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

ARUN DISTRICT COUNCIL AB/45/21/PL

Celtic Technologies

Trialpit No
TP201
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501280E - 106770N Level: -	Date
NGPH Arundel	C1820		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				
						Gravel of medium shingle and topsoil with much rootlets. Made Ground. (MG)
			0.30			
0.50	ES					Dark brown silt, sand, gravel with some metal scrap fragments and thick (25mm) rebar. Made Ground. (MG)
			0.90			
			1.00			Light brown silt, sand, gravel. Made Ground. (MG)
			1.20			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:

AGS

Celtic Technologies

Trialpit No
TP202
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501270E - 106763N Level: -	Date
NGPH Arundel	C1820		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				
						Brown subsoil of gravelly sandy silt with much rootlets. Made Ground. (MG)
			0.40			Brown sand, gravel and silt with some whole and halkf bricks and occasional black ash, coal and clinker. Made Ground (MG)
0.80	ES					
			0.90			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)
			1.10			

Trialpit Complete at 1.10 m

Remarks:

Groundwater:

AGS

HoleBASE 3.1 IBM 428.48 Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

Trialpit No
TP203
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501277E - 106757N Level: -	Date
NGPH Arundel	C1820		-
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				
						Dark brown silt, sand, gravel with much rootlets. Made Ground (MG)
			0.40			Red/rown 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)
1.00	ES		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

1 2 3 4

Remarks:

Groundwater:

AGS

HoleBASE 3.1 (Bld 428.48) Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

Trialpit No
TP204
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501267E - 106756N Level: -	Date
NGPH Arundel	C1820		18/11/2020
Location: Ford Road, Arundel BN18 9DX		Dimensions: -	Scale 1:25
Client: National Grid Property Holdings		Depth 1.40m	Logged By SG

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						Dark brown silt, sand, gravel and much rootlets. Made Ground. (MG)
			0.30			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)
1.00	ES					
			1.40			Trialpit Complete at 1.40 m

Remarks:

Groundwater:

AGS

HoleBASE 3.1 IBM 428.48 Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

Trialpit No
TP205
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501280E - 106748N Level: -	Date
NGPH Arundel	C1820		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				
			0.10			Dark brown sub-soil with much rootlets. Made Ground. (MG)
						White reworked chalk with some brick and brick fragments, metal sheets. Chalk is coarse gravel, cobbles and boulders. Made Ground. (MG)
			0.60			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)
1.50	ES					
			1.70			Trialpit Complete at 1.70 m

Remarks:

Groundwater:

AGS

HoleBASE 3.1 (Bld 428.48) Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

Trialpit No
TP206
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501259E - 106748N Level: -	Date
NGPH Arundel	C1820		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				
			0.10			Dark brown sub-soil with much rootlets. Made Ground. (MG)
						Weathered reworked chalk with some brick fragments in brown silty matrix. Made Ground. (MG)
			0.50			Brown/white sandy gravelly silt with some timber and brick. Made Ground. (MG)
1.20	ES					
			1.80			Grey/black sandy, gravelly clay with some free tar staining. Made Ground. Water ingress at 2.1 m, tar odour, collapsing sides (MG)
2.00	ES					
			2.20			Trialpit Complete at 2.20 m

Remarks:

Groundwater:

AGS

HoleBASE 3.1 (Bld 428.48) Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

enGlobe

Trialpit No	Sheet 1 of 1
TP207	

Project Name	Project No.	Co-ords: 501264E - 106735N Level: -	Date
NGPH Arundel	C1820		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				
			0.10			Dark brown sub-soil with much rootlets. Made Ground. (MG)
0.60	ES					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)
			1.90			Trialpit Complete at 1.90 m

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Remarks:

Groundwater:

AGS

HoleBASE 3.1 (Bld 428.48) Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

Trialpit No
TP208
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501288E - 106733N Level: -	Date
NGPH Arundel	C1820		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				
						Brown silt, sand, fine to medium gravel (of shingle). Made ground. (MG)
			0.30			Red/brown silty, sandy GRAVEL (of shingle), gravels becoming cobbles with depth (SG)
1.50	ES					
			1.80			Brown gravelly CLAY. Stable sides, no water, no odour or contamination. (LC)
			2.00			Trialpit Complete at 2.00 m

Remarks:

Groundwater:

AGS

HoleBASE 3.1 (Bld 428.48) Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

Trialpit No
TP209
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501293E - 106704N	Date
NGPH Arundel	C1820	Level: -	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				
			0.10			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)
0.60	ES					White/brown weathered reworked chalk and clay/gravel (of flint). Made Ground. (MG)
			0.80			Red/brown sandy, gravelly CLAY (gravel of shingle). Stable, no water, no contamination or odour. (LC)
			2.10			Trialpit Complete at 2.10 m

Remarks:

Groundwater:

AGS

HoleBASE 3.1 (Bld 428.48) Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

Trialpit No
TP210
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501316E - 106718N Level: -	Date
NGPH Arundel	C1820		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				
						Brown subsoil and shingle. Made Ground. (MG)
			0.40			Weathered reworked chalk with large boulder size concrete at 0.6 m depth. Made Ground. (MG)
			0.70			Dark brown clay, gravel and brick. Concrete walls present and 0.5 m dia case iron pipe running N-S. Made Ground. (MG)
1.00	ES					
			1.20			Red/brown sandy, gravelly CLAY. Stable, no contamination, odour or water. (LC)
			1.80			Trialpit Complete at 1.80 m

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Remarks:

Groundwater:

AGS

HoleBASE 3.1 (Bld 428.48) Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

Trialpit No
TP211
Sheet 1 of 1

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

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						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)
			0.30			White reworked fine to coarse sub-angular to subrounded chalk gravels and cobbles. Made Ground. (MG)
			0.60			Brown silt, sand, gravel with occasional ash and brick fragments. Made Ground. (MG)
0.80	ES					
			1.00			Brown gravelly CLAY. Stable sides, no water, no odour or contamination. (LC)
			1.50			Trialpit Complete at 1.50 m

Remarks:

Groundwater:

AGS

HoleBASE 3.1 (Bld 428.48) Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

Trialpit No
TP212
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501320E - 106733N Level: -	Date
NGPH Arundel	C1820		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				
						Light brown silt, sand and gravel with much ash and brick fragements. Made Ground. (MG)
			0.40			
0.50	ES					White/brown weathered reworked chalk and brown clay/gravel (of flint). Made Ground. (MG)
			0.80			
						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)
			1.10			
						Brown gravelly clay with some ash and brick. Made Ground. (MG)
			1.50			
						Mottled brown gravelly CLAY (gravels are subrounded coarse shingle). Stable sides, no water, no contamination. (LC)
			2.00			
						Trialpit Complete at 2.00 m

Remarks:

Groundwater:

AGS

HoleBASE 3.1 (Bld 428.48) Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

Trialpit No
TP213
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501334E - 106733N Level: -	Date
NGPH Arundel	C1820		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				
			0.10			Brown subsoil and rootlets. Made Ground. (MG)
			0.60			Brown silty, sand and gravel with much cobbles/boulders of brick and occasional cobble size chrystaline tar. Made Ground. Concrete gasholder base present ot the west of the pit at 0.6 m depth. Also to the west of the pit is an access chamber and old water pipe with two valves. Gasholder base is 0.3 m thick concrete, a brick wall 0.2 m wide is present surrounding the base at 0.5 m depth with a 100 mm dia. clay pipe surrounding the gasholder. (MG)
			0.90			Concrete (MG)
1.00	ES					Brown silt, sand and gravel (SG)
			1.30			Sandy, clayey GRAVEL (shingle). Slight seepage of water at 1.7m (SG)
			1.70			Trialpit Complete at 1.70 m

Remarks:

Groundwater:

AGS

HoleBASE 3.1 IBM 428.48 Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

Trialpit No
TP214
Sheet 1 of 1

Project Name	Project No.	Co-ords: 501320E - 106743N Level: -	Date
NGPH Arundel	C1820		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				
			0.06			Tarmacadam (MG)
			0.30			Whole and half bricks and shingle within sandy clay matrix. Made Ground. (MG)
0.40	ES					Brown gravellyclay with some brick fragments. Made Ground. (MG)
			0.60			Brown/black mottled CLAY. (LC)
			1.00			Mottled brown gravelly CLAY (gravels are subrounded coarse shingle). Stable sides, no contamination, slight seepage of water at 1.2 m. (SG)
			1.20			Trialpit Complete at 1.20 m

Remarks:

Groundwater:

AGS

HoleBASE 3.1 (Bld 428.48) Standard Trialpit Log v2 (dated 27th Nov 03)

Celtic Technologies

enGlobe

Trialpit No	Sheet 1 of 1
TP215	

Project Name	Project No.	Co-ords: 501304E - 106752N Level: -	Date
NGPH Arundel	C1820		18/11/2020
Location: Ford Road, Arundel BN18 9DX		Dimensions: -	Scale 1:25
Client: National Grid Property Holdings		Depth 0.60m	Logged By SG

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
			0.06			Tarmacadam (MG)
						Whole and half bricks and shingle within sandy clay matrix. Made Ground. (MG)
			0.40			White/brown silty, sandy, coarse gravel (SG)
			0.60			Trialpit Complete at 0.60 m

Remarks:

Groundwater:

AGS

HoleBASE 3.1 (Bld 428.48) Standard Trialpit Log v2 (dated 27th Nov 03)