9	3.50	-	D	Orangish brown, reddish brown and bluish grey slightly shaley silty CLAY	19					
WS16	2	0.50	-	D	Yellowish brown and orangish brown mottled slightly shaley slightly sandy silty CLAY	27	100	63	29	34	

	Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits: clause 4.3 and 5.0	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com	Checked and Approved Initials J.P Date: 13/02/2019
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	2519		



Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No. 25827	Project Name Southwater Phase V	Programme	
		Samples received	15-21/01/2019
Project No. GE17902	Client GESL	Schedule received	22/01/2019
		Project started	23/01/2019
		Testing Started	31/01/2019

Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS16	3	1.00	-	D	Greenish brown slightly mottled greyish blue slightly shaley silty CLAY with scattered dark brown stains	28	100	70	26	44	
WS16	6	2.50	-	D	Dark greyish brown slightly sandy slightly shaley silty CLAY with occasional mudstone fragments	15					
WS16	7	3.00	-	D	Greyish brown slightly mottled dark grey and reddish brown slightly shaley slightly sandy silty CLAY	11	100	41	17	24	
WS17	2	0.50	-	D	Orangish brown slightly mottled bluish grey slightly shaley silty CLAY with numerous black carbonaceous deposits	31	100	73	28	45	
WS17	3	1.00	-	D	Orangish brown, bluish grey and dark reddish brown slightly shaley slightly sandy silty CLAY	19	100	48	21	27	
WS17	4	1.40	-	D	Greyish brown slightly shaley slightly sandy silty CLAY	14					
WS17	7	3.00	-	D	Orangish brown, greyish brown and dark reddish brown slightly shaley slightly sandy silty CLAY with rare mudstone fragments	18					

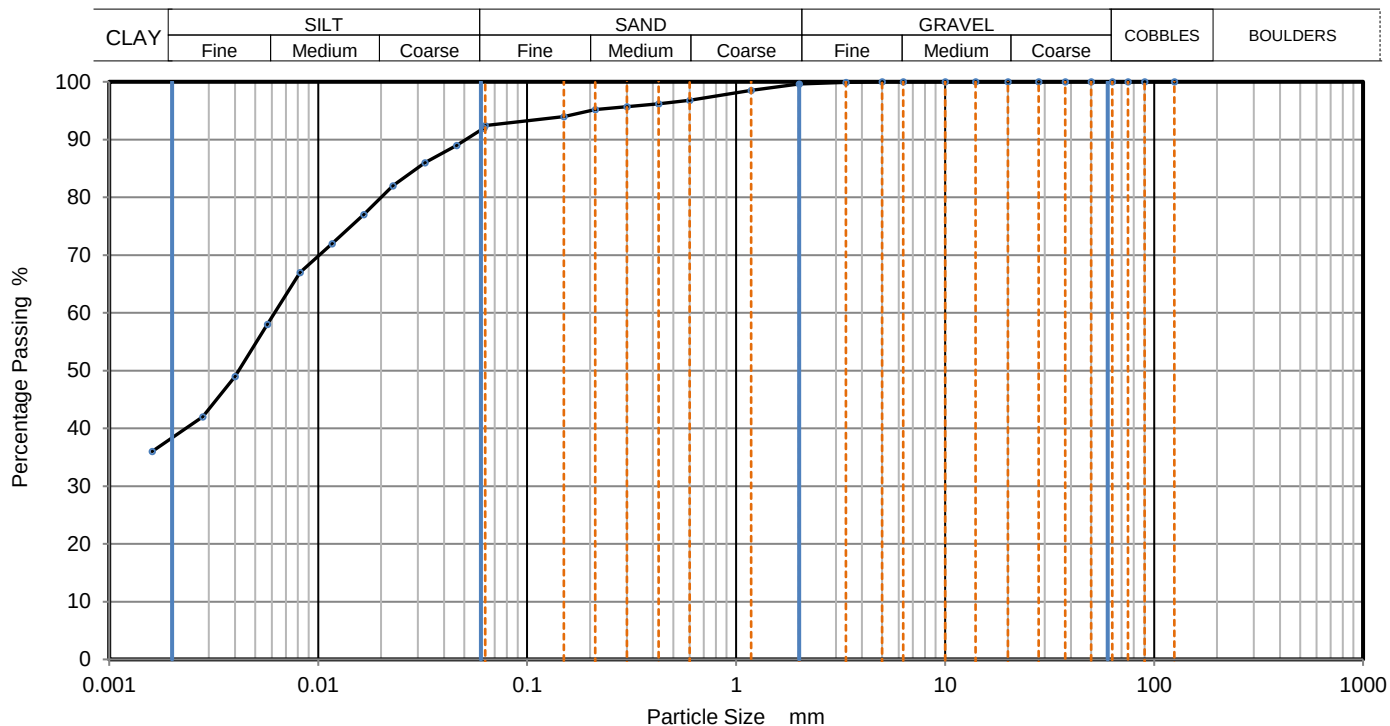
 2519	Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits: clause 4.3 and 5.0	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com	Checked and Approved Initials J.P Date: 13/02/2019
	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R1(b)



PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	BH01
Sample No.	2
Depth Top	1.50 m
Depth Base	- m
Sample Type	B
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019

Site Name	Southwater Phase V		
Project No.	GE17902	Client	GESL
Soil Description	Greyish brown slightly mottled bluish grey slightly shaley slightly sandy silty CLAY		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0621	92
90	100	0.0460	89
75	100	0.0324	86
63	100	0.0228	82
50	100	0.0166	77
37.5	100	0.0116	72
28	100	0.0082	67
20	100	0.0057	58
14	100	0.0040	49
10	100	0.0028	42
6.3	100	0.0016	36
5	100		
3.35	100		
2	100		
1.18	99		
0.6	97	Particle density (assumed) 2.70 Mg/m3	
0.425	96		
0.3	96		
0.212	95		
0.15	94		
0.063	92		

Dry Mass of sample, g 11

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.4
Sand	7.2
Silt	53.7
Clay	38.7

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
Preparation and testing in accordance with BS1377 unless noted below



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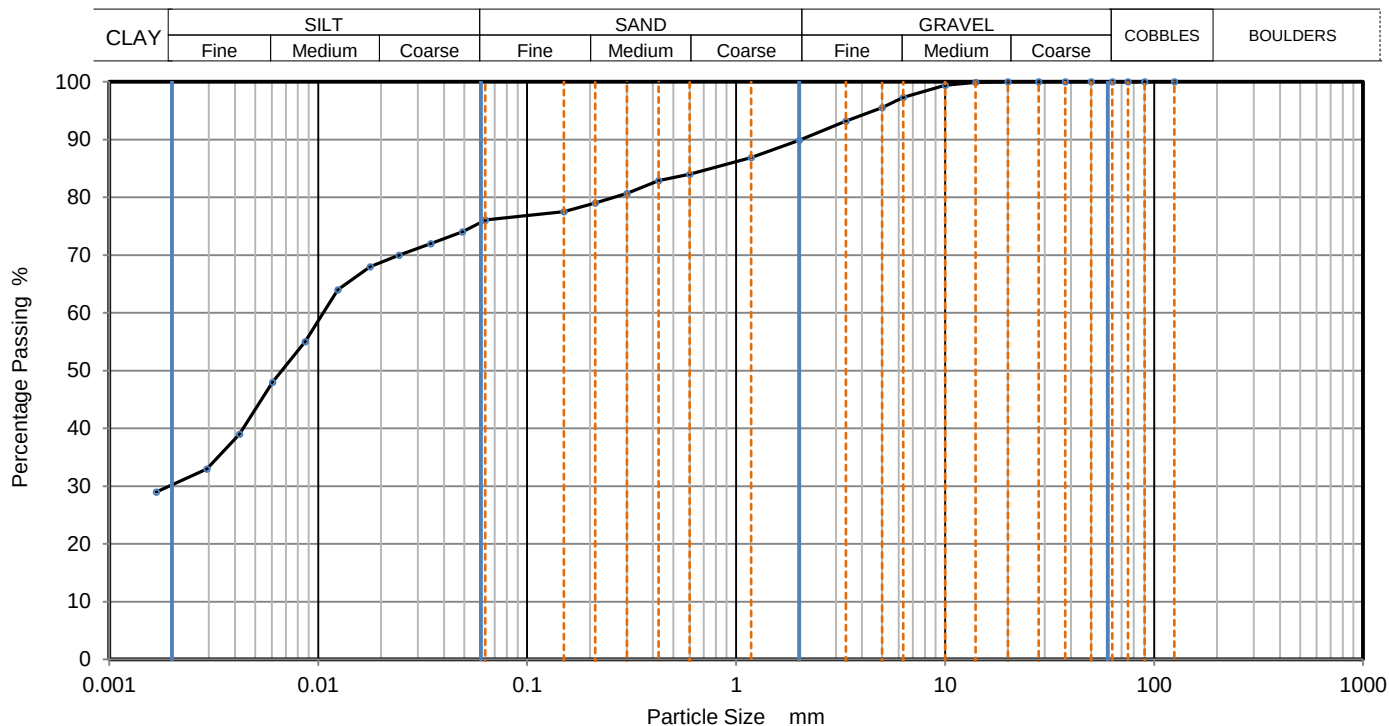
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	BH02
Sample No.	2
Depth Top	1.50 m
Depth Base	- m
Sample Type	B
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019

Site Name	Southwater Phase V		
Project No.	GE17902	Client	GESL
Soil Description	Yellowish brown and grey slightly shaley slightly sandy silty CLAY with scattered white flecks		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	76
90	100	0.0490	74
75	100	0.0345	72
63	100	0.0243	70
50	100	0.0177	68
37.5	100	0.0124	64
28	100	0.0087	55
20	100	0.0060	48
14	100	0.0042	39
10	99	0.0029	33
6.3	97	0.0017	29
5	96		
3.35	93		
2	90		
1.18	87		
0.6	84	Particle density (assumed) 2.70 Mg/m3	
0.425	83		
0.3	81		
0.212	79		
0.15	78		
0.063	76		

Dry Mass of sample, g 152

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	10.1
Sand	13.8
Silt	46.1
Clay	30.0

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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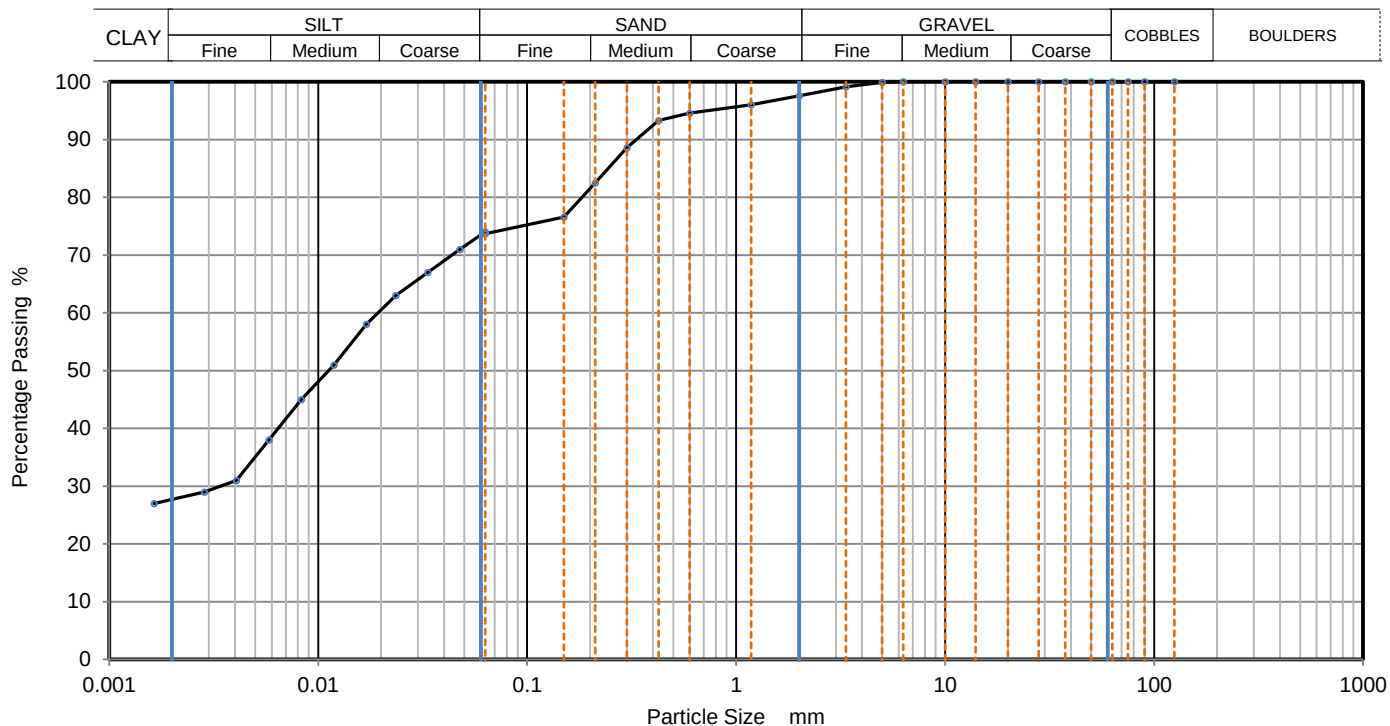
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS01
Sample No.	6
Depth Top	2.00 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019

Site Name	Southwater Phase V		
Project No.	GE17902	Client	GESL
Soil Description	Yellowish brown slightly mottled dark reddish brown slightly shaley slightly sandy silty CLAY with occasional fm mudstone fragments		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	74
90	100	0.0476	71
75	100	0.0335	67
63	100	0.0235	63
50	100	0.0170	58
37.5	100	0.0119	51
28	100	0.0083	45
20	100	0.0058	38
14	100	0.0041	31
10	100	0.0029	29
6.3	100	0.0016	27
5	100		
3.35	99		
2	98		
1.18	96		
0.6	95	Particle density (assumed) 2.70 Mg/m3	
0.425	93		
0.3	89		
0.212	83		
0.15	77		
0.063	74		

Dry Mass of sample, g 61

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	2.4
Sand	23.8
Silt	46.2
Clay	27.6

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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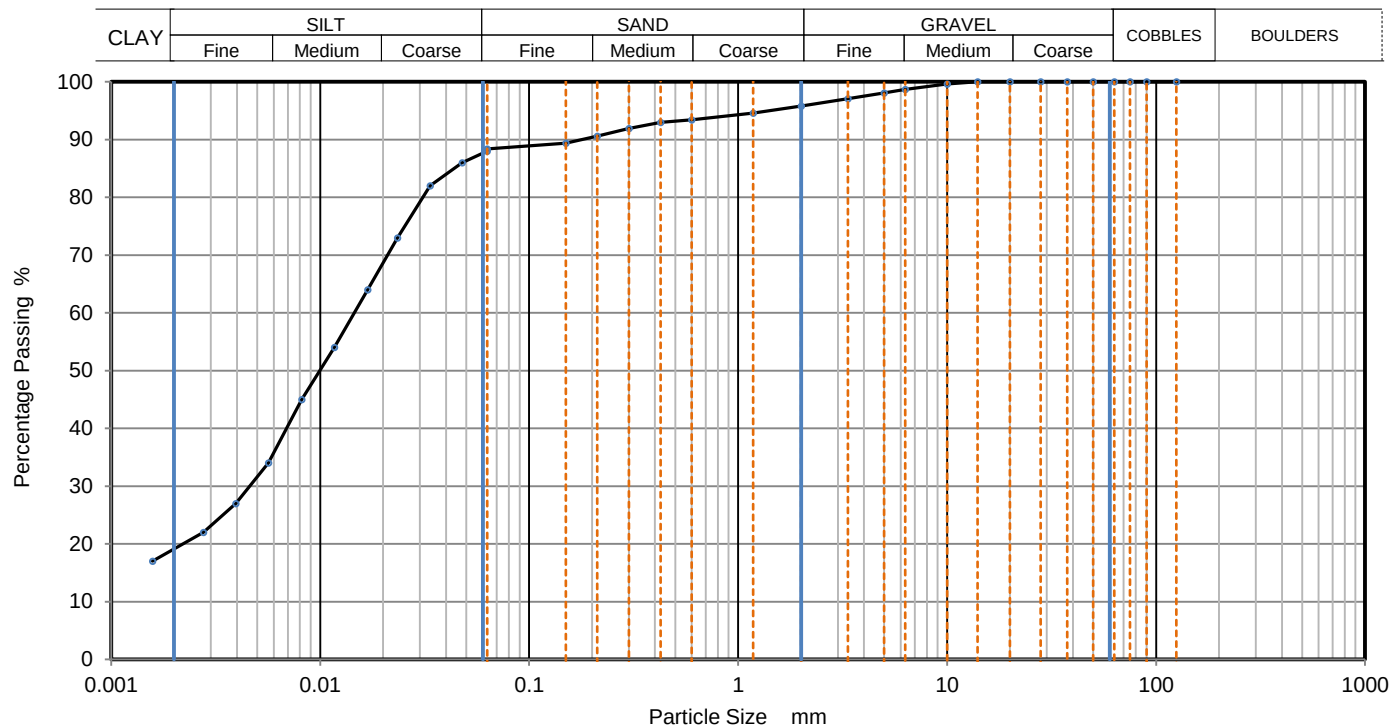
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS02
Sample No.	10
Depth Top	2.50 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	88
90	100	0.0478	86
75	100	0.0336	82
63	100	0.0234	73
50	100	0.0169	64
37.5	100	0.0117	54
28	100	0.0082	45
20	100	0.0057	34
14	100	0.0039	27
10	100	0.0028	22
6.3	99	0.0016	17
5	98		
3.35	97		
2	96		
1.18	95		
0.6	93	Particle density (assumed) 2.70 Mg/m3	
0.425	93		
0.3	92		
0.212	91		
0.15	89		
0.063	88		

Dry Mass of sample, g 57

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	4.2
Sand	7.5
Silt	69.4
Clay	18.9

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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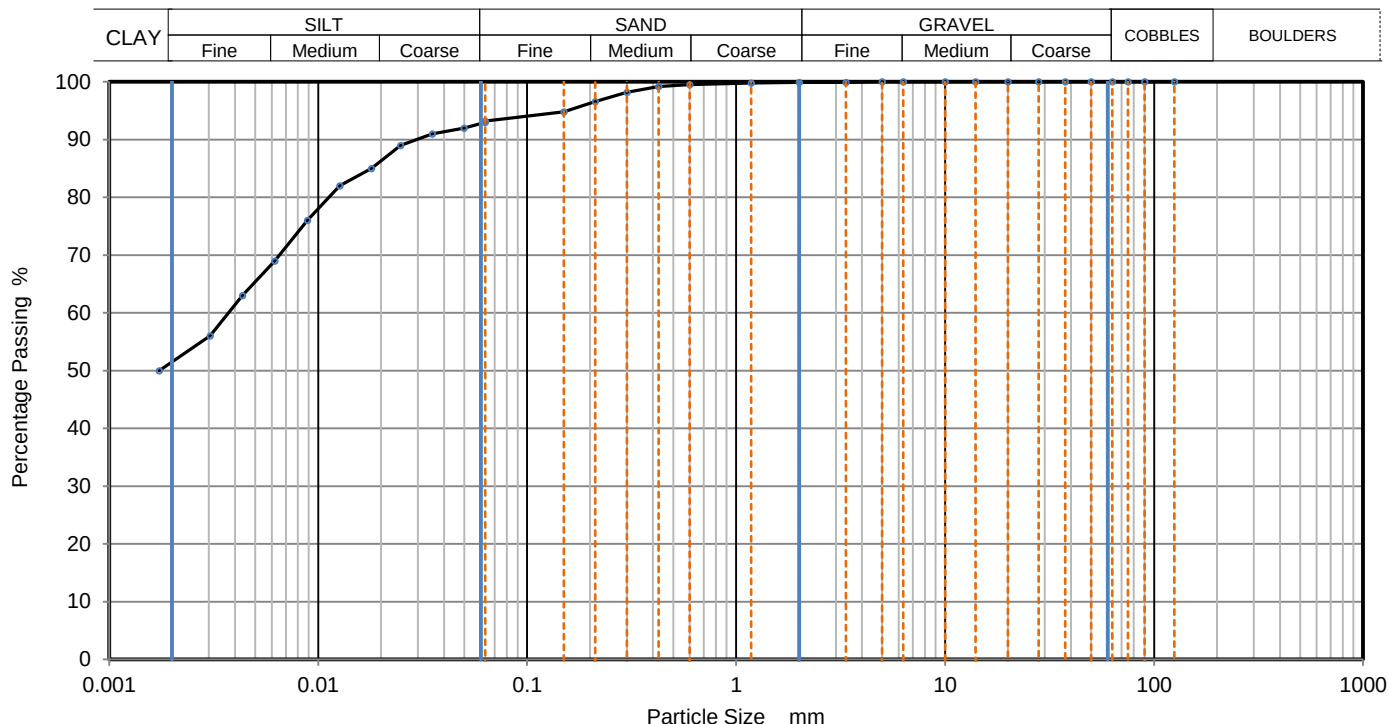
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS03
Sample No.	7
Depth Top	1.75 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019

Site Name	Southwater Phase V		
Project No.	GE17902	Client	GESL
Soil Description	Reddish brown and greyish brown with occasional dark grey stains slightly sandy silty CLAY		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	93
90	100	0.0498	92
75	100	0.0351	91
63	100	0.0248	89
50	100	0.0180	85
37.5	100	0.0127	82
28	100	0.0089	76
20	100	0.0062	69
14	100	0.0043	63
10	100	0.0030	56
6.3	100	0.0017	50
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100	Particle density (assumed) 2.70 Mg/m3	
0.425	99		
0.3	98		
0.212	97		
0.15	95		
0.063	93		

Dry Mass of sample, g 26

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.1
Sand	6.7
Silt	41.7
Clay	51.5

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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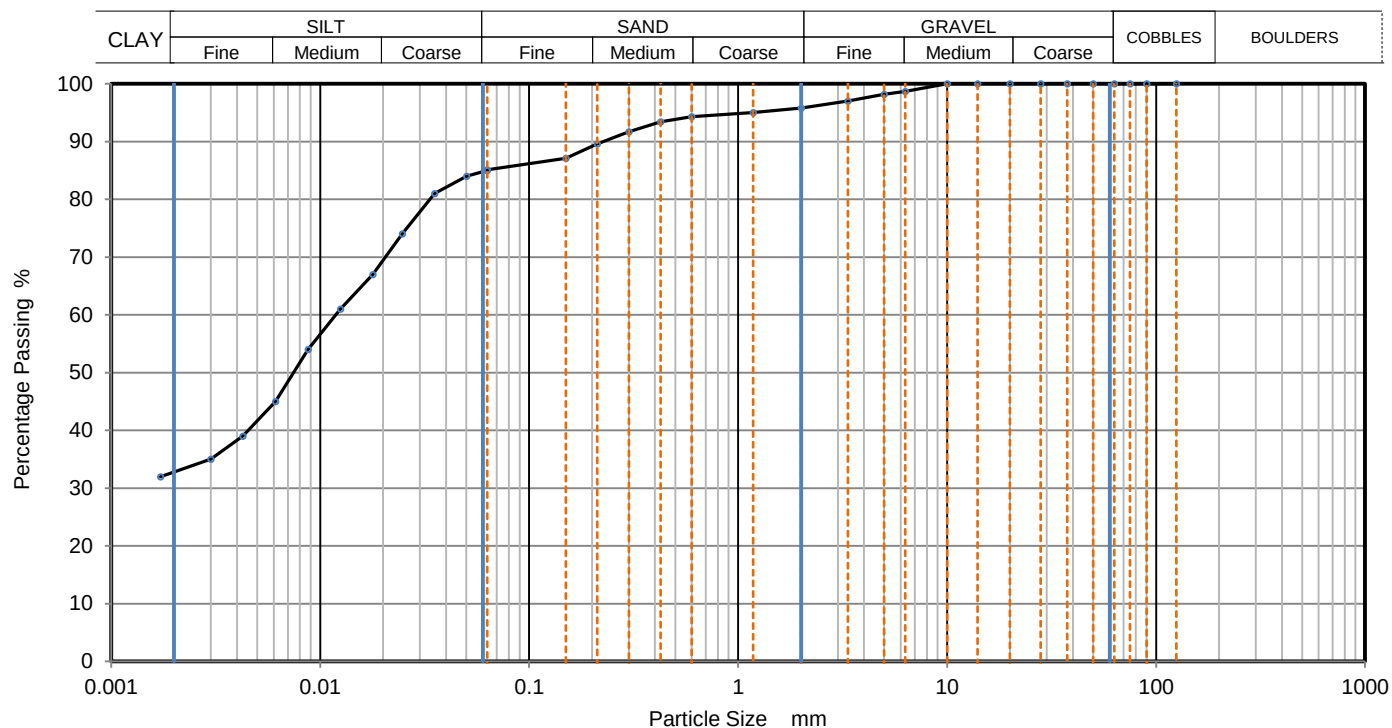
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS04
Sample No.	6
Depth Top	1.25 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	85
90	100	0.0502	84
75	100	0.0353	81
63	100	0.0247	74
50	100	0.0179	67
37.5	100	0.0125	61
28	100	0.0088	54
20	100	0.0061	45
14	100	0.0043	39
10	100	0.0030	35
6.3	99	0.0017	32
5	98		
3.35	97		
2	96		
1.18	95		
0.6	94	Particle density (assumed) 2.70 Mg/m ³	
0.425	93		
0.3	92		
0.212	90		
0.15	87		
0.063	85		

Dry Mass of sample, g

51

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	4.2
Sand	10.7
Silt	52.2
Clay	32.9

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

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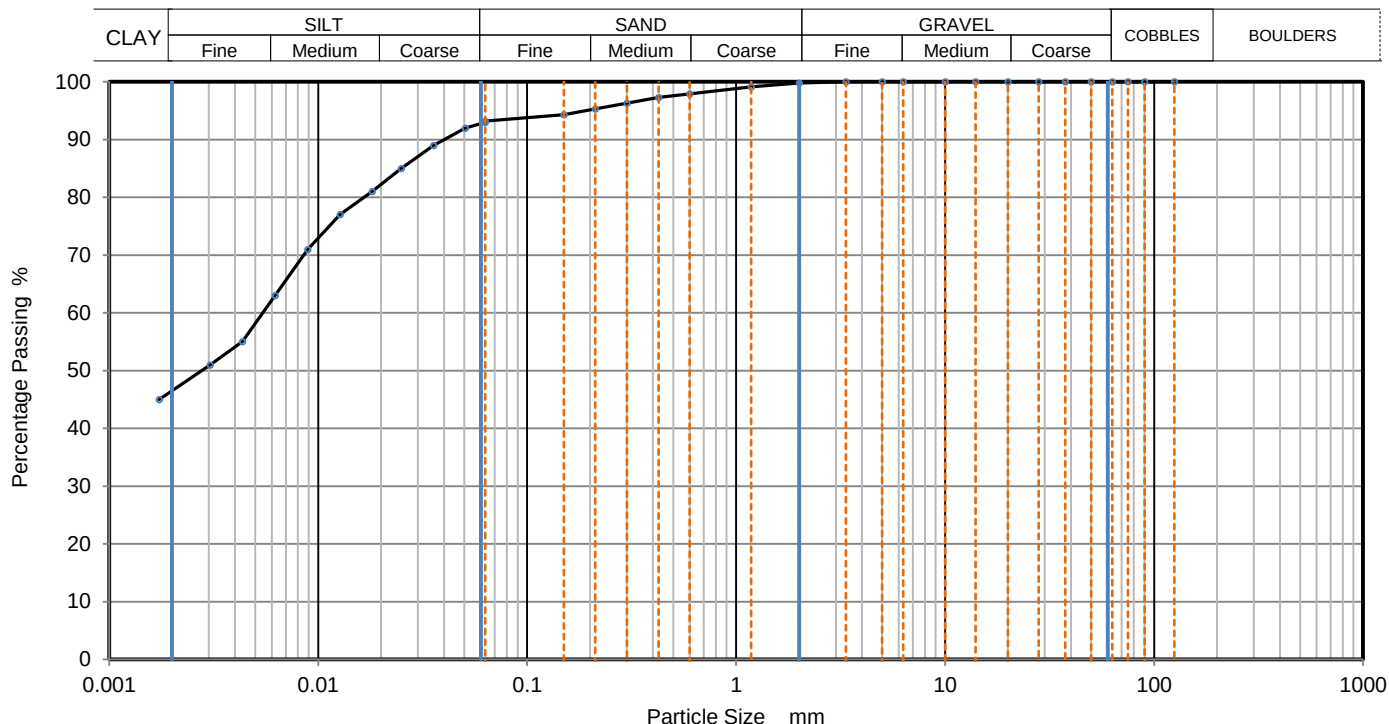
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS05
Sample No.	7
Depth Top	1.75 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019

Site Name	Southwater Phase V		
Project No.	GE17902	Client	GESL
Soil Description	Brown, orangish brown and bluish grey slightly sandy silty CLAY		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	93
90	100	0.0506	92
75	100	0.0356	89
63	100	0.0250	85
50	100	0.0181	81
37.5	100	0.0127	77
28	100	0.0089	71
20	100	0.0062	63
14	100	0.0043	55
10	100	0.0030	51
6.3	100	0.0017	45
5	100		
3.35	100		
2	100		
1.18	99		
0.6	98	Particle density (assumed) 2.70 Mg/m3	
0.425	97		
0.3	96		
0.212	95		
0.15	94		
0.063	93		

Dry Mass of sample, g 14

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.2
Sand	6.5
Silt	46.6
Clay	46.7

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
Preparation and testing in accordance with BS1377 unless noted below



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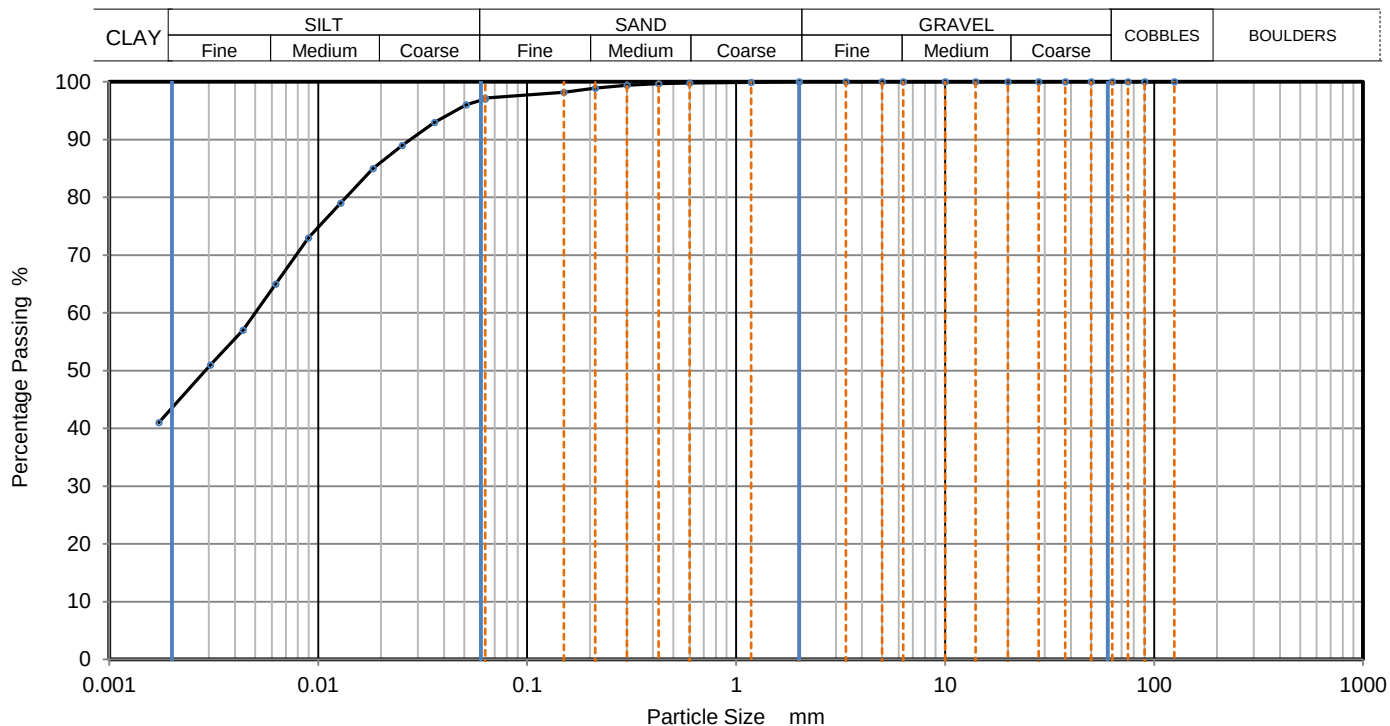
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS06
Sample No.	9
Depth Top	2.00 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	97
90	100	0.0511	96
75	100	0.0360	93
63	100	0.0253	89
50	100	0.0183	85
37.5	100	0.0128	79
28	100	0.0090	73
20	100	0.0063	65
14	100	0.0044	57
10	100	0.0030	51
6.3	100	0.0017	41
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100	Particle density (assumed) 2.70 Mg/m3	
0.425	100		
0.3	99		
0.212	99		
0.15	98		
0.063	97		

Dry Mass of sample, g

7

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.0
Sand	2.8
Silt	53.4
Clay	43.8

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

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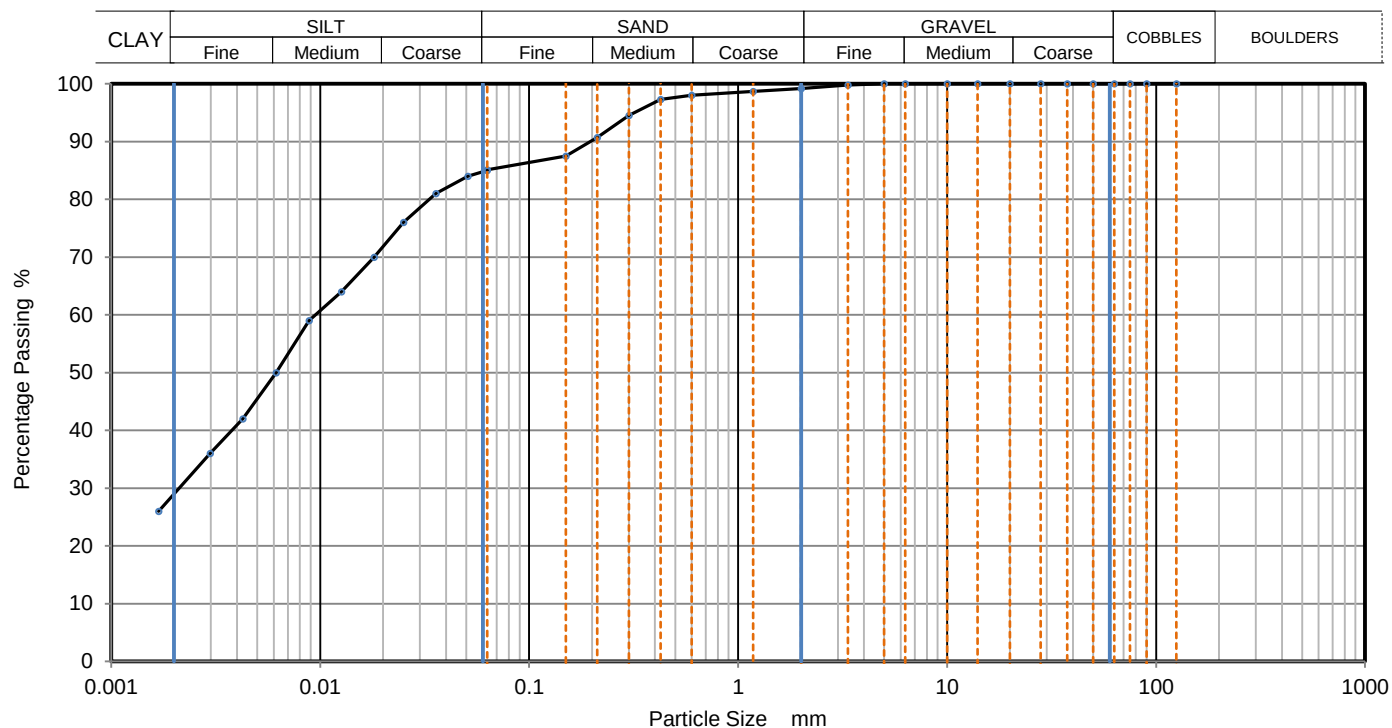
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS07
Sample No.	6
Depth Top	1.50 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	03/02/2019



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	85
90	100	0.0509	84
75	100	0.0358	81
63	100	0.0251	76
50	100	0.0181	70
37.5	100	0.0127	64
28	100	0.0088	59
20	100	0.0061	50
14	100	0.0043	42
10	100	0.0030	36
6.3	100	0.0017	26
5	100		
3.35	100		
2	99		
1.18	99		
0.6	98	Particle density (assumed) 2.70 Mg/m ³	
0.425	97		
0.3	95		
0.212	91		
0.15	88		
0.063	85		

Dry Mass of sample, g

63

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.8
Sand	14.2
Silt	55.7
Clay	29.3

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

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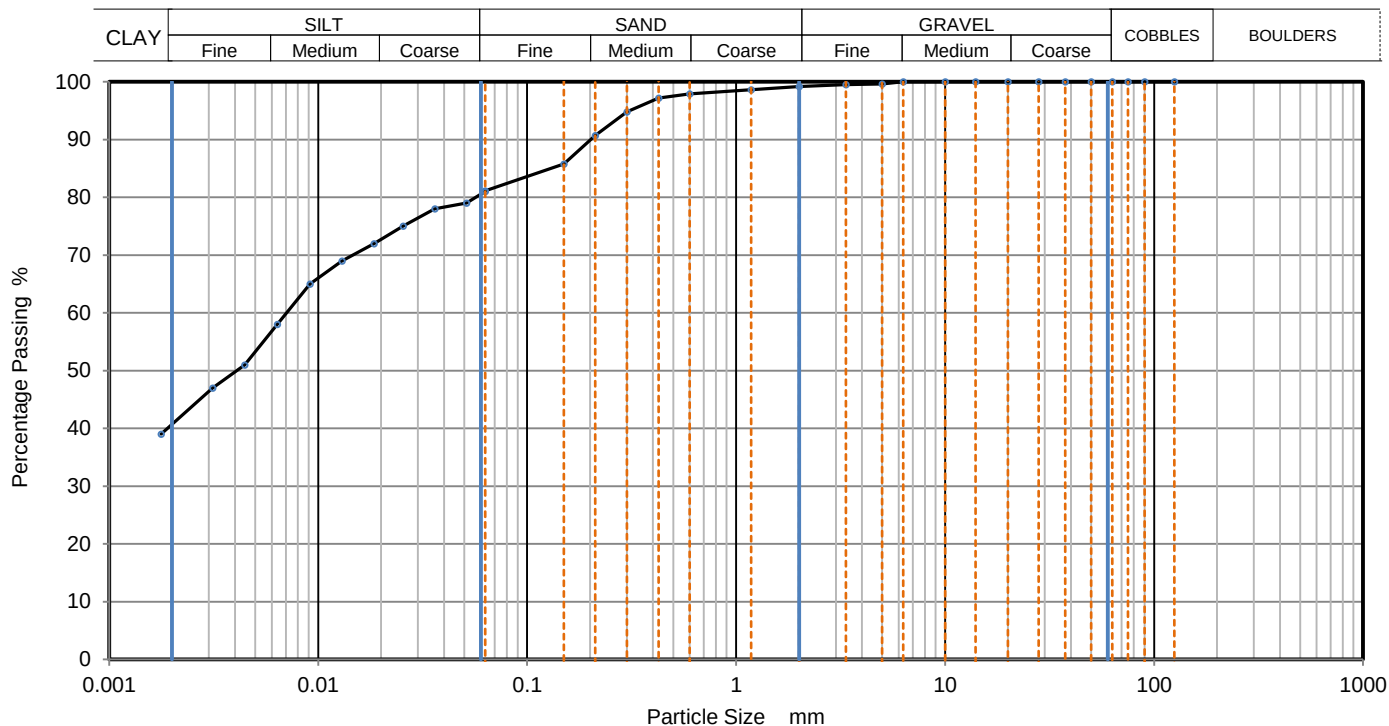
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS08
Sample No.	7
Depth Top	1.50 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019

Site Name	Southwater Phase V		
Project No.	GE17902	Client	GESL
Soil Description	Orangish brown slightly mottled bluish grey and yellowish brown slightly shaley slightly sandy silty CLAY with traces of dark grey carbonaceous stains		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	81
90	100	0.0513	79
75	100	0.0362	78
63	100	0.0255	75
50	100	0.0185	72
37.5	100	0.0130	69
28	100	0.0091	65
20	100	0.0064	58
14	100	0.0045	51
10	100	0.0031	47
6.3	100	0.0018	39
5	100		
3.35	100		
2	99		
1.18	99		
0.6	98	Particle density (assumed) 2.70 Mg/m3	
0.425	97		
0.3	95		
0.212	91		
0.15	86		
0.063	81		

Dry Mass of sample, g 55

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	0.8
Sand	18.1
Silt	40.2
Clay	40.9

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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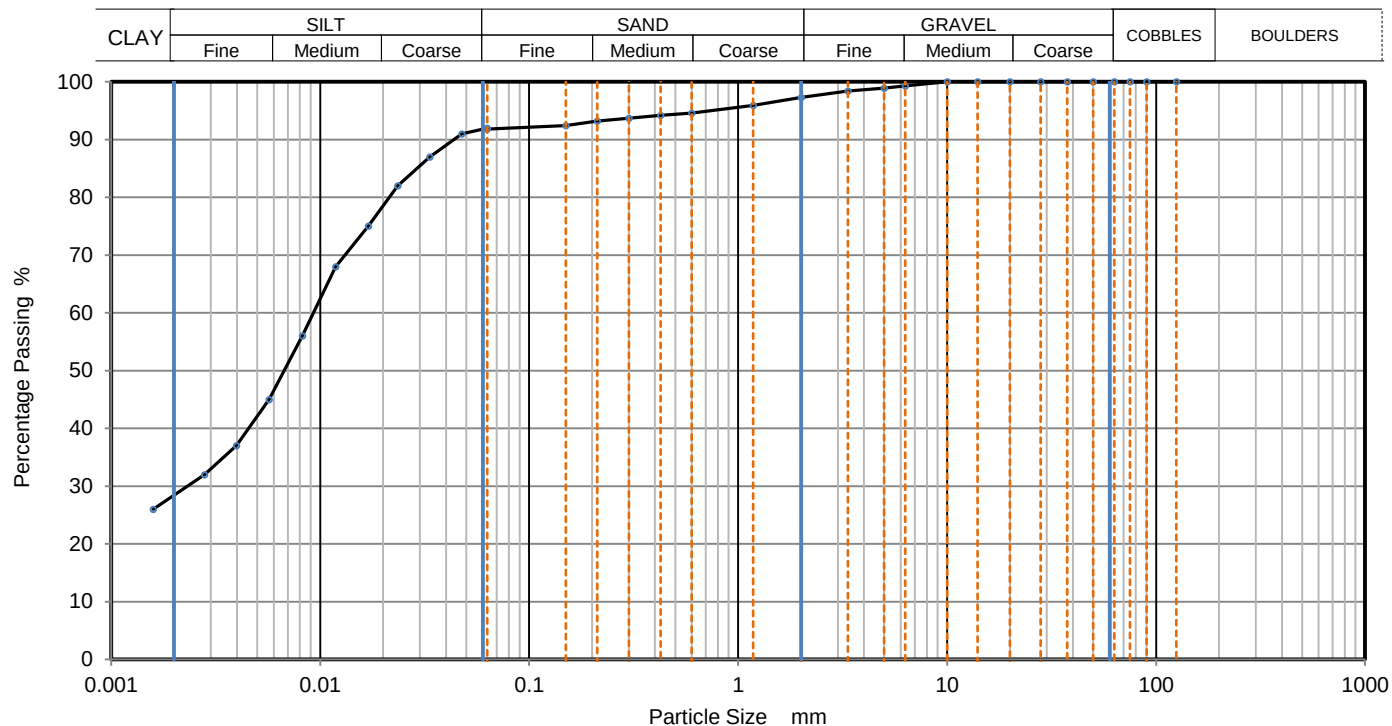
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS08
Sample No.	9
Depth Top	2.50 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	08/02/2019

Site Name	Southwater Phase V		
Project No.	GE17902	Client	GESL
Soil Description	Greyish brown slightly mottled reddish brown slightly shaley slightly sandy silty CLAY		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	92
90	100	0.0476	91
75	100	0.0335	87
63	100	0.0235	82
50	100	0.0170	75
37.5	100	0.0119	68
28	100	0.0082	56
20	100	0.0057	45
14	100	0.0040	37
10	100	0.0028	32
6.3	99	0.0016	26
5	99		
3.35	98		
2	97		
1.18	96		
0.6	95	Particle density (assumed) 2.70 Mg/m3	
0.425	94		
0.3	94		
0.212	93		
0.15	92		
0.063	92		

Dry Mass of sample, g 25

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	2.7
Sand	5.5
Silt	63.2
Clay	28.6

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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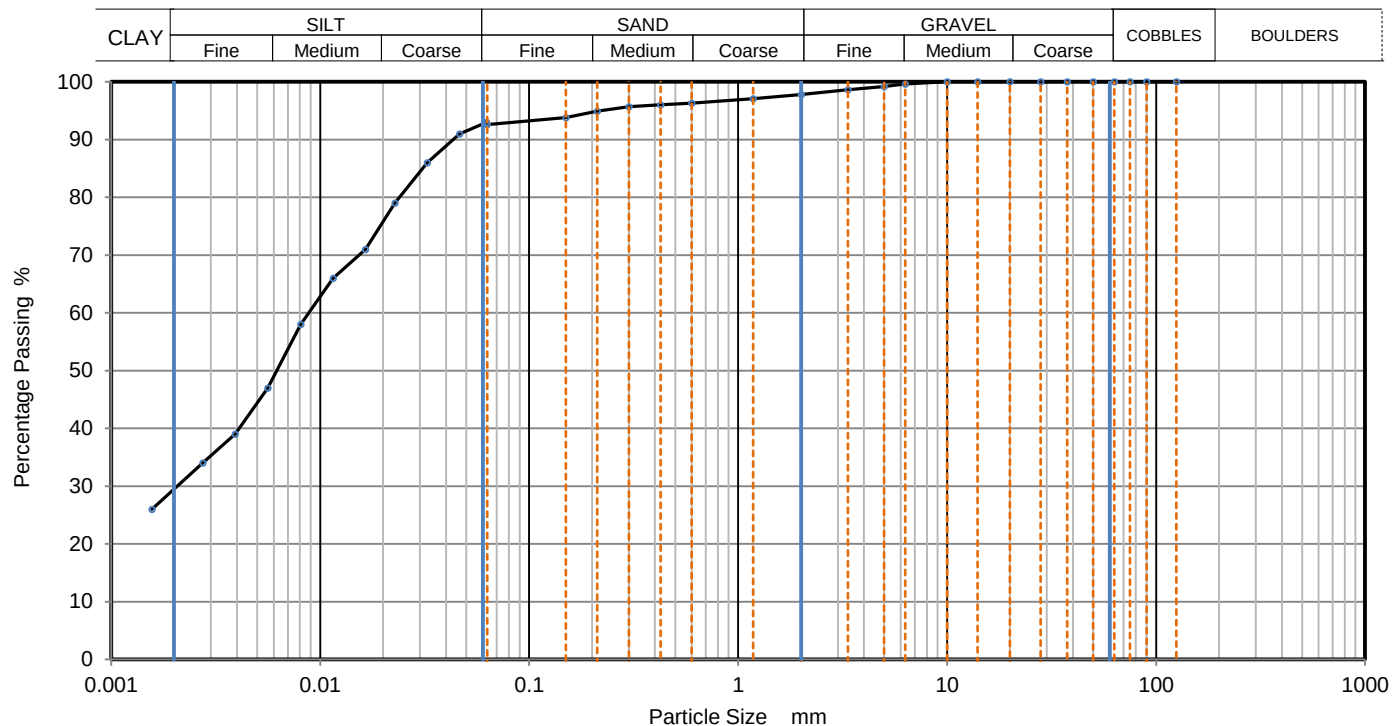
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS09
Sample No.	9
Depth Top	2.00 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019

Site Name	Southwater Phase V		
Project No.	GE17902	Client	GESL
Soil Description	Reddish brown slightly mottled bluish grey and grey slightly shaley slightly sandy silty CLAY		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0625	93
90	100	0.0464	91
75	100	0.0326	86
63	100	0.0228	79
50	100	0.0165	71
37.5	100	0.0115	66
28	100	0.0081	58
20	100	0.0056	47
14	100	0.0039	39
10	100	0.0027	34
6.3	100	0.0016	26
5	99		
3.35	99		
2	98		
1.18	97		
0.6	96	Particle density (assumed) 2.70 Mg/m ³	
0.425	96		
0.3	96		
0.212	95		
0.15	94		
0.063	93		

Dry Mass of sample, g 22

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	2.2
Sand	5.1
Silt	63.1
Clay	29.6

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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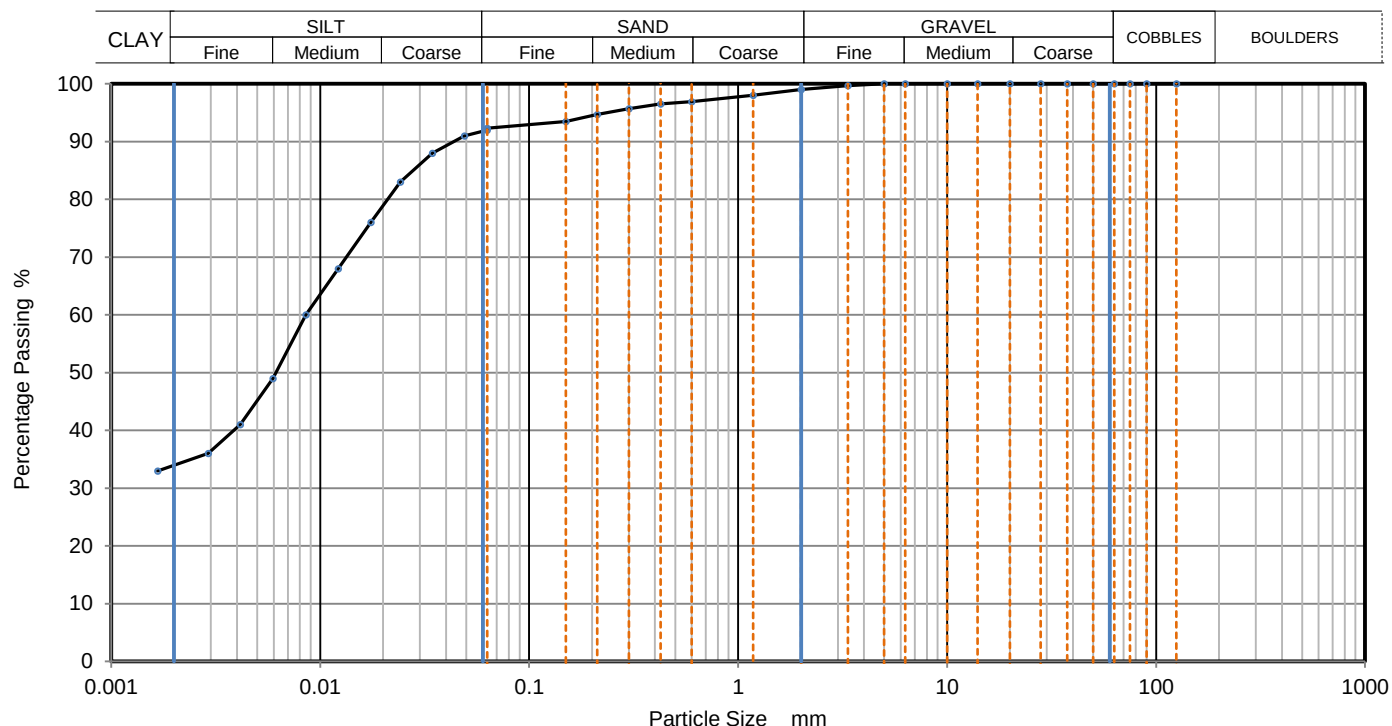
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS11
Sample No.	6
Depth Top	1.50 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	92
90	100	0.0489	91
75	100	0.0344	88
63	100	0.0242	83
50	100	0.0175	76
37.5	100	0.0122	68
28	100	0.0085	60
20	100	0.0059	49
14	100	0.0041	41
10	100	0.0029	36
6.3	100	0.0017	33
5	100		
3.35	100		
2	99		
1.18	98		
0.6	97	Particle density (assumed) 2.70 Mg/m ³	
0.425	97		
0.3	96		
0.212	95		
0.15	94		
0.063	92		

Dry Mass of sample, g 31

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	1.0
Sand	6.7
Silt	58.5
Clay	33.8

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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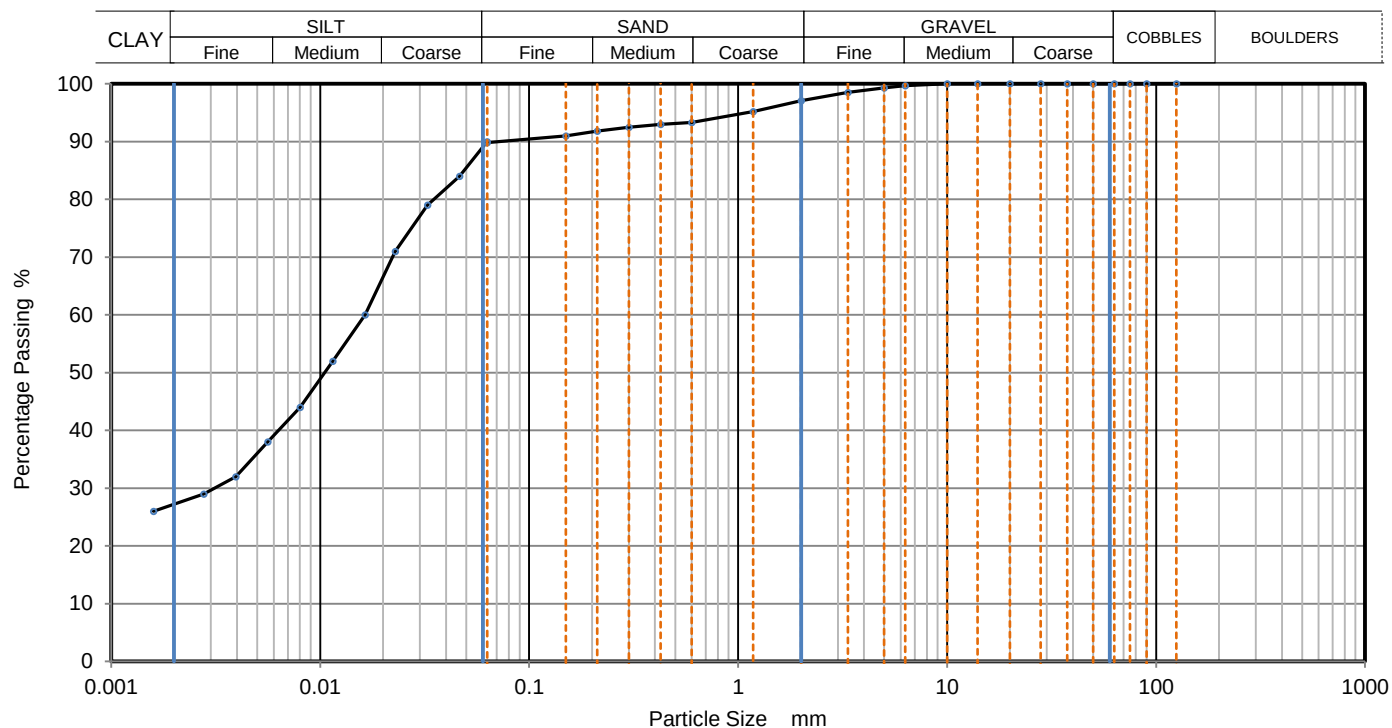
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS12
Sample No.	7
Depth Top	1.50 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	90
90	100	0.0465	84
75	100	0.0326	79
63	100	0.0228	71
50	100	0.0164	60
37.5	100	0.0115	52
28	100	0.0080	44
20	100	0.0056	38
14	100	0.0039	32
10	100	0.0028	29
6.3	100	0.0016	26
5	99		
3.35	99		
2	97		
1.18	95		
0.6	93	Particle density (assumed) 2.70 Mg/m ³	
0.425	93		
0.3	93		
0.212	92		
0.15	91		
0.063	90		

Dry Mass of sample, g

40

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	2.9
Sand	7.2
Silt	62.9
Clay	27.0

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

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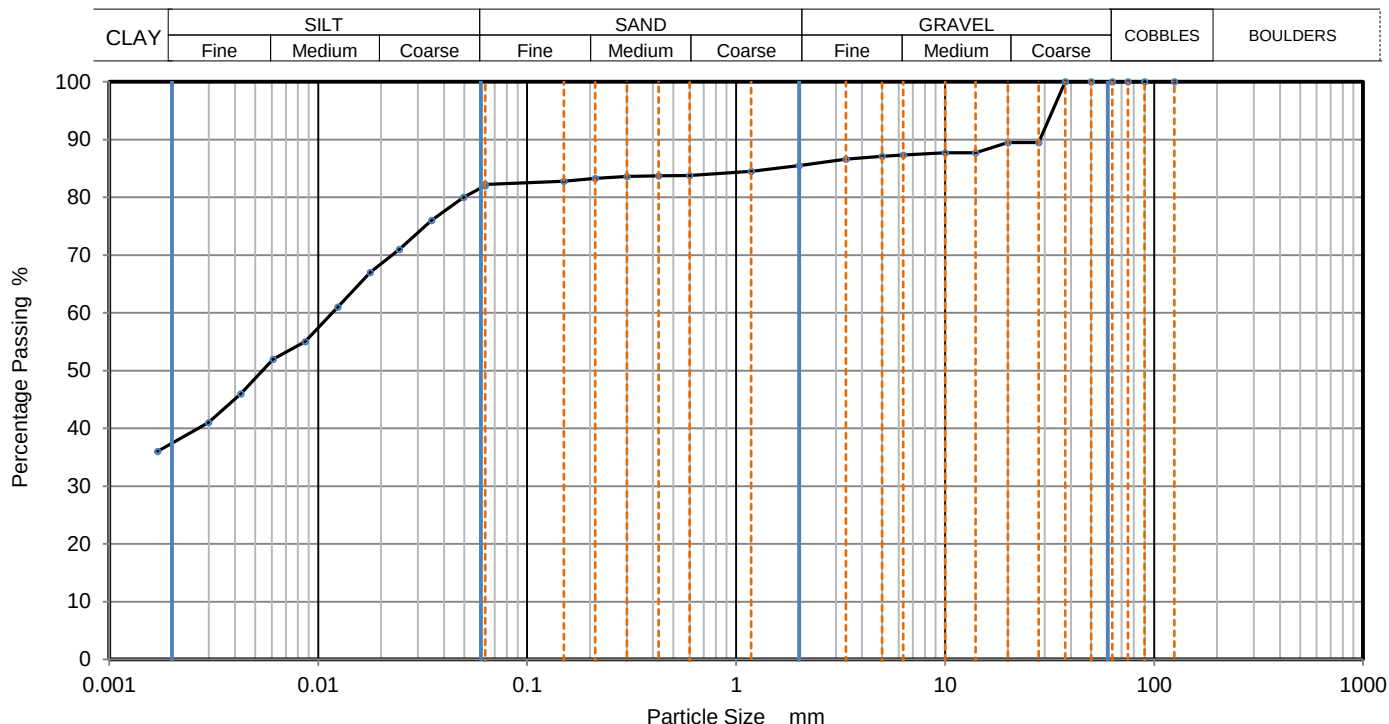
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS13
Sample No.	4
Depth Top	1.50 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	82
90	100	0.0497	80
75	100	0.0349	76
63	100	0.0244	71
50	100	0.0177	67
37.5	100	0.0124	61
28	90	0.0087	55
20	90	0.0061	52
14	88	0.0043	46
10	88	0.0030	41
6.3	87	0.0017	36
5	87		
3.35	87		
2	86		
1.18	85		
0.6	84	Particle density (assumed) 2.70 Mg/m ³	
0.425	84		
0.3	84		
0.212	83		
0.15	83		
0.063	82		

Dry Mass of sample, g 64

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	14.5
Sand	3.3
Silt	44.5
Clay	37.7

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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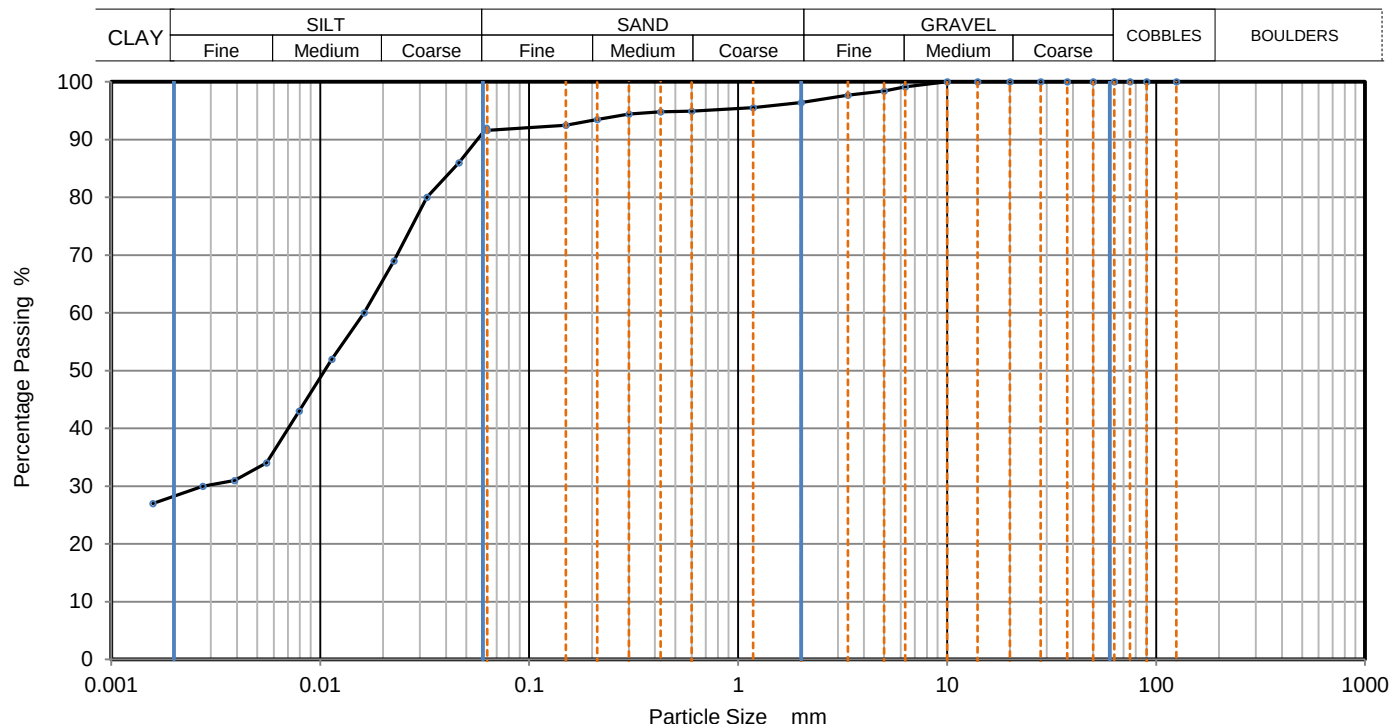
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS14
Sample No.	4
Depth Top	1.50 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	05/02/2019

Site Name	Southwater Phase V		
Project No.	GE17902	Client	GESL
Soil Description	Greyish brown slightly mottled bluish grey slightly shaley slightly sandy silty CLAY with rare mudstone fragments		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0625	92
90	100	0.0461	86
75	100	0.0324	80
63	100	0.0225	69
50	100	0.0163	60
37.5	100	0.0114	52
28	100	0.0079	43
20	100	0.0055	34
14	100	0.0039	31
10	100	0.0027	30
6.3	99	0.0016	27
5	98		
3.35	98		
2	96		
1.18	96		
0.6	95	Particle density (assumed) 2.70 Mg/m3	
0.425	95		
0.3	94		
0.212	94		
0.15	93		
0.063	92		

Dry Mass of sample, g 35

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	3.6
Sand	4.8
Silt	63.1
Clay	28.5

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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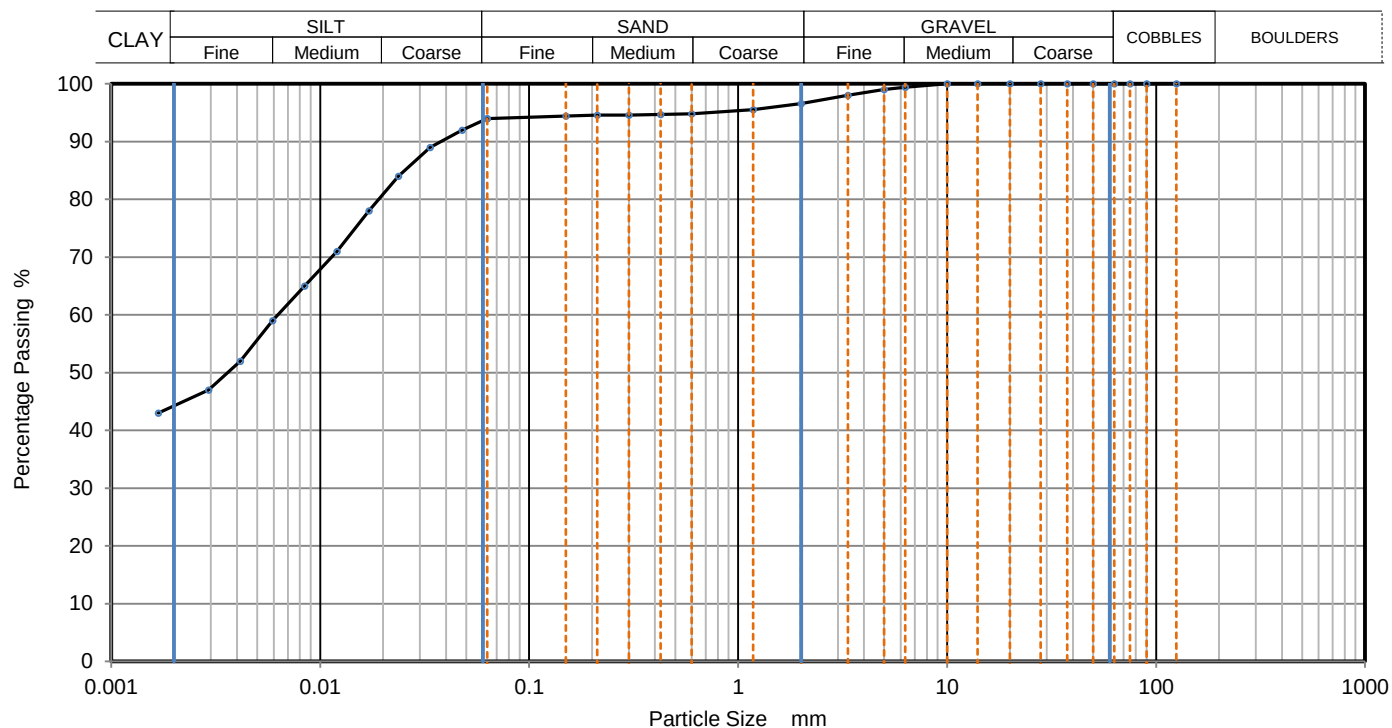
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS15
Sample No.	6
Depth Top	2.00 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	07/02/2019



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	94
90	100	0.0477	92
75	100	0.0336	89
63	100	0.0236	84
50	100	0.0171	78
37.5	100	0.0120	71
28	100	0.0084	65
20	100	0.0059	59
14	100	0.0042	52
10	100	0.0029	47
6.3	99	0.0017	43
5	99		
3.35	98		
2	97		
1.18	96		
0.6	95	Particle density (assumed) 2.70 Mg/m3	
0.425	95		
0.3	95		
0.212	95		
0.15	94		
0.063	94		

Dry Mass of sample, g 17

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	3.4
Sand	2.5
Silt	49.8
Clay	44.3

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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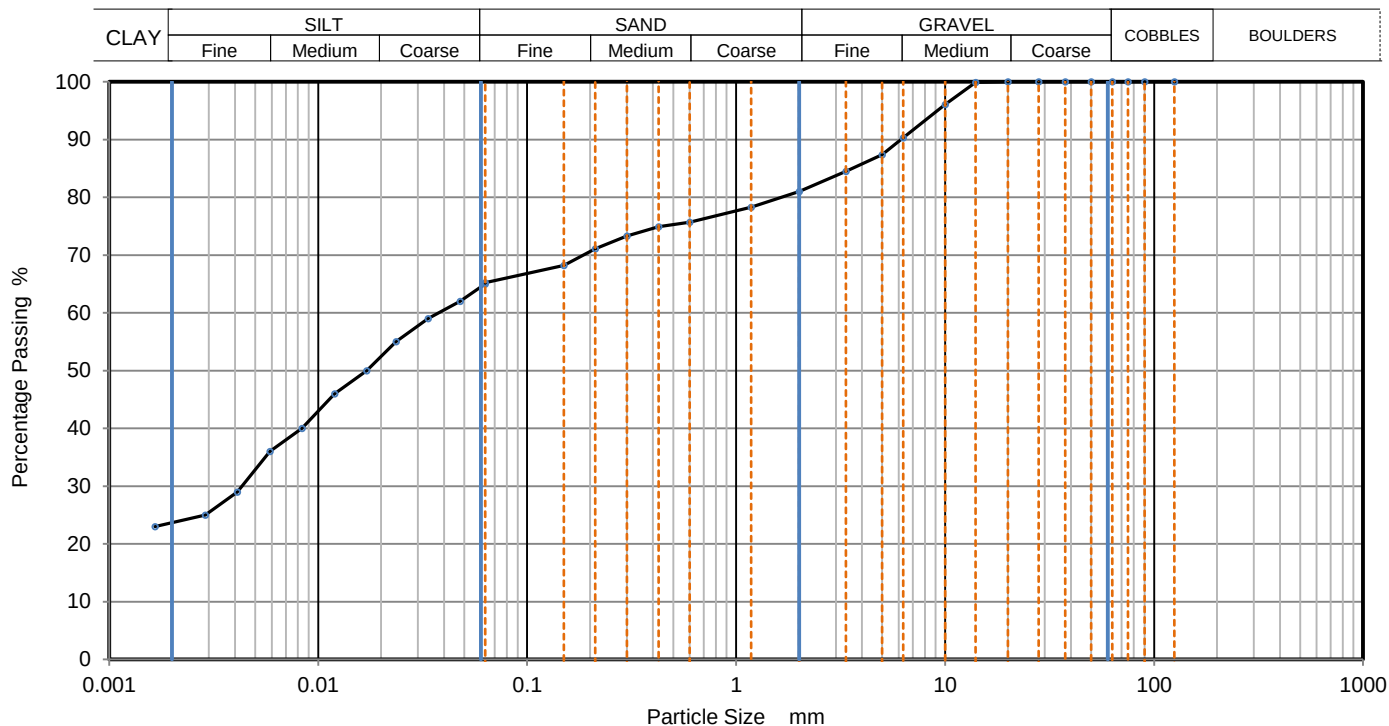
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PARTICLE SIZE DISTRIBUTION

Job Ref	25827
Borehole/Pit No.	WS16
Sample No.	6
Depth Top	2.50 m
Depth Base	- m
Sample Type	D
Samples received	15-21/01/2019
Schedules received	22/01/2019
Project started	23/01/2019
Date tested	08/02/2019

Site Name	Southwater Phase V		
Project No.	GE17902	Client	GESL
Soil Description	Dark greyish brown slightly sandy slightly shaley silty CLAY with occasional mudstone fragments		
Test Method	BS1377:Part 2: 1990, clause 9.0		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	65
90	100	0.0478	62
75	100	0.0336	59
63	100	0.0236	55
50	100	0.0171	50
37.5	100	0.0120	46
28	100	0.0084	40
20	100	0.0059	36
14	100	0.0041	29
10	96	0.0029	25
6.3	90	0.0017	23
5	87		
3.35	85		
2	81		
1.18	78		
0.6	76	Particle density (assumed) 2.70 Mg/m3	
0.425	75		
0.3	73		
0.212	71		
0.15	68		
0.063	65		

Dry Mass of sample, g 121

Sample Proportions	% dry mass
Very coarse	0.0
Gravel	19.0
Sand	15.8
Silt	41.5
Clay	23.7

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
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