



Leap Environmental Ltd
The Atrium, Curtis Road
Dorking, Surrey RH4 1XA
Tel: 01306 646510
www.leapenvironmental.com

Borehole Log

Borehole No.

WS1

Sheet 1 of 2

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534369 - 155153

Hole Type
WS

Location: Longsdon Way, Caterham, CR3 6BN













Level:

Scale
1:20

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019

Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.15			MADE GROUND: Turf over dark brown gravelly SAND Topsoil with gravels of fine to coarse, angular to rounded brick, concrete, ceramic and clinker, and occasional rootlets and sticks.	1
		0.60	ES					MADE GROUND: Light brown very gravelly medium to coarse SAND with gravels of fine to coarse brick, concrete, ceramic, natural stone and slate, and occasional cobbles of brick.	
		1.00		N=10 (1,2/3,3,2,2)					
		1.20	ES					<u>Black, odourless gravelly sand encountered at 1.2m.</u>	
					1.40			Soft to firm brown and white speckled gravelly sandy CLAY with gravels of fine to coarse, angular to sub-angular chalk and occasional flint.	2
		2.00	D					<u>Becoming pale brown below 2m.</u>	
		2.00		N=9 (1,0/2,3,1,2)					
					2.50			Structureless CHALK composed of sandy silty, fine to coarse, angular GRAVEL. Clasts are off-white, weak and medium-density. Fine to coarse, angular flint. (Chalk, Grade Dc).	3
		3.00	D						
		3.00		N=24 (7,7/7,6,6,5)					
		4.00	D		4.00				4

Continued on next sheet

Remarks

Borehole remained dry and stable. Hole completed at 4m and backfilled with arisings.



Borehole Log

Borehole No.

WS1

Sheet 2 of 2

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534369 - 155153

Hole Type	WS
-----------	----

Location: Longsdon Way, Caterham, CR3 6BN

Level:

Scale
1:20

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019

Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		4.00		N=24 (5,6/5,6,7,6)				End of borehole at 4.00 m

Remarks

Remarks
Borehole remained dry and stable. Hole completed at 4m and backfilled with arisings.





Leap Environmental Ltd
The Atrium, Curtis Road
Dorking, Surrey RH4 1XA
Tel: 01306 646510
www.leapenvironmental.com

Borehole Log

Borehole No.

WS2

Sheet 1 of 2

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534397 - 155146

Hole Type
WS

Location: Longsdon Way, Caterham, CR3 6BN

Level:

Scale
1:20

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019

Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								MADE GROUND: Blacktop.	
		0.20	ES		0.15			MADE GROUND: Greyish brown sandy GRAVEL of fine to coarse, sub-angular to angular natural stone, flint, concrete and brick.	
					0.80			MADE GROUND: Dark brown and white speckled gravelly sandy CLAY with gravels of fine to coarse, sub-angular to angular natural stone, chalk, and occasional brick and concrete.	1
		1.00	ES	N=6 (2,2/2,2,1,1)	1.10			Black, odourless gravelly sand encountered at 1m.	
		1.20	ES					Soft to firm brown and white speckled gravelly silty CLAY with gravels of fine to coarse, sub-angular to angular chalk.	
					1.60			Structureless CHALK composed of off-white, very gravelly very sandy SILT. Gravel is weak, medium-density, fine to coarse and angular. Rare fine to coarse, angular flint. (Chalk, Grade Dm).	2
		1.80	D						
		2.00		N=28 (3,5,7,7,7)	2.10			Structureless CHALK composed of very sandy silty, fine to coarse, angular GRAVEL. Clasts are white, weak and medium-density (Chalk, Grade Dc).	
		2.80	D						
		3.00		N=31 (6,6/7,8,8,8)					3
		3.80	D						
		4.00		N=20 (4,4/4,5,5,6)					4

Continued on next sheet

Remarks

Borehole remained dry and stable. Hole completed at 6m. Hole backfilled with arisings and finished with a macadam top.





Leap Environmental Ltd
The Atrium, Curtis Road
Dorking, Surrey RH4 1XA
Tel: 01306 646510
www.leapenvironmental.com

Borehole Log

Borehole No.

WS2

Sheet 2 of 2

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534397 - 155146

Hole Type
WS

Location: Longsdon Way, Caterham, CR3 6BN



Level:

Scale
1:20

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019

Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		4.80	D						5
		5.00		N=14 (4,4/4,3,3,4)					
		5.80	D						
		6.00		N=16 (2,2,1,4,4)	6.00				
								End of borehole at 6.00 m	6
									7
									8

Remarks

Borehole remained dry and stable. Hole completed at 6m. Hole backfilled with arisings and finished with a macadam top.





Leap Environmental Ltd
The Atrium, Curtis Road
Dorking, Surrey RH4 1XA
Tel: 01306 646510
www.leapenvironmental.com

Borehole Log

Borehole No.

WS3

Sheet 1 of 1

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534402 - 155125

Hole Type
WS

Location: Longsdon Way, Caterham, CR3 6BN

Level:

Scale
1:20

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019

Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.15			MADE GROUND: Turf over dark brown very gravelly SAND Topsoil with gravels of fine to coarse, sub-angular to angular brick, flint and concrete.	1
		0.40	ES					MADE GROUND: Greyish brown very gravelly medium to coarse SAND with gravels of fine to coarse, sub-angular to angular brick and concrete, occasional cobbles of brick and concrete, and slate and metal fragments.	
		0.60	ES					Fragment of possible asbestos containing material encountered at 0.6m. Suspected corrugated asbestos cement.	
								Gravels of chalk below 0.8m.	
		1.00		N=9 (0,0/1,1,4,3)				SPT refused at 1m. Hole extended laterally and continued.	
		1.50	ES		1.50			End of borehole at 1.50 m	2
									3
									4

Remarks

Borehole remained dry and stable. SPT refused at 1m. Hole extended laterally and continued. Hard obstruction encountered at 1.5m with no further progress. Hole terminated at 1.5m and backfilled with arisings.





Leap Environmental Ltd
The Atrium, Curtis Road
Dorking, Surrey RH4 1XA
Tel: 01306 646510
www.leapenvironmental.com

Borehole Log

Borehole No.

WS4

Sheet 1 of 1

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534409 - 155148

Hole Type
WS

Location: Longsdon Way, Caterham, CR3 6BN

Level:

Scale
1:20

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019

Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES					MADE GROUND: Turf over brown gravelly fine to coarse SAND Topsoil with gravels of fine to coarse, sub-angular to angular chalk, concrete, brick, and roots and occasional cobbles of flint.	
					0.60				
		0.90	ES					Soft to firm brown and white speckled gravelly sandy CLAY with gravels of fine to medium, sub-angular to angular chalk, and occasional fine to medium, angular to rounded flint.	
		1.00		N=15 (1,3/3,2,4,6)	1.00			Structureless CHALK composed of off-white, very gravelly very sandy SILT. Gravel is weak, low-density and off-white. Occasional fine to coarse, angular flint. (Chalk, Grade Dm).	1
					1.30				
		1.50	D					Structureless CHALK composed of sandy silty, fine to coarse, angular GRAVEL. Clasts are off-white, weak and medium-density (Chalk, Grade Dc).	
		2.00		N=19 (2,1,1,5,4,5)					2
		2.60	D						
		3.00		N=19 (2,4/5,4,6,4)					3
		3.80	D						
		4.00		N=24 (2,6/7,6,6,5)	4.00			End of borehole at 4.00 m	4

Remarks

Borehole remained dry and stable. Hole completed at 4m and backfilled with arisings.





Leap Environmental Ltd
The Atrium, Curtis Road
Dorking, Surrey RH4 1XA
Tel: 01306 646510
www.leapenvironmental.com

Borehole Log

Borehole No.

WS5

Sheet 1 of 1

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534406 - 155137

Hole Type
WS

Location: Longsdon Way, Caterham, CR3 6BN

Level:

Scale
1:20

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019

Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								MADE GROUND: Blacktop.	
		0.15						MADE GROUND: Greyish brown very gravelly medium to coarse SAND with gravels of fine to coarse, sub-angular to rounded natural stone, concrete and brick, occasional cobbles of concrete and brick, and a rare plastic fragment. <i>Becoming pale brown below 0.4m.</i>	
		0.50	ES		0.60			End of borehole at 0.60 m	
									1
									2
									3
									4

Remarks

Borehole remained dry and stable. Concrete obstruction encountered at 0.6m with no further progress. Hole terminated at 0.6m. Hole backfilled with arisings and finished with a macadam top. Replaced with WS5a.





Leap Environmental Ltd
The Atrium, Curtis Road
Dorking, Surrey RH4 1XA
Tel: 01306 646510
www.leapenvironmental.com

Borehole Log

Borehole No.

WS5a

Sheet 1 of 2

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534411 - 155138

Hole Type
WS

Location: Longsdon Way, Caterham, CR3 6BN

Level:

Scale
1:20

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019

Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.15			MADE GROUND: Turf over dark brown gravelly SAND Topsoil with gravels of fine to coarse, sub-angular to angular brick, flint and chalk.	
								MADE GROUND: Light brown gravelly medium SAND with gravels of fine to coarse, sub-angular to angular chalk, flint, and occasional brick and common roots.	
		1.00	ES	N=19 (2,2/2,3,6,8)	0.90			Soft to firm brown and white speckled gravelly silty CLAY with gravels of fine to coarse, sub-angular to angular chalk, occasional flint and roots. Recovered as desiccated.	1
		1.00			1.10				
		1.20	ES					Structureless CHALK composed of sandy silty, fine to coarse, angular GRAVEL. Clasts are off-white, weak and medium-density. Occasional fine to coarse, angular flint and cobbles of angular flint. (Chalk, Grade Dc).	
		1.50	D						
		2.00		N=16 (3,1,1,5,4,3)					2
		2.50	D		2.60				
		2.80	D					Slightly clayey sandy SILT. Sand is fine. Weak fissured structures in clayey pockets.	
		3.00		N=25 (2,2/3,4,9,9)	3.20				3
		3.60	D					Structureless CHALK composed of sandy silty, fine to coarse, angular to GRAVEL. Clasts are off-white, strong and high-density (Chalk, Grade Dc).	
		4.00		N=24 (6,5/5,7,6,6)					4

Continued on next sheet

Remarks

Borehole remained dry and stable. Hole completed at 6m and backfilled with arisings.





Leap Environmental Ltd
The Atrium, Curtis Road
Dorking, Surrey RH4 1XA
Tel: 01306 646510
www.leapenvironmental.com

Borehole Log

Borehole No.

WS5a

Sheet 2 of 2

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534411 - 155138

Hole Type
WS

Location: Longsdon Way, Caterham, CR3 6BN

Level:

Scale
1:20

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019



Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		4.70	D						
		5.00		N=30 (6,7/7,7,8,8)					5
		5.50	D						
		6.00		N=21 (4,1,1,7,5,5)	6.00				6
									7
									8

Remarks

Borehole remained dry and stable. Hole completed at 6m and backfilled with arisings.



 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Tel: 01306 646510 www.leapenvironmental.com					<h1>Borehole Log</h1>			Borehole No. SA1 Sheet 1 of 2			
Project Name: Longsdon Way, Caterham					Project No. LP1957		Co-ords: Approx. 534405 - 155154		Hole Type HA		
Location: Longsdon Way, Caterham, CR3 6BN					Level:		Scale 1:10		Logged By AH		
Client: Croudace Portland					Dates: 07/06/2019 - 07/06/2019						
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
1					0.10			MADE GROUND: Turf over dark brown gravelly SAND Topsoil with gravels of fine to coarse, sub-angular to angular brick and concrete.		1	
		0.30	ES					MADE GROUND: Light brown gravelly medium to coarse SAND with cobbles and gravels of fine to coarse, sub-angular to angular brick and concrete, and ceramic fragments.			
					1.20						
					2.00			Brown very sandy clayey GRAVEL of fine to coarse, angular to rounded flint, and sub-angular chalk.			
Continued on next sheet											2
Remarks Hand pit remained dry and stable. natural soil not encountered by hand digging down to. Hole was cased to 2m and drilled open-holed to 2.6m. 1 No. soakage test conducted within the hole. Hole completed at 2.6m and backfilled with arisings.											

Borehole Log

Borehole No.

SA1

Sheet 2 of 2

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534405 - 155154

Hole Type
HA

Location: Longsdon Way, Caterham, CR3 6BN

Level:

Scale
1:10

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019

Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					2.60			Structureless CHALK composed of off-white, very gravelly very sandy SILT. Gravel is weak, medium-density, fine to coarse and angular. Rare fine to coarse, angular flint. (Chalk, Grade Dm).
End of borehole at 2.60 m								

Remarks

Hand pit remained dry and stable. natural soil not encountered by hand digging down to. Hole was cased to 2m and drilled open-holed to 2.6m. 1 No. soakage test conducted within the hole. Hole completed at 2.6m and backfilled with arisings.

AGS



Leap Environmental Ltd
The Atrium, Curtis Road
Dorking, Surrey RH4 1XA
Tel: 01306 646510
www.leapenvironmental.com

Borehole Log

Borehole No.

SA2

Sheet 1 of 1

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534398 - 155136

Hole Type
HA

Location: Longsdon Way, Caterham, CR3 6BN

Level:

Scale
1:10

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019

Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Blacktop.
		0.40	ES		0.20			MADE GROUND: Brown gravelly clayey medium to coarse SAND with cobbles and gravels of fine to coarse, sub-angular to angular brick, concrete and natural stone sub-base.
					1.20			End of borehole at 1.20 m

Remarks

Hand pit remained dry and stable. Pit filled with rainwater during the digging and following completion at the bottom of the hand pit. Soakage test not conducted. Pit terminated at 1.2m and backfilled with arisings.



Borehole Log

Borehole No.

SA3

Sheet 1 of 1

Project Name: Longsdon Way, Caterham

Project No.
LP1957

Co-ords: Approx. 534409 - 155130

Hole Type
HA

Location: Longsdon Way, Caterham, CR3 6BN




Level:

Scale
1:10

Client: Croudace Portland

Dates: 07/06/2019 - 07/06/2019

Logged By
AH

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	ES		0.50			MADE GROUND: Turf over brown gravelly SAND Topsoil with gravels of fine to coarse, sub-angular to angular brick and concrete, and ceramic and rare metal fragments.
					0.80			MADE GROUND: Structureless CHALK composed of sandy, fine to coarse, sub-angular to angular GRAVEL. Clasts are off-white, weak and medium-density. (Chalk, Grade Dc).
		<div>End of borehole at 0.80 m</div>						

Remarks

Remarks
Hand pit remained dry and stable. 3 No. soakage tests conducted within the pit. Hole completed at 0.8m and backfilled with arisings.

AGS