

ARUN DISTRICT COUNCIL LU/184/21/DOC

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Trial Pit Log Trialpit No TP104 Sheet 1 of 1							
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503691 - 104145 Level: 4.29		Date 05/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Dimensions (m):		Scale 1:25	
Client: Persimmon Homes Thames Valley				Depth 3.10		Logged AU	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES	N=36	0.30	3.99		Grass over brown silty clayey TOPSOIL with occasional rootlets.	1
							Firm to stiff orange brown sandy slightly silty CLAY with gravel of angular fine flint.	
	0.60	ES						
	0.80	D						
	1.40	D						
			1.20	3.09		Light grey to off white structureless medium density clayey CHALK recovered as an angular coarse chalk gravel. Dm grade.	2	
			3.10	1.19		Water struck at 2.9m with a slow flow rate. End of pit at 3.10 m	3	
								4
								5

Remarks: Water struck at 2.9m with a slow flow rate.	AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS
Stability: Unstable	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA		Trial Pit Log		Trialpit No TP105 Sheet 1 of 1	
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503692 - 104046 Level:	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP		Dimensions (m):		Date 09/12/2019	
Client: Persimmon Homes Thames Valley		Depth 3.00		Scale 1:25 Logged OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.15	ES	N=21	0.25		Grass over brown to dark brown gravelly silty TOPSOIL with gravel of subangular to subrounded flint and frequent rootlets.	
	0.40	ES				Firm brown to orange brown silty slightly gravelly CLAY with gravel of subangular to subrounded fine to coarse flint.	
	1.00	D				Hand Pen at 1m = 110kPa	
	1.40					Off white structureless silty clayey low density CHALK recovered as an angular coarse chalk gravel. Dm grade.	
	2.50			2.50		Off white structureless silty clayey moderate to high density CHALK recovered as an angular coarse chalk gravel. . Dc grade.	
	2.80	D		3.00		End of pit at 3.00 m	

Remarks: Fast flowing seepage encountered at 2.3m. Water level reached 2.0m after 5m.	
Stability: Major collapse below 2.3m.	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP106 Sheet 1 of 1	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503691 - 104074 Level: 3.65		Date 05/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP						Dimensions (m):		Scale 1:25	
Client: Persimmon Homes Thames Valley						Depth 3.30		Logged AU	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale	
	Depth	Type	Results						
	0.15	ES	N=38	0.30	3.35		Grass over orange brown silty clayey slightly gravelly TOPSOIL with gravel of angular medium chalk and frequent roots.	1	
	0.40	ES					Friable orange brown silty CLAY with occasional gravel of flint and rootlets.		
	0.60	D					Stiff orange brown silty CLAY with occasional pockets of angular fine to medium ironstone.		
							<u>Hand Pen at 1.0m = 220kPa.</u>		
				1.20	2.45		Stiff orange brown slightly gravelly CLAY with occasional gravel of angular medium to coarse flint .		2
			2.75	0.90		Off white to cream medium dense structureless CHALK recovered as an angular coarse chalk gravel. Dc grade.	3		
2.90	D		3.30	0.35		End of pit at 3.30 m		4	
									5

Remarks: Small seepage at 3.3m with a slow flow rate.	
Stability: Stable	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log			Trialpit No TP107 Sheet 1 of 1		
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503655 - 104158 Level: 4.23		Date 04/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Dimensions (m):			Scale 1:25		
Client: Persimmon Homes Thames Valley				Depth 2.90			Logged OA		

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
	Depth	Type	Results							
▼	0.20	ES	N=10	0.30	3.93		Grass over brown to reddish brown silty clayey TOPSOIL with frequent rootlets.			
	0.40	ES		0.50	3.73			Brown to reddish brown silty clayey SUBSOIL.		
	1	1.20		D	1.40			2.83		Soft brown silty CLAY.
		2		Hand Pen at 1.2m = 80kPa						
							Off-white to mottled light brown structureless gravelly silty low density CHALK recovered as gravel of subangular medium to coarse chalk. Dm grade.			
1.70	D	2.90	1.33		End of pit at 2.90 m					
3	4	5	5		5	5				

Remarks: Fast flowing seepage encountered at 2.9m. Water level arose to 2.65m after 5 minutes.	AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS
Stability: Minor collapse below 2.5m	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP108 Sheet 1 of 1	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503830 - 104098 Level: 3.43		Date 10/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP						Dimensions (m):		Scale 1:25	
Client: Persimmon Homes Thames Valley						Depth 3.00		Logged OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
▼	0.10	ES	N=16	0.30	3.12		Grass over brown to dark brown silty gravelly CLAY with gravel of subrounded fine to medium flint.	1
	0.40	ES		0.50	2.92		Brown to orange silty medium slightly gravelly SAND with pockets of clay and occasional subrounded cobbles of flint.	
	1.00	D					Cream to off white structureless silty clayey high density CHALK recovered as an angular coarse chalk gravel. Dc grade.	
	2.90	D						
				3.00	0.42		End of pit at 3.00 m	3
								4
								5

Remarks: Fast flowing water seepage encountered at 2.5m.	AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS
Stability: Stable	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP109 Sheet 1 of 1	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503780 - 104066 Level: 4.20		Date 09/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Dimensions (m):				Scale 1:25	
Client: Persimmon Homes Thames Valley				Depth 3.00				Logged OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	1	2	3	4	5
	Depth	Type	Results									
▼	0.15	ES	N=10	0.30	3.90		Grass over brown to orange brown silty gravelly clayey TOPSOIL with gravel of subangular to subrounded fine to coarse flint and chalk and frequent rootlets.					
	0.40	ES					Stiff brown to orange brown silty gravelly CLAY with gravel of subangular to sub rounded flint and chalk.					
	0.60	D					Hand Pen at 0.6m = 196.6kPa					
					0.80	3.40		Yellowish light brown clayey gravelly silty CHALK recovered as a silty clayey gravel of subangular to subrounded fine to coarse chalk. Grade Dc				
			1.80	2.40	Off white structureless silty clayey high density gravelly CHALK recovered as angular cobbles of chalk. Dc grade.							
			3.00	1.20	End of pit at 3.00 m							

Remarks: Fast flowing seepage encountered at 2.8m. Water level arose to 2.7m after 5 minutes.	AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS
Stability: Stable	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP110 Sheet 1 of 1	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503856 - 104041 Level: 4.40		Date 10/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP						Dimensions (m):		Scale 1:25	
Client: Persimmon Homes Thames Valley						Depth 2.90		Logged OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
	Depth	Type	Results					
▼	0.15	ES	N=35	0.15	4.25		Grass over brown to dark brown gravelly silty clayey TOPSOIL with gravel of subangular to subrounded fine to coarse chalk and flint. Stiff light cream to light brown sandy slightly gravelly CLAY with occasional gravel of rounded fine chalk.	1
	0.50	D		0.60	3.80			1
	0.50	ES						2
	1.00	D		2.00	2.40			2
				2.90	1.50		Off white structureless low density silty gravelly CHALK with gravel of subangular to subrounded cobbles of flint. Recovered as a silty gravel of subrounded to subangular fine to coarse flint. Dm grade.	3
					End of pit at 2.90 m			4
								5

Remarks: Slow flowing seepage encountered at 2.8m.	AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS
Stability: Stable	

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Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Trial Pit Log Trialpit No TP112 Sheet 1 of 1							
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503779 - 104016 Level: 4.22		Date 10/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Dimensions (m):		Scale 1:25	
Client: Persimmon Homes Thames Valley				Depth 3.00		Logged OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
▼	0.15	ES	N=120	0.15	4.07		Grass over brown to orange brown silty clayey gravelly TOPSOIL with gravel of subangular to subrounded fine to coarse flint.	1
	0.40	ES		0.50	3.72		Light brown to orangish brown clayey gravelly SAND with gravel of subrounded fine chalk and occasional coarse sub rounded flint.	
	1.00	D		0.90	3.32		Yellowish cream structureless gravelly sandy silty CHALK recovered as a clayey silt with gravel of subrounded to subangular fine to coarse chalk. Dm grade.	
	2.70	D		3.00	1.22		Off white poorly consolidated silty slightly clayey high density CHALK recovered as an angular gravel of chalk. Dc grade. <i>Frequent chalk cobbles below 1.5m.</i>	
							End of pit at 3.00 m	3
								4
								5

Remarks: Fast flowing seepage encountered at 2.5m.	
Stability: Major collapse below 2.6m.	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log			Trialpit No TP113 Sheet 1 of 1		
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503826 - 103963 Level: 4.44		Date 09/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Dimensions (m):			Scale 1:25		
Client: Persimmon Homes Thames Valley				Depth 2.50			Logged OA		

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	1	2	3	4	5	
	Depth	Type	Results										
	0.10	ES	N=44	0.20	4.24		Grass over brown to dark brown silty clayey gravelly TOPSOIL with gravel of fine to medium subangular to subrounded flint and chalk and frequent rootlets.						
	0.50	ES						Soft becoming firm brown to orange brown gravelly silty CLAY with gravel of fine to coarse subangular to subrounded chalk and flint.					
	0.70	D						Hand Pen at 0.7m = 86.66kPa					
								Off white structureless gravelly silty clayey high density CHALK recovered as a gravel of subangular to subrounded fine to coarse flint and angular fine to coarse and cobbles cobbles of chalk. Dc grade.					
	2.30	D		2.50	1.94		End of pit at 2.50 m						

Remarks: Trial pit remained dry and stable.

Stability: Stable

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Trial Pit Log Trialpit No TP114 Sheet 1 of 1							
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503779 - 103966 Level: 4.43		Date 09/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Dimensions (m):		Scale 1:25	
Client: Persimmon Homes Thames Valley				Depth 2.80		Logged OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	ES		0.30	4.13		Grass over brown to dark brown silty clayey gravelly MADE GROUND with gravel of fine to coarse subangular to subrounded flint, occasional coarse fragments of brick and occasional coarse fragments of plastic. Firm brown to orange brown silty gravelly CLAY with gravel of fine to coarse subangular to subrounded flint and occasional fragments of fine to coarse brick. (REWORKED)	1
	0.40	ES						
	1.00	D	N=13	1.50	2.93		Hand Pen at 1m = 133.33kPa	2
	2.70	D		2.80	1.63		End of pit at 2.80 m	3
								4
								5

Remarks: Trial pit remained dry and stable.		AGS AGS AGS AGS AGS
Stability: Stable		AGS AGS AGS AGS AGS

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP115 Sheet 1 of 1	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503724 - 104011 Level: 3.87		Date 09/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP						Dimensions (m):		Scale 1:25	
Client: Persimmon Homes Thames Valley						Depth 3.00		Logged OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
	Depth	Type	Results					
	0.15	ES	N=35	0.30	3.57		Grass over brown to dark brown gravelly silty clayey TOPSOIL with gravel of fine to coarse subangular to subrounded flint and frequent rootlets.	1
	0.40	ES					Firm to stiff brown to orange brown gravelly silty firm CLAY with gravel of fine to coarse subangular to subrounded chalk and flint.	
	1.00	D		1.20	2.67		<i>Hand Pen at 1m = 163.33kPa</i>	
	2.80	D		3.00	0.87		<i>Mottling on chalk clasts encountered at 2.6m.</i>	
End of pit at 3.00 m							3 4 5	

Remarks: Fast flowing seepage encountered at 2.5m. Water level reached 2.65m after 5 minutes.	AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS
Stability: Minor collapse below 2.5m	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Trial Pit Log Trialpit No TP116 Sheet 1 of 1							
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503782 - 103929 Level: 4.14		Date 09/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Dimensions (m):		Scale 1:25	
Client: Persimmon Homes Thames Valley				Depth 3.00		Logged OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	ES		0.30	3.84		Grass over brown to dark brown silty clayey slightly gravelly TOPSOIL with gravel of subangular to subrounded fine to coarse flint and fine chalk and frequent rootlets.	1 2 3 4 5
	0.40	ES					Soft brown to dark brown silty CLAY with occasional gravel of subrounded to subangular fine to coarse flint and fine to medium chalk.	
	1.00	D	N=35		Hand Pen at 1m = 70kPa			
	2.90	D			Cobbles of flint encountered below 1.6m. Hand Pen at 2.3m = 76.6kPa			
				2.70	1.44		Off white structureless silty clayey gravelly high density CHALK recovered as gravel of angular coarse chalk. Dc grade.	
			3.00	1.14		End of pit at 3.00 m		

Remarks: Moderate seepage encountered at 2.5m.	AGS AGS AGS AGS
Stability: Moderate collapse below 2.7m.	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP117 Sheet 1 of 1	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503850 - 103998 Level: 4.13		Date 09/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Dimensions (m):				Scale 1:25	
Client: Persimmon Homes Thames Valley				Depth 3.00				Logged OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	1	2	3	4	5
	Depth	Type	Results									
	0.15	ES	N=35	0.30	3.83		Grass over brown to dark brown silty gravelly CLAY with gravel of subangular to sub rounded fine to coarse flint and chalk.					
	0.50	ES		1.30	2.83		Medium dense to dense brown to light orange brown silty gravelly medium SAND with gravel of fine to coarse and cobbles of flint and fine to coarse chalk.					
	1.00	B		2.50	1.63		Off-white structureless silty high density CHALK recovered as silty gravel of coarse angular chalk. Dm grade.					
	2.90	D		3.00	1.13		Off-white structureless silty high density CHALK recovered as silty gravel of coarse angular chalk. Dc grade. <i>Cobbles of chalk encountered below 2.5m</i>					
							End of pit at 3.00 m					

Remarks:	Moderate seepage encountered at 2.8m. Water level arose to 2.7m after 5 minutes.	
Stability:	Moderate collapse below 2.5m.	

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Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP119 Sheet 1 of 1	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503879 - 104132 Level: 3.11		Date 05/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP						Dimensions (m):		Scale 1:25	
Client: Persimmon Homes Thames Valley						Depth 3.00		Logged AU	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.15	ES	N=11	0.30	2.80		Grass over clayey silty slightly gravelly TOPSOIL with gravel of rounded fine to medium flints and occasional rootlets.	
	0.35	ES					Firm brown mottled orange slightly gravelly CLAY with gravel of subangular to rounded fine to coarse flint and chalk.	
	<i>Hand Pen at 0.6m = 106.6kPa</i>							
	<i>Proportion of yellow creamy chalk increases below 0.8m.</i>							
	1.40	D					Yellowish cream structureless clayey CHALK recovered as angular fine to coarse chalk gravel. Dc grade.	
2.60	D		3.00	0.10		<i>Chalk becomes more clean white in colour below 1.8m.</i>		
End of pit at 3.00 m								

Remarks:	Water struck at 2.0m with a high flow rate. After 10 minutes water rose from 2.9m to 2.6m.	
Stability:	from 2.1m the trial pit collapsed in on itself.	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Trial Pit Log Trialpit No TP120 Sheet 1 of 1							
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503806 - 104143 Level: 3.50		Date 05/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Dimensions (m):		Scale 1:25	
Client: Persimmon Homes Thames Valley				Depth 2.90		Logged AU	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.15	ES	N=15	0.30	3.20		Brown mottled orange slightly silty clayey TOPSOIL with occasional rounded coarse flint.	1
	0.45	ES						
	1.00	D			Stiff light brown CLAY with orange mottling and occasional pockets of yellowish cream chalk.			
	1.45	D			Sample too friable for Hand Pen at 1.2m.			
	2.90	B		2.90	0.60	End of pit at 2.90 m		
								4
								5

Remarks: Water struck at 2.1m. After 10 minutes water rose from 2.2m to 2.0m.	AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS
Stability: Trial pit collapsed in on itself from 2.4m.	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Trial Pit Log Trialpit No TP121 Sheet 1 of 1							
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503888 - 104182 Level: 3.16		Date 06/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Dimensions (m):		Scale 1:25	
Client: Persimmon Homes Thames Valley				Depth 2.80		Logged OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
▼	0.15	ES	N=15	0.30	2.86		Grass over brown silty gravelly clayey TOPSOIL with gravel of subangular to subrounded fine to coarse flint.	1
	0.40	ES				Brown silty clayey medium SAND.		
	0.70					Medium dense brown to grey silty clayey medium SAND.		
	1.60				Off white to white medium to low density gravelly silty CHALK recovered as silty gravel of subrounded to subangular fine to coarse chalk and flint. Dm grade.	2		
2.70	D		2.80	0.36			End of pit at 2.80 m	3
								4
								5

Remarks: Slow flow seepage encountered at 1.8m.	AGS AGS AGS AGS AGS AGS AGS AGS AGS AGS
Stability: Moderate pit collapse below 2.5m	

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