

Plate 47 Borehole BH203 during drilling



Plate 48 Borehole BH203 corings



Plate 49 Borehole BH204 during drilling works



Plate 50 Completed Borehole Headworks

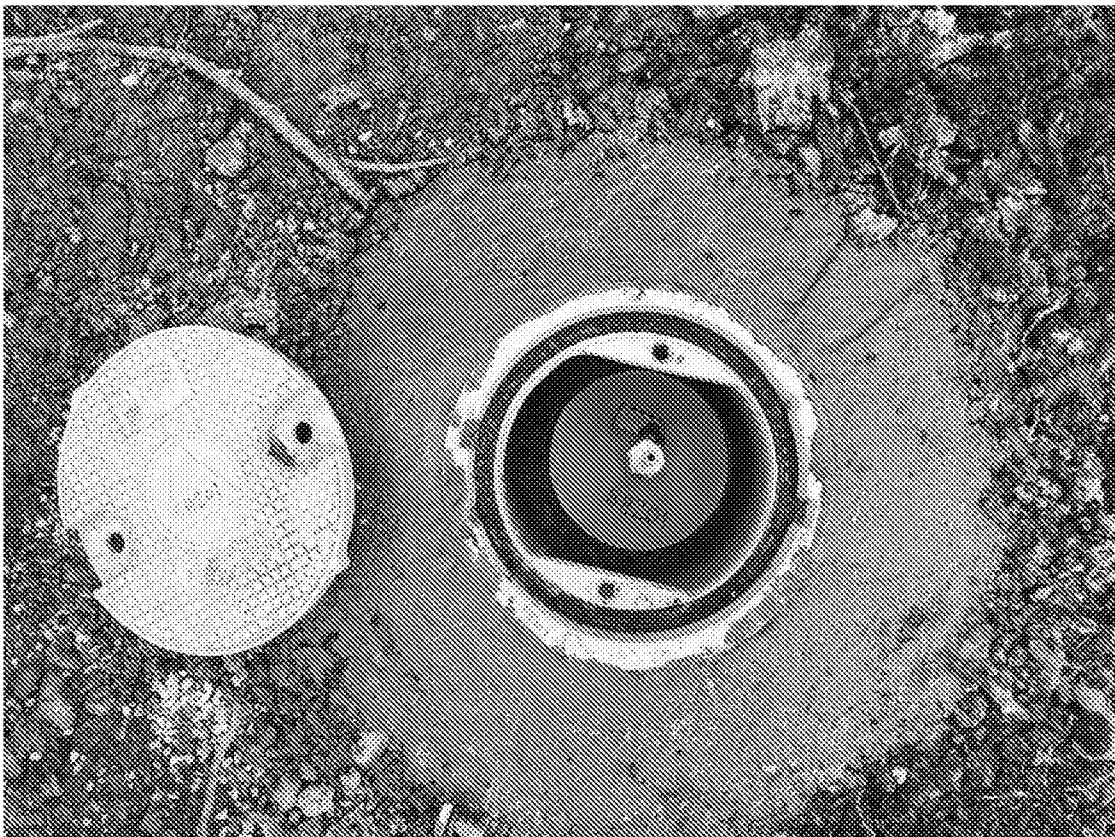


Plate 51 Northern area of site following borehole installation works



Plate 52 Stockpile of vegetation remaining on-site



APPENDIX D TRIAL PIT AND BOREHOLE LOGS

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.50	ES		0.30			Gravel of medium shingle and topsoil with much rootlets. Made Ground. (MG)
						Dark brown silt, sand, gravel with some metal scrap fragments and thick (25mm) rebar. Made Ground. (MG)
						Light brown silt, sand, gravel. Made Ground. (MG)
						White weathered reworked chalk with coarse gravel of flint. Concrete slab of former gasholder base found at 0.6m depth (0.3m thick). Made Ground. Stable sides, no water, no visual/olfactory contamination (MG)
Trialpit Complete at 1.20 m						

Remarks:

Groundwater:



					Celtic Technologies		Trialpit No TP202 Sheet 1 of 1	
Project Name NGPH Arundel			Project No. C1820		Co-ords: 501270E - 106763N Level: -		Date 18/11/2020	
Location: Ford Road, Arundel BN18 9DX					Dimensions: -		Scale 1:25	
Client: National Grid Property Holdings					Depth 1.10m		Logged By SG	

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
Depth (m)	Type	Results					
0.80	ES					Brown subsoil of gravelly sandy silt with much rootlets. Made Ground. (MG)	
						Brown sand, gravel and silt with some whole and half bricks and occasional black ash, coal and clinker. Made Ground (MG)	
						Sandy, gravelly, clay, gravels are subrounded shingle. Brick wall present to west, with visual and olfactory evidence of tar contamination and concrete slab at 1.1m. Made Ground. No water, sides were collapsing (MG)	1
						Trialpit Complete at 1.10 m	
							2
							3
							4

Remarks:	
Groundwater:	



				Celtic Technologies			Trialpit No TP203 Sheet 1 of 1	
Project Name NGPH Arundel			Project No. C1820		Co-ords: 501277E - 106757N Level: -		Date -	
Location: Ford Road, Arundel BN18 9DX					Dimensions: -		Scale 1:25	
Client: National Grid Property Holdings					Depth 2.00m		Logged By SG	

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
Depth (m)	Type	Results					
1.00	ES					Dark brown silt, sand, gravel with much rootlets. Made Ground (MG)	
			0.40			Red/brown gravelly (shingle) CLAY in west side of pit (appears natural). East side of pit has brown silt, sand, gravel and some metal fragments and thick reinforcing steel. Made Ground. (MG)	
			0.90			Light brown mottled CLAY with occasional subrounded medium to coarse gravel in west side of pit (appears natural). Brown and white weathered chalk with occasional black staining and some metal sheeting. Made Ground. Brick (MG)	1
			1.10			Wall 0.4 m thick at 1 m depth (MG)	
			1.50			Grey silt, sand and gravel, water ingress at 2 m. Slight organic odour. Stable sides (SG)	
			2.00			Trialpit Complete at 2.00 m	2
							3
							4

Remarks:	
Groundwater:	



FIGURE 3.1 (B) 428 (G) Structure Trialpit Log (2.00m) 27th Nov 20

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
1.00	ES		0.30			Dark brown silt, sand, gravel and much rootlets. Made Ground. (MG)
						White gravels, cobbles and boulders of reworked chalk with occasional pocket of blue spent oxide, some bricks and much metal sheeting. Made Ground. Terminated at 1.4 m due to presence of much metal sheeting obstructions. (MG)
			1.40			Trialpit Complete at 1.40 m

Remarks:

Groundwater:



				Celtic Technologies		Trialpit No TP205 Sheet 1 of 1	
Project Name NGPH Arundel			Project No. C1820		Co-ords: 501280E - 106748N Level: -		Date 18/11/2020
Location: Ford Road, Arundel BN18 9DX					Dimensions: -		Scale 1:25
Client: National Grid Property Holdings					Depth 1.70m		Logged By SG

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
Depth (m)	Type	Results					
1.50	ES		0.10			Dark brown sub-soil with much rootlets. Made Ground. (MG)	
			0.60			White reworked chalk with some brick and brick fragments, metal sheets. Chalk is coarse gravel, cobbles and boulders. Made Ground. (MG)	
			1.70			Reworked chalk (coarse gravel, cobbles and boulders). Made Ground. Brick wall present at 0.7 m depth, approx. 0.6 m wide. No water, no odour, stable sides. (MG)	
						Trialpit Complete at 1.70 m	

Remarks:		
Groundwater:		

Project Name
NGPH Arundel

Project No.
C1820

Co-ords: 501259E - 106748N
Level: -

Date
18/11/2020

Location: Ford Road, Arundel BN18 9DX

Dimensions:

Scale
1:25

Client: National Grid Property Holdings

Depth
2.20m

Logged By
SG

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
1.20	ES		0.10			Dark brown sub-soil with much rootlets. Made Ground. (MG)
			0.50			Weathered reworked chalk with some brick fragments in brown silty matrix. Made Ground. (MG)
2.00	ES		1.80			Brown/white sandy gravelly silt with some timber and brick. Made Ground. (MG)
			2.20			Grey/black sandy, gravelly clay with some free tar staining. Made Ground. Water ingress at 2.1 m, tar odour, collapsing sides (MG)
						Trialpit Complete at 2.20 m

Remarks:

Groundwater:



Project Name
NGPH Arundel

Project No.
C1820

Co-ords: 501264E - 106735N
Level: -

Date
18/11/2020

Location: Ford Road, Arundel BN18 9DX

Dimensions:

Scale
1:25

Client: National Grid Property Holdings

Depth
1.90m

Logged By
SG

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.60	ES		0.10		Dark brown sub-soil with much rootlets. Made Ground. (MG)	1
			1.90		Whole bricks, laid but no mortar. Steel beam and columns present in centre of circular footprint. Bricks extend north beyond circular footprint. To the south of the steel beams dark brown silt, sand, gravel with much loose whole bricks and cobbles/boulders of concrete with some metal fragments, sections of steel rebar. Made Ground. Water ingress at 1.9 m and tar contamination present. 0.3 m wide brick wall on southern line of circle with natural red/brown sandy (MG)	
					Trialpit Complete at 1.90 m	2
						3
						4

Remarks:

Groundwater:



Project Name
NGPH Arundel

Project No.
C1820

Co-ords: 501288E - 106733N
Level: -

Date
18/11/2020

Location: Ford Road, Arundel BN18 9DX

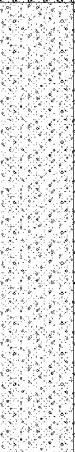
Dimensions:

Scale
1:25

Client: National Grid Property Holdings

Depth
2.00m

Logged By
SG

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
1.50	ES		0.30			Brown silt, sand, fine to medium gravel (of shingle). Made ground. (MG)
						Red/brown silty, sandy GRAVEL (of shingle), gravels becoming cobbles with depth (SG)
			1.80			Brown gravelly CLAY. Stable sides, no water, no odour or contamination. (LC)
			2.00		Trialpit Complete at 2.00 m	

Remarks:

Groundwater:



				Celtic Technologies		Trialpit No TP209 Sheet 1 of 1	
Project Name NGPH Arundel			Project No. C1820		Co-ords: 501293E - 106704N Level: -		Date 18/11/2020
Location: Ford Road, Arundel BN18 9DX					Dimensions: -		Scale 1:25
Client: National Grid Property Holdings					Depth 2.10m		Logged By SG

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.60	ES		0.10			Brown sub-soil with much rootlets. Made Ground. (MG)
			0.30			Dark brown silt, sand, gravel. Made Ground. (MG)
			0.50			Brown sand, gravel and clay. Made Ground. (MG)
			0.80			White/brown weathered reworked chalk and clay/gravel (of flint). Made Ground. (MG)
			2.10			Red/brown sandy, gravelly CLAY (gravel of shingle). Stable, no water, no contamination or odour. (LC)
						Trialpit Complete at 2.10 m

Remarks:	
Groundwater:	

File: C:\Users\j\Documents\TP209\TP209.dwg Date: 18/11/2020

Project Name
NGPH Arundel

Project No.
C1820

Co-ords: 501316E - 106718N
Level: -

Date
18/11/2020

Location: Ford Road, Arundel BN18 9DX

Dimensions:

Scale

1:25

Client: National Grid Property Holdings

Depth
1.80m

Logged By
Sg

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
1.00	ES		0.40		Brown subsoil and shingle. Made Ground. (MG)	1
			0.70		Weathered reworked chalk with large boulder size concrete at 0.6 m depth. Made Ground. (MG)	
			1.20		Dark brown clay, gravel and brick. Concrete walls present and 0.5 m dia case iron pipe running N-S. Made Ground. (MG)	
			1.80		Red/brown sandy, gravelly CLAY. Stable, no contamination, odour or water. (LC)	
					Trialpit Complete at 1.80 m	
						3
						4

Remarks:

Groundwater:



				Celtic Technologies		Trialpit No TP211 Sheet 1 of 1	
Project Name NGPH Arundel			Project No. C1820		Co-ords: 501306E - 106727N Level: -		Date 18/11/2020
Location: Ford Road, Arundel BN18 9DX					Dimensions: - Depth 1.50m		Scale 1:25
Client: National Grid Property Holdings							Logged By SG

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.80	ES		0.30			Light brown sandy, gravelly clay. Made Ground. Yellow 25 mm dia. gas pipe running N-S at 0.25 m depth at western end of pit (2.5m from edge of Governor compound). Cast iron 0.5 m dia. pipe running N-S at 0.5 m depth (top of (MG)
			0.60			White reworked fine to coarse sub-angular to subrounded chalk gravels and cobbles. Made Ground. (MG)
			1.00			Brown silt, sand, gravel with occasional ash and brick fragments. Made Ground. (MG)
			1.50			Brown gravelly CLAY. Stable sides, no water, no odour or contamination. (LC)
						Trialpit Complete at 1.50 m

Remarks:	
Groundwater:	

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				Celtic Technologies		Trialpit No TP212 Sheet 1 of 1	
Project Name NGPH Arundel			Project No. C1820		Co-ords: 501320E - 106733N Level: -		Date 18/11/2020
Location: Ford Road, Arundel BN18 9DX					Dimensions: -		Scale 1:25
Client: National Grid Property Holdings					Depth 2.00m		Logged By SG

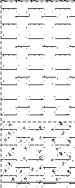
Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
Depth (m)	Type	Results					
0.50	ES		0.40			Light brown silt, sand and gravel with much ash and brick fragements. Made Ground. (MG)	
			0.80			White/brown weathered reworked chalk and brown clay/gravel (of flint). Made Ground. (MG)	
			1.10			Brown silt, sand, gravel with occasional brick and concrete fragments. Made Ground. 300 mm dia. Clay pipe running N-S at 1.1 m depth. (MG)	1
			1.50			Brown gravelly clay with some ash and brick. Made Ground. (MG)	
			2.00			Mottled brown gravelly CLAY (gravels are subrounded coarse shingle). Stable sides, no water, no contamination. (LC)	
						Trialpit Complete at 2.00 m	2
							3
							4

Remarks:	
Groundwater:	

Celtic Technologies				Trialpit No TP213		
enGlobe				Sheet 1 of 1		
Project Name NGPH Arundel		Project No. C1820	Co-ords: 501334E - 106733N Level: -		Date 18/11/2020	
Location: Ford Road, Arundel BN18 9DX			Dimensions: -		Scale 1:25	
Client: National Grid Property Holdings			Depth 1.70m		Logged By SG	
Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
1.00	ES		0.10		Brown subsoil and rootlets. Made Ground. (MG)	
			0.60			
			0.90		Concrete (MG)	
			1.30		Brown silt, sand and gravel (SG)	
			1.70		Sandy, clayey GRAVEL (shingle). Slight seepage of water at 1.7m (SG)	
Trialpit Complete at 1.70 m						
Remarks:						
Groundwater:						



				Celtic Technologies		Trialpit No TP214 Sheet 1 of 1	
Project Name NGPH Arundel			Project No. C1820		Co-ords: 501320E - 106743N Level: -		Date 18/11/2020
Location: Ford Road, Arundel BN18 9DX					Dimensions: -		Scale 1:25
Client: National Grid Property Holdings					Depth 1.20m		Logged By SG

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.40	ES		0.06			Tarmacadam (MG)
			0.30			Whole and half bricks and shingle within sandy clay matrix. Made Ground. (MG)
			0.60			Brown gravelly clay with some brick fragments. Made Ground. (MG)
			1.00			Brown/black mottled CLAY. (LC)
			1.20			Mottled brown gravelly CLAY (gravels are subrounded coarse shingle). Stable sides, no contamination, slight seepage of water at 1.2 m. (SG)
Trialpit Complete at 1.20 m						

Remarks:
Groundwater:



POLYBASE 3.1 (B01 428 0) Structure Trialpit Log 12/10/07 27/6/10/20

