

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP123 Sheet 1 of 1	
Project Name: North Littlehampton			Project No. LP2128		Co-ords: 503813 - 104194 Level: 3.50		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 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=18	0.20	3.30		Grass over brown silty gravelly clayey TOPSOIL with gravel of subangular to subrounded fine to coarse flint.
	0.40	ES		0.50	3.00		
				0.80	2.70		
				1.40	2.10		
				1.80	1.70		
	2.30	D		3.00	0.50		
						End of pit at 3.00 m	

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

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Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 		Trial Pit Log		Trialpit No TP125 Sheet 1 of 1	
Project Name: North Littlehampton		Project No. LP2128	Co-ords: 503936 - 104216 Level:		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 3.50

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.15	ES	N=11	0.20			Black slightly sandy silty very organic MADE GROUND.		
	0.40	ES		0.40			Dark grey silty MADE GROUND with occasional fine fragments of plastic.		
	1.00	D		1		1.30		Firm mottled orange brown gravelly sandy silty CLAY with gravel of subangular to subrounded fine to coarse flint.	
	Hand Pen at 1m = 106.6kPa								
	Firm grey silty gravelly CLAY with gravel of subangular to subrounded fine to coarse flint.								
2.10	D	2	2.00		Stiff blueish grey CLAY.				
Hand Pen at 2.1m = 190kPa									
			3	3.50		End of pit at 3.50 m			
						4			
			5						

Remarks: Seepage at 2.0m	
Stability: Moderate pit collapse below 2m	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA		Trial Pit Log		Trialpit No TP126 Sheet 1 of 1	
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503826 - 104250 Level: 3.21	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP		Dimensions (m):		Date 06/12/2019	
Client: Persimmon Homes Thames Valley		Depth 2.90		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=28	0.20	3.01		Grass over dark brown to black slightly clayey slightly silty TOPSOIL.
	0.50	ES		0.55	2.66		Loose reddish brown slightly silty gravelly SAND with gravel of rounded medium to coarse flint and angular coarse chalk with occasional rootlets.
	1.00	B					Stiff orangish brown sandy slightly gravelly CLAY with gravel of subangular to subrounded fine to coarse flint. <u>Hand Pen at 1.0m = 173.3kPa</u>
				1.45	1.76		Friable mottled orange brown grey slightly silty gravelly CLAY with gravel of angular coarse ironstone and chalk.
	1.80	D		1.60	1.61		Stiff grey with orange mottling slightly silty CLAY with thin laminations within the clay increasing with depth. <u>Hand Pen at 1.6m = 226.6kPa</u>
				2.00	1.21		Firm orange grey mottled slightly sandy CLAY with occasional gravel of rounded coarse flint. <u>Hand Pen at 2.0m = 90kPa</u>
	2.70	D		2.50	0.71		Soft brown with orange mottling very sandy CLAY with occasional gravel of angular coarse ironstone. <u>Too sandy for hand pen reading at 2.6m.</u>
				2.90	0.31		End of pit at 2.90 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 TP127 Sheet 1 of 1	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503753 - 104223 Level: 4.07		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	Scale		
	Depth	Type	Results							
	0.15	ES	N=27	0.15	3.92		Grass over slightly silty clayey brown TOPSOIL with frequent rootlets.	1 2 3 4 5		
	0.40	ES			Soft slightly silty slightly gravelly orangish brown CLAY with gravel of angular fine to coarse sandstone and pockets of greenish dark grey mottled silty clay.					
	0.60	D				Stiff slightly sandy silty orangish brown CLAY with infrequent gravel of coarse ironstone. Becomes sandier with depth. <u>Sample too friable for Hand Pen at 1.0m.</u>				
	2.00	D				2.00	2.07			Medium density white to cream structureless clayey CHALK with occasional gravel of angular fine to coarse sandstone.
				End of pit at 3.00 m						
			3.00	1.07						

Remarks: Slow flowing seepage at 2.9m	
Stability: Minor collapse after completion due to inflow of water	

Leap Environmental Ltd The Atrium, Curtis Road B. H. S. BN1 1YU		Trial Pit Log			Trialpit No TP128	
					Sheet 1 of 1	
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503765 - 104163 Level: 3.76		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 2.40		Logged AU

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.15	ES	N=25	0.30	3.46		Grass over brown mottled orange silty clayey TOPSOIL
	0.25	ES					Structureless medium density white to cream slightly clayey CHALK recovered as clayey gravel of angular medium to coarse chalk. Dm grade.
	1.00	B			1.00	2.76	Structureless white to cream clayey CHALK recovered as gravel of medium to coarse and cobbles of chalk. Dc grade.
	2.50	B			2.40	1.36	End of pit at 2.40 m

Remarks: Water struck at 2.4m with a high flow rate. After 10 minutes water level rose from 2.8m to 2.4m.	
Stability: Chalk undercuts the trial pit at 2.4m causing the trial pit to collapse in on itself.	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log			Trialpit No TP129 Sheet 1 of 1	
Project Name: North Littlehampton		Co-ords: 503716 - 104183 Level: 4.28		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 2.80		Logged AU		

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale	
	Depth	Type	Results						
	0.15	ES	N=28	0.15	4.13		Dark brown slightly silty clayey TOPSOIL with gravel of angular fine to coarse sandstone. Loose dark brown to orange slightly clayey gravelly medium SAND with gravel of subangular fine to coarse sandstone. Proportion of clay decreases with depth. Becomes more gravelly with depth.	1	
	1.00	B ES		1.00	3.28		Medium dense light brown orange gravelly medium SAND with gravel of subrounded fine to coarse white chalk.		
	1.00			1.30	2.98		Structureless medium density white to cream sandy CHALK with gravel of angular medium to coarse chalk. Dc grade.		
	2.80			1.48	End of pit at 2.80 m				
									2
									3
									4
									5

Remarks: Water struck at 2.8m with a slow flow rate.	
Stability: Stable	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log			Trialpit No TP130 Sheet 1 of 1		
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503669 - 104209 Level: 3.99		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 2.50			Logged OA		

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
▼	0.10	ES	N=54	0.20	3.79		Brown silty slightly sandy clayey TOPSOIL.	1 2 3 4 5
	0.50	ES		0.45	3.54		Off-white to mottled light brown structureless gravelly silty low density CHALK with gravel of subangular medium to coarse chalk. Dm grade.	
	0.60	D						
				1.80	2.19			
			2.50	1.49		Off-white structureless gravelly silty low density CHALK with gravel of subangular medium to coarse chalk and pockets of brown silty gravelly CLAY with gravel of subangular to subrounded fine to coarse flint. Dm grade.		
			End of pit at 2.50 m					

Remarks:	Fast flowing seepage encountered at 2.5m. Water level arose to 2.3m after 5 minutes.	
Stability:	Stable	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP131 Sheet 1 of 1	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503645 - 104235 Level: 3.60		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 OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale	
	Depth	Type	Results						
	0.15	ES	N=8	0.20	3.40		Grass over brown silty slightly sandy gravelly TOPSOIL with gravel of subangular to subrounded flint and red brick.	1 2 3 4 5	
	0.35	ES		0.40	3.20				Brown silty clayey gravelly SUBSOIL with gravel of subangular to subrounded fine to medium flint.
	1.10	D	1.20	2.40		Firm to stiff brown gravelly silty CLAY with gravel of subangular to subrounded fine flint.			
	1.80	D	1.60	2.00			Off white silty clayey gravelly low density CHALK with gravel of subangular to sub rounded fine to coarse flint and chalk. Dc grade.		
			3.10	0.50	End of pit at 3.10 m				

Remarks: Fast flowing seepage encountered at 3.1m. After 5 minutes water level arose to 2.95m.	
Stability: Moderate collapse below 2.4m	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP132 Sheet 1 of 1	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503690 - 104256 Level: 4.41		Date 04/12/2019	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP						Dimensions (m): Depth 3.00		Scale 1:25	
Client: Persimmon Homes Thames Valley								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=32	0.20	4.20		Grass over brown silty slightly sandy clayey TOPSOIL.					
							Brown silty slightly sandy clayey SUBSOIL.					
	0.50	ES		0.40	4.00		Medium dense to dense brown to orange brown clayey gravelly medium SAND with gravel of subangular to subrounded medium to coarse flint and chalk.					
	1.10	D		1.40	3.00		Stiff brown sandy gravelly CLAY with gravel of subrounded medium to coarse flint.					
				1.90	2.50		Medium dense brown clayey gravelly medium SAND with gravel of subangular to subrounded medium to coarse flint.					
	2.20	B		3.00	1.40		End of pit at 3.00 m					

Remarks: Slow flowing seepage encountered at 2.95m.	
Stability: Stable	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1YA				Trial Pit Log				Trialpit No TP133 Sheet 1 of 1	
Project Name: North Littlehampton			Project No. LP2128		Co-ords: 503662 - 104286 Level: 3.43			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 2.90			Logged AU	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale	
	Depth	Type	Results						
	0.15	ES		0.30	3.13		Grass over orange to brown slightly silty slightly clayey gravelly sandy TOPSOIL with gravel of angular coarse flint and frequent roots.	1 2 3 4 5	
	0.80	ES							Loose light brown sandy gravelly MADE GROUND with gravel of coarse angular chalk and flint and cobbles of brick and concrete. <u>5 x 7cm piece of corrugated iron found at 0.8m.</u> <u>Chrysotile asbestos cement fragment found at 0.8m.</u> <u>Large blocks of concrete found at 1.0m. Approximately 40x40x15cm.</u>
	1.20	ES		1.30	2.13				
	2.50	B		2.90	0.53	End of pit at 2.90 m			

Remarks:	Water struck at 1.4m. After 5 minutes the water rose from 2.6m to 2.4m.	
Stability:	Stable	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log			Trialpit No TP134 Sheet 1 of 1	
Project Name: North [REDACTED]				Co-ords: 503795 - 104244 Level: 3.81			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 3.40			Logged OA	

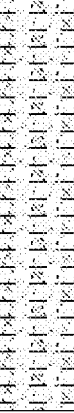
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
	Depth	Type	Results					
	0.15	ES	N=28	0.30	3.51		Grass over black very organic MADE GROUND with frequent rootlets.	1 2 3 4 5
				0.60	3.21		Firm to stiff brown to orange gravelly silty CLAY with gravel of subangular to subrounded fine to coarse flint. (REWORKED)	
	0.70	ES		0.90	2.91		Brown to grey gravelly clayey MADE GROUND with gravel of subangular to sub rounded fine to coarse flint and brick.	
	1.00	D		1.30	2.51		Stiff brown orange gravelly CLAY with gravel of subangular to sub rounded fine to coarse chalk and flint. (REWORKED) <i>Hand Pen at 0.6m = 173.3kPa</i>	
				2.40	1.41			
	2.50	D	2.60	1.21	Firm blueish grey CLAY. <i>Hand Pen at 2.7m = 126.6kPa</i>			
	2.80	ES						
				3.40	0.41	End of pit at 3.40 m		

Remarks: Slow flowing seepage encountered at 3.2m.	
Stability: Stable	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 		Trial Pit Log		Trialpit No TP140 Sheet 1 of 1	
Project Name: North Littlehampton		Project No. LP2128	Co-ords: 503816 - 104243		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 3.10		Logged OA	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.10	ES		0.20			Grass over black very organic MADE GROUND with frequent rootlets. (Reworked)
	0.30	ES					Firm to stiff brown to orange brown silty gravelly CLAY with gravel of subangular to subrounded fine to coarse flint and chalk. (Reworked)
	1.00	D	N=14	2.10			Hand Pen at 0.7m = 143.3kPa
	2.00	D					Hand Pen at 2m = 170kPa
	2.50	B		2.70			Firm light grey silty gravelly CLAY with gravel of subangular to subrounded fine to coarse flint. (Reworked)
	2.50	ES					Faint organic odour detected. Hand Pen at 2.5m = 126.6kPa
	2.90	B		3.10			Firm dark grey and black slightly gravelly clay MADE GROUND with gravel of subangular to subrounded fine to coarse flint, occasional coarse fragments of wood, fine to medium brick and occasional plastic bag.
	2.90	ES					Hand Pen at 2.9m = 113.3kPa End of pit at 3.10 m

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

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA		Borehole Log				Borehole No. HP101		
						Sheet 1 of 1		
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503766 - 104255		Hole Type HA		
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP		Level:		Scale 1:10		Logged By OA		
Client: Persimmon Homes Thames Valley		Dates: 06/12/2019 - 06/12/2019						
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	ES		0.30			Grass over black very organic MADE GROUND with frequent rootlets.
					0.40			Brown to light brown gravelly silty clay MADE GROUND with gravel of subangular to subrounded fine to coarse flint and ceramic fragments.
		0.80	ES		1.00			Orange brown gravelly silty CLAY with gravel of subangular to subrounded fine to coarse flint and chalk.
End of borehole at 1.00 m								1
Remarks Borehole remained dry and stable.								2



Leap Environmental Ltd The Atrium, Curtis Road East Sussex, BN1 3JF				Borehole Log				Borehole No. HP102 Sheet 1 of 1	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503505 - 104131		Hole Type HA	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Level:		Scale 1:10			
Client: Persimmon Homes Thames Valley				Dates: 10/12/2019 - 10/12/2019		Logged By OA			

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.50			Brown silty gravelly clay MADE GROUND with gravel of subangular fine to coarse flint, chalk and brick.	
								Brown silty gravelly clay MADE GROUND with gravel of subangular to subrounded fine to coarse flint, chalk, brick and fragments of blacktop, slate, polystyrene and glass.	
					1.00				
								End of borehole at 2.00 m	2

Remarks
 Borehole remained dry and stable.

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA		Borehole Log				Borehole No. HP103 Sheet 1 of 1		
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503484 - 104196		Hole Type HA		
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Level:		Scale 1:10		
Client: Persimmon Homes Thames Valley				Dates: 10/12/2019 - 10/12/2019		Logged By OA		
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	ES		1.00			Grey to light grey silty clayey gravelly MADE GROUND with gravel of subangular to subrounded fine to coarse flint, chalk and brick with occasional fragments of plastic and polystyrene. <i>Increased proportion of chalk clasts below 0.2m.</i>
		End of borehole at 2.00 m						
Remarks Borehole remained dry and stable.								



 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA		Borehole Log				Borehole No. HP104 Sheet 1 of 1		
Project Name: North Littlehampton		Plot No. LP2128		Co-ords: 503485 - 104293		Hole Type HA		
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP		Level:		Scale 1:10		Logged By OA		
Client: Persimmon Homes Thames Valley		Dates: 10/12/2019 - 10/12/2019						
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.35			Brown to light brown silty clayey gravelly MADE GROUND with gravel of subangular to subrounded fine to coarse flint and fragments of brick, plastic pipe, wire, blacktop, timber and polythene.
					1.00			Loose yellowish light orange slightly silty medium SAND.
End of borehole at 2.00 m								
Remarks Borehole remained dry and stable.								



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		Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 		Borehole Log			Borehole No. HP106 Sheet 1 of 1	
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503776 - 104109		Hole Type HA		
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP		Level:		Scale 1:10		Logged By OA		
Client: Persimmon Homes Thames Valley		Dates: 10/12/2019 - 10/12/2019						

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
1					0.15			Grass over brown to dark brown silty gravelly clayey TOPSOIL with gravel of fine to coarse flints and occasional fine to coarse fragments of brick.
					0.35			Brown to dark brown slightly sandy gravelly MADE GROUND with gravel of subangular to subrounded fine to coarse flint and chalk and occasional fragments of fine to coarse brick
					0.45			Yellowish orange slightly clayey gravelly medium SAND with gravel of subangular to subrounded fine to coarse flint.
		End of borehole at 0.45 m						

Remarks Borehole remained dry and stable. Borehole terminated at 0.45m due to hard ground conditions encountered.	
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1

2

APPENDIX G -- DCP Results

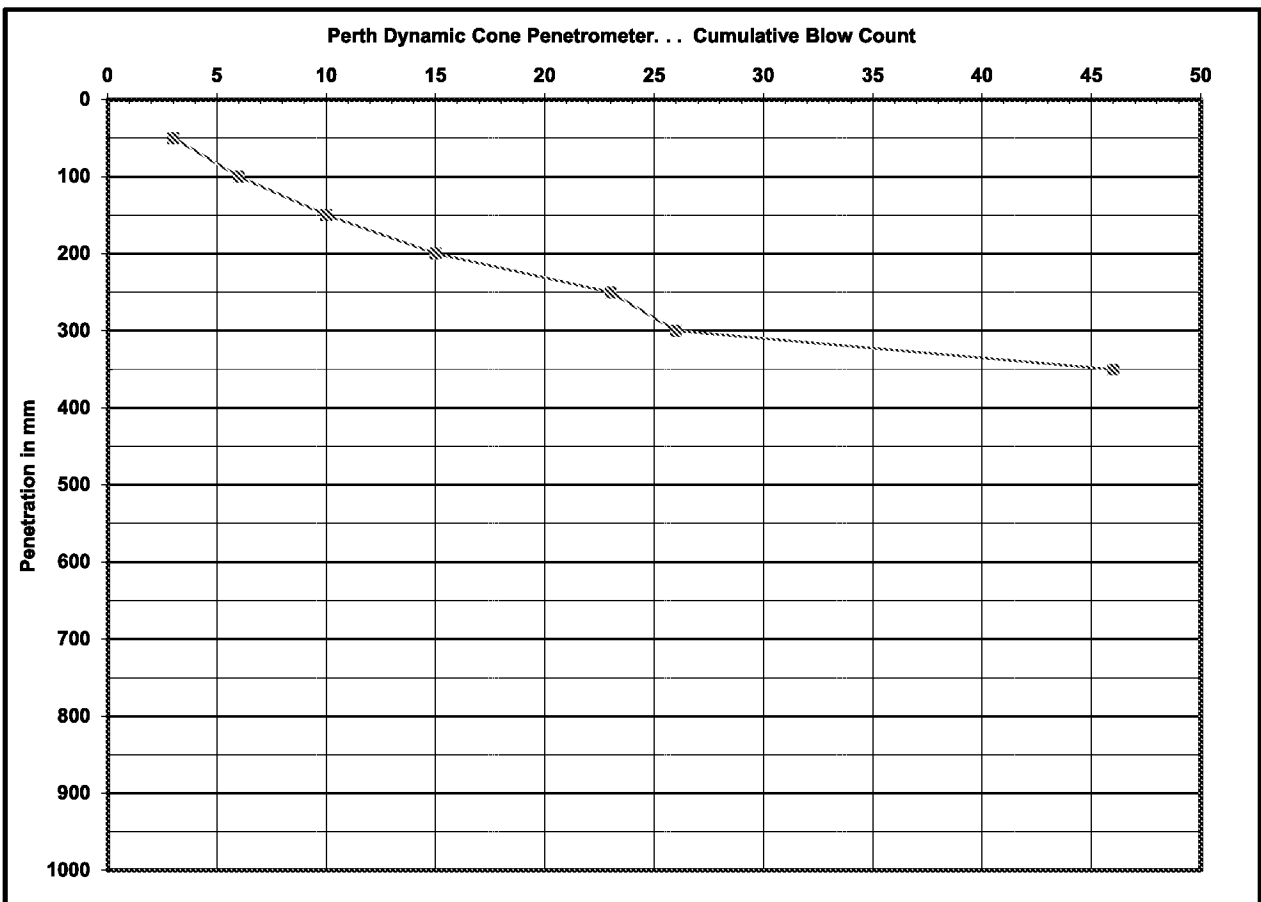
DCP Test Results



[illegible]

CBR VALUE CALCULATIONS

Initial S	Final S	Initial S	Final S	Pen/Blow	CBR	CBR	CBR
Pen mm	Pen mm	Blows	Blows	mm	TRRL	KVH	Value (%)
50	250	3	23	10.0	26.5	22.5	22.5
250	300	23	26	16.7	15.4	11.7	11.7
300	350	26	46	2.5	114.7	132.6	114.7



Tested by	OA	Checked		Approved	
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Test No: DCPI

Dynamic Cone CBR Test

Nr Blows	S Blows	Penetration mm	S Pen. mm
0	0	50	50
0	0	50	100
0	0	50	150
0	0	50	200
0	0	50	250
1	1	50	300
0	1	50	350
1	2	50	400
4	6	50	450
5	11	50	500
5	16	50	550
4	20	50	600
3	23	50	650
2	25	50	700
2	27	50	750
4	31	50	800
2	33	50	850
3	36	50	900

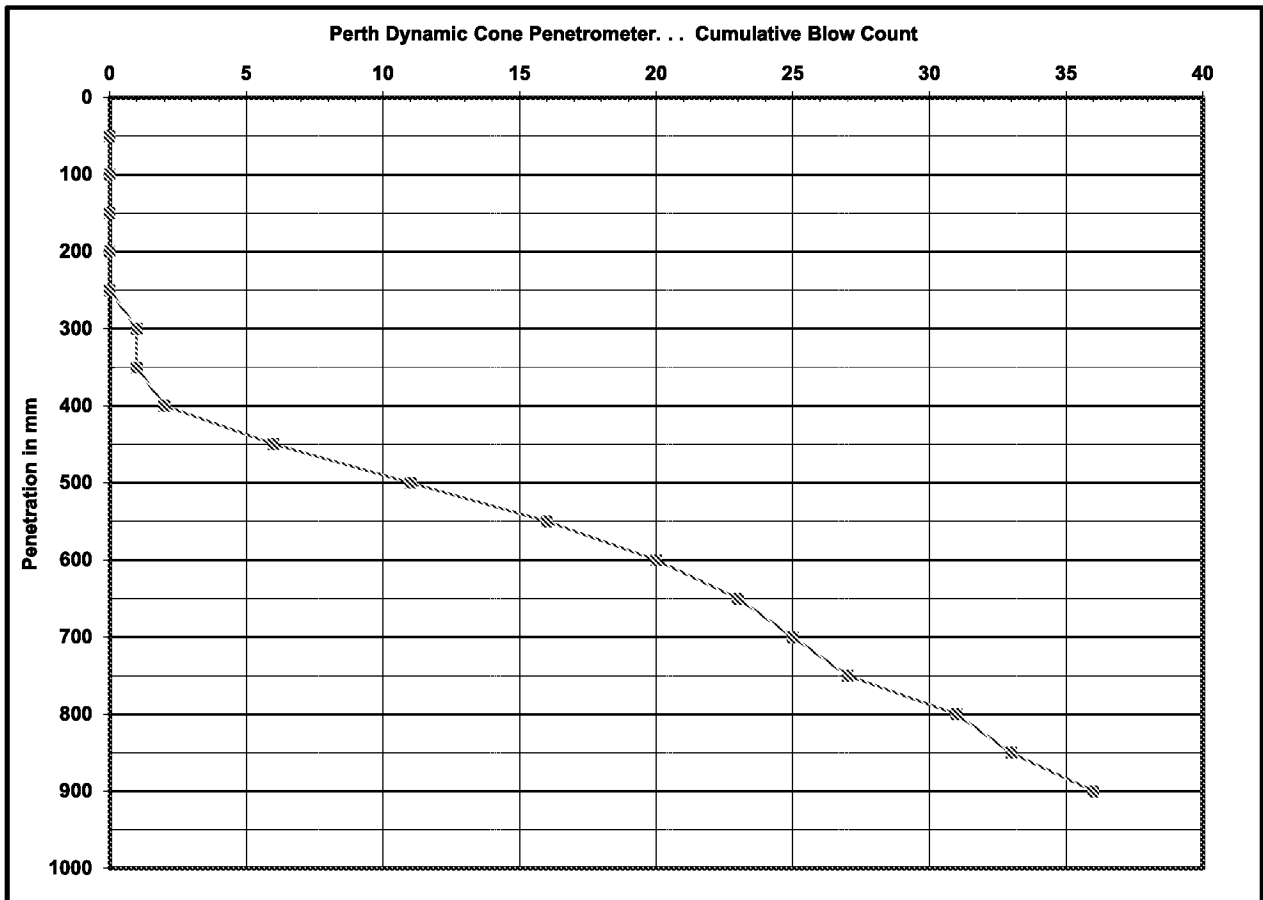
North Littlehampton Test Reference: - DCP2

Job Nr LP2128
0

Date 22-Jan-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
250	300	0	1	50.0	4.8	2.9	2.9
350	400	1	2	50.0	4.8	2.9	2.9
400	650	2	23	11.9	22.0	18.0	18.0
650	750	23	27	25.0	10.1	7.0	7.0
750	900	27	36	16.7	15.4	11.7	11.7



Tested by	OA	Checked		Approved	
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Site: North Littlehampton

Client: Persimmon Homes

Date: 22/01/2020

Job No: LP2128

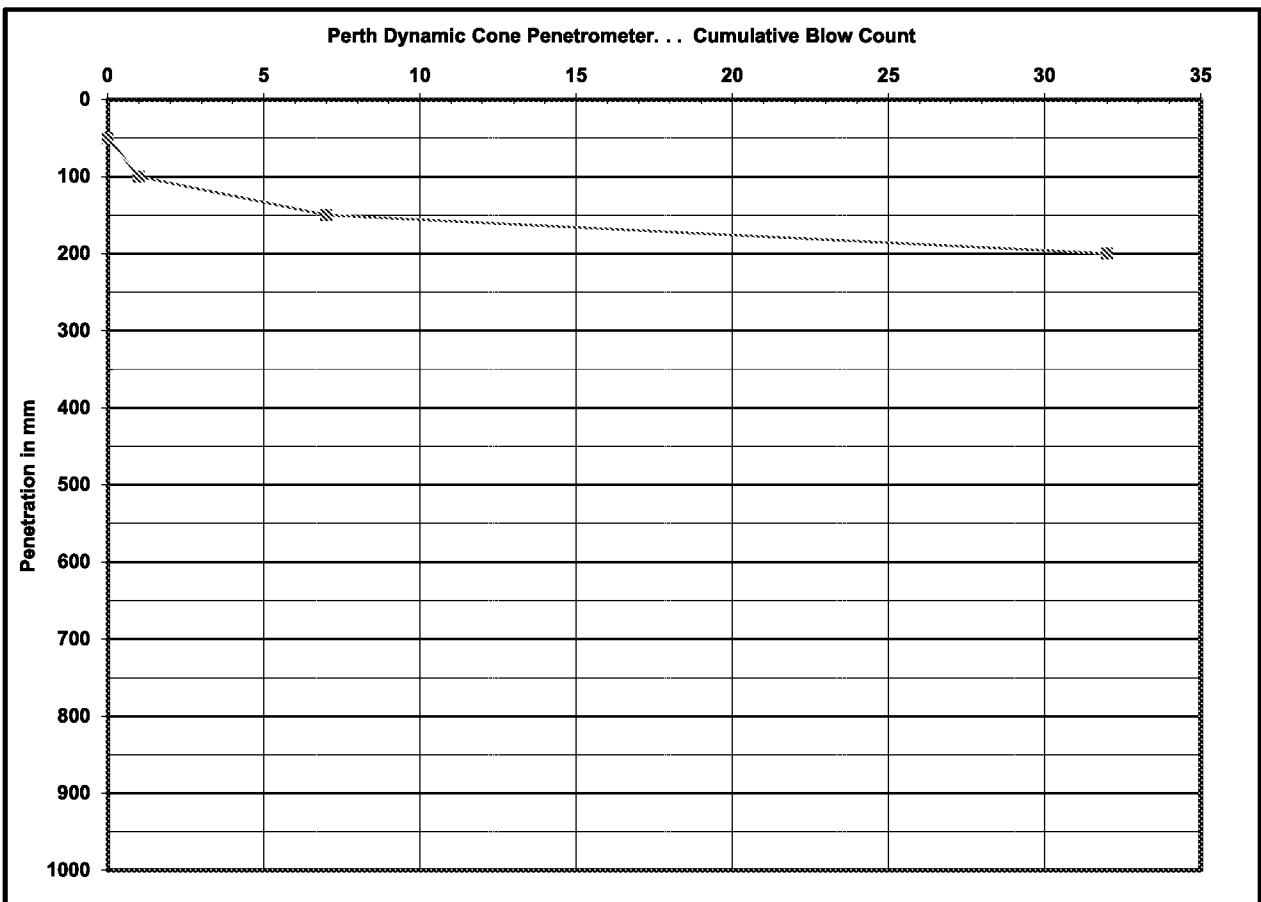
Test No: DCP2

[illegible]

Job Nr LP2128

CBR VALUE CALCULATIONS

Initial S	Final S	Initial S	Final S	Pen/Blow	CBR	CBR	CBR
Pen mm	Pen mm	Blows	Blows	mm	TRRL	KVH	Value (%)
50	100	0	1	50.0	4.8	2.9	2.9
100	150	1	7	8.3	32.1	28.4	28.4
150	200	7	32	2.0	145.1	176.5	145.1



Tested by	OA	Checked		Approved	
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Test No: DCP3

Dynamic Cone CBR Test

Nr Blows	S Blows	Penetration mm	S Pen. mm
0	0	50	50
3	3	50	100
4	7	50	150
2	9	50	200
2	11	50	250
0	11	50	300
3	14	50	350
2	16	50	400
2	18	50	450
2	20	50	500
3	23	50	550
2	25	50	600
2	27	50	650
4	31	50	700
5	36	50	750
4	40	50	800
3	43	50	850
4	47	50	900

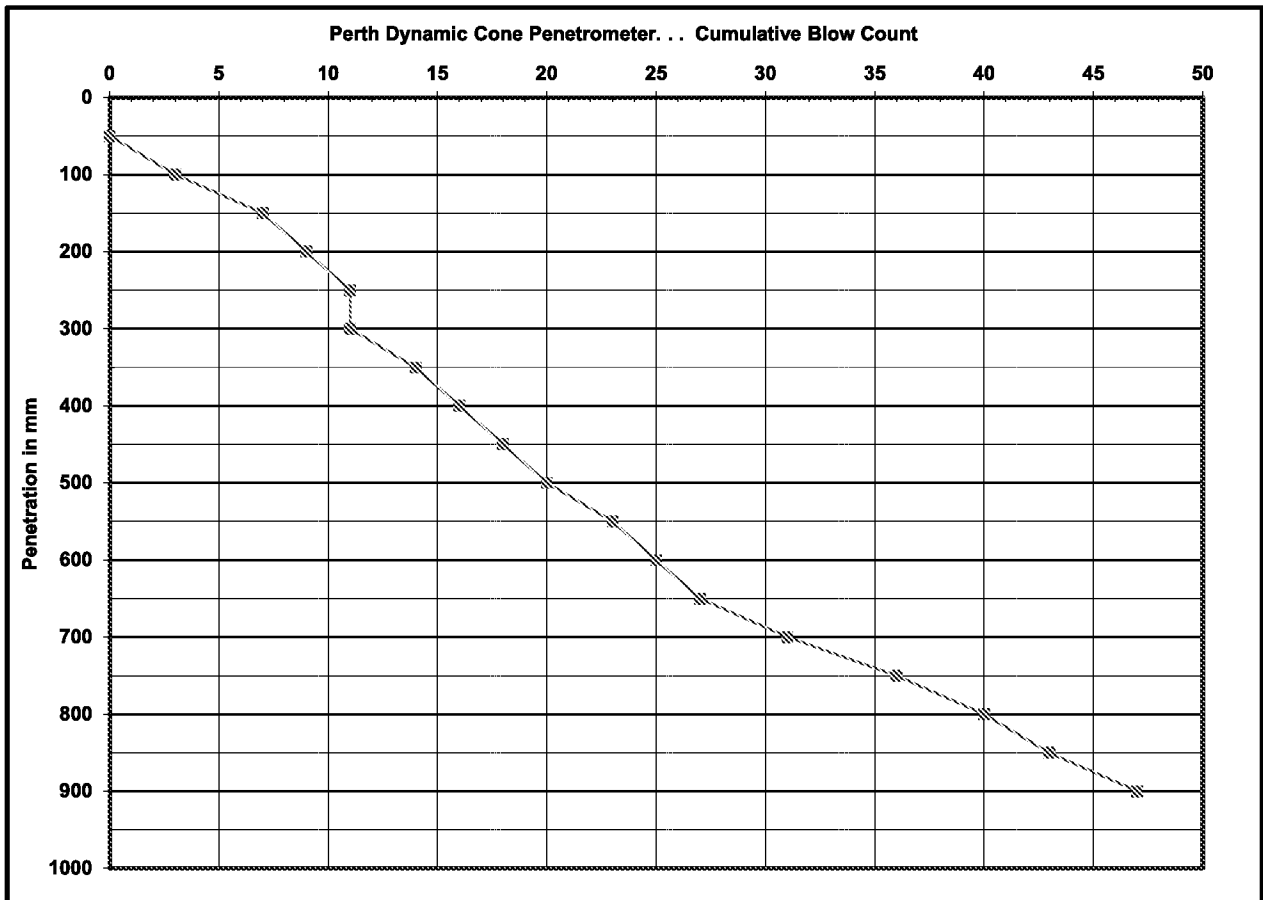
North Littlehampton Test Reference: - DCP4

Job Nr LP2128
0

Date 22-Jan-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
50	150	0	7	14.3	18.2	14.2	14.2
150	250	7	11	25.0	10.1	7.0	7.0
300	550	11	23	20.8	12.2	8.8	8.8
550	650	23	27	25.0	10.1	7.0	7.0
650	900	27	47	12.5	20.9	16.9	16.9



Tested by	OA	Checked		Approved	
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Site: North Littlehampton

Client: Persimmon Homes

Date: 22/01/2020

Job No: LP2128

Test No: DCP4

Dynamic Cone CBR Test

Nr Blows	S Blows	Penetration mm	S Pen. mm
6	6	50	50
7	13	50	100
6	19	50	150
8	27	50	200
7	34	50	250
8	42	50	300
7	49	50	350
5	54	50	400
3	57	50	450
7	64	50	500
4	68	50	550
3	71	50	600
1	72	50	650
1	73	50	700
2	75	50	750
3	78	50	800
3	81	50	850
5	86	50	900

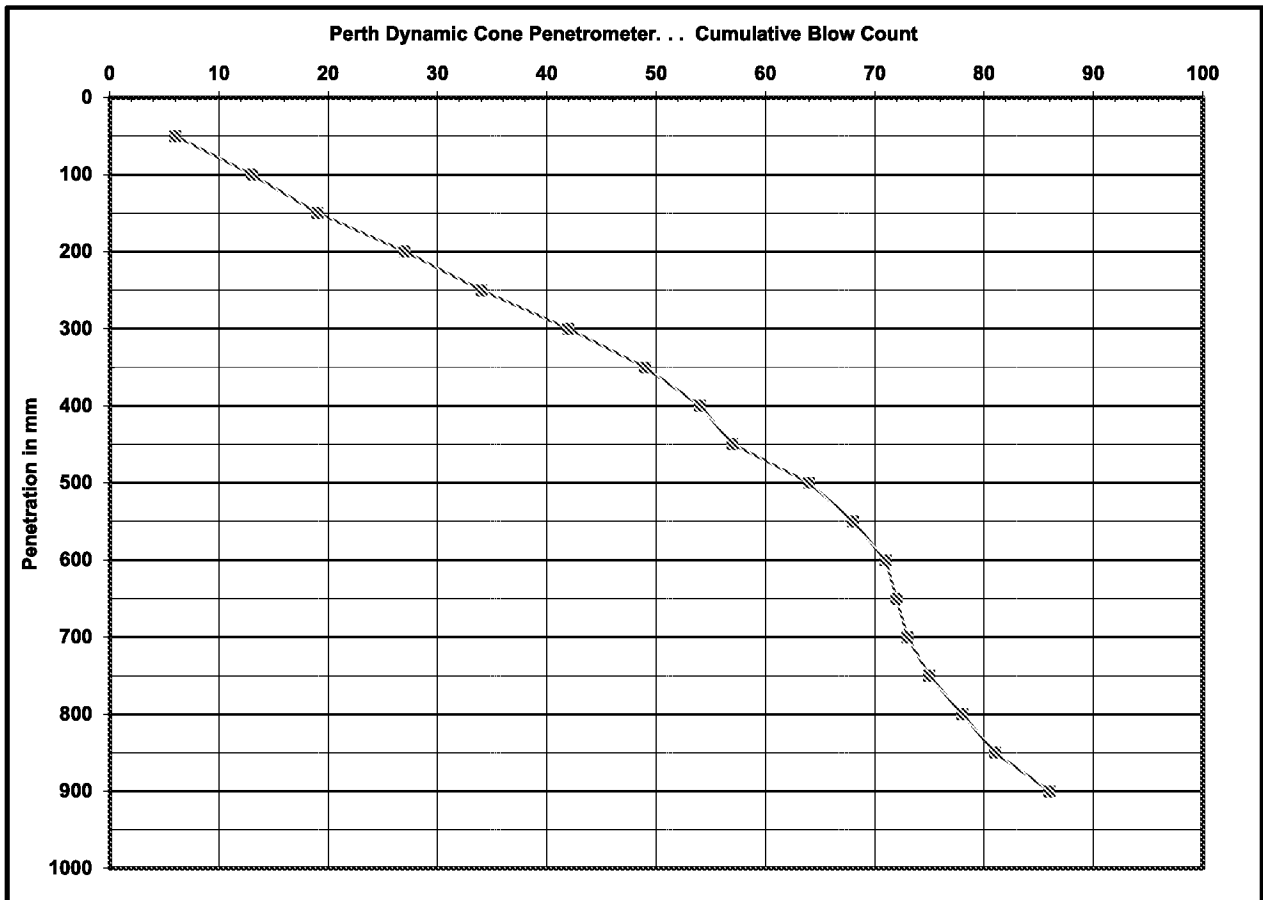
North Littlehampton Test Reference: - DCP5

Job Nr LP2128
0

Date 22-Jan-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
50	400	6	54	7.3	37.0	33.7	33.7
400	450	54	57	16.7	15.4	11.7	11.7
450	550	57	68	9.1	29.3	25.4	25.4
550	700	68	73	30.0	8.3	5.5	5.5
700	900	73	86	15.4	16.8	13.0	13.0



Tested by	OA	Checked		Approved	
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Site: North Littlehampton

Client: Persimmon Homes

Date: 22/01/2020

Job No: LP2128

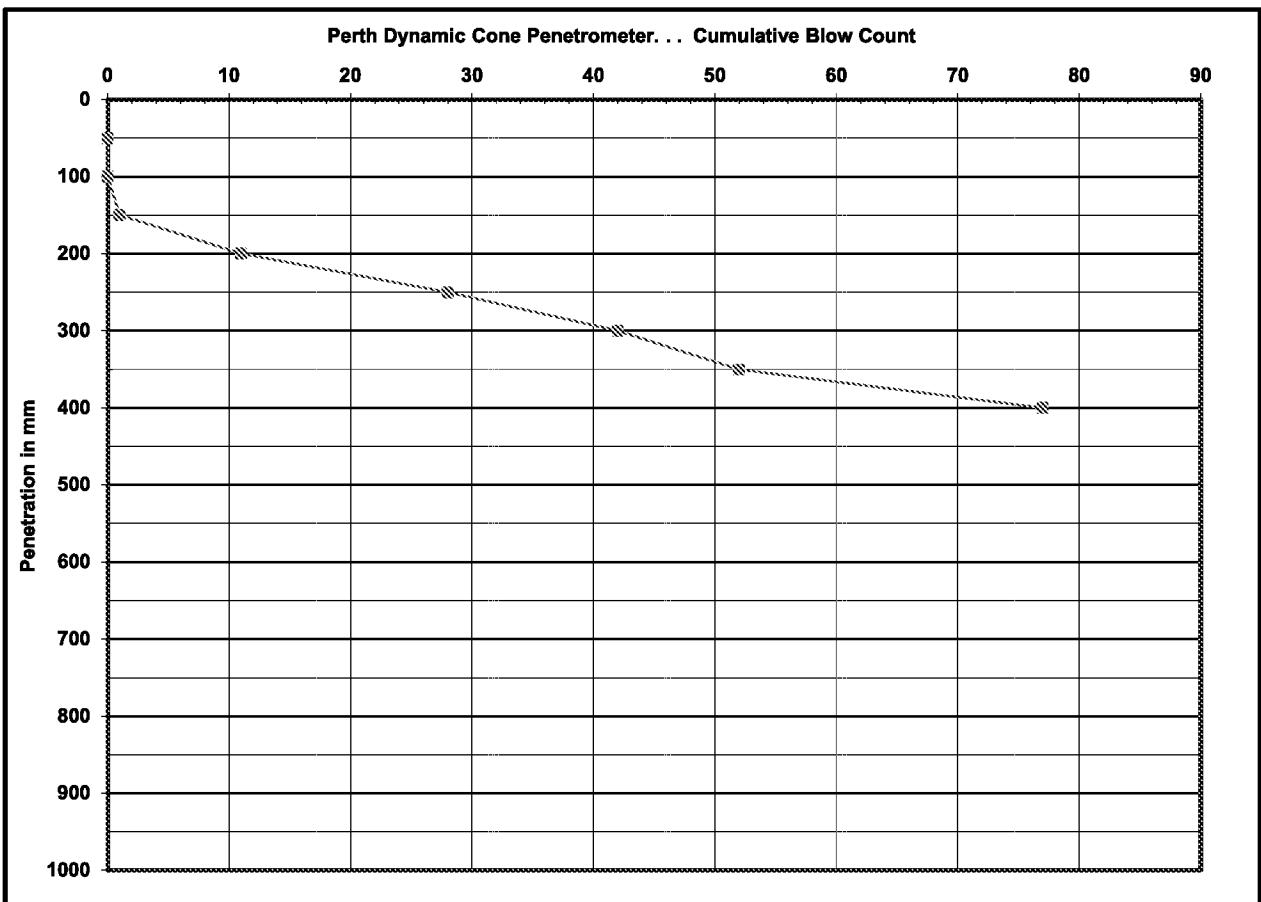
Test No: DCP5

[illegible]

Job Nr LP2128

CBR VALUE CALCULATIONS

Initial S	Final S	Initial S	Final S	Pen/Blow	CBR	CBR	CBR
Pen mm	Pen mm	Blows	Blows	mm	TRRL	KVH	Value (%)
100	150	0	1	50.0	4.8	2.9	2.9
150	350	1	52	3.9	71.2	74.5	71.2
350	400	52	77	2.0	145.1	176.5	145.1



Tested by	OA	Checked		Approved	
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Test No: DCP6

Dynamic Cone CBR Test

Nr Blows	S Blows	Penetration mm	S Pen. mm
0	0	50	50
0	0	50	100
1	1	50	150
1	2	50	200
1	3	50	250
2	5	50	300
1	6	50	350
1	7	50	400
2	9	50	450
3	12	50	500
2	14	50	550
3	17	50	600
2	19	50	650
3	22	50	700
3	25	50	750
5	30	50	800
6	36	50	850
9	45	50	900

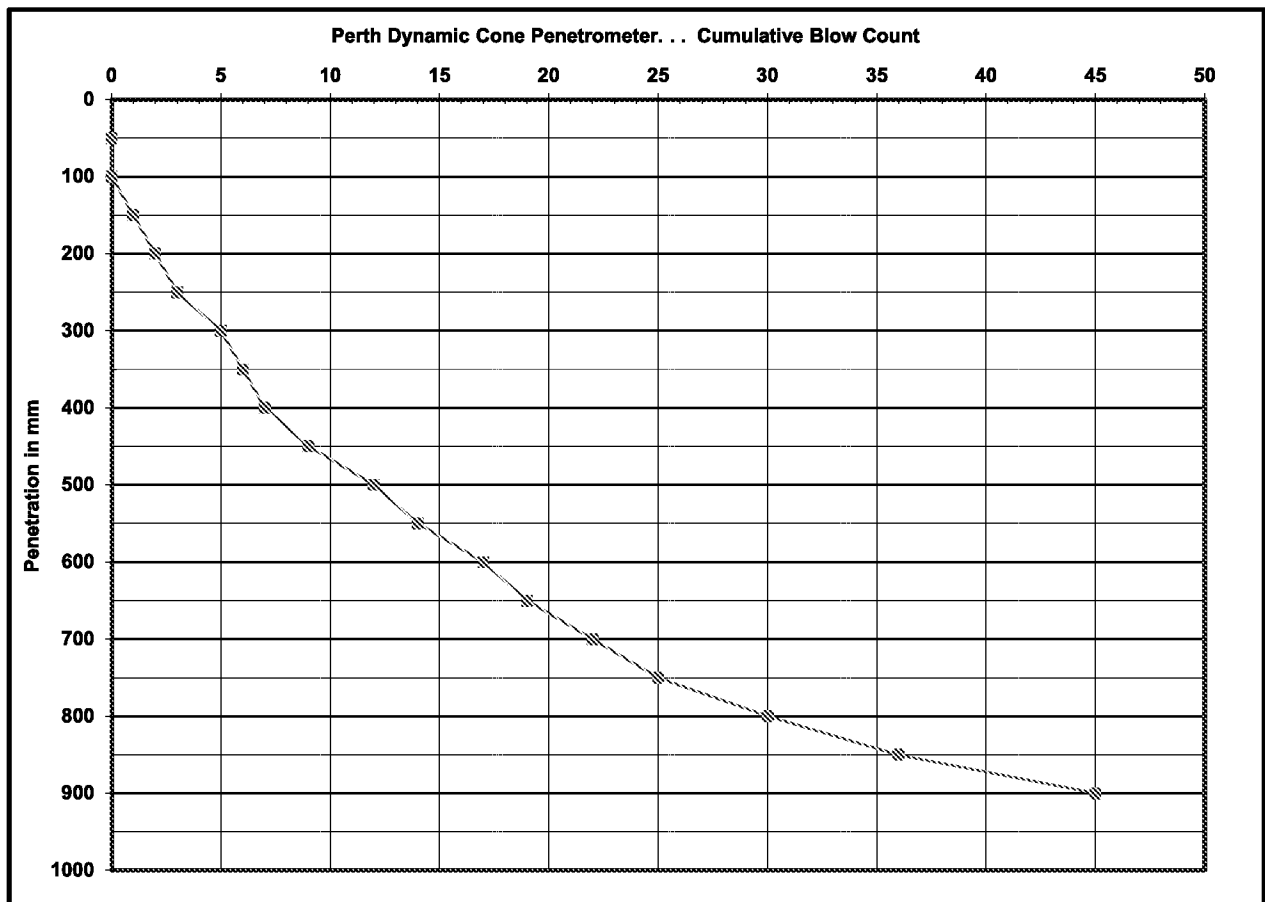
North Littlehampton Test Reference: - DCP7

Job Nr LP2128
0

Date 22-Jan-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
100	300	0	5	40.0	6.1	3.8	3.8
300	400	5	7	50.0	4.8	2.9	2.9
400	750	7	25	19.4	13.1	9.6	9.6
750	900	25	45	7.5	35.9	32.5	32.5



Tested by	OA	Checked		Approved	
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Site: North Littlehampton

Client: Persimmon Homes

Date: 22/01/2020

Job No: LP2128

Test No: DCP7

Dynamic Cone CBR Test

Nr Blows	S Blows	Penetration mm	S Pen. mm
0	0	50	50
0	0	50	100
1	1	50	150
1	2	50	200
1	3	50	250
1	4	50	300
1	5	50	350
1	6	50	400
2	8	50	450
7	15	50	500
8	23	50	550
10	33	50	600
10	43	50	650
10	53	50	700
8	61	50	750
9	70	50	800
7	77	50	850
7	84	50	900

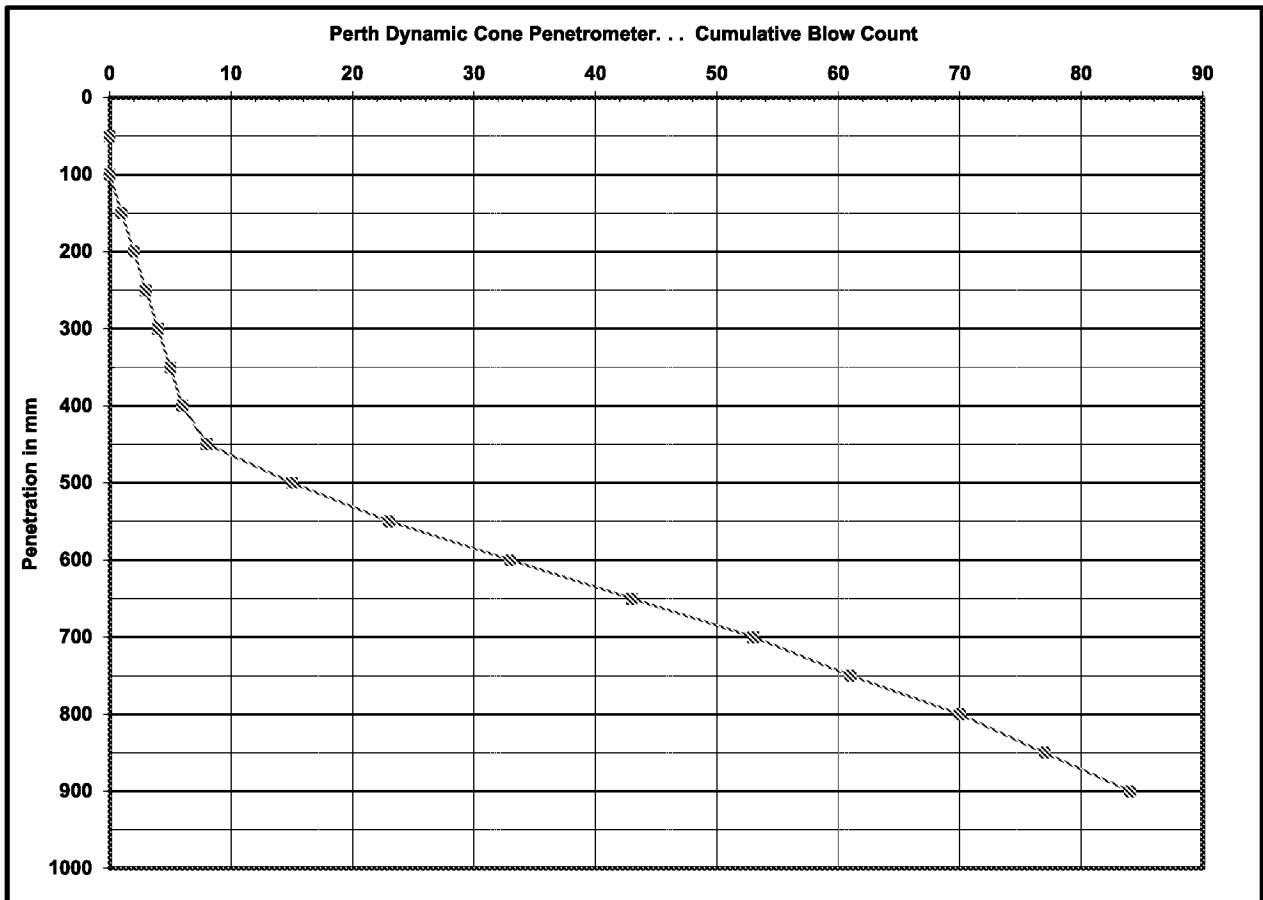
North Littlehampton Test Reference: - DCP8

Job Nr LP2128
0

Date 22-Jan-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
100	450	0	8	43.8	5.6	3.4	3.4
450	900	8	84	5.9	46.1	44.0	44.0



Tested by	OA	Checked		Approved	
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Site: North Littlehampton	Client: Persimmon Homes	Date: 22/01/2020
	Job No: LP2128	Test No: DCP8

Dynamic Cone CBR Test

Nr Blows	S Blows	Penetration mm	S Pen. mm
0	0	50	50
0	0	50	100
1	1	50	150
1	2	50	200
1	3	50	250
1	4	50	300
2	6	50	350
1	7	50	400
1	8	50	450
2	10	50	500
4	14	50	550
4	18	50	600
3	21	50	650
3	24	50	700
3	27	50	750
4	31	50	800
4	35	50	850
5	40	50	900

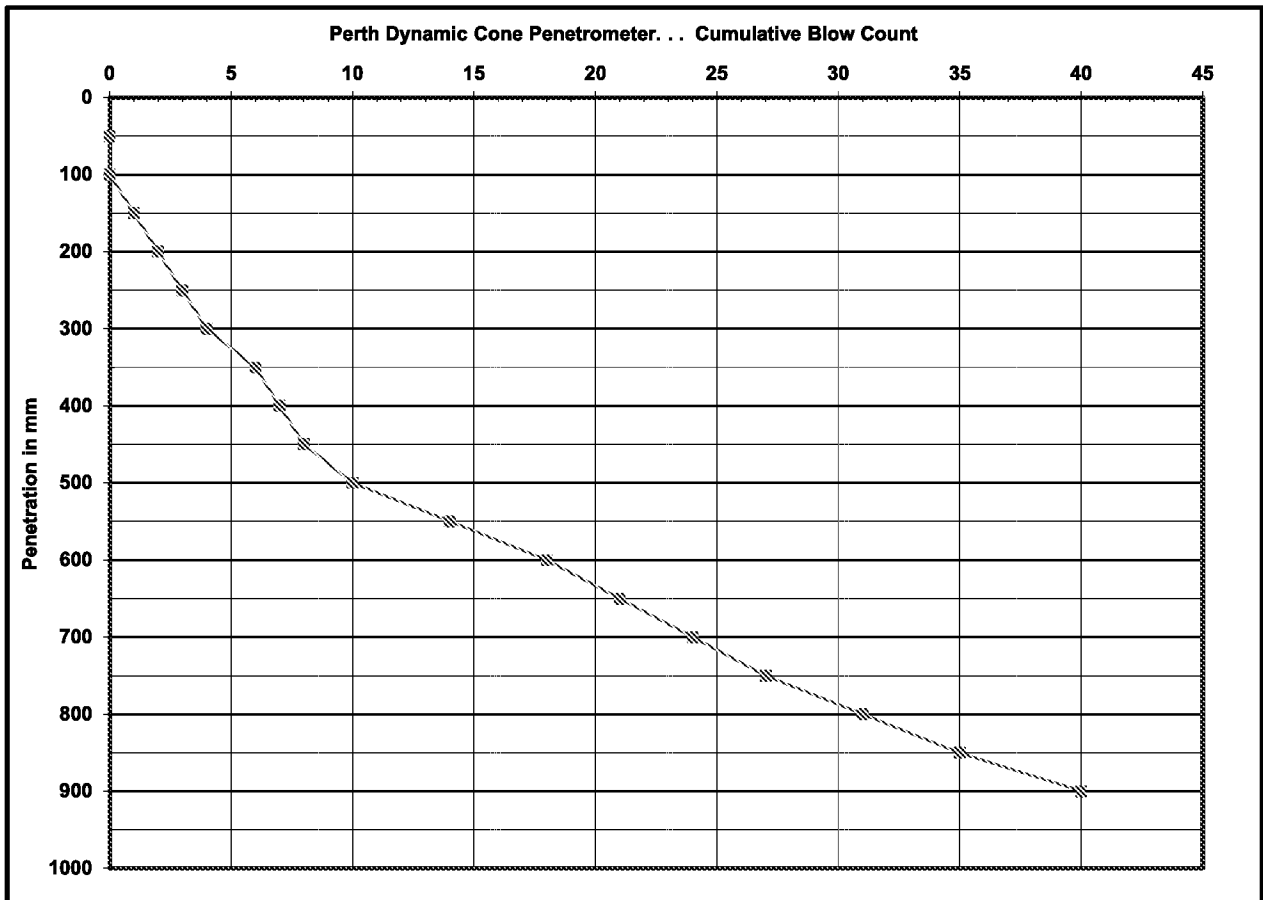
North Littlehampton Test Reference: - DCP9

Job Nr LP2128
0

Date 22-Jan-20

CBR VALUE CALCULATIONS

Initial S Pen mm	Final S Pen mm	Initial S Blows	Final S Blows	Pen/Blow mm	CBR TRRL	CBR KVH	CBR Value (%)
100	300	0	4	50.0	4.8	2.9	2.9
300	350	4	6	25.0	10.1	7.0	7.0
350	450	6	8	50.0	4.8	2.9	2.9
450	500	8	10	25.0	10.1	7.0	7.0
500	900	10	40	13.3	19.5	15.6	15.6



Tested by	OA	Checked		Approved	
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Site: North Littlehampton

Client: Persimmon Homes

Date: 22/01/2020

Job No: LP2128

Test No: DCP9