



Plate 13: Sample location TP132.

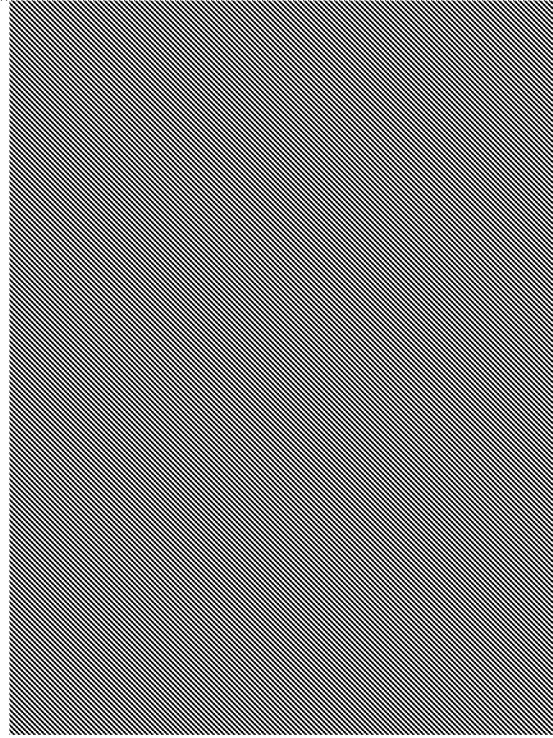


Plate 14: Water ingress within TP131.

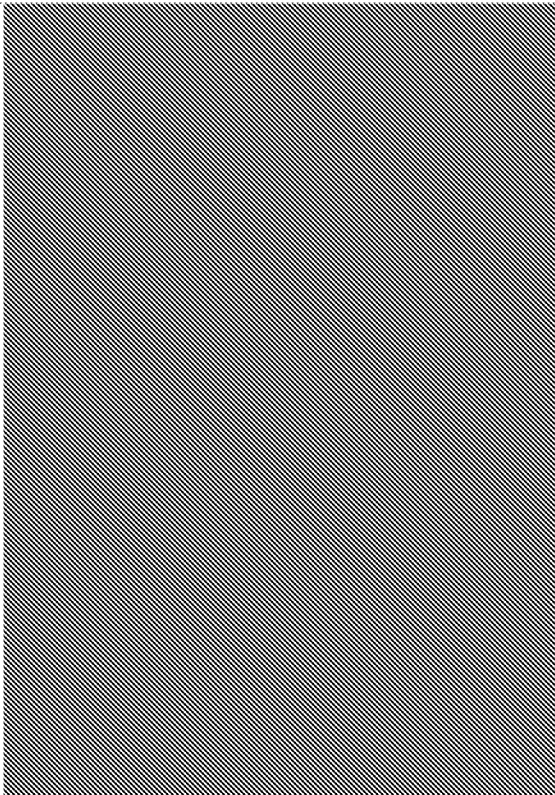


Plate 15: Water ingress within TP127.

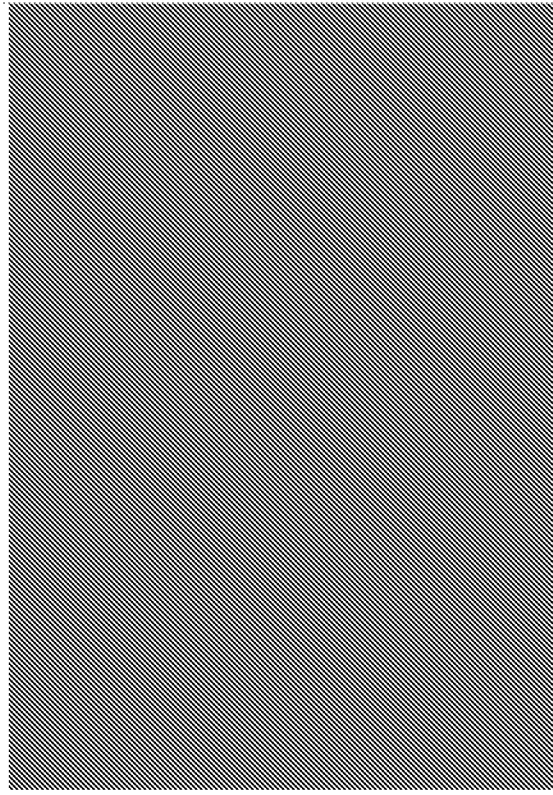


Plate 16: Water ingress within TP129.

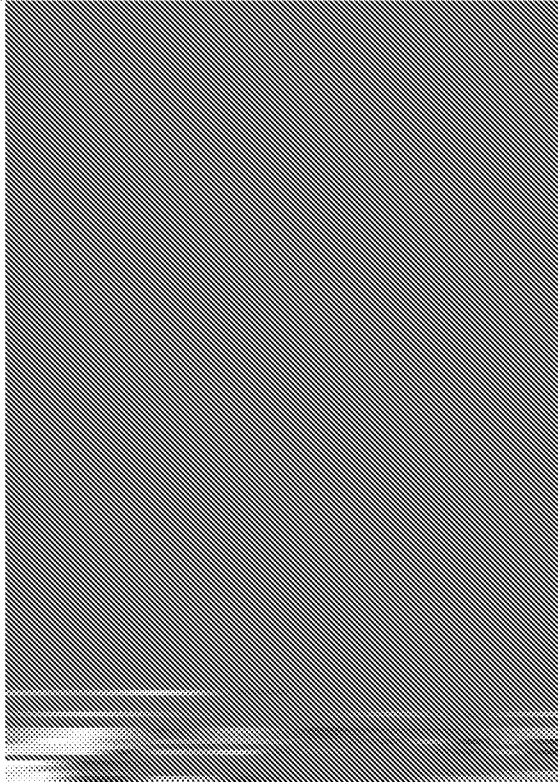


Plate 17: Water ingress within TP128.

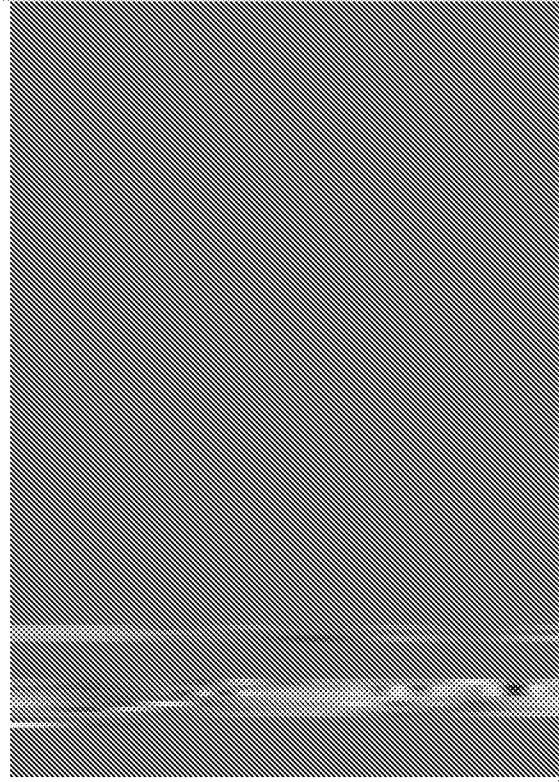


Plate 18: Water ingress within TP120.

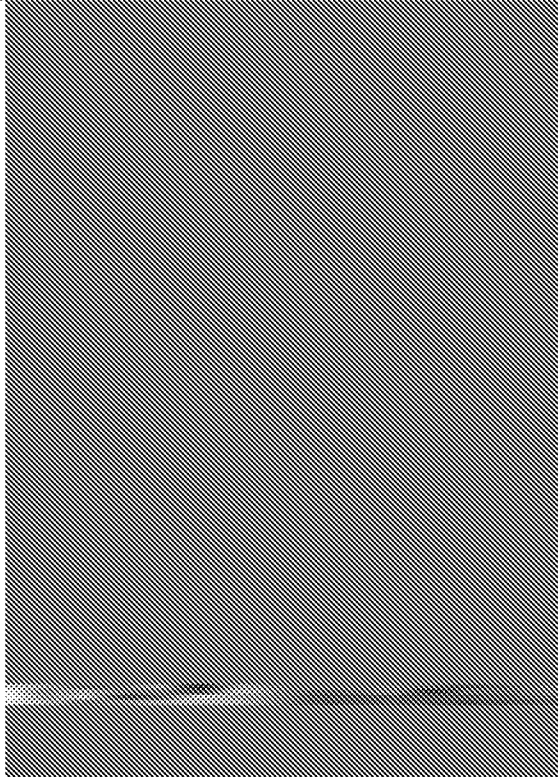


Plate 19: Water ingress within TP119.

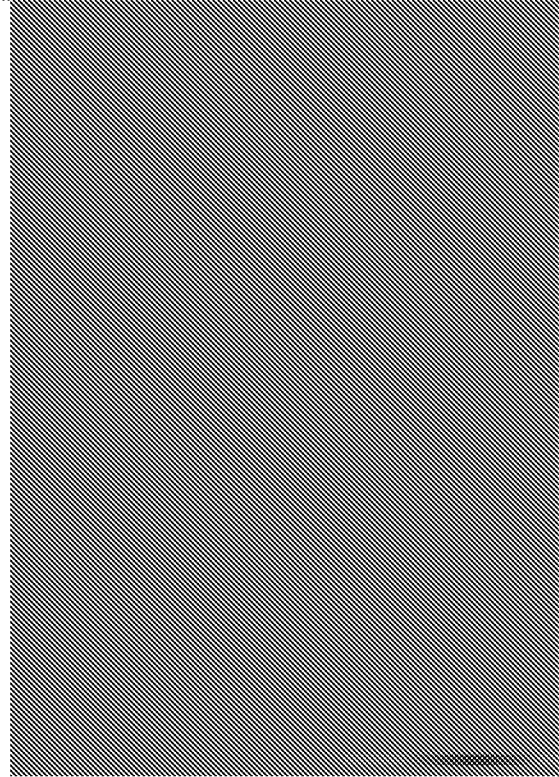


Plate 20: Water ingress within TP118.

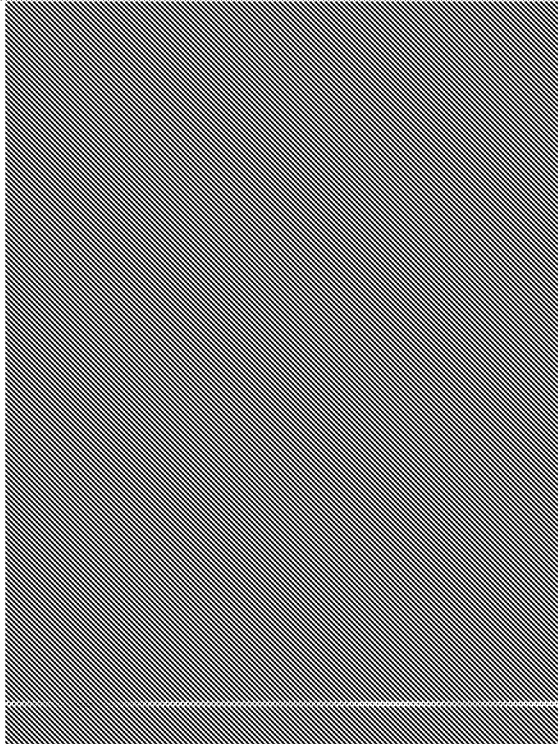


Plate 21: Water ingress within TP104.

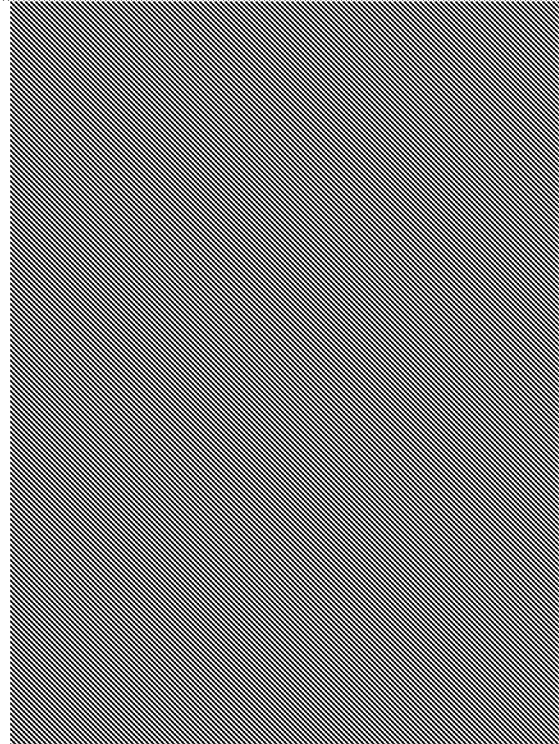


Plate 22: Water ingress within TP106.

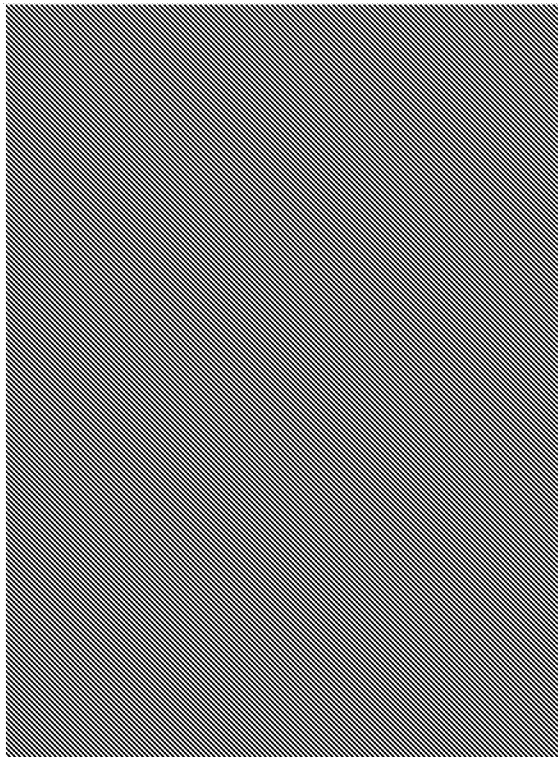


Plate 23: Water ingress within TP108.

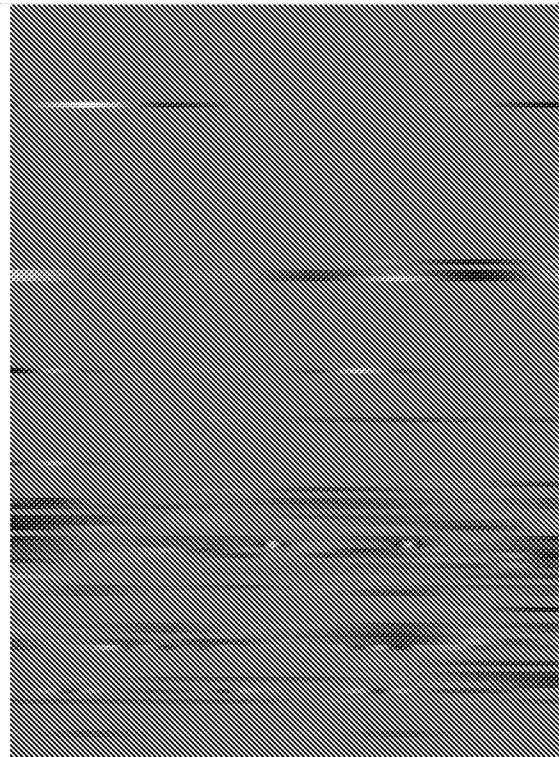


Plate 24: Excavation of sample location BS3.

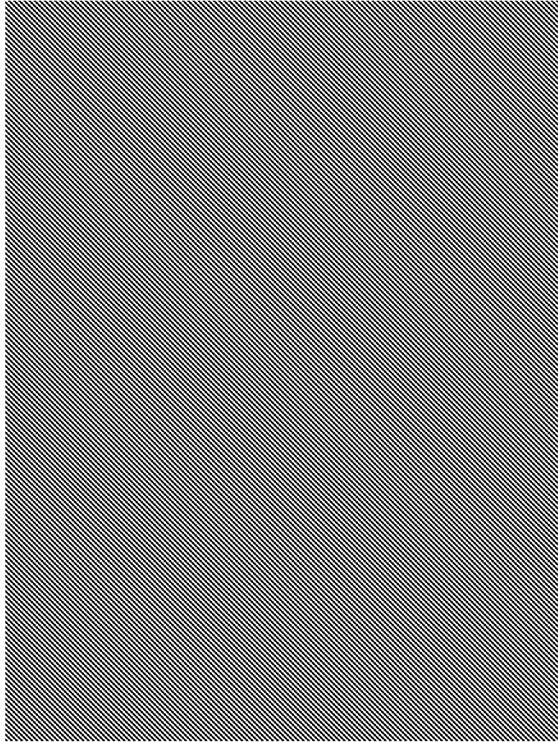


Plate 25: Water ingress within TP133.

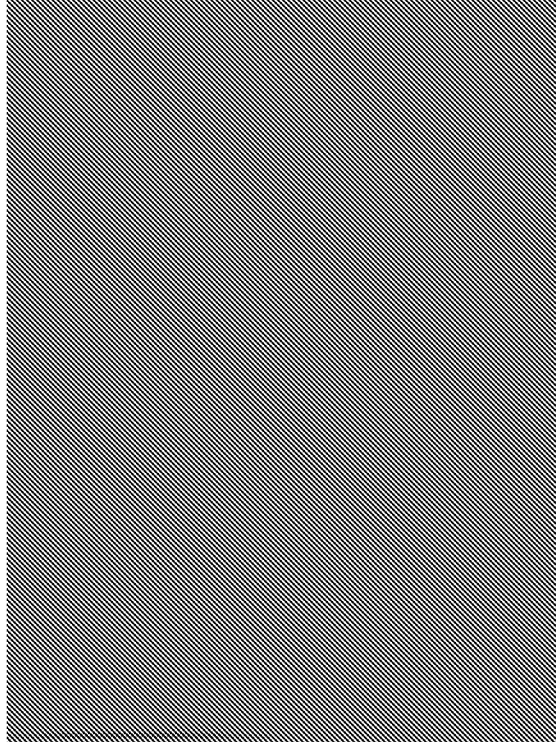


Plate 26: Water ingress within TP121.

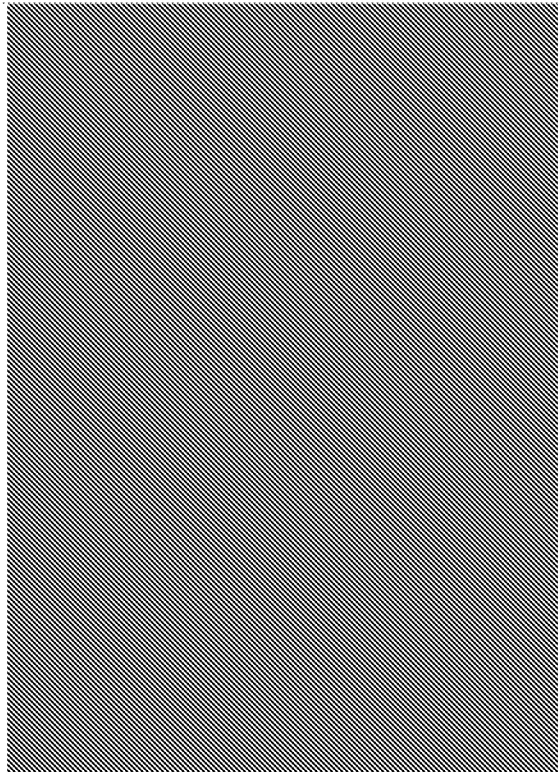


Plate 27: Plastic drainage pipe within TP124.

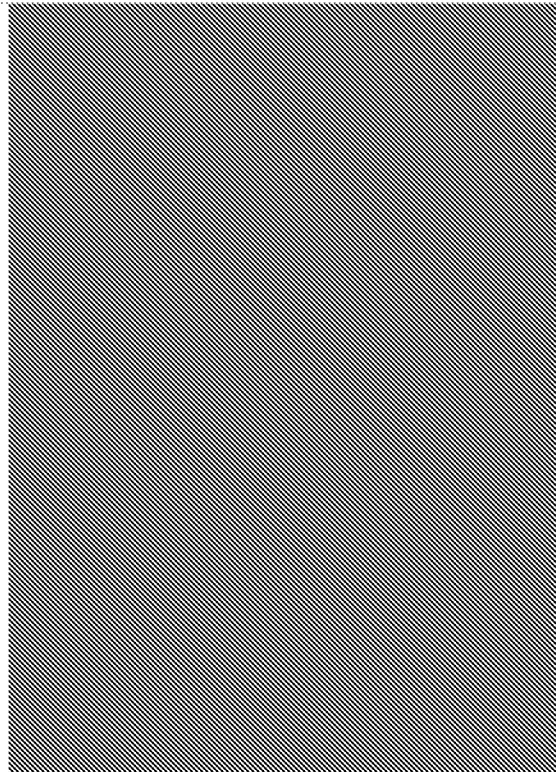


Plate 28: Alluvium clay arisings excavated from TP125.

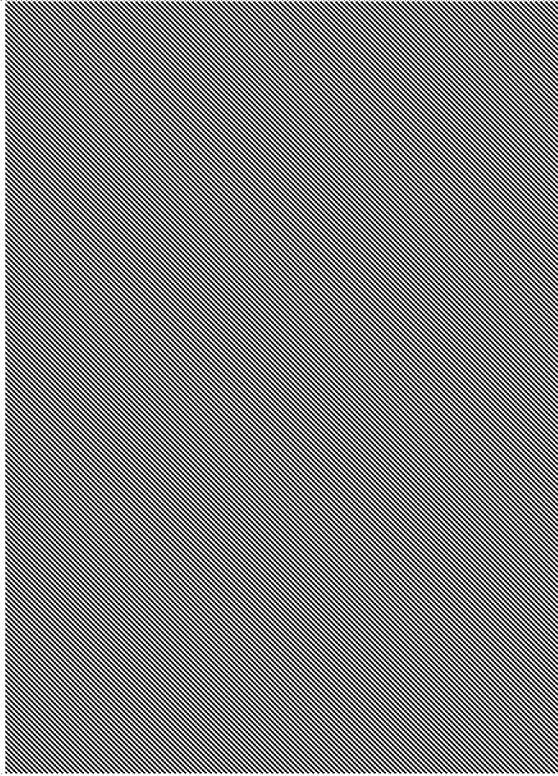


Plate 29: Water ingress within TP125.

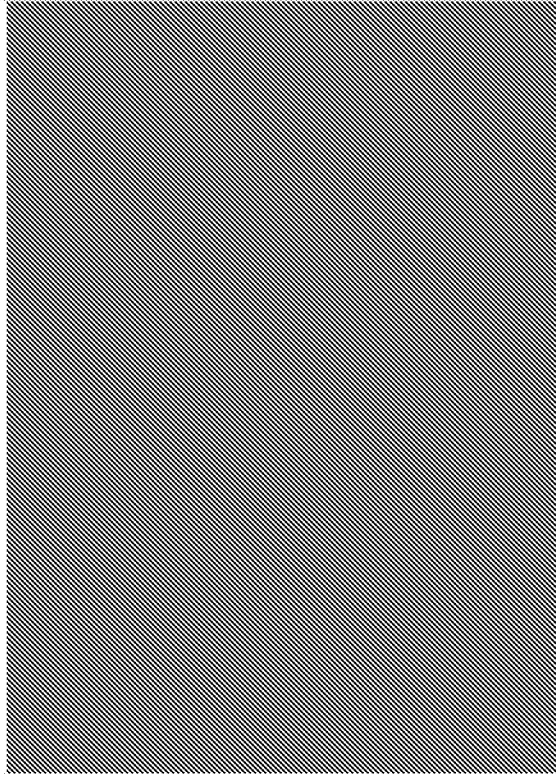


Plate 30: Water ingress within TP134.

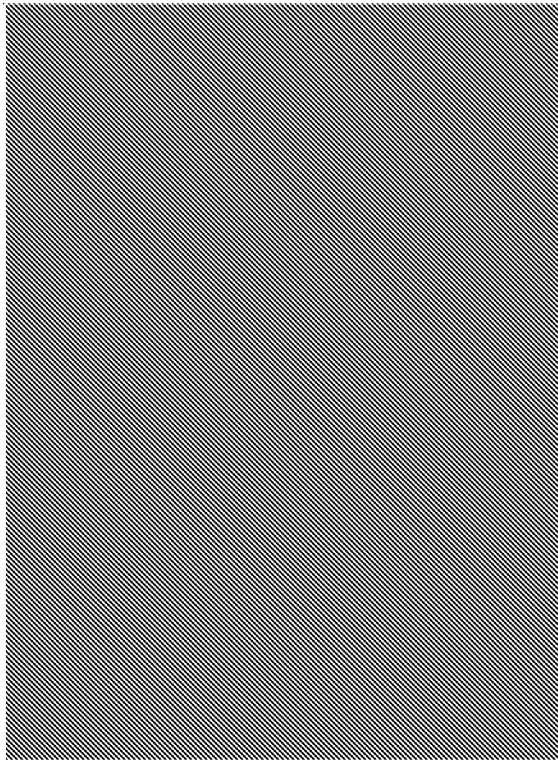


Plate 31: Sample location TP123.

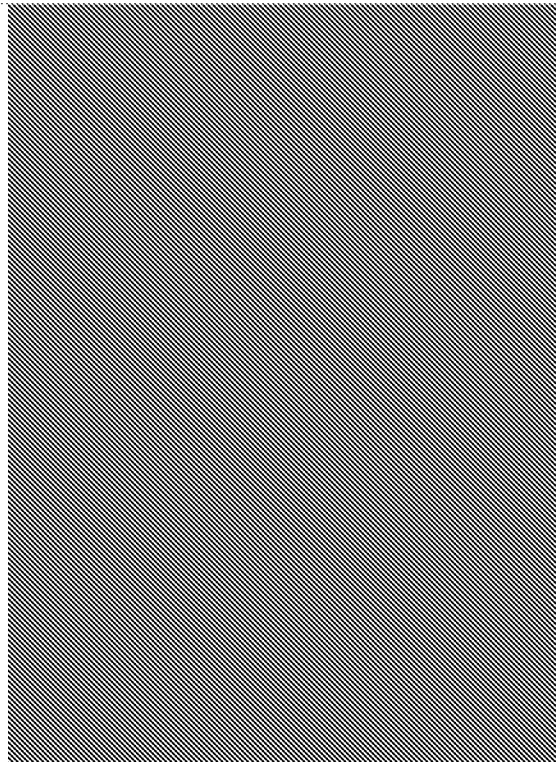
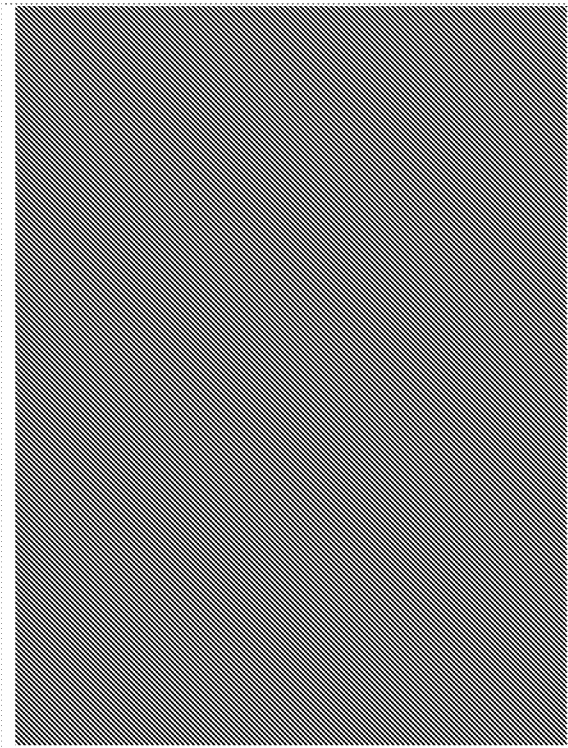
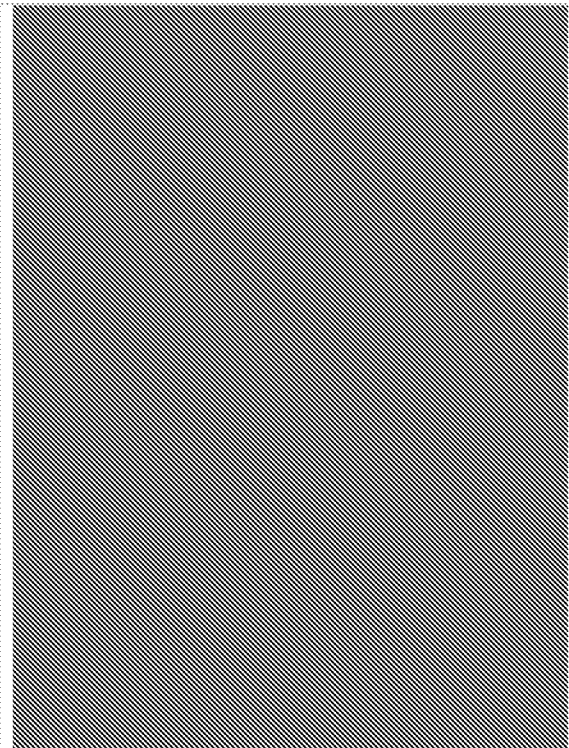
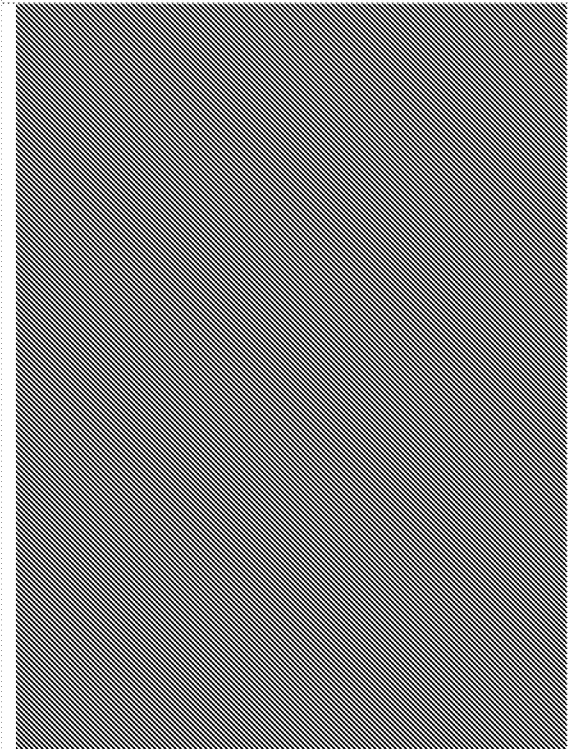
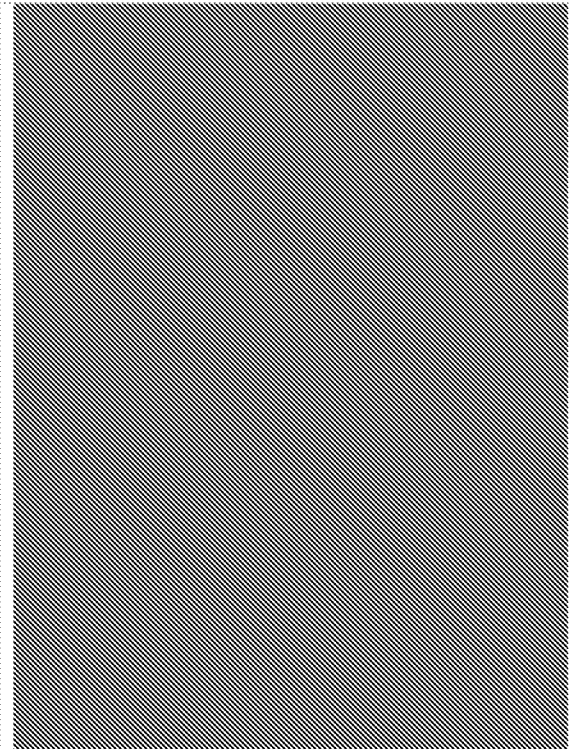


Plate 32: Water ingress within TP122.

	
Plate 33: Sample location TP126.	Plate 34: Water ingress within TP111.
	
Plate 35: Water ingress within TP105.	Plate 36: Water ingress within TP115.

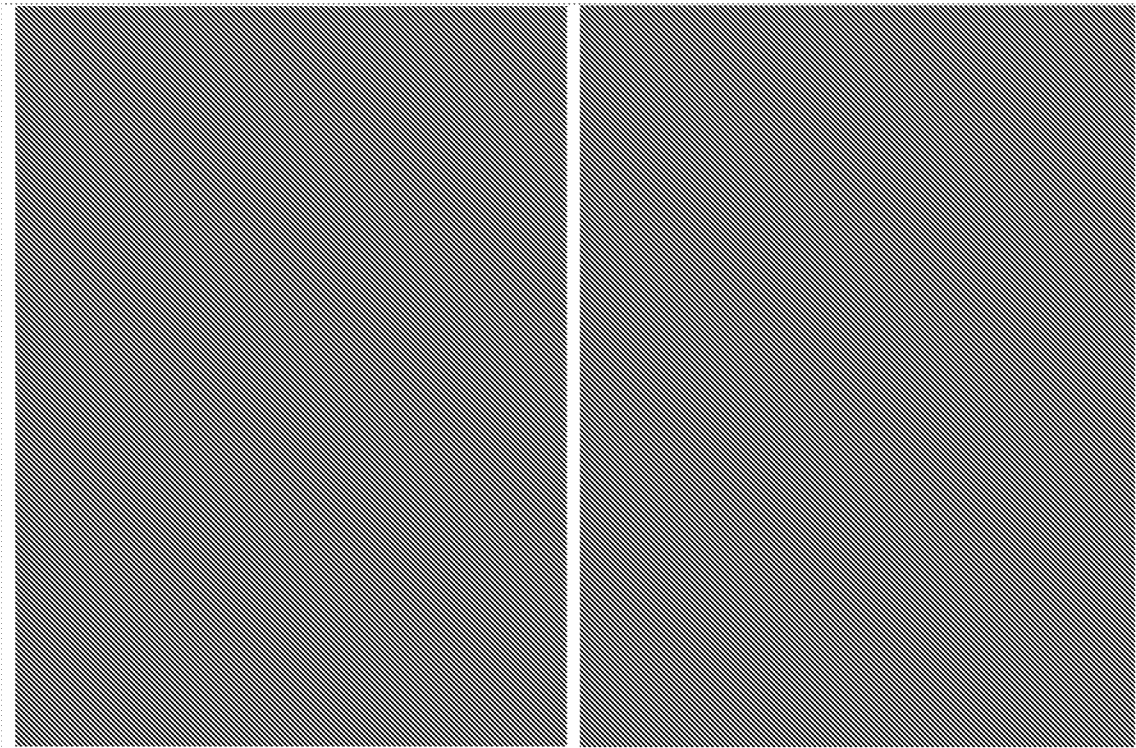


Plate 37: Sample location TP114.

Plate 38: Sample location TP113.

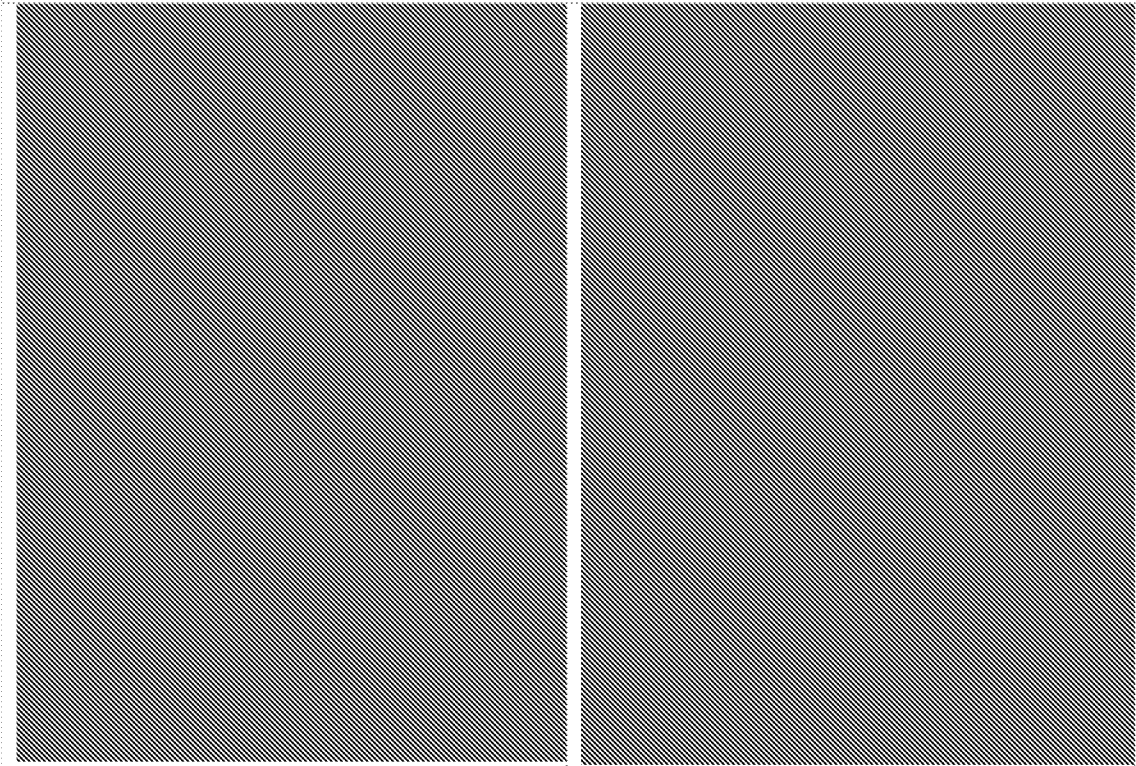


Plate 39: Water ingress within TP116.

Plate 40: Water ingress within TP117.

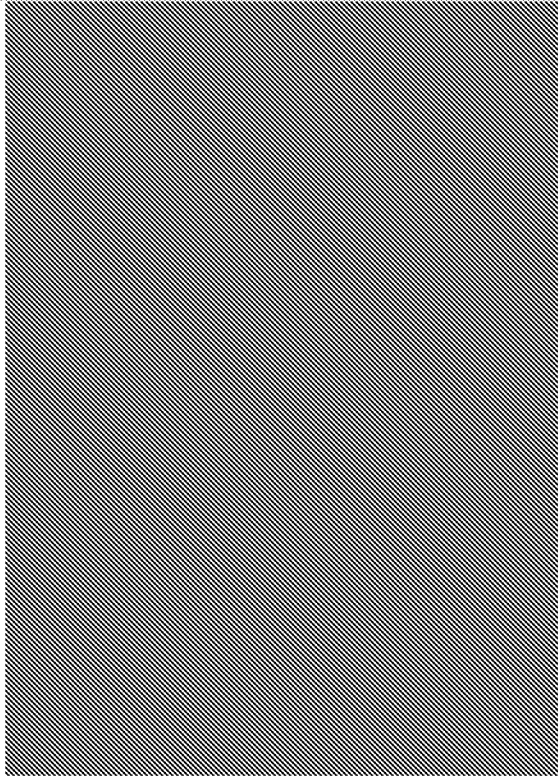


Plate 41: Water ingress within TP109.

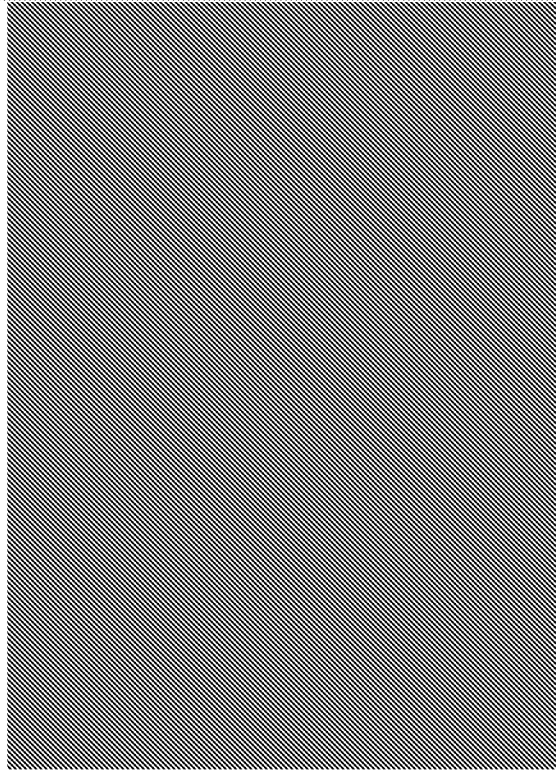


Plate 42: Water ingress within TP103.

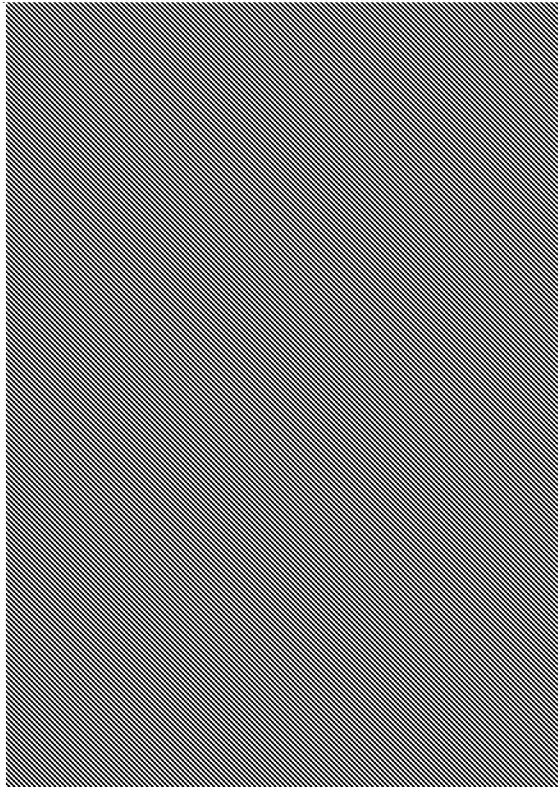


Plate 43: Water ingress within TP102.

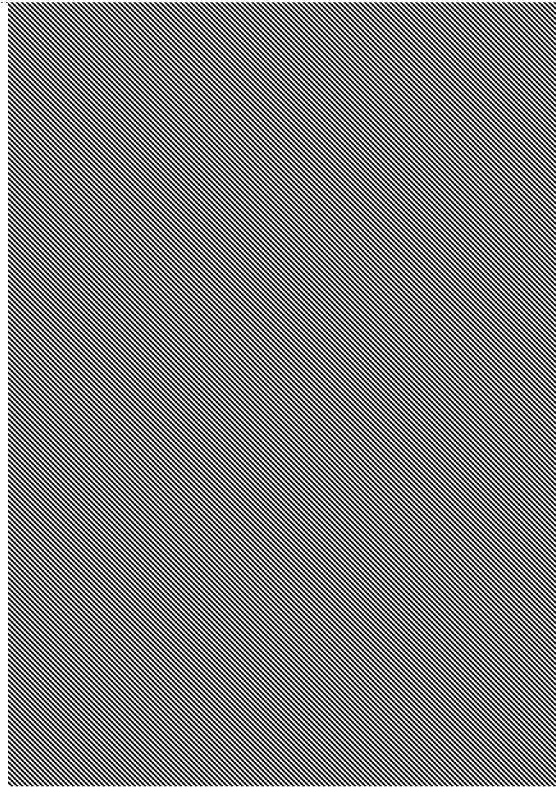


Plate 44: Water ingress within TP112.

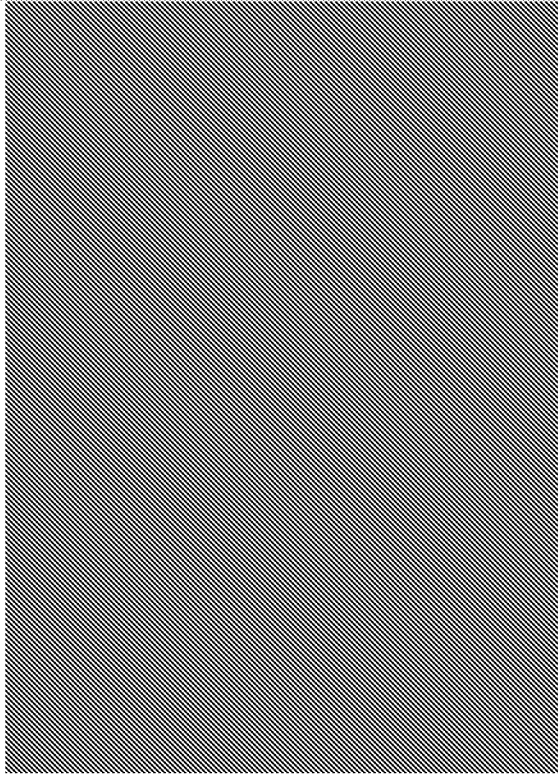


Plate 45: Water ingress within TP110.

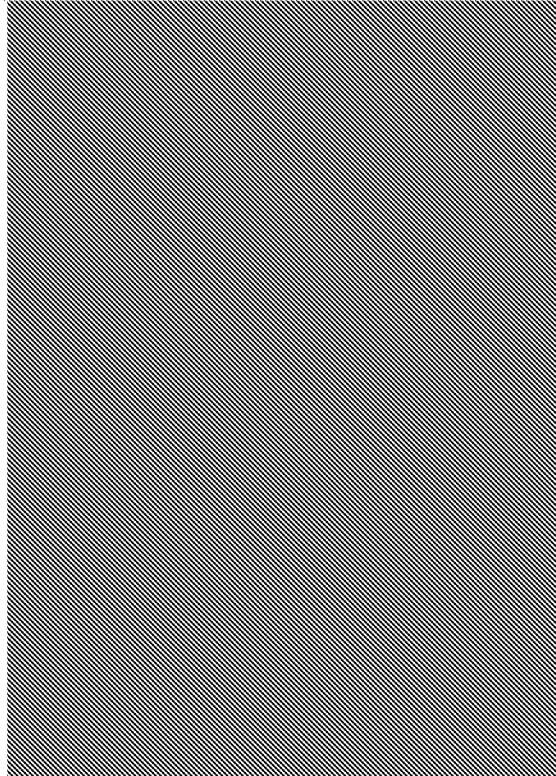


Plate 46: Sample location TP140.

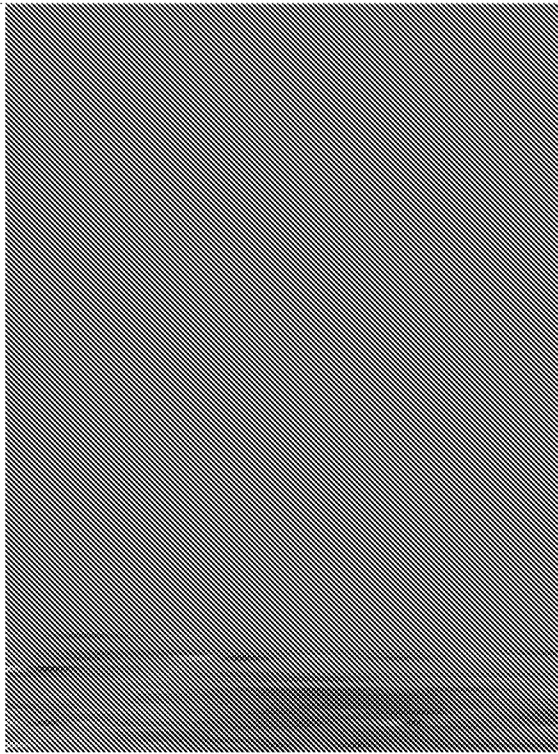


Plate 47: Commencement of hand-digging within BH102.

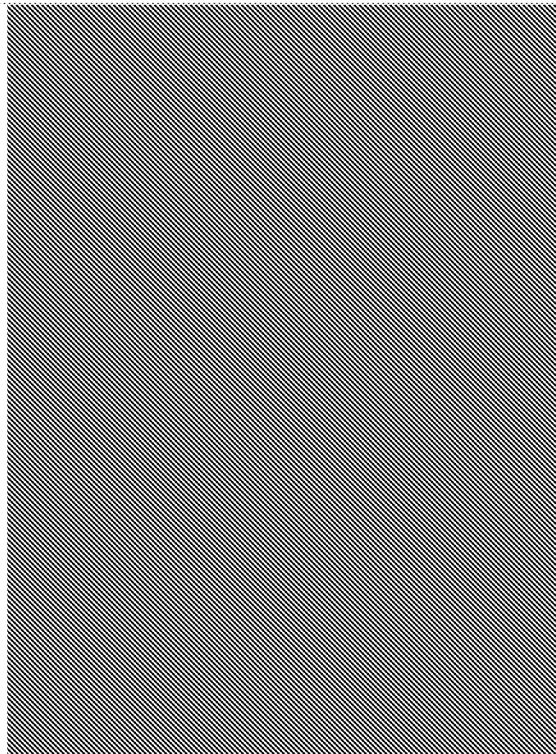


Plate 48: Made ground arisings encountered at BH102.



Plate 49: BH105



Plate 50: Phase 4 area facing south



APPENDIX F -- Trial Hole and Borehole Logs

**Trial Hole and
Borehole Logs**

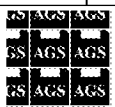


Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Borehole Log				Borehole No. BH103		
[REDACTED]								Sheet 1 of 2		
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503494 - 104183		Hole Type CP		
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Level: 3.00		Scale 1:50				
Client: Persimmon Homes Thames Valley				Dates: 23/01/2020 - 27/01/2020		Logged By OA				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		1.00	B	N=10 (1,0/1,3,3,3)	1.10	1.90		Brown to dark brown silty sandy gravelly clay MADE GROUND with gravel of subangular to subrounded fine to coarse and cobbles of flint.	1	
	1.20									
			2.00	B	N=5 (1,1/1,1,2,1)	2.10	0.90		Soft dark brown gravelly CLAY with gravel of subangular to subrounded fine to coarse and cobbles of flint.	2
	2.20									
			3.00	B	N=4 (1,0/1,1,1,1)	3.30	-0.30		Soft dark brown to dark grey gravelly CLAY with gravel of subangular to subrounded fine to coarse and cobbles of flint.	3
	3.20	SPTL								
	3.20	S								
	3.50	B								
			4.20	SPTL	N=7 (1,0/2,1,2,2)	4.20			Off white to cream weathered structureless CHALK recovered as silty chalk gravel with fine to coarse subangular to subrounded flint.	4
	4.20	S								
		5.50	B	N=3 (1,0/1,0,1,1)				Off white to cream structured high density CHALK recovered as silty chalk gravel with sub-angular to sub-rounded flint.	5	
		6.00	B							
		6.00	SPTL							
		6.00	S						6	
		7.00	D	N=18 (2,4/5,4,4,5)				Off white to cream structured high density CHALK recovered as silty chalk gravel with sub-angular to sub-rounded flint.	7	
		7.50	SPTL							
		7.50	S							
		8.50	D	N=28 (8,12/9,5,7,7)	8.50	-5.50		Off white to cream structured high density CHALK recovered as silty chalk gravel with sub-angular to sub-rounded flint.	8	
		9.00	SPTL							
		9.00	S						9	
		10.00	B						10	

Remarks

Borehole was terminated due to slow progress through high density chalk. The borehole was reinstated with arisings from 14.0m to 3.7m, bentonite from 3.7m to 2.7m arisings from 2.7m to 1.0m and bentonite from 1.0m to ground level.

Continued on next sheet

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1YA 				Borehole Log				Borehole No. BH103		
								Sheet 2 of 2		
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503494 - 104183		Hole Type CP		
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Level: 3.00		Scale 1:50				
Client: Persimmon Homes Thames Valley				Dates: 23/01/2020 - 27/01/2020		Logged By OA				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		10.50	SPTL	N=50 (2,7/50 for 297mm)	14.00	-11.00			11	
		10.50	S							
		11.50	D	N=50 (12,11/50 for 218mm)						12
		12.00	SPTL							
		12.00	S							
	13.00	D	13							
	13.50	D								
									14	
									15	
									16	
									17	
									18	
									19	
									20	
Remarks Borehole was terminated due to slow progress through high density chalk. The borehole was reinstated with arisings from 14.0m to 3.7m, bentonite from 3.7m to 2.7m arisings from 2.7m to 1.0m and bentonite from 1.0m to ground level.										

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA		Borehole Log				Borehole No. BH104			
						Sheet 1 of 2			
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503652 - 104184		Hole Type CP			
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP		Level: 4.23		Scale 1:50					
Client: Persimmon Homes Thames Valley		Dates: 06/01/2020 - 07/01/2020		Logged By OA					
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Grass over brown gravelly sandy CLAY with gravel of subangular to subrounded fine to coarse flint.	1	
		1.00	B		1.10	3.13			
		1.20	D						
		1.20		N=14 (1,2/2,2,4,6)					
			2.00	B		2.50	1.73		2
		2.20		N=17 (2,3/6,5,3,3)					
			3.00	B		3.70	0.53		3
		3.20		N=11 (1,3/3,3,3,2)					
			4.00	B		4.40	-0.17		4
		4.20		N=5 (1,0/1,0,1,3)					
			4.50	B		6.00	-1.77		5
		5.20		N=18 (1,2/4,5,5,4)					
			6.50	D		7.20	-2.97		6
		7.00	B						
	7.00		N=16 (1,2/2,4,4,6)		8.00	B		7	
		8.50		N=29 (2,4/5,8,8,8)					
		9.50	D						
Continued on next sheet									
Remarks Borehole was terminated due to slow progress through high density chalk. A groundwater monitoring well was installed. The installation comprised a raised steel cover over plain pipe from ground level to 4.0mbgl over slotted pipe from 4.0m to 6.0mbgl. The borehole was reinstated with arisings from 13.7m to 7.0mbgl bentonite from 7.0m to 6.0m, gravel from 6.0m to 4.0m, arisings from 4.0m to 1.0m and bentonite from 1.0m to ground level.									

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA		Borehole Log				Borehole No. BH104 Sheet 2 of 2	
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503652 - 104184		Hole Type CP	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Level: 4.23		Scale 1:50	
Client: Persimmon Homes Thames Valley				Dates: 06/01/2020 - 07/01/2020		Logged By OA	

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		10.00		N=50 (6,6/50 for 296mm)					
		11.00	B						11
		11.50		N=50 (25 for 149mm/50 for 222mm)					12
		12.50	D						13
		13.00		N=50 (25 for 141mm/50 for 106mm)					13
					13.70	-9.47	End of borehole at 13.70 m		14
									15
									16
									17
									18
									19
									20

Remarks Borehole was terminated due to slow progress through high density chalk. A groundwater monitoring well was installed. The installation comprised a raised steel cover over plain pipe from ground level to 4.0mbgl over slotted pipe from 4.0m to 6.0mbgl. The borehole was reinstated with arisings from 13.7m to 7.0mbgl bentonite from 7.0m to 6.0m, gravel from 6.0m to 4.0m, arisings from 4.0m to 1.0m and bentonite from 1.0m to ground level.	
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Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Borehole Log				Borehole No. BH105 Sheet 1 of 2		
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503550 - 104179		Hole Type CP		
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Level: 2.27		Scale 1:50				
Client: Persimmon Homes Thames Valley				Dates: 10/01/2020 - 13/01/2020		Logged By OA				
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		1.00	B	N=1 (1,0/0,1,0,0)	1.15	1.12		Greyish off white gravelly clay MADE GROUND with gravel of subangular to subrounded fine to coarse chalk and occasional chalk cobbles.	1	
		1.10	D							
		1.20								
				2.00	B				Soft grey to blueish dark grey CLAY.	2
				2.20 - 2.65	U					
				2.65	D					
				3.00	D	N=0 (1,0/0,0,0,0)				3
				3.20						
				4.00	B					4
		4.20 - 4.65	U							
		4.65	D							
		5.50	D	N=2 (0,0/0,1,0,1)				5		
		6.00								
		7.50	B	N=9 (1,0/2,2,3,2)	7.00	-4.73		Off white partially black stained weathered structureless moderate density CHALK recovered as chalk gravel.	7	
		7.50								
		8.00	B							
		9.00		N=13 (6,4/3,3,3,4)	8.00	-5.73		Off white to cream structureless high density CHALK recovered as silty chalk gravel.	8	
		10.00	D						9	
									10	

Continued on next sheet

Remarks Groundwater was struck as 2.70m. Borehole was reinstated with arisings	
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Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Borehole Log				Borehole No. BH106 Sheet 1 of 2	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: -		Hole Type CP	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Level:		Scale 1:50		Logged By OA	
Client: Persimmon Homes Thames Valley				Dates: 14/01/2020 - 17/01/2020					

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		1.00	B	N=9 (1,3/3,2,2,2)	1.30		Light brown to brown silty gravelly CLAY with gravel of subangular to subrounded fine to coarse flint.	1	
	1.20	D							
	1.20	SPTL S							
			2.00	B	N=12 (2,1/2,2,6,2)	2.10		Off white to cream structureless silty clayey gravelly CHALK with gravel of subangular to subrounded fine to coarse chalk and flint.	2
			2.20	SPTL S					
			2.20	S					
			3.00	D	N=6 (1,1/1,1,1,3)			Off white to cream weathered medium to high density structureless CHALK recovered as silty chalk gravel.	3
			3.20	SPTL S					
			3.20	S					
			4.00	D	N=32 (2,4/8,9,7,8)	4.00		Off white to cream high density structured CHALK recovered as silty chalk gravel.	4
		4.20	SPTL S						
		4.20	S						
		5.00	B					5	
		6.00	D	N=22 (2,5/7,5,5,5)				6	
		6.00	SPTL S						
		6.00	S						
		7.00	D	N=33 (1,2/3,14,9,7)				7	
		7.50	SPTL S						
		7.50	S						
		8.00	B					8	
		9.00	D	N=29 (1,2/4,5,11,9)				9	
		9.00	SPTL S						
		9.00	S						
		10.00	D					10	

Continued on next sheet

Remarks
 Borehole was terminated due to slow progress through high density chalk. A groundwater monitoring well was installed. The installation comprised a raised steel cover over plain pipe from ground level to 3.0mbgl over slotted pipe from 3.0m to 6.0mbgl. The borehole was reinstated with arisings from 19.5m to 7.0m, bentonite from 7.0m to 6.0m gravel from 6.0m to 3.0m, bentonite from 3.0m to 2.0m arisings from 2.0m to 1.0m and bentonite from 1.0m to ground level.

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 		Borehole Log			Borehole No. BH106 Sheet 2 of 2	
Project Name: North Littlehampton		Project No. LP2128		Co-ords: -		Hole Type CP
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP		Level:		Scale 1:50		
Client: Persimmon Homes Thames Valley		Dates: 14/01/2020 - 17/01/2020		Logged By OA		

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description																			
		Depth (m)	Type	Results																							
		10.50	SPTL	N=50 (2,5/50 for 295mm)					11																		
		10.50	S																								
		11.50	D	N=50 (5,12/50 for 235mm)										12													
		12.00	SPTL																								
		12.00	S																								
		12.50	B	N=50 (25 for 140mm/50 for 90mm)															13								
		13.50	SPTL																								
		13.50	S																								
		14.50	D	N=50 (25 for 97mm/50 for 45mm)																				14			
		15.00	SPTL																								
		15.00	S																								
		16.00	D	N=75 (75 for 94mm/0 for 0mm)																							
16.50	SPTL																										
16.50	S																										
17.50	D	N=75 (75 for 133mm/0 for 0mm)					16																				
18.00	SPTL																										
18.00	S																										
19.50	SPTL	N=75 (75 for 87mm/0 for 0mm)										17															
19.50	S																										
19.50	S	End of borehole at 19.50 m															18										
19.50	S																										
19.50	S	End of borehole at 19.50 m																				19					
19.50	S																										
19.50	S	End of borehole at 19.50 m																									20
19.50	S																										

Remarks
 Borehole was terminated due to slow progress through high density chalk. A groundwater monitoring well was installed. The installation comprised a raised steel cover over plain pipe from ground level to 3.0mbgl over slotted pipe from 3.0m to 6.0mbgl. The borehole was reinstated with arisings from 19.5m to 7.0m, bentonite from 7.0m to 6.0m gravel from 6.0m to 3.0m, bentonite from 3.0m to 2.0m arisings from 2.0m to 1.0m and bentonite from 1.0m to ground level.

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Borehole Log				Borehole No. BH107 Sheet 1 of 2	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503655 - 104158		Hole Type CP	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Level: 4.23		Scale 1:50			
Client: Persimmon Homes Thames Valley				Dates: 08/01/2020 - 09/01/2020		Logged By OA			

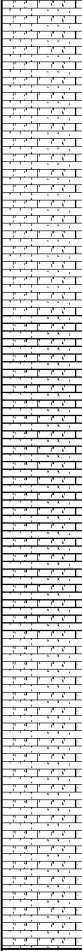
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		1.00	B	N=7 (1,0/1,0,3,3)	1.30		Soft brown to dark brown silty sandy CLAY.	1	
		1.20							
		2.00	B	N=18 (1,3/4,5,4,5)			Firm orangish brown silty slightly sandy gravelly CLAY with gravel of subangular to subrounded fine to coarse flint.	2	
		2.20							
		3.00	B	N=22 (1,0/2,3,9,8)	2.90		Off white to cream structureless high density CHALK recovered as silty chalk gravel.	3	
		3.20							
		4.00	B	N=4 (1,1/1,1,1,1)				4	
		4.20							
		5.00	D					5	
	6.00		N=8 (1,2/2,1,2,3)				6		
	7.00	B	N=14 (1,1/2,2,5,5)				7		
	7.50								
	8.50	D					8		
	9.00		N=19 (7,6/6,6,3,4)				9		
		10.00	B		10.00	-5.77		10	

Remarks

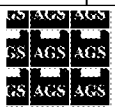
Borehole was terminated due to slow progress through high density chalk. Groundwater was struck at 2.2m. The excavation was reinstated with arisings.

Continued on next sheet

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 		Borehole Log		Borehole No. BH107 Sheet 2 of 2	
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503655 - 104158	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP		Level: 4.23		Hole Type CP	
Client: Persimmon Homes Thames Valley		Dates: 08/01/2020 - 09/01/2020		Scale 1:50	
Client: Persimmon Homes Thames Valley		Dates: 08/01/2020 - 09/01/2020		Logged By OA	

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		10.50		N=46 (4,3/9,11,13,13)				Off white to cream structured high density CHALK recovered as silty chalk gravel.	11
		11.50	D						12
		12.00		N=28 (1,3/6,5,9,8)					13
		13.00	D						14
		13.50		N=50 (25 for 77mm/50 for 148mm)					15
		14.50	D						16
		15.00		N=50 (75 for 135mm/0 for 0mm)					17
	16.00	D				18			
					16.70	-12.47		End of borehole at 16.70 m	19
									20

Remarks
 Borehole was terminated due to slow progress through high density chalk. Groundwater was struck at 2.2m. The excavation was reinstated with arisings.



Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Borehole Log				Borehole No. WS101	
[REDACTED]								Sheet 1 of 1	
Project Name: North Littlehampton				Plot No. LP2128		Co-ords: 503550 - 104183		Hole Type WS	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Level: 2.32		Scale 1:20			
Client: Persimmon Homes Thames Valley				Dates: 06/12/2019 - 06/12/2019		Logged By MW			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.15	ES		0.30	2.02		Brownish light grey sandy silty gravelly MADE GROUND with gravel of subangular to subrounded medium to coarse flint, brick and blacktop.	1
		0.60	ES					Off white mottled grey brown structureless chalk MADE GROUND recovered as sub-rounded to rounded medium to coarse chalk gravel.	
					1.20	1.12		Grey mottled orangish brown silty CLAY.	
					1.40	0.92		Soft grey organic silty CLAY.	
					2.00	0.32		End of borehole at 2.00 m	2
									3
									4
Remarks No Recovery was achieved below 2.0m. Probing was undertaken at 1.0m centres to 5.0mbgl.									

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Borehole Log				Borehole No. WS102 Sheet 1 of 2	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503625 - 104168		Hole Type WS	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Level: 2.21		Scale 1:20			
Client: Persimmon Homes Thames Valley				Dates: 06/12/2019 - 06/12/2019		Logged By ADC			

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
	▼	0.30	ES					Off white silty gravelly MADE GROUND with gravel of subangular to subrounded fine to coarse and cobbles of chalk and occasional brick and flint.	
		1.00		N=10 (1,2/2,2,3,3)	1.00	1.21		Firm orange brown silty gravelly CLAY with gravel of subangular to subrounded medium to coarse chalk.	1
		1.30	B					<u>Too gravelly for Hand Pen.</u>	
		2.00			1.80	0.41		Off white structureless low density CHALK recovered as silty gravel of subangular to subrounded fine to coarse chalk. Grade Dm.	2
		2.00	B	N=21 (2,3/6,4,4,7)					
		3.00			2.40	-0.19		Off white low to medium density CHALK recovered as silty gravel with relict structure. Grade Dc.	
		3.00	D	N=10 (2,3/2,2,2,4)				<u>No SPT sample recovered at 3.0m</u>	3
		4.00	D		4.00	-1.79		Continued on next sheet	4

Remarks Borehole remained stable. Groundwater struck at 0.50m. Borehole was backfilled with arisings.	
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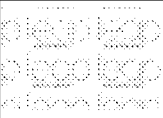
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Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Borehole Log				Borehole No. WS103 Sheet 1 of 2	
Project Name: North Littlehampton				Project No. LP2128		Co-ords: 503582 - 104191		Hole Type WS	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP				Level: 2.29		Scale 1:20			
Client: Persimmon Homes Thames Valley				Dates: 06/12/2019 - 06/12/2019		Logged By ADC			

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.30	1.99	Brown sandy gravelly MADE GROUND with gravel of subangular to subrounded fine to coarse chalk, flint, brick and blacktop.	1	
		1.00	ES	N=4 (2,2/1,1,1,1)	1.10	1.19	Silty gravel MADE GROUND comprising subangular to subrounded fine to coarse and cobbles of chalk and occasional flint. <u>Black clay noted at 1.0m</u>		
		1.50	B				Firm becoming soft mottled grey black and green CLAY with occasional rootlets. <u>Hand Pen at 1.5m =155kPa</u>	2	
		2.00		N=1 (0,0/0,0,0,1)					
		2.50	D				<u>Hand Pen at 2.5m =30kPa</u>		
		3.00		N=1 (0,0/0,0,0,1)			<u>No recovery in U70 sampler at 3.0m</u>		3
		3.50	B						
		4.00		N=1 (0,0/0,0,0,1)				4	

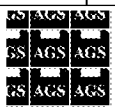
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Remarks Borehole remained stable. Groundwater struck at 1.10m. Combined gas and water monitoring well installed. Installation comprised a flush steel cover with 1.0m of plain pipe above 2.0m of slotted pipe. The borehole was backfilled with arisings from 5.0m - 3.2m, bentonite from 3.2m - 3.0m, gravel from 3.0m - 1.0m, bentonite from 1.0m - 0.15m and cement from 0.15m to ground level.							
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 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA		Borehole Log				Borehole No. WS103 Sheet 2 of 2	
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503582 - 104191		Hole Type WS	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP		Level: 2.29		Scale 1:20		Logged By ADC	
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					
							 No recovery in SPT at 4.0m		
		4.80	D		4.70	-2.41		Off white mottled pale orange structureless CHALK recovered as gravelly silt with gravel of subangular to subrounded fine to medium chalk. Grade Dm.	
		5.00		N=4 (1,1/1,1,1,1)	5.00	-2.71		End of borehole at 5.00 m	
								5	
								6	
								7	
								8	

Remarks
 Borehole remained stable. Groundwater struck at 1.10m. Combined gas and water monitoring well installed. Installation comprised a flush steel cover with 1.0m of plain pipe above 2.0m of slotted pipe. The borehole was backfilled with arisings from 5.0m - 3.2m, bentonite from 3.2m - 3.0m, gravel from 3.0m - 1.0m, bentonite from 1.0m - 0.15m and cement from 0.15m to ground level.



Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA		Borehole Log				Borehole No. WS104	
						Sheet 1 of 2	
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503621 - 104215		Hole Type WS	
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP		Level: 2.81		Scale 1:20			
Client: Persimmon Homes Thames Valley		Dates: 06/12/2019 - 06/12/2019		Logged By ADC			

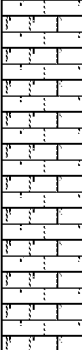
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.25	ES		0.25	2.56		Pinkish brown sandy gravelly MADE GROUND with gravel of subangular fine to coarse brick, flint and concrete with occasional wood fragments.	1	
		0.35	ES					Friable dark green and orange sandy gravelly clayey MADE GROUND. Sand is fine grained. Gravel is fine to medium flint, chalk and brick.		
					0.50	2.31		Orangish brown sandy gravelly clayey MADE GROUND with gravel of subangular to subrounded fine to medium flint and brick. Sand is fine to medium.		
					0.80	2.01		Light greyish orange and dark orange slightly gravelly SAND. Sand is fine to medium. Gravel is fine to medium sub-angular flint.		
			1.00	D	N=4 (1,1/1,1,1,1)					
			1.00							
			1.40	D					Sand becomes silty below 1.3m	
						1.50	1.31		Orangish brown silty slightly clayey SAND with chalk gravel.	
						1.80	1.01		Off white mottled pale orange brown low to medium density CHALK recovered as slightly sandy gravelly silt comprising subangular to subrounded fine to coarse chalk gravel. Grade Dm.	2
			2.00		N=8 (1,1/2,2,2,2,2)					
		2.30	D		2.40	0.41		Off white mottled orange brown medium density relicly structured CHALK recovered as silty gravel comprising subangular to subrounded fine to coarse chalk. Grade Dc.	3	
		2.90	D							
		3.00		N=12 (1,2/3,3,3,3)						
					3.60	-0.79		Off white structured low to medium density CHALK. Laminated in places. Grade Dc.		
		3.70	D							
		4.00		N=8 (2,2/2,2,2,2,2)					4	

Continued on next sheet

Remarks

Borehole remained stable. Groundwater struck at 1.20m. Combined gas and water monitoring well installed. Installation comprised a raised steel cover at surface with 0.5m of plain pipe above 1.0m of slotted pipe. The boreholes was backfilled with arisings from 5.0m - 1.80m, bentonite from 1.80m - 1.50m, gravel from 1.50m - 0.50m, bentonite from 0.50m - 0.15m and cement from 0.15m to ground level.



 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA		Borehole Log				Borehole No. WS104			
						Sheet 2 of 2			
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503621 - 104215		Hole Type WS			
Location: Land near Wick, North Littlehampton, West Sussex, BN17 7PP		Level: 2.81		Scale 1:20		Logged By ADC			
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					
		5.00 5.00	D	N=10 (2,2/2,2,3,3)	5.00	-2.19		End of borehole at 5.00 m	5
									6
									7
									8
Remarks Borehole remained stable. Groundwater struck at 1.20m. Combined gas and water monitoring well installed. Installation comprised a raised steel cover at surface with 0.5m of plain pipe above 1.0m of slotted pipe. The boreholes was backfilled with arisings from 5.0m - 1.80m, bentonite from 1.80m - 1.50m, gravel from 1.50m - 0.50m, bentonite from 0.50m - 0.15m and cement from 0.15m to ground level.									



Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA		Trial Pit Log		Trialpit No TP101 Sheet 1 of 1	
Project Name: North Littlehampton		Project No. LP2128	Co-ords: 503485 - 104241 Level: 3.58		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
	Depth	Type	Results				
	0.10	ES	N=11				Brown to greyish light brown silty sandy clayey gravelly MADE GROUND with gravel of subangular to subrounded fine to coarse and cobbles of flint, brick, concrete and chalk and occasional cobbles of blacktop cobbles, plastic bags, plastic pipe, fine to coarse fragments of glass and timber. <i>Faint to moderate ammonia odour encountered during excavation at 0.5m</i>
	0.60	ES					
	1.80	ES					
	2.90	ES		2.80	0.78		Dark grey silty sandy gravelly clayey MADE GROUND with gravel of subangular to subrounded fine to coarse flint, brick and chalk. <i>Faint hydrocarbon odour detected at 2.8m.</i> End of pit at 3.00 m
				3.00	0.58		

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 TP102 Sheet 1 of 1	
Project Name: North Littlehampton		Project No. LP2128		Co-ords: 503626 - 104168		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		0.30	1.91		Grass over brown to reddish brown silty clayey TOPSOIL with frequent rootlets and wooden debris.	1
	0.40	ES					Firm brown to light brown silty CLAY with occasional coarse fragments of chalk.	
	1.00	D	N=14	2.10	0.11		Hand Pen at 0.8m = 86.66kPa Off white structureless silty clayey medium to high density CHALK recovered as an angular coarse chalk gravel. Dc grade. Frequent chalk cobbles encountered below 2.3m.	2
	2.80	D					3.00	-0.79
								4
								5

Remarks: Fast flowing seepage encountered at 2.5m. Water level arose to 1.8m after 10 minutes.	
Stability: Major collapse below 2.1m.	