

The Sizewell C Project

6.14 Environmental Statement Addendum
Volume 3: Environmental Statement Addendum Appendices
Chapter 2 Main Development Site Appendix 2.13.A
Phase 2 Geo-Environmental Interpretative Report Part 10 of 25

Revision: 2.0

Applicable Regulation: Regulation 5(2)(a)

PINS Reference Number: EN010012

January 2021

Planning Act 2008
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

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EDF CGN

Sometimes Chalk can appear greyer due to a higher average content of marl which is mixed with the Chalk, but with no distinct marl horizon developed. When such Chalk is moistened with a wet sponge, the cause of the increased marl content is sometimes revealed as an increase in mud-filled burrows in the Chalk. These changes are important to note.

Where possible record:

Habit: (anastomosing / plexus; closed seam; wisps)
Thickness (mm)

Marls noted during logging of the Sizewell C3 Borehole tend to be thin and wispy rather than solid seams.

MARL IMAGES



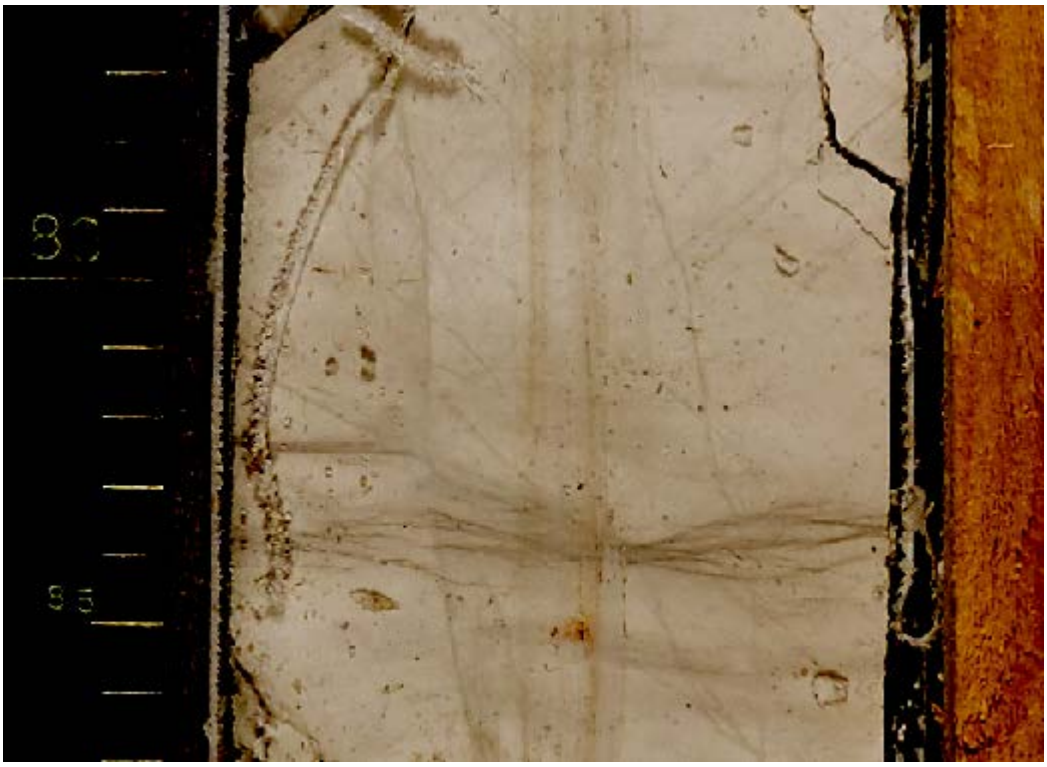
Solid marl seam (c. 5 cm thick)



Plexus marl seam, where thin stringers of marl intertwine and locally coalesce



Plexus marl in borehole core



Plexus marl in borehole core

NODULAR CHALK

Nodular chalk represents localised cementation of the chalk whilst it was being deposited. In borehole core it is typically developed as harder rounded nodules of chalk in a softer chalk or marly chalk matrix. Sometimes the nodules may appear creamy or orange-yellow. Nodular chalk may form in response to general conditions of sedimentation (e.g. lowered sea level) or reflect changes in depositional patterns in response to local features of basin structure (e.g. local areas of shallower water across structural highs). Patterns of nodularity may be valuable for local borehole correlation and reveal information about the role and influence of localised structures affecting deposition across the site.

Patchily hard, nodular chalk was noted during logging of the Sizewell C3 Borehole.

NODULAR CHALK IMAGES



Nodular chalk, showing detail of orange-yellow coloured nodules



Nodular chalk in weathered outcrop

HARDGROUNDS

Hardgrounds typically appear as thin units (0.1 – 0.2 m) of very hard chalk, often with yellow/orange iron-staining, and sometimes also glauconitic (pale green) and phosphatic (buffish-grey). The upper surface may be irregular and associated with pebbles of hard chalk, or relatively flat. True hardgrounds also show patterns of boring and encrustation by marine organisms on their upper surface, although some 'hardgrounds' in the chalk lack this feature, and appear to represent incipient developments of these features.

Hardgrounds represent phases when deposition of sediment slowed or ceased, allowing the seafloor to become cemented, and as such are highly significant because they may equate with thicker successions of sediment deposited elsewhere. Hardgrounds may be localised, and therefore reflect the influence of local structures on patterns of Chalk deposition. Hardgrounds may also be widespread, reflecting relative changes in sea level. In borehole core hardgrounds are highly significant for both local and regional scale correlation (e.g. the hardgrounds forming the Chalk Rock).

Hardground surfaces, some irregular and glauconitised, were noted during logging of the Sizewell C3 Borehole.

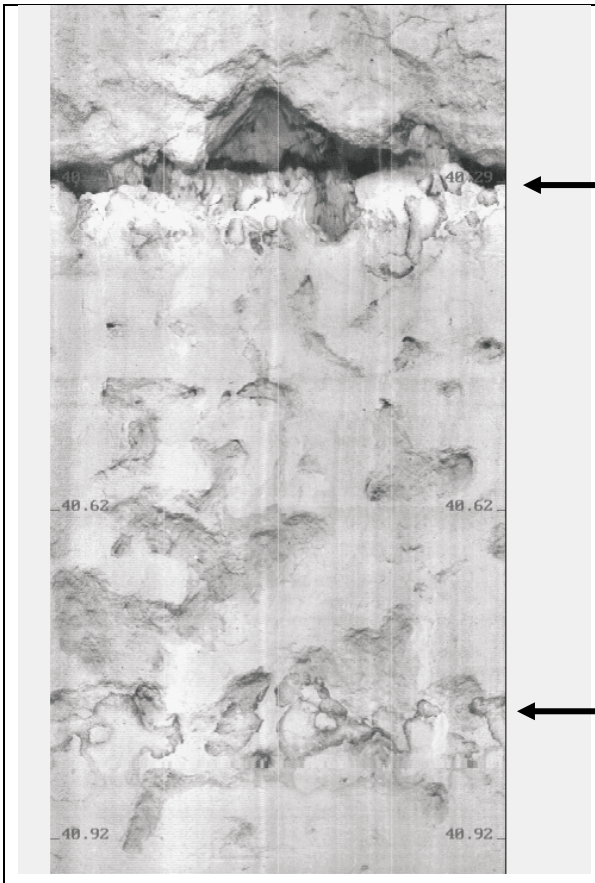
HARDGROUND IMAGES







(above) Glauconitised and iron-stained hardgrounds at outcrop



Two hardground surfaces in borehole core

SPONGE BEDS

Sponge beds appear as iron-stained units, often (but not always) associated with nodular chalk or slight hardening of the associated chalk. Close inspection (with a hand lens) reveals traces of the typical skeletal form of sponges (see below). Sponge beds are important for local correlation of borehole successions, and some (e.g. Arundel Sponge Bed) form regional marker-beds.

Sponge-rich horizons are a locally important feature noted during logging of the Sizewell C3 Borehole.

SPONGE BED IMAGES







Typical character of sponge-rich intervals in borehole core

BURROWING

Burrows made by organisms that inhabited the Chalk Sea are typically preserved as local concentrations of marl and by the habit and distribution of nodular flints. When chalk appears greyer and more mud-rich, this may be because of marl concentrated in burrow structures. Wetting the borehole core with a damp sponge or scraping the surface with a pallet knife can be useful for seeing variations in the pattern of burrows preserved as marl-rich infills. Some burrows, for example *Zoophycos* (see below) are concentrated at certain stratigraphical horizons, and may be preserved as flint or marl. Variations in the patterns of burrowing in borehole core can be significant for correlating borehole successions locally and regionally.

Burrow mottling of chalk is a common feature noted during logging of the Sizewell C3 Borehole, including *Zoophycos* burrows.

BURROW IMAGES



(above) plan-view of rounded Zoophycos burrows



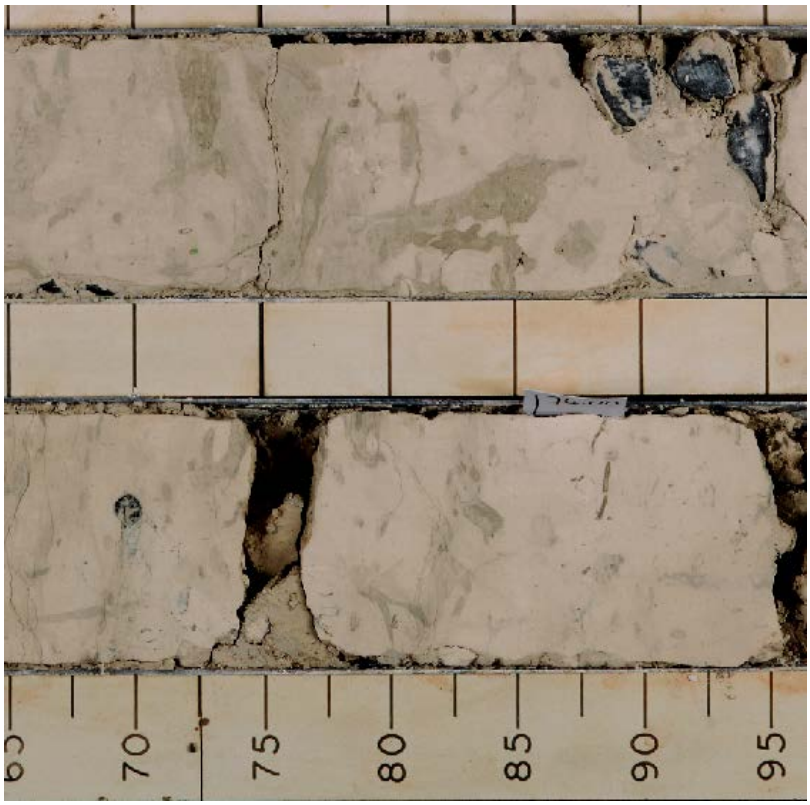
Interconnecting cylindrical burrows



Typical cross-section of *Zoophycos* burrow when preserved in marl



Typical form of *Zoophycos* burrow preserved in flint. A small tube might appear to run around the edge of the flint



Marl-filled burrows in borehole core

STRIATIONS, STYLOLITES, VEINED CHALK

Striated chalk surfaces cutting borehole core may be an important indication of tectonic movement, and may relate to the presence/influence of larger-scale geological structures at depth.

Stylolites are irregular, zig-zagging, often marl-lined surfaces that in Chalk are typically aligned sub-parallel to bedding. They represent vertical loading and local dissolution of the Chalk; dissolution that typically provides material for enhanced local cementation of the Chalk succession.

Veined chalk is a distinctive mosaic structure is thought to represent disturbance of semi-lithified chalk by tectonic events during its deposition. It may be an important indicator of the influence of local structures on patterns of chalk deposition.

STRIATIONS, STYLOLITES, VEINED CHALK IMAGES

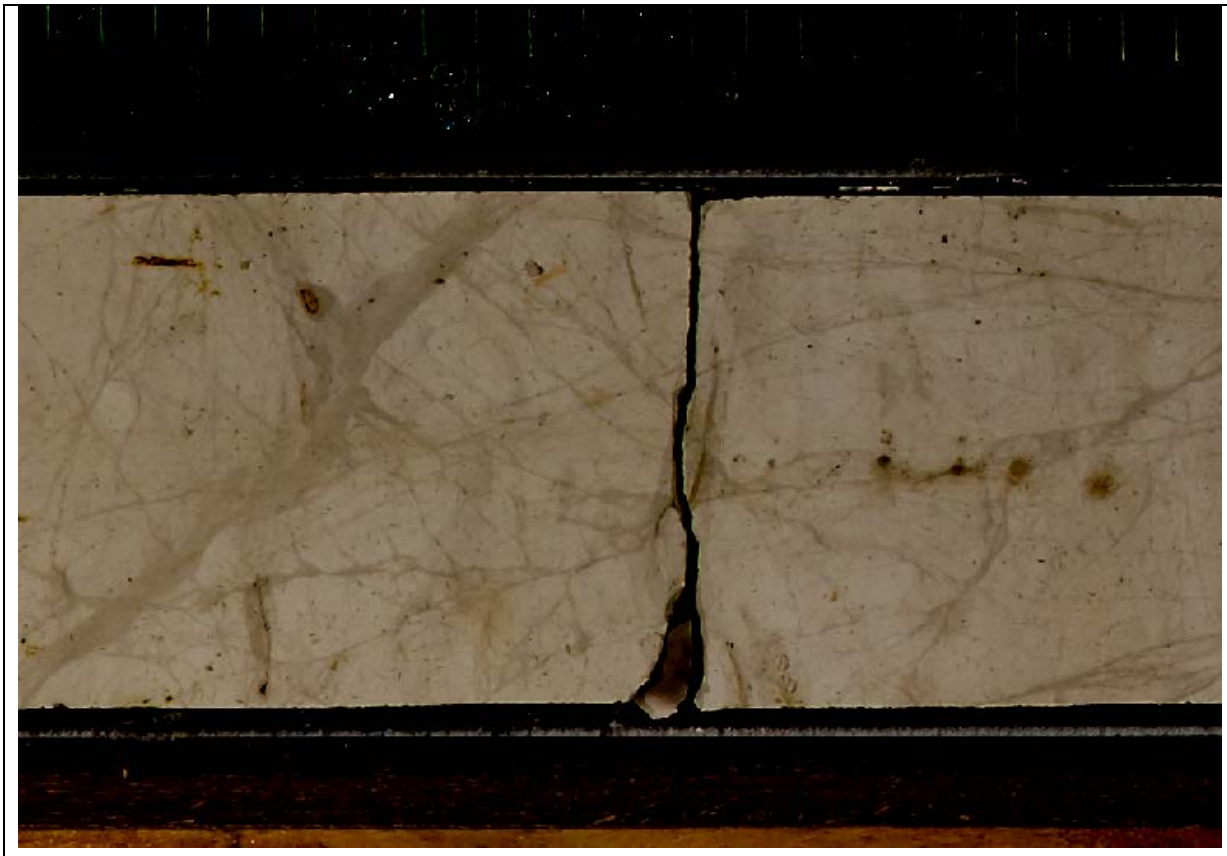


Striated surfaces in borehole core





Typical development of stylolites in borehole core



Veined chalk in borehole core

FOSSILS / SHELLS / BIOCLASTS

Macro-fossil shell material that is visible in borehole core is very valuable for establishing local and regional correlation, and for confirming the identification of Chalk units. It is extremely useful to note the occurrence of all shell beds and individual occurrences of macro-fossil material in borehole core, even if its identification is uncertain. By identifying these units it highlights the parts of successions that can be re-examined for future refinement of the geological interpretation. The fossils that are common in the Chalk of the Sizewell district are illustrated and examples are available for examination as part of the workshop.

In the Sizewell area, the criteria established for identifying Chalk units largely depend on variations in the fossil content. This is generally not typical of the Chalk, the subdivisions of which generally correspond with contrasting variation in the visible character of the Chalk. For this reason, noting Chalk fossil horizons is particularly useful for borehole core drilled in the Sizewell area.

Fossil Explorer App: https://www.nhm.ac.uk/take-part/identify-nature/fossil-explorer-app.html

This app, developed by the Natural History Museum, uses mobile phone geolocation data and BGS map data to determine the age of rocks where you are located, and provides lists of fossils that are relevant to the geology at that site based on their collection holdings.

MACROFOSSIL IMAGES (limited to types commonly found in the Chalk of the Sizewell area)
Scale bars are all 10 mm



Belemnite
(*Belemnitella*)



Sea urchin
(*Echinocorys*)



Sea urchin
(*Galeola*)



Brachiopod
(*Cretirhynchia*)

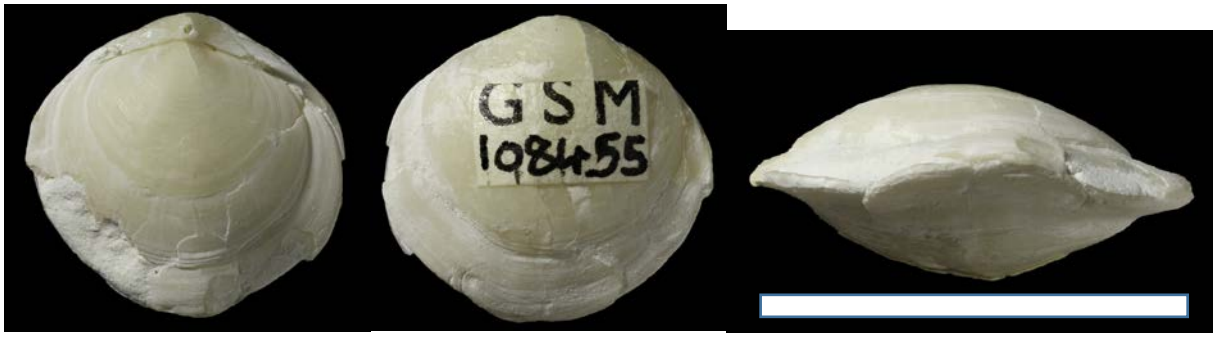


Oyster (*Hyotissa*)

Bivalve (*Pseudolimea*)



Bivalve (*Spondylus*)



Brachiopod (*Cretirhynchia*)



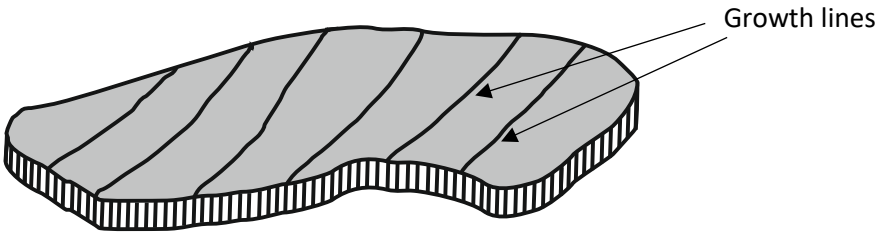
Brachiopod (*Kingena*)



Ammonite (*Baculites*)



Ammonite (*Bostrycoceras*)



Fragment of shell of inoceramid bivalve, showing distinctive prismatic shell structure in cross section. Shell fragments typically several cm across and up to 5mm thick. These bivalves were a kind of giant clam, but their shells are typically preserved as fragments

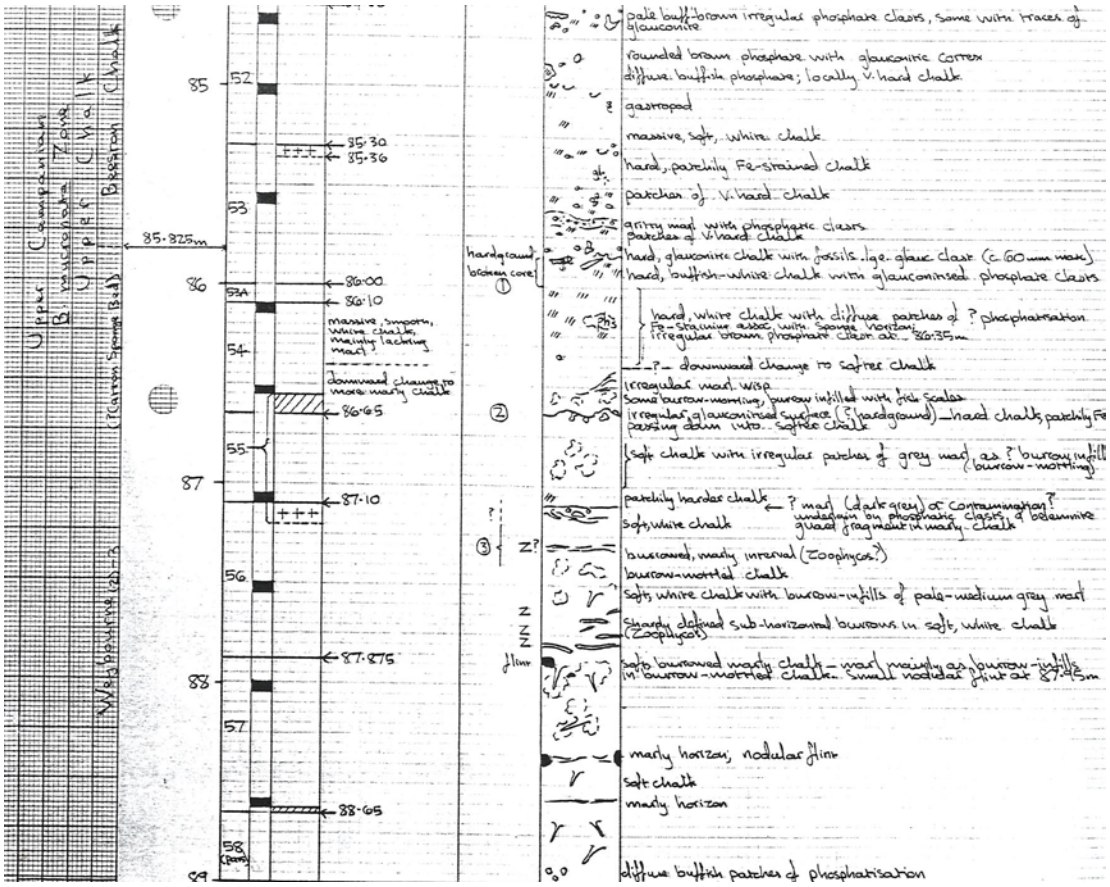
PHOSPHATIC CHALK

Phosphatic chalks have been described in recent site investigations at Stonehenge, but their development is rare and often localised to particular geological structures. Phosphatic chalks typically have a somewhat sandy appearance and buffish-brown colour, with poor cohesion. They are often associated with hardgrounds (typically at the base of phosphatic chalk units). Like hardgrounds they often equate with much thicker intervals of sediment deposited elsewhere. The geometries of phosphatic chalk units typically show rapid lateral variation even within closely spaced boreholes making prediction of ground conditions very challenging. The lack of cohesion of phosphatic chalks makes them highly significant for engineering logging.

Small isolated clasts of phosphate were noted during logging of the Sizewell C3 Borehole, associated with a unit of hardened, sponge-rich chalk, identified as the Catton Sponge Bed.

Summary of the Chalk in the Sizewell C3 Borehole

The Chalk of the Sizewell C3 Borehole is questionably inferred to represent (in ascending stratigraphical order) the Pre-Weybourne Chalk, Weybourne Chalk, Catton Sponge Bed and lower part of the Beeston Chalk. All belong to the Late Campanian *Belemnitella mucronata* Zone. These Chalk units are somewhat informal, since their recognition is to a significant extent based on changes in fossil content rather than fundamental changes in the physical character of the Chalk. The Beeston Chalk is generally characterised by its content of common inoceramid shell fragments, and the presence of ring-flints on the Norfolk coast. In the absence of strong physical contrasts in the character of the Chalk, changes in the fossil content and recognition of key marker-beds (like the Catton Sponge Bed) are likely to be crucial for understanding the lateral continuity of the geology between SI boreholes in the Sizewell area.



Extract of the Sizewell C3 Borehole stratigraphical log

The succession in the Sizewell C3 Borehole can generally be characterised as being rather poor in flint; containing many thin wispy marls, with common horizons of burrow-mottling picked out by marly chalk burrow-infills; local intervals of patchily hard, nodular chalk; common fossil-rich intervals, and the presence of up to three hardgrounds. The Catton Sponge Bed appears to have long-range correlation value, having been equated with the North Antrim Hardground in Northern

Ireland, with the Beeston Chalk equating with the Portrush Chalk immediately above the North Antrim Hardground.

Note on weathered top of Chalk in East Anglia

Where not overlain by pre-glacial deposits, the highest few metres of the Chalk in East Anglia often has a very de-structured appearance, comprising a mixture of small intact lumps of chalk in a structureless chalk matrix. This is presumed to be a consequence of freeze/thaw in glacial and periglacial conditions during the Quaternary. This feature might be variably developed where the Chalk is overlain by Palaeogene and later Crag Group deposits.

PointID	HoleDepth	East	North	Elevation
CH2019_R1	120.50	647203.840	263977.066	2.143
CH2019_R2	121.00	647210.132	263970.879	2.391
CH2019_T	120.50	647209.796	263976.949	2.138
DCBH2019_1	120.00	647220.317	263979.245	2.173
DCBH2019_2	120.30	647219.950	264208.633	1.696
DCBH2019_3	101.00	647458.096	263990.112	2.016
DCBH2019_4	103.00	647450.899	264214.181	1.85
DCBH2019_5	100.30	647335.850	264112.994	1.634
DCBH2019_6	100.45	647055.731	263971.980	3.19
DCBH2019_7	100.50	647392.049	264077.876	1.736
DCBH2019_8	98.00	647064.834	264069.809	1.522
DCPT2019_1	80.75	647230.100	263961.100	2.5
DCPT2019_1A	0.65	647235.000	263962.000	2.4
DCPT2019_1B	0.55	647235.000	263962.000	2.4
DCPT2019_1C	0.75	647235.000	263962.000	2.4
DCPT2019_2	2.80	647219.812	264223.217	1.601
DCPT2019_2A	5.50	647216.442	264224.055	1.628
DCPT2019_2A T2	16.55	647216.442	264224.055	1.628
DCPT2019_2B	17.31	647229.291	264219.885	1.597
DCPT2019_2B T2	64.11	647229.291	264219.885	1.597
DCPT2019_3	82.00	647458.255	263969.784	0.769
DCPT2019_4	83.60	647450.109	264229.107	1.846
DCPT2019_5	81.00	647342.824	264101.443	1.631
DCPT2019_6	62.36	647055.245	263948.160	2.773
DCPT2019_6 T2	80.63	647055.245	263948.160	2.773
MGS2019_A	6.00	647312.110	264273.638	1.858
MGS2019_B	7.00	647124.803	264116.217	1.687
MGS2019_B1	1.90	647123.933	264121.461	1.655
MGS2019_B2	7.00	647124.347	264125.548	1.687
MGS2019_C	4.00	647282.992	264118.030	1.477
MGS2019_D	4.70	647450.004	264069.780	1.897
MGS2019_E	6.00	647264.596	264209.628	1.637
MGS2019_E1	4.00	647258.788	264212.723	1.468
MGS2019_E2	5.50	647269.677	264207.355	1.561
MGS2019_F	4.50	647260.176	264009.889	1.553
MGS2019_H	2.50	647467.805	264207.966	2.018
MGS2019_I	2.50	647451.260	264178.574	2.03
MGS2019_J	6.00	647076.335	264113.828	1.715
MGS2019_K	7.50	647083.756	264131.118	1.666
MPM2019_1	85.00	647184.247	263940.780	2.791
MPM2019_10	85.00	647439.974	264192.058	1.955
MPM2019_11	85.00	647231.985	264094.143	1.573
MPM2019_12	85.00	647110.036	264089.992	1.705
MPM2019_13	85.00	647124.078	263929.870	3.242
MPM2019_13a	85.00	647124.078	263929.870	3.242
MPM2019_14	85.00	647475.697	263897.908	6.606
MPM2019_2	85.00	647212.040	264021.927	1.771
MPM2019_3	85.00	647297.521	263970.402	1.91
MPM2019_4	85.00	647277.513	263909.880	3.116

MPM2019_5	85.00	647427.349	263978.937	1.856
MPM2019_6	85.00	647187.745	264164.901	1.223
MPM2019_7	85.00	647221.082	264251.764	1.794
MPM2019_8	85.00	647292.923	264207.994	1.671
MPM2019_9	85.00	647229.916	264293.477	1.844
SD2019_1	87.50	647587.073	263980.154	4.152
SD2019_2	91.30	647579.939	264121.961	3.249
SD2019_3	120.50	647400.146	263979.338	2.345
SD2019_4	120.00	647400.487	264208.145	1.712
SD2019_5	100.50	647399.060	264095.262	1.677
SD2019_6	100.00	647056.068	263929.985	2.886
SD2019_7	120.00	647070.758	264085.825	1.529

STRUCTURAL SOILS LIMITED
SIZEWELL PHASE 2 GROUND INVESTIGATION TASK ORDER_01

BOREHOLE LIST

CH2019_R1
CH2019_R2
CH2019_T
DCBH2019_1
DCBH2019_2
DCBH2019_3
DCBH2019_4
DCBH2019_5
DCBH2019_6
DCBH2019_7
DCBH2019_8
DCPT_2019_1
DCPT_2019_1A
DCPT_2019_1B
DCPT_2019_1C
DCPT_2019_2
DCPT_2019_2A
DCPT_2019_2B
DCPT_2019_3
DCPT_2019_4
DCPT_2019_5
DCPT_2019_6
MGS_2019_A
MGS_2019_B
MGS_2019_B1
MGS2019_B2

STRUCTURAL SOILS LIMITED
SIZEWELL PHASE 2 GROUND INVESTIGATION TASK ORDER_01

BOREHOLE LIST

MGS2019_C
MGS_2019_D
MGS_2019_E
MGS_2019_E1
MGS_2019_E2
MGS2019_F
MGS2019_H
MGS2019_I
MGS2019_J
MGS2019_K
MPM2019_1
MPM2019_2
MPM2019_3
MPM2019_4
MPM2019_5
MPM2019_6
MPM2019_7
MPM2019_8
MPM2019_9
MPM2019_10
MPM2019_11
MPM2019_12
MPM2019_13
MPM2019_14
SD2019_1
SD2019_2

STRUCTURAL SOILS LIMITED
SIZEWELL PHASE 2 GROUND INVESTIGATION TASK ORDER_01

BOREHOLE LIST

SD2019_3
SD2019_4
SD2019_5
SD2019_6
SD2019_7

STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**1** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
0.00-0.10	1	B									MADE GROUND: Vegetation over dark brown slightly gravelly SAND with occasional rootlets. Gravel is subangular to subrounded fine to medium of sandstone. (MADE GROUND)	2.04	0.10	
0.10	2	D												
0.10-0.30	3	B										1.84	0.30	
0.30	4	D									MADE GROUND: Dark brown slightly gravelly slightly silty slightly clayey medium SAND with occasional roots and rootlets. Gravel is subangular to subrounded fine to medium of sandstone, flint and limestone. (MADE GROUND)			
0.30-0.75	5	B										1.64	0.50	
0.50	6	D									MADE GROUND: Dark slightly orangish brown slightly gravelly slightly silty fine SAND. Gravel is subangular to subrounded fine to medium of sandstone and flint. (MADE GROUND)		(0.40)	
0.75-0.90	7	B												
0.80	8	D										1.24	0.90	
0.90-2.00				91	0	0					MADE GROUND: Dark slightly orangish brown slightly gravelly slightly clayey fine SAND with occasional shell fragments. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	1	(0.72)	
											MADE GROUND: Orangish brown slightly gravelly fine to medium SAND. Gravel is subrounded to subangular fine to coarse flint and concrete and rubber. (MADE GROUND) . . . 1.51-1.54m: black rubber sheeting 3mm thick	0.52	1.62	
2.00-3.50				100	0	0					MADE GROUND: Orangish brown slightly gravelly fine to medium SAND with occasional coarse sand sized comminuted shells. Gravel is subrounded to subangular fine to coarse flint and concrete and rubber. (MADE GROUND) . . . 1.77m: flaser of brown clay up to 3mm. . . . 1.90-2.00m: Assumed zone of core loss . . . 2.23m: black rubber sheeting 3mm thick.	0	(1.88)	
3.50-5.00				100	0	0					MADE GROUND: Dark orangish brown mottled black slightly gravelly fine to medium SAND with occasional organic matter. Gravel is subrounded to subangular fine to coarse flint and concrete quartzite and clinker. (MADE GROUND) . . . 3.51-3.52m: slightly clayey. . . . 3.51-3.52m: flaser of brown clay up to 5mm. . . . 4.20-4.21m: roolet 47 x 6mm.	-1.36	3.50	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
14/10/19		0.00	None	N/R	-
14/10/19		0.00	None	229	-
14/10/19		5.00	5.00	229	-
14/10/19		5.00	5.00	229	-
15/10/19		5.00	5.00	229	-
15/10/19		5.00	5.00	229	-
15/10/19		24.50	24.50	229	-
16/10/19		24.50	24.50	229	-

General Remarks

1. Services plan was consulted.
2. Hand dug inspection pit to 0.90m depth.
3. Inspection pit remained dry throughout excavation.
4. Concrete obstruction encountered at 0.90m depth. Instructed by client to proceed with drilling from 0.90m depth.
5. No water strike.
6. Drilling commenced with sonic drilling technique to the bottom of the hole.

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Chec By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 08:38 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**2** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
											. . . 4.54-4.58m occasional comminuted shell fragments. . . . 4.65-4.66m frequent comminuted shell fragments. . . . 4.76-4.77m frequent comminuted shell fragments. . . . 4.84-4.86m: flaser of brown clay up to 20mm.		(2.25)	
5.00-6.50				100	0	0					. . . 5.32-5.34m: flaser of brown clay up to 10mm. . . . 5.54-5.75m: clayey.	-3	5	
											Spongy black pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT) . . . 5.83-5.87m: thin bed of grey micaceous silt.	-3.61 -3.79	5.75 5.93	
											Soft dark grey CLAY with frequent pockets of pseudo-fibrous peat (up to 6 x 50mm). (SUPERFICIAL DEPOSITS - CLAY) . . . 5.94-5.98m: thin bed of orangish brown fine to medium sand. . . . 6.01-6.05m: subrounded coarse gravel of flint. . . . 6.19-6.20m: thick laminae of fibrous peat.	-4	6 (1.09)	
6.50-8.00				100	0	0						-4.88	7.02	
											Spongy to firm dark brown mottled black spongy pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT) . . . 7.16-7.25m: thin bed of very soft dark grey clay. . . . 7.36-7.45m: thin bed of very soft dark grey clay.	-5	(0.56)	
											Soft dark grey CLAY with occasional pockets of pseudo-fibrous peat (up to 3 x 45mm). (SUPERFICIAL DEPOSITS - CLAY) . . . 7.67-7.68m: shell fragments	-5.44 -5.67	7.58 7.81	
8.00-9.50				100	0	0					Spongy dark brown mottled black pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT) . . . 8.00-8.90m: disturbed by drilling. Possible backfill.	-6	8	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
16/10/19		41.00	41.00	229	-
17/10/19		41.00	41.00	229	1.60
17/10/19		54.50	54.50	229	2.00
21/10/19		54.50	54.50	229	-
22/10/19		57.50	54.50	229	0.00
22/10/19		66.50	66.50	229	2.10
23/10/19		66.50	66.50	229	3.10
23/10/19		74.00	74.00	229	0.00

General Remarks

7. 100mm ID installed to the bottom of the borehole.
8. No flush return recorded by the driller.

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Che By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**3** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				100	0	0						-7	(2.25) 9	
9.50-11.00											. . . 9.50-9.71m: disturbed by drilling. . . . 9.71-9.72m: subrounded medium gravel of flint.	-7.92	10 10.06	
				93	0	0					Firm black amorphous PEAT. (SUPERFICIAL DEPOSITS - PEAT)	-8	(0.33)	
											Greyish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) . . . 10.44-10.48m: rounded coarse gravel of flint. . . . 10..58-10.62m: rounded medium gravel of flint. . . . 10.75-10.84m: thin bed of subangular to subrounded fine to medium gravel of flint. . . . 10.92m-11.00m: Assumed zone of core loss.	-8.25	10.39	
11.00-12.50												-8.86	(0.61) 11.00	
				100	0	0					Dark greyish brown fine to medium SAND with frequent coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-9	(0.35)	
											Greyish brown fine to medium SAND with numerous coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) . . . 11.46-11.50m: very thin bed of abundant comminuted shells.	-9.21	11.35	
12.50-14.00												-9.87	(0.66) 12.01	
				100	0	0					Greyish brown fine to medium SAND with frequent coarse sand to fine gravel sized comminuted shells. (Oxidises to brown). (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) . . . 12.27m: thin laminae of abundant comminuted shells. . . . 12.31-12.33m: thick laminae of brown clay. . . . 12.43m: thin laminae of abundant comminuted shells. . . . 12.68-12.73m: very thin bed of abundant comminuted shells. . . . 13.09-13.16m: thin bed of abundant comminuted shells. . . . 13.22m: thin laminae of brown clay *Description on next sheet*	-10	(1.23) 13	
												-11 -11.10	13.24	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
25/10/19		81.50	74.00	229	-
25/10/19		92.00	92.00	229	-
26/10/19		92.00	92.00	229	-
26/10/19		101.00	101.00	229	-
27/10/19		101.00	101.00	229	-
27/10/19		108.50	108.50	229	-
28/10/19		108.50	108.50	229	-
28/10/19		117.50	117.50	229	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**4** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				100	0	0					Light brown fine to medium SAND with occasional coarse sand to fine gravel sized comminuted shells. (Oxidises to orangish brown). (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) . . . 13.24-13.32m: mottled reddish brown, . . . 13.25m: flaser of brown clay 30 x 5mm. . . . 13.27m: flaser of brown clay 25 x 5mm. . . . 13.39-13.43m: very thin bed of grey clay.		(0.76)	
												-11.86	14.00	
14.00-15.50				100	0	0					Grey fine to medium SAND with rare coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) . . . 14.00m: end of oxidation. . . . 14.52-14.53m: thick laminae of grey clay. . . . 14.71m: flaser of grey clay 15 x 4mm. . . . 14.75-14.86m: thin bed of fine to coarse sand with occasional coarse sand to fine gravel sized comminuted shells.	-12	(1.08)	
												-12.94	15.08	
											Grey fine to medium SAND with rare coarse sand to fine gravel sized comminuted shells and extremely closely to closely spaced thin laminae to very thinly bedded grey clay. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) . . . 15.08-15.12m: very thin bed of grey clay. . . . 15.15-15.17m: thick laminae of grey clay. . . . 15.18m: thin laminae of grey clay.	-13		
												-13.11	15.25	
											Firm extremely closely to closely spaced thin laminae of grey CLAY. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))			
												-13.36	15.50	
15.50-17.00				100	0	0					Grey fine to medium SAND with rare coarse sand to fine gravel sized comminuted shells and extremely closely to closely spaced thin laminae to very thinly bedded grey clay. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) . . . 15.66-15.73m: extremely closely spaced thin laminae to very thin beds of clay interbedded with partings of dark grey fine to medium sand . . . 15.94-16.14m: extremely closely spaced thin laminae of clay interbedded with partings of dark grey fine to medium sand.	-14	(1.30)	
												-14.66	16.80	
											Grey fine to coarse SAND with numerous coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-14.86	17.00	
17.00-18.50				100	0	0					Brownish grey fine to coarse SAND with frequent coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-15	(0.98)	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
29/10/19		117.50	117.50	229	-
29/10/19		120.50	117.50	229	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**5** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
												-15.84	17.98	
				100	0	0					Brownish grey fine to coarse SAND with numerous coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-16	18	
18.50-20.00				100	0	0						-17	19 (2.83)	
20.00-21.50				100	0	0					. . . 19.95-20.00m: cemented.	-18	20	
												-18.67	20.81	
											Brownish grey fine to medium SAND. (RED CRAG FORMATION (UNDIFFERENTIATED))	-19	21	
21.50-23.00				100	0	0						-20	22	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**6** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
23.00-24.50				100	0	0						-21	23	
				100	0	0							24	
24.50-26.00											. . . 24.43-24.50m: cemented. . . . 24.79-24.82m: medium strong light brown subangular medium gravel of mudstone. . . . 24.97-25.02m: full gastropod 64 x 49m.	-22	(6.98)	
				100	0	0					. . . 25.24m: subrounded medium gravel of flint.	-23	25	
26.00-27.50												-24	26	
				87	0	0								

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
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Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
											. . . 27.07-27.31m: cemented . . . 27.31-27.50m:Assume zone of core loss.	-25	27	
27.50-29.00				87	0	0						-25.65	27.79	
											Brownish grey slightly gravelly fine to coarse SAND with abundant coarse sand to fine gravel sized comminuted shells. Gravel is medium strong light brown subangular medium to coarse mudstone. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 27.79-27.81m gravel of medium strong mudstone light brown subangular medium. . . . 27.83-27.86m gravel of medium strong mudstone light brown subangular medium. . . . 28.20-28.24m gravel of medium strong mudstone light brown subangular medium.	-26	28	
				100	0	0						-27	29	
29.00-30.50											. . . 29.35-29.37m: thick laminae of greyish brown clay.		(3.73)	
				100	0	0						-28	30	
											. . . 30.28m: thin laminae of medium strong light brown mudstone. . . . 30.32-30.35m medium strong light brown subangular medium to coarse gravel of mudstone.			
30.50-32.00											. . . 30.65m: thin laminae of greyish brown clay. . . . 30.68m: thin laminae of greyish brown clay.			
				100	0	0						-29	31	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19** End: **30.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.14**	**E:647203.8 N:263977.1**	**8** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
											. . . 31.49m weak light brown subangular medium gravel of mudstone.	-29.38	31.52	
32.00-33.50				100	0	0					Brownish grey fine to coarse SAND with frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 31.75-31.76m: flaser of greyish brown clay 40 x 6mm. . . . 31.82-31.85m: subangular medium to coarse gravel of very weak light brown mudstone. . . . 32.03-32.05m: flaser of greyish brown clay 60 x 14mm.	-30	32	
33.50-35.00				100	0	0						-31	33	
				100	0	0						-32	(4.98) 34	
35.00-36.50				93	0	0						-33	35	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19** End: **30.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.14**	**E:647203.8 N:263977.1**	**9** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				93	0	0					. . . 32.12-36.14m: full gastropod 25 x 14mm.. . . . 36.40-36.50m: Assumed zone of core loss.	-34 -34.36	36 36.50	
36.50-38.00				83	0	0					Brownish grey fine to coarse SAND with numerous coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 36.50-36.54m:subangular coarse gravel of strong light brown mudstone.	-35 -35.61	37 (1.25) 37.75	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-35.86	38.00	AZCL
38.00-39.50				83	0	0					Brownish grey fine to coarse SAND with numerous coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 38.26-38.27m: subangular coarse gravel of medium strong light brown mudstone. . . . 38.35-38.37m: thick laminae of abundant shells. . . . 38.67m: full gastropod 61 x 42mm.. . . . 38.72-38.75m: full gastropod 35 x 20mm..	-36 -37 -37.11	38 (1.25) 39 39.25	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-37.36	39.50	AZCL
39.50-41.00				88	0	0					Brownish grey fine to coarse SAND with numerous coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 40.17-40.18m: full gastropod 20 x 16 mm..	-38	40	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**10** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
41.00-42.50				88	0	0					. . . 40.82-41.00m: Assumed zone of core loss.	-39	(2.63) 41	
				93	0	0					. . . 42.05-42.06m: thick laminae of grey clay.	-39.99	42 42.13	
42.50-44.00				100	0	0					Brownish grey fine to coarse SAND with frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 42.40-42.50m: Assumed zone of core loss.	-40 -41	(1.53) 43	
											. . . 43.44m: thin laminae of grey clay.	-41.52	43.66	
44.00-45.50				100	0	0					Brownish grey fine to coarse SAND with numerous coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-42	44 (0.97)	
											Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown micaceous glauconitic silty CLAY with medium spaced thick laminae to thin beds of stiff to very stiff volcaniclastic silt or very weak	-42.49	44.63	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**11** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				100	0	0					volcaniclastic siltstone. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER)	-43	45	
45.50-47.00				100	0	0					. . . 45.48-45.50m: very stiff dark grey volcaniclastic silt. . . . 45.55-45.62m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt.	-44	46 (3.15)	
											. . . 46.23-46.24m: very stiff dark grey volcaniclastic silt. . . . 46.23-46.24m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt. . . . 46.37-46.41m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt. . . . 46.58-46.64m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt. . . . 46.89-46.93m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt. . . . 47.00-47.15m: disturbed by drilling.	-45	47	
47.00-48.50				87	0	0						-45.64	47.78	
											Very strong dark grey argillaceous LIMESTONE, recovered as subangular fine to coarse gravel. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)	-45.94	(0.30) 48.08	
											Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown micaceous glauconitic silty CLAY with medium spaced thick laminae to thin beds of stiff to very stiff volcaniclastic silt or very weak volcaniclastic siltstone. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) . . . 48.08-48.15m: subangular fine to coarse gravel of weak greyish brown calcareous claystone. . . . 48.15-48.30m: subangular fine to coarse gravel of medium strong grey argillaceous limestone.	-46		
												-46.16	48.30	
48.50-50.00				100	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-46.36	48.50	AZCL
											Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown micaceous glauconitic silty CLAY with medium spaced thick laminae to thin beds of stiff to very stiff volcaniclastic silt or very weak volcaniclastic siltstone. Fissures are randomly orientated planar smooth polished or matt.	-47	49	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**12** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
50.00-51.50				100	0	0					(HARWICH FORMATION, WRABNESS MEMBER) . . . 48.72-48.73m: stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt. . . . 48.83-48.88m: stiff dark grey volcaniclastic silt with bioturbated bottom contact up to 1mm. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt. . . . 49.16-49.19m: lignitic debris. . . . 49.23-49.27m: very weak dark grey volcaniclastic siltstone. . . . 49.74-49.78m very weak dark grey bioturbated volcaniclastic siltstone. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt. . . . 50.03-51.50m: relatively less silty. . . . 50.36-50.40m stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt. . . . 50.55-50.57m stiff dark grey volcaniclastic silt. . . . 50.66-50.69m: stiff dark grey volcaniclastic silt . . . 50.71-50.74m stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 4mm infilled with grey silt. . . . 50.92-50.99m: stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt.	-48 -49	(3.05) 51	
				100	0	0								
51.50-53.00				100	0	0						-49.41	51.55	
											Very strong dark grey argillaceous LIMESTONE, recovered as subangular fine to coarse gravel. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)	-49.58	51.72	
											Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown bioturbated micaceous silty CLAY with medium spaced partings of sand and widely spaced very thin beds of stiff volcaniclastic silt. Sand is fine. Fissures are randomly orientated planar smooth polished or matt. Burrows are subhorizontal up to 7 x 32mm infilled with dark grey and light grey silt. (HARWICH FORMATION, ORWELL MEMBER) . . . 52.49-52.52m: stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt. . . . 52.56-52.62m: stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 2 x 4mm infilled with grey silt. . . . 52.77-52.83m stiff dark grey volcaniclastic silt . . . 52.95-52.96m: thick laminae of greyish brown silty fine sand.	-50 -51	52 (2.20) 53	
53.00-54.50				100	0	0								
											. . . 53.47m: parting of grey silt. . . . 53.72m: parting of grey silt.			

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19** End: **30.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.14**	**E:647203.8 N:263977.1**	**13** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
											. . . 53.87m: parting of grey silt.	51.78	53.92	
				100	0	0					Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown slightly bioturbated glauconitic micaceous CLAY and widely spaced very thin beds of volcaniclastic silt. Fissures are randomly orientated planar smooth polished or matt. Burrows are randomly orientated up to 2 x 28mm infilled with grey silt. (HARWICH FORMATION, ORWELL MEMBER)	-52	54	
54.50-56.00											. . . 55.44m: parting of grey silt. . . . 54.59m: parting of grey silt. . . . 54.69-54.74m: stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 2 x 9mm infilled with grey silt. . . . 54.70m: tabular pyrite 40 x 7mm. . . . 54.74m: thin laminae of light greyish brown silty fine sand. . . . 54.86m: parting of grey silt. . . . 54.93m: parting of grey silt.	-53	55 (2.74)	
				100	0	0					. . . 55.38-55.40m: stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 7 x 1mm infilled with grey silt. . . . 55.58-55.61m: shell fragments.			
56.00-57.50											. . . 56.03m: pyrite. . . . 56.05m: parting of grey silt. . . . 56.09m: parting of grey silt. . . . 56.16m: parting of grey silt.	-54	56	
												-54.52	56.66	
				100	0	0					Stiff dark greyish brown slightly sandy glauconitic micaceous SILT. Sand is fine to medium. (HARWICH FORMATION, ORWELL MEMBER)		57	
											. . . 57.24m: thick laminae of black silty sand.	-55	(1.01)	
57.50-59.00											. . . 57.50-57.67m: disturbed by drilling.			
												-55.53	57.67	
				87	0	0					Greyish brown gravelly fine to medium SAND. Gravel is very strong black subrounded fine to coarse flint and extremely strong subangular coarse gravel of limestone. (HARWICH FORMATION, IPSWICH MEMBER)		(0.34)	
												-55.87	58.01	
											Greyish brown silty calcareous micaceous fine to medium SAND. (READING FORMATION)	-56		
													(0.79)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19** End: **30.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.14**	**E:647203.8 N:263977.1**	**14** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				87	0	0						-56.66	58.80	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-56.86	59.00	AZCL
59.00-60.50				87	0	0					Greyish brown silty calcareous micaceous fine to medium SAND. (READING FORMATION)	-57	(1.30)	
												-58		
												-58.16	60.30	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-58.36	60.50	AZCL
60.50-62.00				100	0	0					Greyish brown silty calcareous micaceous fine to medium SAND. (READING FORMATION) . . . 60.75m: flaser of brown clay 7 x 3mm. . . . 61.48m: flaser of brown clay 17 x 5mm. . . . 61.58m: flaser of brown clay 7 x 58mm.	-59	(1.70)	
62.00-63.50				73	0	0						-60.06	62.20	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-60.47	(0.41) 62.61	AZCL
											Stiff greyish brown mottled orangish brown calcareous silty CLAY with occasional lenses of calcrete up to 5 x 11mm. (READING FORMATION)			

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**15** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				73	0	0						-61	(0.89) 63	
63.50-65.00				100	0	0					Greyish brown fine to medium SAND. (READING FORMATION) . . . 64.82-64.98m: thin bed of brownish grey clayey sand.	-61.36 -62 -62.86	63.50 64 (1.50) 65.00	
65.00-66.50				83	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS) Greyish brown fine to medium SAND. (READING FORMATION) . . . 65.25.-65.74m: disturbed by drilling. Very stiff extremely closely fissured thinly laminated brownish grey CLAY, with extremely closely to closely spaced partings of light grey calcareous silt. Fissures are randomly orientated planar rough, matt, smooth, striated or polished. (READING FORMATION)	-63 -63.11 -63.60 -64 -64.11	65 65.25 (0.49) 65.74 (0.51) 66 66.25	AZCL
66.50-68.00				100	0	0					Firm brownish grey CLAY with occasional lenses of light grey calcareous silt and occasional subangular to subrounded fine to medium gravel of light greyish brown calcareous claystones. (READING FORMATION) . . . 66.39-66.43m: shear: 45° planar rough striated. . . . 66.50-66.52m: lignitic debris. Very stiff dark brownish grey mottled black silty CLAY with frequent subangular medium strong light brown claystone. (READING FORMATION) Very stiff dark brownish grey mottled black silty CLAY. (READING FORMATION)	(0.33) -64.44 -64.69 -65	66.58 66.83 67	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19** End: **30.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.14**	**E:647203.8 N:263977.1**	**16** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				100	0	0							(1.17)	
												-65.86	68.00	
68.00-69.50				100	0	0					Stiff light bluish grey mottled orangish brown and red (ferricrete) micaceous SILT. (READING FORMATION)	-66	(1.50)	
												-67	69	
												-67.36	69.50	
69.50-71.00				100	0	0					Firm light bluish grey mottled orangish brown slightly sandy bioturbated micaceous SILT with frequent lens of fine to medium light grey sand up to 21 x 60mm. Burrows are subhorizontal and subvertical up to 39 x 7mm infilled with light grey sandy silt. Sand is fine to medium. (UPNOR FORMATION)	-68	(1.50)	
												-68.86	71.00	
71.00-72.50				100	0	0					Very stiff very closely to closely fissured thinly laminated dark grey bioturbated micaceous CLAY. Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are randomly orientated up to 2 x 23mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)	-69		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**17** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
72.50-74.00				100	0	0						-70	(3.16)	
				100	0	0						-71		
74.00-75.50				100	0	0						-72.92	74.16	
											Very stiff very closely to closely fissured locally thinly laminated dark grey locally spotted green bioturbated glauconitic micaceous silty CLAY. Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are subhorizontal up to 1 x 11mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)			
75.50-77.00				100	0	0						-73	(3.51)	
												-74		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
77.00-78.50				100	0	0						-75	77	
												-75.53	77.67	
				100	0	0					Very stiff very closely to closely fissured locally thinly laminated dark grey spotted dark green bioturbated slightly calcareous glauconitic micaceous silty CLAY (relatively more silty than unit above). Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are randomly orientated up to 2 x 7mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)	-76	78	
78.50-80.00													(1.62)	
				70	0	0						-77	79	
												-77.15	79.29	
											Very stiff very closely to closely fissured locally thinly laminated dark reddish brown bioturbated glauconitic micaceous silty CLAY. Fissures are randomly orientated planar smooth polished or matt. Burrows are subhorizontal up to 5 x 11 mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)	-77.41	79.55	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		(0.45)	AZCL
												-77.86	80.00	
80.00-81.50											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-78		
				55	0	0							(0.65)	AZCL
												-78.51	80.65	
											Stiff dark green gravelly glauconitic CLAY with a low cobble content Gravel is subangular fine to coarse flint. Cobble is subangular flint.			

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				55	0	0					(LISTA FORMATION, ORMESBY CLAY MEMBER, OC1) . . . 80.80-81.18m: relatively less silty. . . . 81.13-81.18m: very glauconitic.	-79	81 (0.99)	
81.50-83.00											. . . 81.42-81.50m: cobble of subangular flint. . . . 81.50-81.63m: dark brown glauconitic CLAY.	-79.50	81.64	
				100	0	0					Recovered as structureless CHALK composed of white slightly gravelly sandy SILT. Clasts are subangular to subrounded very weak medium density white with rare black specks. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade Dm) . . . 81.64-81.65m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. . . . 81.79-81.80m: green glauconite staining.	-80	82	
83.00-84.50				100	0	0					. . . 83.67-83.98m: occasional phosphatic fragments	-81	83 (2.86)	
											. . . 84.41-84.50m: frequent phosphatic fragments.	-82	84	
84.50-86.00				100	0	0					Recovered as structureless CHALK HARDGROUND composed of white slightly gravelly sandy SILT. Clasts are subangular to subrounded very weak to medium strong medium to very high density white with rare black specks and occasional green glauconitic staining. Hardground may be disturbed by drilling. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade Dm)	-82.36	84.50 85 (1.15)	
												-83		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**20** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
												-83.51	85.65	
				100	0	0					Recovered as structureless CHALK composed of white slightly gravelly sandy SILT. Clasts are subangular to subrounded very weak medium density white with rare black specks. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade Dm)			
86.00-87.50											. . . 85.67-85.69m: subrounded fine gravel sized phosphatic fragment.	-84	86	
				100	0	0						-85	87	
87.50-89.00											. . . 87.50-87.58m: flint band. Medium fragment of nodular flint with a thin cortex.	-86	88	
				100	0	0								
89.00-90.50											. . . 88.97-89.00: flint band. Fine gravel size fragments of nodular flint. . . . 89.11-89.17m: flint band. Medium fragment of nodular flint with a thin cortex.	-87	89	
				100	0	0					. . . 89.81-89.82m: black-stained sponge bed.			

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**21** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				100	0	0					. . . 90.01m: green glauconite staining.	-88	90	
90.50-92.00				100	0	0					. . . 90.50-90.55m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. . . . 90.66-90.69m: flint band. Fine gravel size fragment of nodular flint with a thin cortex..	-89	91	
92.00-93.50				100	0	0					. . . 91.16-91.18m: flint band. Fine gravel size fragments of nodular flint. . . . 91.97-91.99m: black-stained sponge bed. . . . 92.08-92.10m: green glauconite staining.	-90	92	
93.50-95.00				100	0	0					. . . 92.79-92.82m: flint band. Fine gravel size fragment of nodular flint with a thin cortex.. . . . 93.00-93.07m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes . . . 93.13-93.18m: flint band. Fine gravel size fragments of nodular flint. . . . 93.42-93.50m: flint band. Medium fragment of nodular flint with a thin cortex.	-91	93	
				100	0	0						-92	94	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				100	0	0					. . . 94.77m: black-stained sponge bed.			
95.00-96.50											. . . 95.02-95.20m: flint band. Fine gravel size fragments of nodular flint.	-93	95	
				100	0	0								
												-94	96	
											. . . 96.28-96.29m: black-stained sponge bed.			
96.50-98.00											. . . 96.47-96.50m: flint band. Fine gravel size fragment of nodular flint with a thin cortex.			
											. . . 96.65-96.67m: black-stained sponge bed.		(22.25)	
											. . . 96.74-96.79m: flint band. Medium fragment of nodular flint with a thin cortex.			
											. . . 97.00-97.01m: black-stained sponge bed.		97	
				100	0	0					. . . 97.17-97.23m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes.	-95		
98.00-99.50											. . . 97.96-98.00m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes.	-96	98	
				100	0	0								

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Chec By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**23** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
99.50-101.00				100	0	0					. . . 99.42-99.50m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes.	-97	99	
											. . . 99.99-100.02m: black-stained sponge bed.	-98	100	
				100	0	0					. . . 100.24-100.29m: black-stained sponge bed. . . . 100.38-100.39m: black-stained sponge bed. . . . 100.45-100.46m: black-stained sponge bed.			
101.00-102.50											. . . 100.00-101.05m: black-stained sponge bed.	-99	101	
											. . . 101.19-101.21m: black-stained sponge bed.			
				100	0	0						-100	102	
102.50-104.00														
				100	0	0					. . . 103.06-102.12m: flint band. Medium fragment of nodular flint with a thin cortex.	-101	103	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**24** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				100	0	0					. . . 103.33-103.36m: black-stained sponge bed. . . . 103.41-103.51m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes. . . . 103.54-103.56m: black-stained sponge bed. . . . 103.67-103.70m: flint band. Fine gravel size fragment of nodular flint with a thin cortex.			
104.00-105.50				100	0	0					. . . 104.00-104.12m: flint band. Fine gravel size fragments of nodular flint.	-102	104	
											. . . 104.94-104.96m: black-stained sponge bed.	-103	105	
105.50-107.00				100	0	0					. . . 105.82-106.00m: frequent fragment of flint. Possible flint band.	-104	106	
107.00-108.50				40	0	0						-105	107	
												-105.76	107.90	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**25** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				40	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-106	108 (0.60)	AZCL
108.50-110.00				80	0	0					Recovered as structureless CHALK composed of white slightly gravelly sandy SILT. Clasts are subangular to subrounded very weak medium density white with rare black specks. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade Dm) . . . 109.61-109.70m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes.	-106.36 -107 -107.56	108.50 109 (1.20) 109.70	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-107.86	(0.30) 110.00	AZCL
110.00-111.50				100	0	0					Recovered as structureless CHALK composed of white slightly gravelly sandy SILT. Clasts are subangular to subrounded very weak medium density white with rare black specks. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade Dm) . . . 110.00-110.12m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes. . . . 110.19-110.24m: black-stained sponge bed. . . . 110.24-110.32m: flint band. Medium fragment of nodular flint with a thin cortex. . . . 110.37-110.40m: black-stained sponge bed. . . . 110.53-110.54m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.	-108 -109	110 111	
111.50-113.00				100	0	0					. . . 111.31-111.34m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. . . . 111.50-111.55m: flint band. Fine gravel size fragments of nodular flint.	-110	112	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19** End: **30.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.14**	**E:647203.8 N:263977.1**	**26** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
113.00-114.50				100	0	0					. . . 112.83-112.91m: black-stained sponge bed.	-111	113	
				100	0	0						-112	114	
114.50-116.00				100	0	0					. . . 114.30-114.38m: black-stained sponge bed. . . . 114.43-114.44m: flint band. Fine gravel size fragment of nodular flint.with a thin cortex. . . . 114.50-114.66m: flint band. Fine gravel size fragments of nodular flint.with a thin cortexes. . . . 114.92-114.93m: black-stained sponge bed.	-113	115 (10.50)	
116.00-117.50				100	0	0					. . . 115.65-115.77m: flint band. Large fragment of nodular flint with a thin cortex.	-114	116	
				100	0	0					. . . 116.31-116.45m: black-stained sponge bed.			

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R1**

Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**27** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
117.50-119.00				100	0	0						-115	117	
				100	0	0						-116	118	
119.00-120.50				100	0	0					. . . 119.57-119.61m: black-stained sponge bed.	-117	119	
											. . . 120.16-120.29m: flint band. Fine to large gravel size fragments of nodular flint with thin cortexes.	-118	120	
											Borehole completed at 120.50m.	-118.36	120.50	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Chec By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**ADenham + HJones**	[redacted]

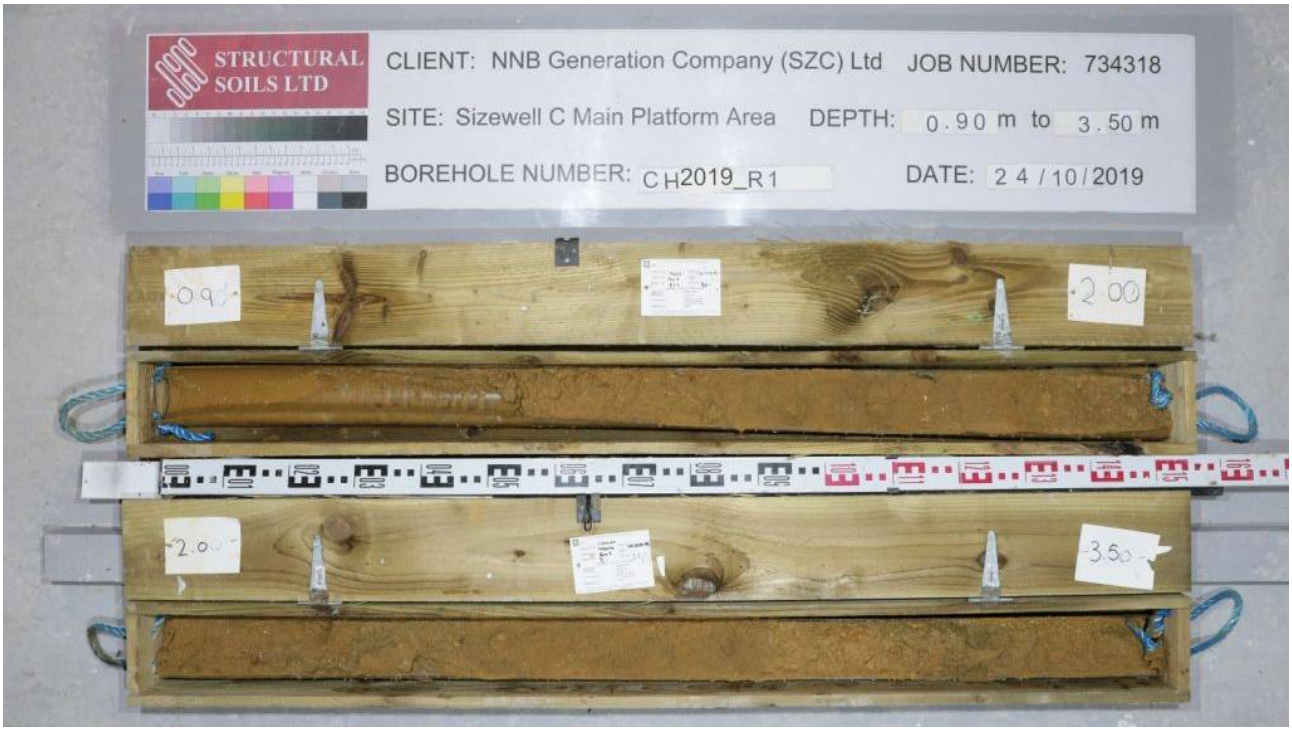
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 0.90m - 3.50m depth.





CH2019_R1: 3.50m - 6.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**29** of **47**

CH2019_R1: 6.50m - 9.50m depth.





CH2019_R1: 9.50m - 12.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Chec By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**30** of **47**

CH2019_R1: 12.50m - 15.50m depth.





CH2019_R1 15.50m - 18.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Chec By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 18.50m - 21.50m depth.





CH2019_R1 21.50m - 24.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Ch By: [redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 24.50m - 27.50m depth.





CH2019_R1 27.50m - 30.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Chec By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 30.50m - 33.50m depth.





CH2019_R1 33.50m - 36.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Ch By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 36.50m - 39.50m depth.





CH2019_R1 39.50m - 42.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Chec By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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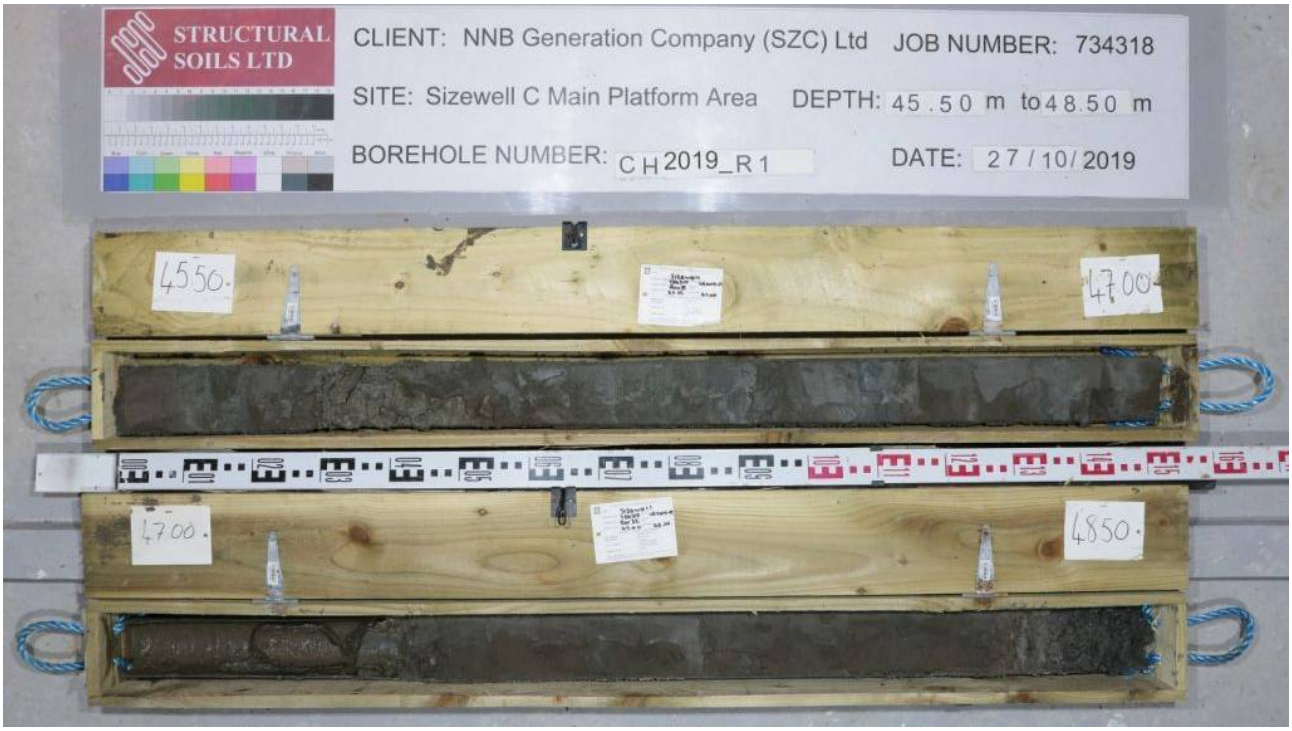
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 42.50m - 45.50m depth.





CH2019_R1 45.50m - 48.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	C B

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 48.50m - 51.50m depth.





CH2019_R1 51.50m - 54.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Check By:	[redacted]

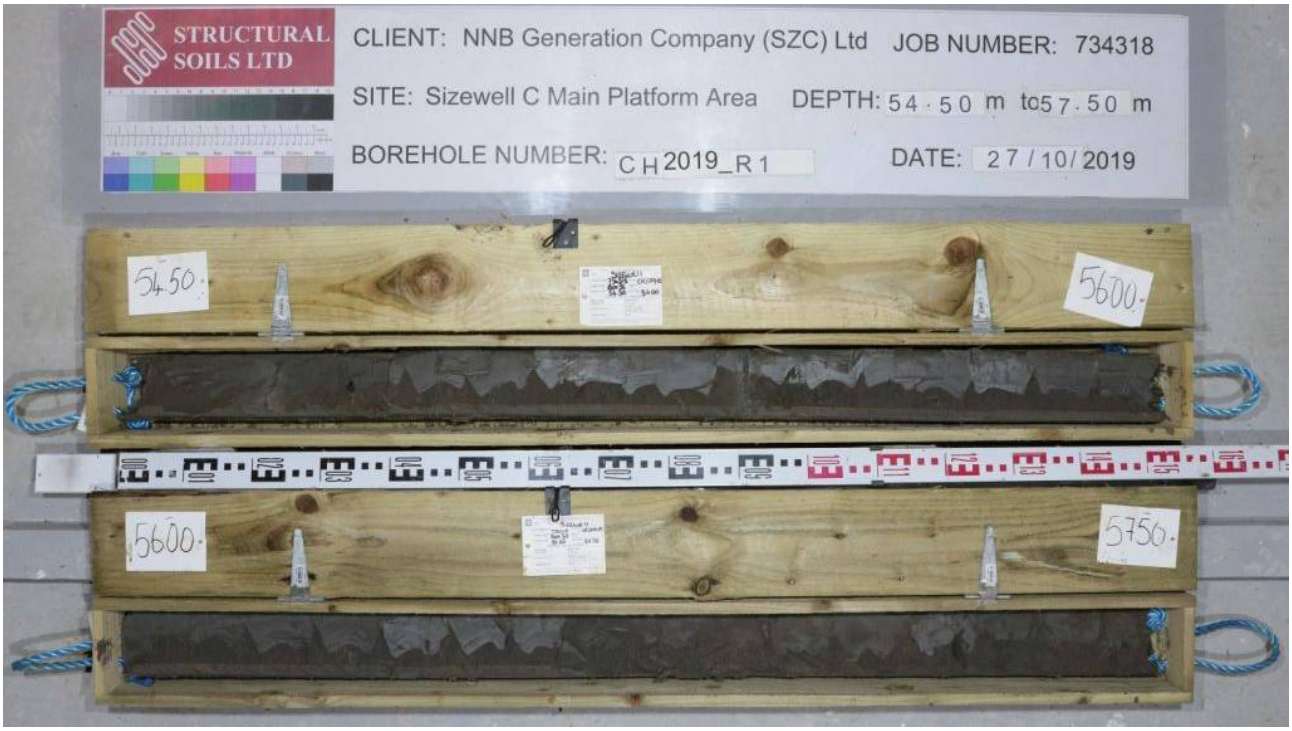
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 54.50m - 57.50m depth.





CH2019_R1 57.50m - 60.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Chec By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 60.50m - 63.50m depth.





CH2019_R1 63.50m - 66.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Ch By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 66.50m - 69.50m depth.





CH2019_R1 69.50m - 72.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Che By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 72.50m - 75.50m depth.





CH2019_R1 75.50m - 78.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Check By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 78.50m - 81.50m depth.





CH2019_R1 81.50m - 84.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Ch By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 84.50m - 87.50m depth.





CH2019_R1 87.50m - 90.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Ch By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**43** of **47**

CH2019_R1 90.50m - 93.50m depth.





CH2019_R1 93.50m - 96.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Check By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 96.50m - 99.50m depth.





CH2019_R1 99.50m - 102.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Check By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 08:40 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **30.10.19**	**2.14**	**E:647203.8 N:263977.1**	**45** of **47**

CH2019_R1 102.50m - 105.50m depth.





CH2019_R1 105.50m - 108.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Che By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 108.50m - 111.50m depth.





CH2019_R1 111.50m - 114.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Check By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R1**
Contract Ref:	Start: **14.10.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R1 114.50m - 117.50m depth.





CH2019_R1 117.50m - 120.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	IMccullagh	Logged By:	ADenham + HJones	Chec By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**1** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
0.10-0.30	1	B									MADE GROUND: Slightly yellowish brown slightly gravelly silty fine to coarse SAND. Gravel is rounded to subrounded of flint with frequent roots. (MADE GROUND)		2.09	0 (0.30) 0.30	
0.20	2	D													
0.30-1.00	3	B									MADE GROUND: Light yellowish brown slightly gravelly silty fine to coarse SAND. Gravel is rounded to subrounded of flint. (MADE GROUND)			2 (0.70)	
0.50	4	D									. . . 0.75m: concrete slab 0.10m thick in northern side of pit.		1.39	1.00	
1.00-1.20	5	B									MADE GROUND: Light yellowish brown mottled grey slightly gravelly silty fine to coarse SAND. Gravel is subangular to subrounded of flint. (MADE GROUND)		1.19	1.20	
1.10	6	D													
1.20-1.60															
1.20-1.30	101	ES		100	0	0		70% Polymer-Mud (Light brown)			MADE GROUND: Orangish brown mottled grey slightly gravelly slightly silty fine to medium SAND with frequent rootlets and comminuted shell fragments. Gravel is subangular to subrounded fine to medium of flint, mudstone and brick fragment. (MADE GROUND)			1 (0.90)	
1.60-2.10															
1.60-1.70	1	ES		90	0	0		70% Polymer-Mud (Light brown)					0.29	2 2.10	
2.10-3.70				6	0	0		70% Polymer-Mud (Light brown)			. . . 2.05-2.10m: Assumed zone of core loss. Minimal recovery (6%). Recovered as 100mm of strong light grey CONCRETE. (MINIMAL RECOVERY)			0 (1.60) 3	MR / AZCL
3.70-4.50				0	0	0		70% Polymer-Mud (Light brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-1.31	-1 3.70 4 (0.80)	AZCL
														-2	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
09/11/19	07:30	0.00	None	N/R	-
09/11/19	11:30	1.20	None	N/R	-
10/11/19	08:00	1.20	None	N/R	-
11/11/19	09:30	1.20	None	N/R	0.50
11/11/19		1.20	1.25	146	-
11/11/19		1.20	1.25	146	-
11/11/19	16:10	10.00	1.25	146	0.00
12/11/19	08:00	10.00	1.25	146	0.30

General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Inspection pit hand dug to 1.20m depth.
4. No water strike.
5. 100mm ID plain pipe installed for the cross hole test.

All dimensions in metres | Scale: **1:2**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**2** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				0	0	0							-2.11	4.50	AZCL
4.50-5.50				10	0	0		70% Polymer-Mud (Light brown)			Minimal recovery (10%). Recovered as 100mm of strong light grey CONCRETE. (MINIMAL RECOVERY)		-3	(1.00)	MR / AZCL
													-3.11	5.50	
5.50-7.00				0	0	0		70% Polymer-Mud (Light brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-4	(1.50)	AZCL
													-4.61	7.00	
7.00-8.50											Minimal recovery (21%). Recovered as strong light grey CONCRETE overlain by very soft dark grey CLAY with occasional pockets of spongy black pseudo-fibrous peat up to 20 x 15mm.				
7.20-7.30	102	ES													
7.30-7.40	2	ES									(MINIMAL RECOVERY)		-5		
				21	0	0		0% Polymer-Mud						(1.50)	MR / AZCL
													-6		
													-6.11	8.50	
8.50-10.00				15	0	0					Minimal recovery (15%). Recovered as soft light bluish grey slightly gravelly CLAY with occasional rootlets. Gravel is subrounded fine to medium of chert. (MINIMAL RECOVERY)				MR / AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
12/11/19	16:15	17.30	1.25	146	2.10
13/12/19	08:00	17.30	1.25	146	2.00
13/12/19	16:10	21.80	21.80	146	0.80
14/11/19	08:00	21.80	21.80	146	0.70
14/11/19	14:15	27.50	21.80	146	1.95
15/11/19	08:05	27.50	21.80	146	1.85
15/11/19	11:40	29.00	21.80	146	0.50
18/11/19	12:30	29.00	21.80	146	1.40

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**3** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				15	0	0		0% Polymer-Mud						9 (1.50)	
													-7	-7	MR / AZCL
10.00-11.50													-7.61	10.00	
10.00-10.10	103	ES									Minimal recovery (8%). Recovered as spongy black fibrous PEAT. (MINIMAL RECOVERY)			10	
				8	0	0		10% Polymer-Mud (Light brown)					-8	-8 (1.50)	MR / AZCL
														11	
													-9	-9	
11.50-12.80													-9.11	11.50	
11.50-12.50	1	C									Not logged zone with sampling. Unopened geotechnical sample C1. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(1.00) 12	NLZS
				100	0	0		70% Polymer-Mud (Light brown)					-10	-10	
12.50-12.60	3	ES									Dark grey silty slightly gravelly fine to coarse SAND with frequent comminuted shell fragments, occasional rootlets and occasional flasers of clay up to 9 x 5mm. Gravel is angular to subrounded fine of flint. (SUPERFICIAL DEPOSITS - SAND)		-10.11	12.50	
12.80-14.30											Light orangish brown silty fine SAND with occasional shell fragments up to 15 x 11mm. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-10.35	12.74	
13.00-14.00	2	C		80	0	0					Not logged zone with sampling.Unopened geotechnical sample C2. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-10.61	13.00	NLZS
													-11	13	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
18/11/19	16:15	29.00	26.70	146	0.70
19/11/19	09:30	29.00	27.20	146	1.15
19/11/19	16:10	42.50	28.00	146	2.15
20/11/19	08:10	42.50	28.00	146	2.80
20/11/19	16:10	45.85	36.20	146	0.40
21/11/19	08:00	45.85	36.20	146	2.40
22/11/19	08:00	45.85	36.20	146	2.65
23/11/19	08:30	45.85	36.20	146	1.85

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**4** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				80	0	0		75% Polymer-Mud (Light brown)						(1.00)	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-11.61	14.00 (0.30)	AZCL
14.30-15.80													-11.91	14.30	
14.30-15.30	3	C		67	0	0		70% Polymer-Mud (Light brown)			Not logged zone with sampling.Unopened geotechnical sample C3. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-12	(1.00)	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-12.91	15.30 (0.50)	AZCL
15.80-17.30													-13.41	15.80	
15.80-16.70	4	C		60	0	0		70% Polymer-Mud (Light brown)			Not logged zone with sampling. Unopened geotechnical sample C4. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-14	16 (0.90)	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-14.31	16.70 (0.60)	AZCL
17.30-18.80				100	0	0					Dark greenish grey fine to medium SAND with frequent comminuted shell fragments. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-14.91	17.30 (0.50)	
17.80-18.80	5	C									*Description on next sheet*		-15.41	17.80	NLZS

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
24/11/19	08:40	45.85	38.50	146	0.20
25/11/19	07:30	45.85	38.50	146	-
26/11/19	07:30	45.85	38.50	146	-
28/11/19	08:00	47.60	40.00	146	0.50
28/11/19	16:00	48.10	40.00	146	0.00
29/11/19	08:10	48.10	40.00	146	0.50
29/11/19	11:50	51.30	40.00	146	0.00
02/12/19	12:30	51.30	40.00	146	1.25

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**5** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0		75% Polymer-Mud (Grey)			Not logged zone with sampling. Unopened geotechnical sample C5. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-16	18 (1.00)	NLZS
18.80-20.30											Dark greenish grey fine to medium SAND with frequent comminuted shell fragments. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-16.41	18.80 (0.40)	
19.20-20.20	6	C		93	0	0		75% Polymer-Mud (Grey)			Not logged zone with sampling. Unopened geotechnical sample C6. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-16.81	19.20	
											. . . 20.20-20.30m: Assumed zone of core loss.		-17	(1.10) 20	NLZS
20.30-21.80				16	0	0		75% Polymer-Mud (Grey)			Minimal recovery (16%). Recovered as dark greenish grey fine to medium SAND with frequent comminuted shell fragments and occasional flasers of clay up to 7 x 5mm. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-17.91	20.30	
21.80-23.30													-18	(1.50) 21	MR / AZCL
21.80-22.10	7	D		50	0	0					Dark greenish grey slightly gravelly fine to coarse SAND with abundant comminuted shell fragments. Gravel is subrounded to rounded fine to medium of sandstone and flint. (RED CRAG FORMATION (UNDIFFERENTIATED))		-19		
													-19.41	21.80 (0.74) 22	
													-20		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
02/12/19	16:00	55.00	40.00	146	0.30
03/12/19	10:01	55.00	40.00	146	0.10
03/12/19	15:48	67.00	40.00	146	0.00
04/12/19	08:00	67.00	40.00	146	0.26
04/12/19	13:30	73.00	40.00	146	0.00
05/12/19	08:00	73.00	40.00	146	1.65
05/12/19	12:03	76.00	40.00	146	0.80
06/12/19	07:30	76.00	40.00	146	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Che By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**6** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
								80% Polymer-Mud (Grey)					-20.15	22.54	
				50	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.76)	AZCL
													-20.91	23.30	
23.30-24.80															
23.30-23.60	8	D									Dark greenish grey slightly gravelly fine to coarse SAND with abundant comminuted shell fragments. Gravel is medium subrounded fine to medium of flint. (RED CRAG FORMATION (UNDIFFERENTIATED))		-21	(0.50)	
													-21.41	23.80	
23.80-24.80	7	C									Not logged zone with sampling. Unopened geotechnical sample C7. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			24	
				100	0	0							-22	(1.00)	NLZS
													-22.41	24.80	
24.80-26.00													-22.51	24.90	
24.90-25.90	8	C									Dark greenish grey fine to coarse SAND with abundant comminuted shell fragments. (RED CRAG FORMATION (UNDIFFERENTIATED))			25	
											Not logged zone with sampling. Unopened geotechnical sample C8. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-23	(1.00)	NLZS
				92	0	0							-23.51	25.90	
											Dark greenish grey fine to coarse SAND with abundant comminuted shell fragments. (RED CRAG FORMATION (UNDIFFERENTIATED))		-23.61	26.00	
26.00-27.50											. . . 25.90-26.00m: Assumed zone of core loss.			26	
26.00-26.30	9	D									Dark greenish grey slightly gravelly fine to coarse SAND with abundant comminuted shell fragments and occasional shell fragments up to 8 x 6mm. Gravel is subangular to subrounded fine of flint. (RED CRAG FORMATION (UNDIFFERENTIATED))		-24	(0.50)	
				100	0	0							-24.11	26.50	
26.50-27.50	9	C									Not logged zone with sampling. Unopened geotechnical sample C9. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)				NLZS

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
07/12/19	10:00	76.00	40.00	146	1.40
07/12/19	15:45	85.00	40.00	146	-
08/12/19	08:30	85.00	40.00	146	0.50
08/12/19	15:46	100.00	40.00	146	1.10
09/12/19	08:00	100.00	40.00	146	-
09/12/19	15:45	121.00	40.00	146	1.25
10/12/19	08:00	121.00	40.00	146	1.20
10/12/19	15:05	121.00	40.00	146	0.00

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**7** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0							-25	(1.00) 27	NLZS
27.50-29.00 27.50-28.20	10	C									Not logged zone with sampling. Unopened geotechnical sample C10. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-25.11	27.50	
				47	0	0		90% Polymer-Mud (Brown)					-25.81	(0.70) 28 28.20	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-26	(0.80)	AZCL
29.00-30.50 29.00-30.00	11	C		100	0	0		80% Polymer-Mud (Grey)			Not logged zone with sampling. Unopened geotechnical sample C11. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-26.61	29.00 29	
													-27	(1.00)	NLZS
30.00-30.10	10	D									Dark greenish grey slightly gravelly fine to coarse SAND with abundant comminuted shell fragments. Gravel is subrounded medium of claystone. (RED CRAG FORMATION (UNDIFFERENTIATED))		-27.61	30.00 30	
													-28	(0.50)	
30.50-32.00 30.50-31.50	12	C		90	0	0		80% Polymer-Mud (Grey)			Not logged zone with sampling. Unopened geotechnical sample C12. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-28.11	30.50	
														(1.00) 31	NLZS
													-29		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
11/12/19	07:30	121.00	40.00	146	-
12/12/19	07:30	121.00	40.00	146	-
13/12/19	07:30	121.00	None	146	-
14/12/19	07:30	121.00	None	146	-
17/12/19	07:30	121.00	None	146	-
18/12/19	07:30	121.00	None	146	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**8** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
													-29.11	31.50	NLZS
31.50-31.60	11	D		90	0	0					Dark greenish grey slightly gravelly fine to coarse SAND with frequent comminuted shell fragments and occasional shell fragments up to 12 x 5mm. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 31.85-32.00m: Assumed zone of core loss.			(0.50)	
													-29.61	32.00	
32.00-33.50								80% Polymer-Mud (Grey)			Not logged zone with sampling. Unopened geotechnical sample C13. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(1.00)	NLZS
32.00-33.00	13	C		90	0	0							-30.61	33.00	
33.00-33.10	12	D									Dark greenish grey slightly silty fine to medium SAND with frequent comminuted shell fragments. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 33.35-33.50m: Assumed zone of core loss.			(0.50)	
													-31.11	33.50	
33.50-35.00											Not logged zone with sampling. Unopened geotechnical sample C14. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(1.00)	NLZS
33.50-34.50	14	C		97	0	0							-32.11	34.50	
34.50-34.60	13	D									Dark greenish grey slightly silty fine to medium SAND with frequent comminuted shell fragments. (RED CRAG FORMATION (UNDIFFERENTIATED))			(0.50)	
													-32.61	35.00	
35.00-36.50											Not logged zone with sampling. Unopened geotechnical sample C15. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(1.00)	NLZS
35.00-36.00	15	C		100	0	0							-33		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: 1:

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**9** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
													33.61	36.00	NLZS
36.00-36.10	14	D		100	0	0		80% Polymer-Mud (Grey)			Dark greenish grey slightly gravelly slightly silty fine to medium SAND with frequent comminuted shell fragments. Gravel is subrounded fine to medium of claystone. (RED CRAG FORMATION (UNDIFFERENTIATED))		-34	(0.50) 36	
36.50-38.00													34.11	36.50	
36.50-37.50	16	C		93	0	0					Not logged zone with sampling. Unopened geotechnical sample C16. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-35	(1.00) 37	NLZS
37.50-37.60	15	D									Dark greenish grey slightly gravelly slightly silty fine to medium SAND with frequent comminuted shell fragments. Gravel is subrounded fine to medium of claystone. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 37.90m-38.00m: Assumed zone of core loss.		35.11	37.50	
38.00-39.50													35.61	(0.50) 38.00	
38.00-38.10	16	D		97	0	0		80% Polymer-Mud (Grey)			Dark greenish grey slightly silty fine to medium SAND with frequent comminuted shell fragments and occasional shell fragments up to 15 x 8mm. (RED CRAG FORMATION (UNDIFFERENTIATED))		-36	(0.45) 38	
38.45-39.45	17	C									Not logged zone with sampling. Unopened geotechnical sample C17. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		36.06	38.45	
39.50-41.00													-37	(1.05) 39	NLZS
39.50-39.60	17	D		100	0	0					Dark greenish grey slightly silty fine to medium SAND with frequent comminuted shell fragments and rare shell fragments up to 11 x 5mm. (RED CRAG FORMATION (UNDIFFERENTIATED))		37.11	39.50	
40.00-41.00	18	C									Not logged zone with sampling. Unopened geotechnical sample C18. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-38	(0.50) 40	
													37.61	40.00	NLZS

. . . 39.45m-39.50m: Assumed zone of core loss.

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**10** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0								(1.00)	NLZS
													-38.61	41.00	
41.00-42.50														41	
41.00-41.10	18	D									Dark greenish grey slightly silty fine to medium SAND with frequent comminuted shell fragments and rare shell fragments up to 8 x 5mm. (RED CRAG FORMATION (UNDIFFERENTIATED))			(0.50)	
													-39		
41.50-42.50	19	C									Not logged zone with sampling. Unopened geotechnical sample C19. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-39.11	41.50	
				100	0	0		80% Polymer-Mud (Grey)						(1.00)	NLZS
														42	
													-40		
													-40.11	42.50	
42.50-44.00															
42.50-42.60	19	D									Dark greenish grey slightly silty fine to medium SAND with numerous comminuted shell fragments and rare shell fragments up to 6 x 4mm. (RED CRAG FORMATION (UNDIFFERENTIATED))			(0.50)	
													-40.61	43.00	
43.00-44.00	20	C									Not logged zone with sampling. Unopened geotechnical sample C20. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			43	
				100	0	0							-41	(1.00)	NLZS
													-41.61	44.00	
44.00-44.90											Dark greenish grey slightly silty fine to medium SAND with frequent comminuted shell fragments and rare shell fragments up to 12 x 8mm. (RED CRAG FORMATION (UNDIFFERENTIATED))			44	
				100	0	0							-42	(0.63)	
													-42.24	44.63	
											Dark brown clayey GRAVEL. Gravel is subangular to subrounded fine to medium of flint and limestone. (RED CRAG FORMATION (UNDIFFERENTIATED))		-42.41	44.80	
44.80-44.90	20	D													

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Chec By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**11** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
44.90-45.85 44.93-45.33	21	C									Stiff extremely closely to very closely fissured thinly laminated dark greyish brown micaceous glauconitic silty CLAY with widely spaced thick laminae of stiff volcaniclastic silt/clay. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER)			45	
45.33-45.43	21	D		100	0	0					. . . 45.61-45.63m: stiff dark grey volcaniclastic silt/clay		-43	(1.05)	
45.85-46.20				0	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-43.46	45.85 46	
46.20-47.60				0	0	0							-44	(1.75)	AZCL
47.60-48.10 47.60-47.70	22	D		100	0	0		100% Polymer-Mud (Brown)			Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown micaceous glauconitic silty CLAY with medium spaced very thin beds of very stiff volcaniclastic silt/clay. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) . . . 47.77-47.82m: very stiff dark grey volcaniclastic silt/clay.		-45	47 (0.60)	
48.10-48.30 48.10-48.20	23	D		100	0	0					Very strong bluish grey argillaceous LIMESTONE. Recovered as subangular fine to coarse gravel of limestone. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND) . . . 48.20-48.30m: recovered as non intact angular fine to coarse gravel		-45.21 -45.81	47.60 48.20	
48.30-49.80				8	0	0		90% Polymer-Mud (Brown)			Minimal recovery (8%). Recovered as very stiff extremely closely to very closely fissured thinly laminated dark greyish brown micaceous glauconitic silty CLAY with medium spaced very thin beds of very stiff volcaniclastic silt/clay. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER)		-45.91 -46 -47	48.30 (1.50) 49	MR/ AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**12** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				8	0	0							-47.41	49.80	MR / AZCL
49.80-50.50															
49.80-49.90	24	D									Very stiff extremely close to very closely fissured thinly laminated dark greyish brown glauconitic very micaceous silty CLAY (relatively more silty than unit above) with medium spaced thick laminae to thin beds of stiff to very stiff volcaniclastic silt/clay. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) . . . 50.29-50.31m: very stiff dark grey volcaniclastic silt/clay. . . . 50.35-50.36m: stiff dark grey volcaniclastic silt/clay. . . . 50.45-50.50m: occasional gravel of subangular fine to medium strong dark grey limestone. . . . 50.58-50.63m: stiff dark grey volcaniclastic silt/clay. . . . 50.80-50.89m: stiff dark grey volcaniclastic silt/clay.			50 (1.06)	
				100	0	0		90% Polymer-Mud (Brown)					-48		
50.50-51.30															
				100	0	0							-48.47	50.86	
51.20-51.30	25	D									Very stiff extremely close to very closely fissured thinly laminated dark greyish brown glauconitic very micaceous silty CLAY (relatively more silty than unit above) with medium spaced thick laminae to thin beds of stiff to very stiff volcaniclastic silt/clay and occasional lenses of light brown fine sand. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) . . . 50.88-50.91m: very stiff dark grey volcaniclastic silt/clay.		-48.76	(0.29) 51.15	
51.30-52.80															
51.38-51.70	22	C											-49		
51.60-51.70	26	D												(0.93)	
				60	0	0		90% Polymer-Mud (Grey)			Very stiff extremely close to very closely fissured thinly laminated dark greyish brown glauconitic very micaceous silty CLAY (relatively more silty than unit above) with medium spaced thick laminae to thin beds of stiff to very stiff volcaniclastic silt/clay. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER)		-49.69	52.08	
											Very strong light grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-49.81	52.20	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-50	(0.60)	AZCL
52.80-53.50													-50.41	52.80	
52.80-52.90	27	D									Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown glauconitic very micaceous silty CLAY. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, ORWELL MEMBER) . . . 53.07-53.11m: stiff dark grey volcaniclastic silt/clay. . . . 53.20-53.25m: occasional lenses of dark brown fine to medium sand.			53 (0.75)	
				100	0	0		90% Polymer-Mud (Grey)					-51		
53.27-53.50	23	C													
53.50-55.00													-51.16	53.55	
53.71-53.95	24	C		100	0	0					Stiff extremely closely to very closely fissured thinly laminated dark greyish brown bioturbated glauconitic micaceous CLAY with occasional lenses of black fine sand.. Fissures are randomly orientated planar smooth polished or matt. Burrows are randomly				

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**13** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
53.95-54.44	25	C									orientated up to 2 x 14mm. (HARWICH FORMATION, ORWELL MEMBER)			54	
				100	0	0		90% Polymer-Mud (Grey)			. . . 54.44-54.49m: occasional claystones up to 6 x 9mm.		-52		
54.57-54.79	26	C													
54.80-54.90	28	D													
55.00-56.50														(2.95)	
55.00-55.55	27	C											-53		
55.62-55.96	28	C									. . . 56.55-56.62m: stiff dark grey volcaniclastic silt/clay.				
				93	0	0		75% Polymer-Mud (Grey)						56	
56.08-56.30	29	C													
56.30-56.40	29	D											-54		
											. . . 56.40-56.50m: Assumed zone of core loss.		-54.11	56.50	
56.50-58.00											Unopened geotechnical samples C30, C31 and C32				
56.50-57.00	30	C									Description inferred from CH2019_T: Stiff dark greyish brown glauconitic micaceous slightly sandy SILT. Sand is fine to medium. (HARWICH FORMATION, ORWELL MEMBER)				
57.00-57.22	31	C												57 (1.25)	
57.22-57.75	32	C		90	0	0		75% Polymer-Mud (Grey)					-55		
													-55.36	57.75	
57.75-57.85	30	D									Black rounded fine to coarse sandy GRAVEL of flint with a single rounded cobble of flint. Sand is fine to coarse. (HARWICH FORMATION, IPSWICH MEMBER)		-55.61	58.00	
58.00-59.50											. . . 57.85-58.00m: Assumed zone of core loss.			58	
58.00-58.10	31	D									Yellowish brown slightly calcareous slightly silty fine to medium SAND. (READING FORMATION)				
				100	0	0							-56		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**14** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
59.50-61.00 59.50-59.60	32	D		100	0	0		75% Polymer-Mud (Grey)					-57	59 (2.58)	
				72	0	0		75% Polymer-Mud (Grey)					-58	60	
													-58.19	60.58	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.42)	AZCL
61.00-62.50 61.00-62.00	33	C		100	0	0		75% Polymer-Mud (Grey)			Yellowish brown slightly calcareous slightly silty fine to medium SAND. (READING FORMATION)		-58.61	61.00 61	
62.00-62.10	33	D											-59	62	
62.50-64.00 62.50-62.60	34	D		93	0	0					. . . 62.76-62.78m: flaser of soft brown clay.		-60		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: 1:

Method Used:	Plant Used:	Drilled By:	Logged By:	C B
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**15** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
62.90-63.90	34	C		93	0	0		75% Polymer-Mud (Grey)			. . . 63.90-64.00m: Assumed zone of core loss.		-61	63 (4.50)	
64.00-65.50													-62	64	
64.50-64.60	35	D													
64.50-65.50	35	C		100	0	0							-63	65	
65.50-67.00													-63.11	65.50	
65.50-66.20	36	C									Very stiff extremely closely fissured thinly laminated brownish grey CLAY. Fissures are randomly orientated planar rough smooth, matt or polished. (READING FORMATION)			66	
66.20-66.93	37	C		100	0	0							-64	(1.42)	
66.92-67.00	36	D											-64.53	66.92	
67.00-68.50											Stiff extremely closely to very closely fissured thinly laminated brownish grey CLAY with occasional lenses of yellowish fine to medium sand and frequent nodules of calcrete. Fissures are randomly oriented planar smooth, matt or polished. (READING FORMATION)			67	
67.14-67.43	38	C		81	0	0							-65		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**16** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
67.43-67.53	37	D									. . . 66.95-66.98m: stiff dark grey volcaniclastic siltstone.			(1.11)	
67.56-68.03	39	C													
				81	0	0		75% Polymer-Mud (Grey)					-65.64	68.03	
											Very stiff extremely closely to very closely brownish grey slightly micaceous clayey SILT with occasional lenses of yellowish fine to medium sand. Fissures are randomly orientated planar smooth, matt or polished. (READING FORMATION)		-65.82	68.21	
													-66	(0.29)	AZCL
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-66.11	68.50	
68.50-70.00															
68.50-69.29	40	C									Very stiff extremely closely to very closely brownish grey slightly micaceous clayey SILT with occasional lenses of yellowish fine to medium sand. Fissures are randomly orientated planar smooth, matt or polished. (READING FORMATION)			(0.79)	
				100	0	0		75% Polymer-Mud (Grey)						69	
													-66.90	69.29	
69.48-69.85	41	C									Firm bluish grey mottled orangish brown and red (ferricrete) micaceous slightly sandy SILT. Sand is fine to medium. (UPNOR FORMATION)		-67		
69.90-70.00	38	D													
70.00-71.50														70	
70.00-70.27	42	C												(1.86)	
70.27-70.73	43	C											-68		
70.73-70.83	39	D		100	0	0		75% Polymer-Mud (Grey)							
70.87-71.25	44	C												71	
													-68.76	71.15	
											Very stiff very closely to closely fissured thinly laminated dark grey spotted dark green bioturbated glauconitic micaceous silty CLAY. Fissures are randomly orientated planar smooth polished or matt. Burrows are randomly orientated up to 6 x 19mm infilled with dark grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-69		
71.50-73.00															
71.50-71.75	45	C													
				100	0	0								(1.18)	
71.75-72.13	46	C													

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	C / B
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**17** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
72.13-72.33	47	C												72	
													-69.94	(72.33)	
72.35-72.45	40	D		100	0	0		75% Polymer-Mud (Grey)			Very stiff very closely to closely fissured thinly laminated dark grey bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are subhorizontal up to 3 x 18mm infilled with dark grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-70		
73.00-74.50														73	
73.00-73.40	48	C											-71		
73.40-73.69	49	C													
73.70-73.80	41	D		100	0	0							-72	74	
73.81-74.19	50	C													
74.50-76.00											. . . 74.39-74.50m: becoming slightly silty clay.				
74.50-74.77	51	C													
74.77-75.09	52	C												(5.04)	
75.09-75.53	53	C		100	0	0							-73	75	
75.55-75.65	42	D													
76.00-77.50														76	
76.00-76.10	43	D													
76.19-76.49	54	C		100	0	0							-74		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Chec By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**18** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
76.52-76.94	55	C						75% Polymer-Mud (Grey)			. . . 76.52-76.53m: lense of dark brown fine to medium sand.				
76.94-77.37	56	C		100	0	0								77	
													-74.98	77.37	
77.50-79.00											Very stiff closely fissured thinly laminated dark grey mottled green bioturbated glauconitic micaceous clayey SILT with occasional lenses of dark yellowish brown fine to medium sand. Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are randomly orientated up to 7 x 16mm infilled with dark grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-75		
77.50-77.60	44	D													
77.88-78.24	57	C												78 (1.45)	
78.24-78.59	58	C		100	0	0					. . . 78.15-78.30m: becoming silty clay.		-76		
													-76.43	78.82	
79.00-80.50											Very stiff very closely to closely fissured thinly laminated dark grey bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are randomly orientated up to 3 x 9mm infilled with dark grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)			(0.38)	
79.00-79.10	43	D											-76.81	79.20	
											Very stiff very closely to closely fissured thinly laminated dark grey bioturbated glauconitic micaceous clayey SILT. Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are randomly orientated up to 3 x 9mm infilled with dark grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-77.03	79.42	
				100	0	0									
80.19-80.50	59	C									Very stiff very closely to closely fissured thinly laminated dark grey bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are randomly orientated up to 3 x 9mm infilled with dark grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)			80 (1.38)	
80.50-82.00											. . . 79.91-80.09m: becoming slightly sandy silt. Sand is fine to medium		-78		
80.50-80.79	60	C		100	0	0							-78.41	80.80	
											Description on next sheet				

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Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**19** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
81.13-81.36	61	C						75% Polymer-Mud (Grey)			Very stiff very closely to closely fissured thinly laminated dark reddish brown bioturbated glauconitic micaceous silty CLAY. Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are randomly orientated up to <1 x 5mm infilled with dark grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)			81 (0.90)	
81.40-81.50	62	D		100	0	0							-79		
											Very stiff dark green glauconitic gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1)		-79.31	81.70 (0.30)	
82.00-83.50											Very weak medium density medium jointed (NI/543/1170) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 8-10° medium spaced(NI/543/1170) planar rough clean or with frequent black specks, unstained, no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade A2)	1	-79.61	82.00	
											. . . 82.47m: belemnite rostrum up to 30 x 12mm	2	-80	(0.72)	
				50	33	25		75% Polymer-Mud (Grey)			. . . 82.68m: shell fragment up to 50 x 32mm		-80.33	82.72	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			83 (0.78)	AZCL
83.50-84.25				19	19	19		75% Polymer-Mud (Grey)			Minimal recovery (19%). Recovered as very weak medium density medium jointed (NI/543/1170) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 8-10° medium spaced (NI/543/1170) planar rough clean or with frequent black specks, unstained, no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade A2)		-81 -81.11	83.50 (0.75)	MR / AZCL
											. . . 83.55m: shell fragments up to 18 x 12mm			84	
84.25-85.00				0	0	0		75% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-81.86	84.25	
													-82	(0.75)	AZCL
85.00-85.75				61	0	0		50% Polymer-Mud 75% (White)			Weak to medium strong high to very high density white burrow mottled light grey CHALK hard ground with rare black specks and locally green glauconite-mineralized. Recovered non-intact. (PORTSDOWN FORMATION, WEYBOURNE		-82.61	85.00	
														85 (0.46)	
													-83		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Chec By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**20** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				61	0	0					CHALK MEMBER) . . . 85.00-85.10m: flint band. Coarse gravel sized fragment of nodular flint with a thin cortex. Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-83.07	85.46	
85.75-86.50				0	0	0		50% Polymer-Mud (White)					-84	(1.04) 86	AZCL
86.50-87.25				0	0	0		50% Polymer-Mud (White)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-84.11	86.50	
87.25-88.00				0	0	0		50% Polymer-Mud (White)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-84.86	(0.75) 87.25	AZCL
88.00-88.75				0	0	0		50% Polymer-Mud (White)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-85	(0.75) 88.00	AZCL
88.75-89.50				0	0	0		50% Polymer-Mud (White)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-85.61	88	
89.50-91.00				100	71	65					Very weak medium density closely jointed (NI/167/340) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 6-8° medium spaced (NI/300/990) planar rough clean. Inclined fractures: 32-43° medium spaced	3 4	-86	(0.75) 88.75	AZCL
													-86.36	89	
													-87	(0.75) 89.50	AZCL
													-87.11		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**21** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	71	65		50% Polymer-Mud (White)			(NI/308/455) planar or undulating rough generally clean locally with occasional black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade A2) . . . 89.62-89.85m: flint band. Fine gravel sized fragments of nodular flint with thin cortexes.	5 6 7 8 9 10	-88	90 (1.50)	
91.00-92.50				100	88	73		50% Polymer-Mud (White)			Very weak medium density medium jointed (NI/295/1530) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-10° medium spaced (NI/613/1530) planar or undulating or stepped rough generally clean locally with frequent black specks, lightly stained yellow, no infill. Gently inclined joints: 16-28° very widely spaced (NI/3753/8660) planar or undulating rough clean. Inclined joints: 31-42° very widely spaced (NI/5805/19465) planar rough clean. Steeply inclined joints: 78° planar rough clean. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade A2) . . . 91.00-91.05m: medium strong density locally green glauconite-mineralised hard ground. Recovered non-intact. . . . 91.00-91.09m: non-intact. . . . 91.26-91.37m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. . . . 91.83-91.91m: black-stained sponge bed.	11 12 13 14 15	-88.61 -89	91.00 92 (2.73)	
92.50-94.00				82	68	68		50% Polymer-Mud (White)			. . . 93.10-93.14m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. . . . 93.62-93.62m: non-intact. . . . 93.66-93.67m: black-stained sponge bed.	16 17	-90 -91 -91.34	93 93.73	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-91.61	94.00	AZCL
94.00-95.50				95	95	95					Very weak medium density medium jointed (NI/295/1530) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-10° medium spaced (NI/613/1530) planar or undulating or stepped rough generally clean locally with frequent	18 19	-92	94	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**22** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				95	95	95		50% Polymer-Mud (White)			black specks, lightly stained yellow, no infill. Gently inclined joints: 16-28° very widely spaced (NI/3753/8660) planar or undulating rough clean. Inclined joints: 31-42° very widely spaced (NI/5805/19465) planar rough clean. Steeply inclined joints: 78° planar rough clean. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade A2)	20			
											. . . 94.97-95.00m: black-stained sponge bed	21			
												22		95	
												23	-93		
95.50-97.00											. . . 95.45-95.50m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.	24			
												25			
												26		96	
				100	97	66		50% Polymer-Mud (White)					-94		
												27			
												28			
												29			
												30			
97.00-98.50												31		97	
											. . . 97.20-97.25m: black-stained sponge bed	32	-95		
												33			
				100	93	87		65% Polymer-Mud (White)						98	
												34			
												35	-96		
98.50-100.00												36			
				100	97	91						37			

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Chec By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**23** of **57**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	97	91		65% Polymer-Mud (White)			. . . 99.10-99.14m: black-stained sponge bed	38		99	
100.00-101.50												39	-97		
												40			
												41		100	
												42			
												43			
												44	-98		
				100	67	26		75% Polymer-Mud (White)			. . . 100.39-100.76m: non-intact . . . 100.49-100.76m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes.	45			
												46			
												47		101	
												48			
												49	-99		
101.50-103.00												50			
												51			
												52		102	
				100	95	87		75% Polymer-Mud (White)			. . . 102.32-102.39m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes.	53			
												54			
												55	-100		
												56			
103.00-104.50											. . . 103.00-103.06m: non-intact.	57		103	
				100	87	69					. . . 103.24-103.31m: non-intact.	58			
												59			
												60	-101		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	87	69		75% Polymer-Mud (White)			. . . 103.75-103.79m: flint band. Fine to medium gravel size fragments of nodular flint with thick cortexes.	61			
												62		104	
												63	-102		
104.50-106.00															
											. . . 104.61m: shell fragments up to 12 x 7mm.	64			
											. . . 104.86-104.99m: black-stained sponge bed	65		105	
				100	97	90		75% Polymer-Mud (White)				66			
												67	-103		
											. . . 105.71-105.75m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.	68			
												69			
106.00-107.50														106	
											. . . 106.07-106.11m: non-intact.	70			
												71			
												72			
											. . . 107.37-106.39m: black-stained sponge bed		-104		
				100	95	95		75% Polymer-Mud (White)						107	
											. . . 107.20-107.24m: black-stained sponge bed				
												73	-105	(27.00)	
107.50-109.00											. . . 107.52m: single echinoid spine up to 16 x 6mm				
				90	85	56						74			
												75			

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				90	85	56		75% Polymer-Mud (White)			. . . 108.44-108.65m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes.	76	-106	108	
												77			
												78			
											. . . 108.85-109.00m: Assumed zone of core loss.				
109.00-110.50														109	
												79	-107		
				100	93	93		75% Polymer-Mud (White)							
														110	
												80			
												81			
												82			
												83			
											. . . 110.32-110.37m: flint band. Fine gravel size fragments of finger flint with thin cortexes.		-108		
110.50-112.00												84			
												85			
												86			
												87			
														111	
				100	84	73		75% Polymer-Mud (White)					-109		
												88			
											. . . 111.77-111.76m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.				
											. . . 111.74-111.80m: flint band. Fine gravel size fragments of nodular flint with thin cortexes				
112.00-113.50											. . . 111.77-112.00m: non-intact.			112	
												89			
												90			
				100	91	91					. . . 111.14-111.23m: black-stained sponge bed				
												91	-110		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Che By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	91	91		75% Polymer-Mud (White)			. . . 111.32-111.38m: flint band. Fine gravel size fragments of nodular flint with thin cortexes			113	
											. . . 111.82-111.87m: flint band. Fine gravel size fragments of nodular flint with thin cortexes	92			
											. . . 113.24-113.25m: non-intact.	93	-111		
113.50-115.00												94			
											. . . 113.60-113.67m: non-intact.	95			
												96			
														114	
											. . . 114.08-114.29m: non-intact.	97			
				100	80	73		75% Polymer-Mud (White)				98	-112		
												99			
												100			
												101			
												102			
115.00-116.50											. . . 115.00-115.06m: section thinned by drilling			115	
												103			
												104	-113		
												105			
				100	99	89		75% Polymer-Mud (White)						116	
											. . . 116.20-116.29m: black-stained sponge bed				
													-114		
116.50-118.00												106			
				100	97	97						107			

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Che By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_R2**

Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	97	97		75% Water (White)			. . . 116.91-117.04m: black-stained sponge bed	108			
												109		117	
													-115		
118.00-119.50														118	
											. . . 118.36-118.43m: flint band. Fine gravel size fragments of nodular flint with thin cortexes		-116		
				100	77	77		75% Water (White)			. . . 118.58-118.77m: non-intact.	110			
												111		119	
												112			
												113	-117		
119.50-121.00											. . . 119.50-119.68m: black-stained sponge bed				
											. . . 119.72-119.92m: non-intact.	115			
											. . . 119.99-120.36m: non-intact.			120	
				100	35	14		75% Water (White)					-118		
												114			
												116			
													118.61	121.00	
											Borehole terminated at 121.00m			121	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:** [redacted]

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**SHinton + ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R2 1.20m - 2.10m depth.





CH2019_R2 2.10m - 4.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Chec By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 4.50m - 7.00m depth.





CH2019_R2 7.00m - 10.00m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Che By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 10.00m - 12.80m depth.





CH2019_R2 12.80m - 15.80m depth

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Ch By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 15.80m - 18.80m depth





CH2019_R2 18.80m - 21.80m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Check By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_R2 21.80m - 24.80m depth.



CH2019_R2 24.80m - 27.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Chec By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R2 27.50m - 30.50m depth.





CH2019_R2 30.50m - 33.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Ch By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

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CH2019_R2 33.50m - 36.50m depth.





CH2019_R2 36.50m - 39.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Che By:

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R2 39.50m - 42.50m depth.





CH2019_R2 42.50m - 44.90m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Check By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_R2 44.90m - 46.20m depth.





CH2019_R2 46.20m - 48.10m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 46.20m - 48.10m depth. (Split)





CH2019_R2 48.10m - 49.80m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	C By:

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BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_R2 49.80m - 51.30m depth.





CH2019_R2 49.80m - 51.30m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Ch By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 51.30m - 53.50m depth.





CH2019_R2 51.30m - 53.50m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Ch By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 53.50m - 56.50m depth.





CH2019_R2 53.50m - 56.50m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Ch By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_R2 56.50m - 59.50m depth.





CH2019_R2 56.50m - 59.50m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	C B

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BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_R2 59.50m - 62.50m depth.





CH2019_R2 62.50m - 65.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Chec By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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CH2019_R2 65.50m - 68.50m depth.





CH2019_R2 65.50m - 68.50m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Che By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 68.50m - 71.50m depth.





CH2019_R2 68.50m - 71.50m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Ch By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 71.50m - 74.50m depth.





CH2019_R2 71.50 - 74.50m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 74.50m - 77.50m depth.





CH2019_R2 74.50m - 77.50m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 77.50m - 80.50m depth.





CH2019_R2 77.50m - 80.50m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	C B

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BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_R2 80.50m - 83.50m depth.





CH2019_R2 80.50m - 83.50m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Che By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 83.50m - 85.00m depth.





CH2019_R2 85.00m - 86.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Chec By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 86.50m - 88.00m depth.





CH2019_R2 88.00m - 89.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Che By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 89.50m - 92.50m depth.





CH2019_R2 92.50m - 95.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Ch By:

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 95.50m - 98.50m depth.





CH2019_R2 98.50m - 101.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Check By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_R2**
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CH2019_R2 101.50m - 104.50m depth.





CH2019_R2 104.50m - 107.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Chec By:

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BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_R2 107.50m - 110.50m depth.





CH2019_R2 110.50m - 113.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Ch By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_R2 113.50m - 116.50m depth.



Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	C By: [redacted]

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Contract:		Client:		Borehole:
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CH2019_R2 116.50m - 119.50m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
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Contract Ref:	Start: **09.11.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **18.12.19**	**2.39**	**E:647210.1 N:263970.9**	**57** of **57**

CH2019_R2 119.50m - 121.00m depth.



Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	SHinton + ADenham	Check By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 08:44 | ST9 |

SUMMARY OF DISCONTINUITIES - CH2019_R2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	82.16	BF	8	P-R	-	-	-	Frequent black specks,	BEECK	CHALK
								unstained, no infill.		
2	82.46	BF	10	P-R	-	-	-	Clean	BEECK	CHALK
3	89.61	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
4	89.75	BF	7	P-R	-	-	-	Clean	WBCK	CHALK
5	89.89	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
6	89.94-89.97	J	32	U-R	-	-	-	Clean	WBCK	CHALK
7	90.14-90.19	J	38	U-R	-	-	-	Clean	WBCK	CHALK
8	90.46-90.52	BF	42	P-R	-	-	-	Clean	WBCK	CHALK
9	90.79-90.87	J	43	P-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
10	90.88	BF	8	P-R	-	-	-	Clean	WBCK	CHALK
11	91.09	BF	5	P-R	-	-	-	Clean	WBCK	CHALK
12	91.26	BF	10	P-R	-	-	-	Clean	WBCK	CHALK
13	91.34-91.37	BF	24	U-R	-	-	-	Clean	WBCK	CHALK
14	91.62	BF	8	P-R	-	-	-	Clean	WBCK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - CH2019_R2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
15	91.83	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
16	92.77	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
17	93.55	BF	8	P-R	-	-	-	Clean	WBCK	CHALK
18	94.12	BF	5	P-R	-	-	-	Clean	WBCK	CHALK
19	94.28	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
20	94.49	BF	9	S-R	-	-	-	Clean	WBCK	CHALK
21	94.79	BF	7	P-R	-	-	-	Clean	WBCK	CHALK
22	94.97	BF	5	U-R	-	-	-	Clean	WBCK	CHALK
23	95.24	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
24	95.61	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
25	95.69	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
26	95.83	BF	3	P-R	-	-	-	Clean	WBCK	CHALK
27	96.53	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
28	96.66	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
29	96.76	BF	7	P-R	-	-	-	Clean	WBCK	CHALK
30	96.80	BF	10	U-R	-	-	-	Clean	WBCK	CHALK

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SUMMARY OF DISCONTINUITIES - CH2019_R2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
31	97.06	BF	4	P-R	-	-	-	Frequent black specks,	WBCK	CHALK
								unstained, no infill.		
32	97.41	BF	6	U-R	-	-	-	Clean	WBCK	CHALK
33	97.71	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
34	98.10	BF	3	P-R	-	-	-	Clean	WBCK	CHALK
35	98.31	BF	3	P-R	-	-	-	Clean	WBCK	CHALK
36	98.57	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
37	98.67	BF	2	S-R	-	-	-	Clean	WBCK	CHALK
38	98.95	BF	6	U-R	-	-	-	Clean	WBCK	CHALK
39	99.37	BF	9	P-R	-	-	-	Clean	WBCK	CHALK
40	99.47-99.48	BF	16	P-R	-	-	-	Clean	WBCK	CHALK
41	99.85	BF	9	U-R	-	-	-	Clean	WBCK	CHALK
42	100.10	BF	3	P-R	-	-	-	Clean	WBCK	CHALK
43	100.25	BF	5	U-R	-	-	-	Clean	WBCK	CHALK
44	100.39	BF	9	U-R	-	-	-	Clean	WBCK	CHALK
45	100.76-100.78	J	23	U-R	-	-	-	Clean	WBCK	CHALK

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Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - CH2019_R2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
46	100.92	BF	8	P-R	-	-	-	Clean	WBCK	CHALK
47	100.99	BF	5	P-R	-	-	-	No black specks, lightly	WBCK	CHALK
								stained yellow, no infill.		
48	101.19	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
49	101.33	BF	7	U-R	-	-	-	Clean	WBCK	CHALK
50	101.59	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
51	101.70	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
52	101.83	BF	4	U-R	-	-	-	Clean	WBCK	CHALK
53	102.17	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
54	102.27	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
55	102.45	BF	9	U-R	-	-	-	Clean	WBCK	CHALK
56	102.78	BF	5	P-R	-	-	-	Clean	WBCK	CHALK
57	103.07	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
58	103.17	BF	8	U-R	-	-	-	Clean	WBCK	CHALK
59	103.24-103.26	J	19	P-R	-	-	-	Clean	WBCK	CHALK
60	103.28-103.31	J	21	P-R	-	-	-	Clean	WBCK	CHALK

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SUMMARY OF DISCONTINUITIES - CH2019_R2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
61	103.50	BF	6	U-R	-	-	-	Clean	WBCK	CHALK
62	103.91	BF	8	P-R	-	-	-	Occasional black specks,	WBCK	CHALK
								lightly stained yellow, no infill.		
63	104.34	BF	9	P-R	-	-	-	Clean	WBCK	CHALK
64	104.63	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
65	104.87	BF	9	U-R	-	-	-	Clean	WBCK	CHALK
66	105.19	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
67	105.44	BF	3	P-R	-	-	-	Clean	WBCK	CHALK
68	105.81	BF	8	P-R	-	-	-	Clean	WBCK	CHALK
69	105.90	BF	3	U-R	-	-	-	Clean	WBCK	CHALK
70	106.07	BF	7	P-R	-	-	-	Clean	WBCK	CHALK
71	106.11	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
72	106.31	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
73	107.45	BF	2	P-R	-	-	-	Occasional black specks,	WBCK	CHALK
								lightly stained yellow, no infill.		
74	107.64	BF	6	P-R	-	-	-	Clean	WBCK	CHALK

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SUMMARY OF DISCONTINUITIES - CH2019_R2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
75	107.73	BF	8	U-R	-	-	-	Clean	WBCK	CHALK
76	108.30	BF	8	U-R	-	-	-	Clean	WBCK	CHALK
77	108.71	BF	10	P-R	-	-	-	Clean	WBCK	CHALK
78	108.81	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
79	109.18-109.21	J	24	U-R	-	-	-	Clean	WBCK	CHALK
80	110.10	BF	6	P-R	-	-	-	Clean.	WBCK	CHALK
81	110.10-110.23	J	78	P-R	-	-	-	Clean	WBCK	CHALK
82	110.23	BF	2	P-R	-	-	-	Clean	WBCK	CHALK
83	110.30	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
84	110.43-110.50	J	35	P-R	-	-	-	Clean	WBCK	CHALK
85	110.61	BF	7	P-R	-	-	-	Clean	WBCK	CHALK
86	110.67	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
87	110.83	BF	6	S-R	-	-	-	Clean	WBCK	CHALK
88	111.77	BF	10	S-R	-	-	-	Clean	WBCK	CHALK
89	112.10	BF	2	P-R	-	-	-	Clean	WBCK	CHALK
90	112.18	BF	6	U-R	-	-	-	Clean	WBCK	CHALK

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SUMMARY OF DISCONTINUITIES - CH2019_R2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
91	112.34-112.38	J	28	P-R	-	-	-	Clean	WBCK	CHALK
92	113.11-113.14	J	31	P-R	-	-	-	Clean	WBCK	CHALK
93	113.24	BF	8	P-R	-	-	-	Clean	WBCK	CHALK
94	113.44	BF	2	P-R	-	-	-	Clean	WBCK	CHALK
95	113.60	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
96	113.67	BF	8	U-R	-	-	-	Clean	WBCK	CHALK
97	114.08-114.15	J	42	P-R	-	-	-	Clean	WBCK	CHALK
98	114.29	BF	9	P-R	-	-	-	Clean	WBCK	CHALK
99	114.57	BF	4	U-R	-	-	-	Clean	WBCK	CHALK
100	114.68	BF	8	P-R	-	-	-	Clean	WBCK	CHALK
101	114.78	BF	8	P-R	-	-	-	Clean	WBCK	CHALK
102	114.90	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
103	115.15	BF	8	U-R	-	-	-	Clean	WBCK	CHALK
104	115.29	BF	8	S-R	-	-	-	Clean	WBCK	CHALK
105	115.49	BF	6	S-R	-	-	-	Clean	WBCK	CHALK
106	116.64	BF	4	P-R	-	-	-	Clean	WBCK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - CH2019_R2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
107	116.79	BF	8	P-R	-	-	-	Clean	WBCK	CHALK
108	116.90	BF	5	U-R	-	-	-	Clean	WBCK	CHALK
109	117.04	BF	3	U-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
110	118.57	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
111	118.77	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
112	119.31	BF	4	U-R	-	-	-	Clean	WBCK	CHALK
113	119.36	BF	7	U-R	-	-	-	Clean	WBCK	CHALK
114	120.47	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
115	120.68-118.73	J	38	P-R	-	-	-	Clean	WBCK	CHALK
116	120.87	BF	9	U-R	-	-	-	Clean	WBCK	CHALK

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**1** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
0.00-0.30	1	B								MADE GROUND: Orangish brown slightly gravelly fine SAND with rare shells and rootlets. Gravel is subangular to subrounded of flint. (MADE GROUND)	2	0 (0.30)	
0.20	2	D									1.84	0.30	
0.30-0.60	3	B								MADE GROUND: Orangish brown to yellowish brown slightly gravelly slightly silty fine SAND with occasional shells. Gravel is subangular to subrounded of flint, concrete and slag. (MADE GROUND)		(0.60)	
0.50	4	D											
0.60-0.90	5	B									1.24	0.90	
0.80	6	D											
0.90-1.05	7	B								MADE GROUND: Cobble sized CONCRETE. (MADE GROUND)	1.09	1.05 1	
1.00	8	D											
1.05-2.00				100	0	0				MADE GROUND: Orangish brown slightly gravelly fine to medium SAND with rare coarse sand sized comminuted shells. Gravel is subrounded to subangular fine to medium of flint and mudstone. (MADE GROUND) . . . 1.54-1.59m: very thin bed of dark brown fine to medium sand. . . . 1.73-1.83m: occasional comminuted shells. . . . 1.95-1.98m: flaser of brown clay up to 10 x 3mm.	1	(1.10)	
2.00-3.50				100	0	0					-0.01	2 2.15	
										MADE GROUND: Greyish brown slightly gravelly fine to medium SAND with numerous coarse sand to fine gravel sized comminuted shells. Gravel is subrounded fine to medium of flint and mudstone. (MADE GROUND) . . . 2.39-2.42m: flaser of brown clay up to 5 x 3mm.		(1.09)	
											-1.10	3 3.24	
3.50-5.00				100	0	0				MADE GROUND: Greyish brown slightly gravelly fine to medium SAND Gravel is subrounded fine to medium of flint and mudstone. (MADE GROUND) . . . 3.34-3.35m: thin laminae of black organic matter. . . . 3.50-3.90m: very closely to closely spaced flasers of brown clay up to 30 x 50mm.	-2	4	
										. . . 4.22-4.28m: dark blackish grey slightly gravelly fine to medium sand. Gravel is subangular to angular fine to medium			

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
18/09/19		0.00	None	N/R	-
18/09/19		0.90	None	N/R	Dry
19/09/19		0.90	None	N/R	-
19/09/19		0.90	None	178	-
19/09/19		0.90	0.90	178	-
19/09/19		5.00	None	178	1.30
19/09/19		11.00	11.00	178	0.20
23/09/19		11.00	11.00	178	-

General Remarks

1. Services plan was consulted.
2. Hand dug inspection pit to 0.90m depth. Concrete obstruction at 0.90m depth.
3. Position scanned with a CAT and Genny prior to excavation.
4. No water strike.
5. Borehole drilled using sonic drilling technique to the bottom of the hole.
6. Borehole was installed with 110mm AOD plain pipe and the annulus grouted with cement for the cross hole test.

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:13 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**2** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				100	0	0				clinker. Strong organic odour. . . . 4.55-4.62m: dark blackish grey slightly gravelly fine to medium sand. Gravel is subangular to angular fine to medium clinker. Strong odour.		(2.96)	
5.00-6.50				100	0	0				. . . 5.48-5.58m: cobble of subrounded concrete.	-3	5	
											-4.06	6.20	
6.50-8.00				93	0	0				Spongy blackish brown pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT) . . . 6.33-6.43m: thin bed of plastic dark bluish grey slightly sandy peaty clay. . . . 6.78-6.85m: thin bed of plastic dark bluish grey peaty clay.	-5	(0.94)	
										Very soft dark grey CLAY with numerous pockets of pseudo-fibrous peat and occasional. spongy black amorphous peat (up to 3 x 60mm). (SUPERFICIAL DEPOSITS - CLAY) . . . 7.43-7.92m: dark bluish grey. . . . 7.82-7.92m: Assumed zone of core loss.	-5.00	7.14	
8.00-9.50				67	0	0				Spongy black amorphous PEAT. (SUPERFICIAL DEPOSITS - PEAT)	-5.78	(0.78)	
										Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-5.86	7.92 8.00	AZCL
										Spongy black amorphous PEAT. (SUPERFICIAL DEPOSITS - PEAT)	-6.31	(0.45) 8.45	
										Firm blackish brown pseudo- fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)	-6.54	8.68	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
23/09/19		15.50	15.50	178	1.30
24/09/19		15.50	15.50	178	0.60
24/09/19		36.50	36.50	178	1.55
26/09/19		36.50	36.50	178	1.50
26/09/19		51.50	51.50	178	3.40
30/09/19		51.50	51.50	178	4.10
30/09/19		63.50	63.50	178	6.20
01/10/19		63.50	63.50	178	0.50

General Remarks

7. Flush return was not recorded by the driller.

All dimensions in metres | Scale: 1:[redacted]

Method Used:	Plant Used:	Drilled By:	Logged By:	C By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**3** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				67	0	0				. . . 9.18-9.33m: thin bed of spongy black amorphous peat. . . . 9.31m: thin laminae of bluish grey clay.	-7	9 (0.82)	
9.50-11.00										Firm blackish brown pseudo- fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)	-7.36	9.50 (0.40)	
				87	0	0				Firm black amorphous PEAT. (SUPERFICIAL DEPOSITS - PEAT)	-7.76	9.90 (0.46)	
										Grey slightly gravelly fine to medium SAND. Gravel is subrounded fine to medium of flint and quartzite. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-8.22	10.36 (0.24)	
										Bluish grey slightly gravelly fine to medium SAND with numerous coarse sand to fine gravel sized comminuted shells and occasional flasers of grey clay up to 12 x 15mm. Gravel is subrounded fine to medium of flint and quartzite. Oxidises to brownish grey. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-8.46	10.60 (0.10)	
										Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-8.56	10.70 (0.30)	AZCL
11.00-12.50				100	0	0				Bluish grey slightly gravelly fine to medium SAND with numerous coarse sand to fine gravel sized comminuted shells and occasional flasers of grey clay up to 12 x 15mm. Gravel is subrounded fine to medium of flint and quartzite. Oxidises to brownish grey. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) . . . 11.00-11.20m: occasional pockets of black organic matter . . . 12,08-12.32m: occasional comminuted shells.	-8.86	11.00 (1.50)	
12.50-14.00				100	0	0				. . . 12.92-12.94m: thick laminae of brown clay.	-10.36	12.50 (1.50)	
											-11.86	14.00	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
01/10/19		74.00	74.00	178	3.40
02/10/19		74.00	74.00	178	8.20
02/10/19		84.50	84.50	178	0.00
07/10/19		95.00	84.50	178	3.00
07/10/19		98.00	98.00	178	7.20
08/10/19		98.00	98.00	178	7.10
08/10/19		107.00	100.70	178	6.60
09/10/19		107.00	100.70	178	6.65

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**4** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
14.00-15.50				100	0	0				. . . 13.60-13.61m thin laminae of numerous coarse sand to fine gravel sized comminuted shells.		14	
											-12	(6.32)	
										. . . 14.32m: grey (no longer oxidised).			
				100	0	0				. . . 14.70m: thin laminae of grey clay.		15	
										. . . 15.11-15.13m: thick laminae of grey clay.	-13		
										. . . 15.25-15.30m: very thin bed of grey clay.			
15.50-17.00										. . . 15.40-15.42m: thick laminae of grey clay.			
										. . . 15.67m: thin laminae of grey clay.			
										. . . 15.90-15.94m: extremely closely spaced thin to thick laminae of grey clay interbedded with thin laminae of blackish grey micaceous fine sand.		16	
										. . . 15.98-16.04m: extremely closely spaced thin to thick laminae of grey clay interbedded with thin laminae of blackish grey micaceous fine sand.	-14		
				100	0	0				. . . 16.18-16.37m: extremely closely spaced thin to thick laminae of grey clay interbedded with thin laminae of blackish grey micaceous fine sand.			
										. . . 16.62m: thin laminae of grey clay.			
										. . . 16.72m: thin laminae of grey clay.			
										. . . 16.89-16.93m: thin bed of grey clay.			
17.00-18.50												17	
										. . . 17.16-17.21m: thin bed of grey clay.	-15		
											-15.18	17.32	
				100	0	0				Brownish grey fine to medium SAND with frequent coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))			

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
09/10/19		116.00	116.00	178	7.10
10/10/19		116.00	116.00	178	2.20
10/10/19		120.50	120.50	178	3.90
11/10/19		120.50	None	N/R	-
12/10/19		120.50	None	N/R	-
13/10/19		120.50	None	N/R	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**5** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
											-16	18 (1.60)	
18.50-20.00				100	0	0					-16.78	18.92	
										Brownish grey fine to medium SAND with numerous coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-17	19 (0.59)	
				100	0	0					-17.37	19.51	
										Brownish grey fine to medium SAND with frequent coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) . . . 19.74-19.76m: numerous coarse sand to fine gravel sized comminuted shells, possibly laminated.		(0.88) 20	
20.00-21.50											-18		
											-18.25	20.39	
				93	0	0				Grey fine to medium SAND. Oxidises to brownish grey. (RED CRAG FORMATION (UNDIFFERENTIATED))		(1.11) 21	
										. . . 21.40-21.50m: Assumed zone of core loss.	-19		
											-19.36	21.50	
21.50-23.00										Brownish grey fine to medium SAND with abundant coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))			
				100	0	0					-20	22	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: 1:[redacted]

Method Used:	Plant Used:	Drilled By:	Logged By:	C B
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**6** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
23.00-24.50				100	0	0				. . . 23.34-22.41m: strong greyish brown subrounded coarse gravel of claystone.	-21	23	
				100	0	0							
24.50-26.00										. . . 24.30-24.33m: medium gravel size shell fragments.	-22	24	
				100	0	0					-23	25	
26.00-27.50											-24	26	
				100	0	0						(10.13)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale:

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**7** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
27.50-29.00				100	0	0				. . . 27.40-27.45m: medium strong greyish brown subrounded medium to coarse gravel of claystone.	-25	27	
				93	0	0				. . . 27.99-28.03m: numerous coarse sand to fine gravel sized comminuted shells, possibly laminated. . . . 27.14-28.18m: numerous coarse sand to fine gravel sized comminuted shells, possibly laminated.	-26	28	
29.00-30.50				100	0	0				. . . 28.52-28.54m: numerous coarse sand to fine gravel sized comminuted shells, possibly laminated. . . . 28.90-29.00m: Assumed zone of core loss. . . . 29.33-29.38m: very thin bed of laminated grey clay.	-27	29	
30.50-32.00				100	0	0				. . . 30.25-30.26m: medium strong greyish brown subangular coarse gravel of claystone.	-28	30	
				100	0	0					-29	31	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**8** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
											-29.49	31.63	
32.00-33.50				100	0	0				Brownish grey fine to medium SAND with occasional coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-30	32	
										. . . 32.07-32.08m: weak greyish brown medium to coarse gravel of claystone.			
										. . . 32.32-32.34m: thick laminae of grey clay.			
										. . . 32.45-32.48m: medium strong greyish brown coarse gravel of fine grained sandstone			
				100	0	0					-31	33	
33.50-35.00										. . . 33.41-33.50 m: cemented. (Calcareous).		(4.49)	
				100	0	0					-32	34	
35.00-36.50											-33	35	
				100	0	0							

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Che By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**9** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
											-33.98	36	
				100	0	0				Brownish grey fine to medium SAND with abundant coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 36.16-36.20m: medium strong greyish brown subrounded coarse gravel of claystone. . . . 36.40-36.50m: occasional coarse sand sized comminuted shells.	-34	36.12	
36.50-38.00				80	0	0					-35	(1.58) 37	
											-35.56	37.70	
										Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-35.86	(0.30) 38.00	AZCL
38.00-39.50				100	0	0				Brownish grey fine to medium SAND with occasional to abundant coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 38.40-38.41m: full gastropod shell 11 x 27mm.	-36	38	
39.50-41.00				100	0	0				. . . 39.21-39.22m: full gastropod shell 15 x 34mm. . . . 39.30-39.31m: full gastropod shell 17 x 30mm. . . . 39.41-39.42m: full gastropod shell 18 x 31mm.	-37	39	
				100	0	0					-38	40	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**10** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
41.00-42.50				100	0	0					-39	41 (7.24)	
				100	0	0							
42.50-44.00										. . . 42.42-42.50m: cemented. (Calcareous). . . . 42.50-42.60m: slightly clayey.	-40	42	
				100	0	0					-41	43	
										. . . 43.48-43.51m: very thin bed of grey clay.			
44.00-45.50				100	0	0					-42	44	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**11** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
											-43	45	
				100	0	0					-43.10	45.24	
45.50-47.00										Stiff extremely closely to very closely fissured thinly laminated dark greyish brown micaceous silty CLAY with medium spaced thick laminae to very thin beds of stiff to very stiff volcaniclastic silt. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER)			
										. . . 45.89-45.90m: stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt.		46	
										. . . 46.05-46.06m: stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt.	-44		
				100	0	0						(2.43)	
										. . . 46.48-46.51m: stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt.			
										. . . 46.75-46.81m: very stiff dark grey volcaniclastic silt.			
47.00-48.50										. . . 46.87-46.90m: stiff dark grey volcaniclastic silt. Top 2mm bioturbated. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt.		47	
										. . . 47.06-47.07m: stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt.	-45		
										. . . 47.19-47.21m: stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt.			
											-45.53	47.67	
				100	0	0				Medium strong dark grey argillaceous LIMESTONE recovered as non intact fine to coarse gravel. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)	-45.80	47.94	
										Stiff extremely closely to very closely fissured thinly laminated dark greyish brown micaceous silty CLAY with widely spaced very thin to thin beds of stiff to very stiff volcaniclastic silt or very weak volcaniclastic siltstone. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER)		48	
48.50-50.00											-46		
										. . . 48.77-48.80m: stiff dark grey volcaniclastic silt. Bottom 10mm bioturbated. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt.		(2.06)	
				100	0	0				. . . 48.92-48.96m: very stiff dark grey volcaniclastic silt. Bottom 2mm bioturbated. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt.		49	
											-47		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:** [redacted]

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	Ch By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**12** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
				100	0	0				. . . 49.43-49.56m: very weak dark grey volcaniclastic siltstone. Top 60mm bioturbated. Burrows are subhorizontal up to 2 x 5mm infilled with grey silt.			
										. . . 49.95-49.98m: very stiff dark grey volcaniclastic silt.	-47.86	50.00	
50.00-51.50				20	0	0				Minimal recovery (20%). Recovered as stiff extremely closely to very closely fissured thinly laminated dark greyish brown micaceous silty CLAY with widely spaced very thin to thin beds of stiff to very stiff volcaniclastic silt or very weak volcaniclastic siltstone. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER)	-48	(1.00)	MR / AZCL
											-48.86	51.00	
										Minimal recovery (20%). Recovered as stiff extremely closely to very closely fissured thinly laminated dark greyish brown micaceous silty CLAY with widely spaced very thin to thin beds of stiff to very stiff volcaniclastic silt or very weak volcaniclastic siltstone. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER)	-49	(0.50)	MR / AZCL
51.50-53.00				100	0	0				Medium strong dark grey argillaceous LIMESTONE recovered as non intact fine to coarse gravel. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)	-49.36	51.50	
											-49.68	(0.32) 51.82	
										Stiff extremely closely to very closely fissured thinly laminated dark greyish brown bioturbated slightly glauconitic micaceous silty CLAY with widely spaced very thin beds of stiff volcaniclastic silt. Fissures are randomly orientated planar smooth polished or matt. Burrows are subhorizontal up to 6 x 32mm infilled with grey and dark grey silt. (HARWICH FORMATION, WRABNESS MEMBER)	-50	52	
										. . . 52.66-52.69m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 2mm infilled with grey silt.			
										. . . 52.76-52.79m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt.		(2.39)	
53.00-54.50				100	0	0				. . . 52.96-53.00m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt.	-51	53	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Che By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**13** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
											-52	54	
				100	0	0				Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown bioturbated slightly glauconitic micaceous CLAY. Fissures are randomly orientated planar smooth polished or matt. Burrows are subhorizontal up to 5 x 23m infilled with grey silt. (HARWICH FORMATION, ORWELL MEMBER)	-52.07	54.21	
54.50-56.00												(0.65)	
										. . . 54.84-54.86m: thick laminae of grey silt.	-52.72	54.86	
										Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown bioturbated slightly glauconitic micaceous silty CLAY. Fissures are randomly orientated planar smooth polished or matt. Burrows are subhorizontal up to 5 x 23m infilled with grey silt. (HARWICH FORMATION, ORWELL MEMBER)	-52.97	55.11	
				100	0	0				Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown bioturbated slightly glauconitic micaceous CLAY. Fissures are randomly orientated planar smooth polished or matt. Burrows are subhorizontal up to 5 x 23m infilled with grey silt. (HARWICH FORMATION, ORWELL MEMBER) . . . 55.54-55.55m: thin laminae of grey silt.	-53	(1.37)	
56.00-57.50										. . . 56.00-56.10m: disturbed by drilling. . . . 56.14m: parting of light grey silt.	-54	56	
											-54.34	56.48	
				100	0	0				Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown bioturbated slightly glauconitic micaceous silty CLAY. Fissures are randomly orientated planar smooth polished or matt. Burrows are subhorizontal up to 5 x 23m infilled with grey silt. (HARWICH FORMATION, ORWELL MEMBER) . . . 56.50-56.51m: framboidal pyrite.	-54.59	56.73	
										Stiff dark greyish brown glauconitic micaceous slightly sandy SILT. Sand is fine to medium. (HARWICH FORMATION, ORWELL MEMBER)	-55	57 (1.10)	
57.50-59.00										. . . 57.39m -57.50m: thin bed of greyish brown fine to medium sand. . . . 57.64-57.68m: very thin bed of greyish brown fine to medium sand.			
										. . . 57.69m: thin parting of greyish brown fine to medium sand. . . . 57.70m: thin parting of greyish brown fine to medium sand. . . . 57.73m: thin parting of greyish brown fine to medium sand. . . . 57.75m: thin parting of greyish brown fine to medium sand. . . . 57.78m: thin parting of greyish brown fine to medium sand.	-55.69	57.83	
				100	0	0						(0.29) 58	
										Black well rounded fine to coarse sandy GRAVEL of flint. Sand is fine to medium. (HARWICH FORMATION, IPSWICH MEMBER)	-55.98 -56	58.12	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:** [redacted]

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	Ch By	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**14** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
59.00-60.50				100	0	0				Greyish brown slightly calcareous micaceous fine to medium SAND. (READING FORMATION)	-57	59	
				100	0	0					-58	60 (4.65)	
60.50-62.00				100	0	0					-59	61	
62.00-63.50				100	0	0				. . . 62.00-62.77m: disturbed by drilling recovered as greyish brown clayey fine to medium sand.	-60	62	
											-60.63	62.77	
										Description on next sheet			

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**15** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
										Greyish brown slightly clayey slightly calcareous micaceous fine to medium SAND. (READING FORMATION) . . . 63.09-63.11m: thick laminae of grey clay.	-61	(0.45) 63	
				100	0	0					-61.08	63.22	
										Very stiff greyish brown mottled bluish grey calcareous micaceous silty CLAY with frequent lenses of calcrete up to 5 x 55mm. (READING FORMATION)	-61.36	(0.28) 63.50	
63.50-65.00										Greyish brown fine to medium slightly calcareous micaceous SAND. (READING FORMATION)	-62	64	
				100	0	0				. . . 64.25-64.27m: thick laminae of brown clay. . . . 64.63-64.80m: thinly laminated. . . . 64.80-64.86m: very thin bed of grey micaceous clayey silt. . . . 64.86-64.88m: lignitic debris. . . . 64.88-64.90m: thick laminae of grey micaceous clayey silt.		(2.44)	
65.00-66.50										. . . 64.01-65.06m: lignitic debris. . . . 65.35m: medium strong brown subangular fine calcareous claystone . . . 65.63m: medium strong brown subangular fine calcareous claystone . . . 65.66-65.68m: thick laminae of grey micaceous clayey silt.	-63	65	
				100	0	0					-63.80	65.94	
66.50-68.00										Very stiff extremely closely fissured thinly laminated brownish grey CLAY with extremely closely to closely spaced partings of light grey calcareous silt. Fissures are randomly orientated planar rough, smooth, matt or polished. (READING FORMATION) . . . 66.54-66.55m: thin laminae of calcrete. . . . 66.72m: pyritised lignitic debris. . . . 66.80-66.82m: pyritised lignitic debris.	-64	66	
				100	0	0					-65	(2.10) 67	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: 1

Method Used:	Plant Used:	Drilled By:	Logged By:	C B
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**16** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
68.00-69.50				100	0	0					-65.99	68 (68.13)	
										Stiff light bluish grey mottled orangish brown and red (ferricrete) micaceous SILT (READING FORMATION)	-66		
				100	0	0					-67	(1.37) 69	
69.50-71.00										Firm light bluish grey mottled orangish brown and red (ferricrete) slightly sandy micaceous SILT. Sand is fine to medium, (READING FORMATION)	-67.36	69.50	
										. . . 69.50-69.79m: slightly sandy.	-67.65	(0.29) 69.79	
				100	0	0				Firm light bluish grey mottled orangish brown slightly sandy micaceous SILT. Sand is fine to medium. (READING FORMATION)	-68	70 (1.06)	
71.00-72.50											-68.71	70.85	
				100	0	0				Very stiff very closely to closely fissured thinly laminated dark grey spotted dark green bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are subhorizontal up to 2 x 23mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)	-69	71	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale:

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**17** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
72.50-74.00				100	0	0					-70	72 (3.32)	
				100	0	0					-71	73	
74.00-75.50				100	0	0					-72.02	74 74.17	
										Very stiff very closely to closely fissured dark grey spotted dark green bioturbated very glauconitic micaceous silty CLAY. Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are subhorizontal up to 2 x 7mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		(0.79)	
				100	0	0					-72.82	74.96	
										Very stiff very closely to closely fissured thinly laminated dark grey locally spotted dark green bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated planar rough or smooth matt or polished. Burrows are subhorizontal up to 2 x 17mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)	-73	75	
75.50-77.00				100	0	0						(1.59)	
											-74	76	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19** End: **13.10.20**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.14**	**E:647209.8 N:263976.9**	**18** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
											-74.41	76.55	
77.00-78.50				100	0	0				Very stiff very closely to closely fissured locally thinly laminated dark grey locally spotted dark green bioturbated very glauconitic micaceous silty CLAY. Fissures are randomly orientated planar rough or smooth matt or polished. Burrows are subhorizontal up to 1 x 13mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 77.04-77.19m: thinly laminated.	-75	77	
78.50-80.00				100	0	0					-76	(2.89) 78	
				100	0	0					-77	79	
80.00-81.50				100	0	0				Very stiff very closely to closely fissured locally thinly laminated reddish brown slightly bioturbated slightly glauconitic micaceous silty CLAY. Fissures are randomly orientated planar rough or smooth matt or polished. Burrows are subhorizontal up to 2 x 7mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)	-77.30	79.44	
											-78	80 (1.48)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: 1: [redacted]

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**19** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
										. . . 80.88-80.93m: frequent subangular to well rounded fine to medium gravel of flint.	-78.78	80.92	
										Stiff blackish green gravelly glauconitic CLAY. Gravel is subangular fine to coarse flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1)	-79	81 (0.58)	
				100	0	0							
81.50-83.00										. . . 81.45-81.50m: flint band. Medium gravel size fragment of nodular flint with a thin cortex.	-79.36	81.50	
										Recovered as structureless CHALK composed of white slightly gravelly sandy SILT. Clasts are subangular to subrounded very weak medium density white with rare black specks. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade Dm)			
										. . . 82.11-82.27m: frequent phosphatic fragments.	-80	82 (1.74)	
				100	0	0							
83.00-84.50										. . . 82.96-82.98m: flint band. Fine gravel size fragment of nodular flint with a thin cortex.	-81	83	
											-81.10	83.24	
										Recovered as structureless CHALK composed of slightly sandy silty subangular to subrounded fine to coarse GRAVEL and subrounded COBBLES. Clasts are very weak medium density white with rare black specks. Matrix is white. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade Dc)			
				100	0	0					-82	84 (2.76)	
84.50-86.00													
				100	0	0					-83	85	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale:

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19** End: **13.10.20**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.14**	**E:647209.8 N:263976.9**	**20** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
										. . . 85.38-85.45m: structureless chalk composed of slightly gravelly sandy SILT. Gravel is extremely weak low density white burrow mottled grey. (Dm).			
				100	0	0				. . . 85.59-85.70m:structureless chalk composed of slightly gravelly sandy SILT. Gravel is extremely weak low density white burrow mottled grey. (Dm).			
										. . . 85.84-85.88m: structureless chalk composed of slightly gravelly sandy SILT. Gravel is extremely weak low density white burrow mottled grey. (Dm).	-83.86	86.00	
86.00-87.50										Recovered as structureless CHALK composed of white slightly gravelly sandy SILT with occasional cobbles. Clasts are subangular to subrounded very weak medium density white with rare black specks. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade Dm)	-84		
				100	0	0							
										. . . 87.11-87.14m: black stained sponge bed.	-85		
87.50-89.00													
				100	0	0					-86		
89.00-90.50										. . . 89.00-89.10m: flint band. Large fragment of nodular flint with a thin cortex.	-87		
				100	0	0							

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: 1:[redacted]

Method Used:	Plant Used:	Drilled By:	Logged By:	C B
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19** End: **13.10.20**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.14**	**E:647209.8 N:263976.9**	**21** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
90.50-92.00				100	0	0				. . . 90.50-90.53m: flint band. Fine gravel size fragment of nodular flint with a thin cortex.	-88	90	
				100	0	0					-89	91	
92.00-93.50				100	0	0				. . . 91.95-92.00m: flint band. Fine gravel size fragments of nodular flints with thin cortexes. . . . 92.23-92.25m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.	-90	92	
93.50-95.00				100	0	0					-91	93	
				100	0	0					-92	94	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**

[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**22** of **47**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
95.00-96.50				100	0	0				. . . 94.71-94.78m: black stained sponge bed.	-93	95	
				100	0	0							
96.50-98.00				100	0	0				. . . 96.50-96.61m: flint band. Medium to large gravel size fragments of nodular flint with thin cortexes.	-94	96	
				100	0	0				. . . 97.69-97.74m: black-stained sponge bed.	-95	97	
98.00-99.50				100	0	0				. . . 97.88-97.97m: flint band. Medium to large gravel size fragments of nodular flint with thin cortexes. . . . 98.00-98.06m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes.	-96	98	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**CH2019_T**

Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
99.50-101.00				100	0	0				. . . 99.50-99.60m: flint band. Fine gravel size fragments of nodular flint.	-97	99	
				100	0	0					-98	100	
101.00-102.50				100	0	0				. . . 100.47-100.71m: flint band. Fine to large gravel size fragments of nodular flint with thin cortexes. . . . 100.37-102.05m: flint band. Fine gravel size fragments of nodular flint.	-99	101	
102.50-104.00				100	0	0					-100	102	
				100	0	0				. . . 103.11-103.34m: flint band. Fine gravel size fragments of nodular flint.	-101	103 (34.50)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	C B
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
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Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
104.00-105.50				100	0	0				. . . 103.86-103.90m: black-stained sponge bed.	-102	104	
				100	0	0				. . . 104.99-105.01m: belemnite 12 x 45mm.	-103	105	
105.50-107.00										. . . 105.43-105.50m: flint band. Medium gravel size fragment of nodular flint with a thin cortex. . . . 105.50-105.63m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes.			
				100	0	0					-104	106	
107.00-108.50											-105	107	
				100	0	0							

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: [redacted]

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**

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BOREHOLE LOG

Contract:	Client:	Borehole:
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Contract Ref:	Start: **18.09.19** End: **13.10.20**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
108.50-110.00				100	0	0					-106	108	
				100	0	0					-107	109	
110.00-111.50				100	0	0					-108	110	
				100	0	0					-109	111	
111.50-113.00				100	0	0					-110	112	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	C B
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
113.00-114.50				100	0	0					-111	113	
				100	0	0				. . . 113.80-113.83m: black-stained sponge bed.			
114.50-116.00											-112	114	
				100	0	0				. . . 114-115.00m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.	-113	115	
116.00-117.50											-114	116	
				100	0	0				. . . 116.17-116.31m: black-stained sponge bed.			

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
117.50-119.00				100	0	0					-115	117	
				100	0	0				. . . 118.24-118.32m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes.	-116	118	
										. . . 118.69-118.98m: black-stained sponge bed.			
119.00-120.50				100	0	0					-117	119	
											-118	120	
										Borehole terminated at 120.50m	-118.36	120.50	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: [redacted]

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Sonic Drilling	**Hand tools + SDC 390**	**IMccullagh**	**RAndrews + HJones**

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BOREHOLE LOG

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CH2019_T 1.05m - 3.50m depth.





CH2019_T 3.50m - 6.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	Ch By:	[redacted]

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BOREHOLE LOG

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CH2019_T 6.50m - 9.50m depth.





CH2019_T 9.50m - 12.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	Ch By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_T 12.50m - 15.50m depth.





CH2019_T 15.50m - 18.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	Chec By:	[redacted]

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BOREHOLE LOG

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CH2019_T 18.50m - 21.50m depth.





CH2019_T 21.50m - 24.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	C B

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BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_T 24.50m - 27.50m depth.





CH2019_T 27.50m - 30.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	Che By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_T 30.50m - 33.50m depth.





CH2019_T 33.50m - 36.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_T 36.50m - 39.50m depth.





CH2019_T 39.50m - 42.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	Ch By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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CH2019_T 42.50m - 45.50m depth.





CH2019_T 45.50m - 48.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	C B	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
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CH2019_T 48.50m - 51.50m depth.





CH2019_T 51.50m - 54.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	C B	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**37** of **47**

CH2019_T 54.50m - 57.50m depth.





CH2019_T 57.50m - 60.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**38** of **47**

CH2019_T 60.50m - 63.50m depth.





CH2019_T 63.50m - 66.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**39** of **47**

CH2019_T 66.50m - 69.50m depth.





CH2019_T 69.50m - 72.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	C B	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**40** of **47**

CH2019_T 72.50m - 75.50m depth.





CH2019_T 75.50m - 78.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**41** of **47**

CH2019_T 78.50m - 81.50m depth.





CH2019_T 81.50m - 84.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	Ch By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**42** of **47**

CH2019_T 87.50m - 90.50m depth.





CH2019_T 90.50m - 93.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	Ch By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**43** of **47**

CH2019_T 93.50m - 96.50m depth.





CH2019_T 96.50m - 99.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**44** of **47**

CH2019_T 99.50m - 102.50m depth.





CH2019_T 102.50m - 105.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	C B

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**45** of **47**

CH2019_T 105.50m - 108.50m depth.





CH2019_T 108.50m - 111.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**46** of **47**

CH2019_T 111.50m - 114.50m depth.





CH2019_T 114.50m - 117.50m depth.

Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**	Ch By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**CH2019_T**
Contract Ref:	Start: **18.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.10.20**	**2.14**	**E:647209.8 N:263976.9**	**47** of **47**

CH2019_T 117.50m - 120.50m depth.



Method Used:	**Trial Pit/trench + Sonic Drilling**	Plant Used:	**Hand tools + SDC 390**	Drilled By:	**IMccullagh**	Logged By:	**RAndrews + HJones**

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**1** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
0.00-0.10	1	B									MADE GROUND: Grass over topsoil dark yellowish brown slightly gravelly fine SAND with occasional rootlets. Gravel is subangular to subrounded fine to coarse of sandstone and concrete. (MADE GROUND)	2.07	0.10	
0.10	100	ES										2	(0.30)	
0.10	2	D												
0.10-0.40	3	B										1.77	0.40	
0.10	WAC1	ES									MADE GROUND: Dark yellowish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of concrete. (MADE GROUND)			
0.30	101	ES												
0.30	4	D												
0.30	WAC2	ES												
0.40-0.75	5	B												
0.50	102	ES												
0.50	6	D												
0.50	WAC3	ES									MADE GROUND: Dark grey slightly sandy angular to subrounded fine to coarse GRAVEL of granite and sandstone. Sand is fine to medium. (MADE GROUND)		(0.80)	
0.75-2.25											. . . 0.75m: type 1 sub-base on top of geomembrane and concrete obstruction.		1	
												0.971	1.20	
											All cores sent to EDF in France for logging. (NOT LOGGED ZONE WITH SAMPLING)			
2.25-3.00												0	2	
3.00-3.75												-1	3	
3.75-4.50												-2	4	

60% Water (Brown)

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
13/08/19	08:00	0.00	None	N/R	-
13/08/19		1.20	None	146	-
13/08/19		9.75	12.00	146	-
13/08/19	18:00	9.75	None	146	1.10
14/08/19	08:45	9.75	None	146	0.75
14/08/19	17:40	16.50	12.00	146	1.30
15/08/19	09:00	16.50	12.00	146	1.50
15/08/19	17:38	23.00	12.00	146	0.40

General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Geomembrane encountered at 0.75mbgl.
4. Borehole drilled using rotary core technique.
5. All cores were sent to EDF in France for logging.

All dimensions in metres | Scale:

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**2** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
4.50-5.25														
5.25-6.00														
6.00-7.00								50% Water (Brown)						
7.00-8.50								30% Water (Brown)						
8.50-9.25								10% Water (Brown)						

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
16/08/19	08:35	23.00	12.00	146	0.20
16/08/19	17:50	27.00	22.50	146	1.10
17/08/19	08:30	27.00	22.50	146	1.10
17/08/19	15:50	40.00	23.00	146	0.55
18/08/19	08:30	40.00	23.00	146	1.80
18/08/19	16:00	46.00	38.00	146	-
19/08/19	08:00	46.00	None	N/R	-
20/08/19	08:00	46.00	36.50	200	-

General Remarks

All dimensions in metres | Scale:

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**3** of **27**

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
9.25-9.75								0% Water (Brown)				-7		
9.75-10.25								30% Water (Brown)				-8	10	
10.25-10.75								30% Water (Brown)						
10.75-11.25								30% Polymer-Mud (Brown)				-9	11	
11.25-12.25								30% Polymer-Mud (Brown)				-10	12	
12.25-12.75														
12.75-13.25												-11	13	
13.25-14.25														

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
20/08/19	18:00	46.00	36.50	200	-
21/08/19	08:00	46.00	36.50	200	-
21/08/19	18:00	46.00	46.00	200	-
22/08/19	08:00	46.00	46.00	200	-
22/08/19	13:00	46.00	46.00	200	-
27/08/19	10:00	46.00	46.00	200	-
27/08/19	18:00	46.00	46.00	200	-
28/08/19	08:00	46.00	46.00	200	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**4** of **27**

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
14.25-15.75												-12	14	
15.75-16.50												-13	15	
16.50-18.00												-14	16	
												-15	17	
													18	

70% Water (Light brown)

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
28/08/19	18:00	46.00	46.00	200	-
29/08/19	08:00	46.00	46.00	200	-
30/08/19	12:55	46.00	46.00	200	0.00
30/08/19	13:30	53.50	46.00	200	1.80
31/08/19	09:00	53.50	46.00	200	1.35
31/08/19	15:30	60.25	46.00	200	3.40
01/09/19	09:00	60.25	46.00	200	1.85
01/09/19	15:45	61.75	46.00	200	2.60

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**5** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
18.00-19.50								75% Polymer-Mud (Light grey)				-16	19	
19.50-21.00								75% Polymer-Mud (Light grey)				-17 / -18	20	
21.00-22.50								75% Polymer-Mud (Light grey)				-19 / -20	21 / 22	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
02/09/19		61.75	46.00	200	0.00
02/09/19		68.00	46.00	200	0.20
03/09/19	08:30	68.00	46.00	200	1.50
03/09/19	17:25	83.00	46.00	200	0.80
04/09/19		83.00	46.00	200	0.10
04/09/19		111.00	46.00	200	0.60
05/09/19	08:30	110.00	46.00	200	1.00
05/09/19	17:15	120.00	46.00	200	0.80

General Remarks

All dimensions in metres | Scale: 1:[redacted]

Method Used:	Plant Used:	Drilled By:	Logged By:	C B
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**6** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
22.50-23.00								75% Polymer-Mud (Light grey)						
23.00-24.00								75% Polymer-Mud (Grey)				-21	23	
24.00-25.00								75% Polymer-Mud (Grey)				-22	24	
25.00-26.00								75% Polymer-Mud (Grey)				-23	25	
26.00-27.00								75% Polymer-Mud (Grey)				-24	26	
													27	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
10/09/19	12:30	120.00	46.00	200	1.00
10/09/19	18:30	120.00	46.00	200	0.60
11/09/19	08:25	120.00	46.00	200	1.00
11/09/19	17:00	120.00	46.00	200	1.50
12/09/19	08:35	120.00	46.00	200	1.50
12/09/19	17:20	120.00	42.00	200	2.60
13/09/19	08:30	120.00	42.00	200	0.80
13/09/19	17:10	120.00	42.00	200	0.60

General Remarks

All dimensions in metres | Scale:

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**7** of **27**

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
27.00-28.50								75% Polymer-Mud (Grey)				-25	28	
28.50-29.25								75% Polymer-Mud (Grey)				-26		
29.25-30.00								75% Polymer-Mud (Grey)				-27	29	
30.00-31.00								75% Polymer-Mud (Grey)				-28	30	
31.00-32.50												-29	31	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
14/09/19	08:00	120.00	42.00	200	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Chec By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
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Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**8** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
32.50-34.00								75% Polymer-Mud (Grey)				-30	32	
34.00-35.50								75% Polymer-Mud (Grey)				-31	33	
35.50-37.00								75% Polymer-Mud (Grey)				-32	34	
												-33	35	
													36	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.17**	**E:647220.3 N:263979.2**	**9** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
37.00-38.50								75% Polymer-Mud (Grey)				-34	37	
												-35		
								75% Polymer-Mud (Grey)					38	
38.50-40.00												-36		
								75% Polymer-Mud (Grey)					39	
												-37		
40.00-41.50													40	
												-38		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
41.50-43.00								75% Polymer-Mud (Grey)				-39	41	
43.00-44.50								75% Polymer-Mud (Grey)				-40	42	
44.50-46.00								75% Polymer-Mud (Grey)				-41	43	
												-42	44	
													45	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**11** of **27**

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
								75% Polymer-Mud (Grey)				-43		
46.00-47.50								80% Polymer-Mud (Grey)				-44	46	
47.50-49.00								80% Polymer-Mud (Grey)				-45	47	
49.00-50.50												-46	48	
												-47	49	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: 1

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**12** of **27**

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
50.50-52.00								80% Polymer-Mud (Grey)				-48	50	
52.00-53.50								80% Polymer-Mud (Grey)				-49	51	
53.50-55.00								80% Polymer-Mud (Grey)				-50	52	
												-51	53	
													54	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.17**	**E:647220.3 N:263979.2**	**13** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
55.00-56.50								80% Polymer-Mud (Grey)				-52 -53 -54 -55 -56	55 56 57 58	
56.50-57.75								80% Polymer-Mud (Grey)						
57.75-60.25								80% Polymer-Mud (Grey)						

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.17**	**E:647220.3 N:263979.2**	**14** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
60.25-61.75								80% Polymer-Mud (Grey)				-57	59	
												-58	60	
													(118.80)	
												-59	61	
61.75-62.45								80% Polymer-Mud (Grey)				-60	62	
62.45-63.50								80% Polymer-Mud (Grey)					63	

1

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.17**	**E:647220.3 N:263979.2**	**15** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
63.50-65.00								80% Polymer-Mud (Grey)				-61	64	
												-62		
65.00-66.50								80% Polymer-Mud (Grey)				-63	65	
												-64	66	
66.50-68.00								80% Polymer-Mud (Grey)				-65	67	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
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Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**16** of **27**

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
68.00-69.50								80% Polymer-Mud (Grey)				-66	68	
69.50-71.00								80% Polymer-Mud (Grey)				-67	69	
71.00-72.50								80% Polymer-Mud (Grey)				-68	70	
												-69	71	
													72	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale:

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**17** of **27**

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
72.50-74.00								80% Polymer-Mud (Grey)				-70	73	
												-71		
74.00-75.50								80% Polymer-Mud (Grey)				-72	74	
												-73	75	
75.50-77.00								80% Polymer-Mud (Grey)				-74	76	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Che By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**18** of **27**

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
77.00-78.50								80% Polymer-Mud (Grey)				-75	77	
78.50-80.00								80% Polymer-Mud (Grey)				-76	78	
80.00-81.50								80% Polymer-Mud (Grey)				-77	79	
												-78	80	
													81	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.17**	**E:647220.3 N:263979.2**	**19** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
81.50-83.00								80% Polymer-Mud (Grey)				-79 / -80	82	
83.00-84.50								75% Polymer-Mud (Grey)				-81 / -82	83 / 84	
84.50-85.55								75% Polymer-Mud (Grey)				-83	85	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.17**	**E:647220.3 N:263979.2**	**20** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
85.55-87.05								75% Polymer-Mud (Grey)				-84	86	
87.05-88.55								75% Polymer-Mud (Grey)				-85	87	
88.55-90.05								75% Polymer-Mud (Grey)				-86	88	
												-87	89	
													90	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.17**	**E:647220.3 N:263979.2**	**21** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
90.05-91.55								75% Polymer-Mud (Grey)				-88	91	
91.55-93.05								75% Polymer-Mud (Grey)				-90	92	
93.05-94.55								75% Polymer-Mud (Grey)				-92	93	
													94	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: 1

Method Used:	Plant Used:	Drilled By:	Logged By:	C B
Trial Pit/trench + Rotary Cored	Hand tools + Massenza M.I.12	Adrian Hopwood	ADenham	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**22** of **27**

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
94.55-96.05								75% Polymer-Mud (Grey)				-93	95	
96.05-97.55								75% Polymer-Mud (Grey)				-94	96	
97.55-99.05								75% Polymer-Mud (Grey)				-95	97	
												-96	98	
													99	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**23** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
99.05-99.80								70% Polymer-Mud (Grey)				-97		
99.80-100.50								70% Polymer-Mud (Grey)				-98	100	
100.50-102.00								70% Polymer-Mud (Grey)				-99	101	
102.00-103.50								60% Polymer-Mud (Grey)				-100	102	
												-101	103	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: 1:[redacted]

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.17**	**E:647220.3 N:263979.2**	**24** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
103.50-105.00								60% Polymer-Mud (Grey)				-102	104	
105.00-106.50								60% Polymer-Mud (Grey)				-103	105	
106.50-108.00								60% Polymer-Mud (Grey)				-104	106	
												-105	107	
													108	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**2.17**	**E:647220.3 N:263979.2**	**25** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
108.00-109.50								60% Polymer-Mud (Grey)				-106	109	
												-107		
109.50-111.00								60% Polymer-Mud (Grey)				-108	110	
111.00-112.50								60% Polymer-Mud (Grey)				-109	111	
												-110	112	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: 1:[redacted]

Method Used:	Plant Used:	Drilled By:	Logged By:	C B
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.17**	**E:647220.3 N:263979.2**	**26** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
112.50-114.00								60% Polymer-Mud (Grey)				-111	113	
114.00-115.50								60% Polymer-Mud (Grey)				-112	114	
												-113	115	
115.50-117.00								60% Polymer-Mud (Grey)				-114	116	
													117	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	C… B…
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_1**

Contract Ref:	Start: **13.08.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.17**	**E:647220.3 N:263979.2**	**27** of **27**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
117.00-118.50								60% Polymer-Mud (Grey)				-115	118	
												-116		
118.50-120.00								60% Polymer-Mud (Grey)				-117	119	
											Borehole terminated at 120.00m depth.	-117.83	120.00	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Adrian Hopwood**	**ADenham**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**1** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
0.00-0.20	1	B									MADE GROUND: grass over light reddish brown sandy silty GRAVEL. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium of limestone (aggregate). (MADE GROUND)			0	
0.10	101	ES	1xT, 2xJ, 1xV								. . . 0.00-0.20m: geomembrane.		1.50	0.20	
0.10	WAC1	ES	1xT, 1xJ, 1xV								MADE GROUND: light yellowish brown slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint and sandstone. (MADE GROUND)			(0.70)	
0.10		PID	0.5ppm											1	
0.20-0.90	2	B											0.80	0.90	
0.30	102	ES	1xT, 2xJ, 1xV												
0.30		PID	0.5ppm												
0.50	103	ES	1xT, 2xJ, 1xV												
0.50	WAC2	ES	1xT, 1xJ, 1xV												
0.50		PID	0.3ppm												
0.90-1.20	3	B									MADE GROUND: dark greyish brown slightly gravelly silty fine to coarse SAND. Gravel is subangular fine to medium of flint. Frequent shells. Slight sulphurous odour. (MADE GROUND)			1	
1.00	104	ES	1xT, 2xJ, 1xV												
1.00	WAC3	ES	1xT, 1xJ, 1xV												
1.00		PID	0.0ppm												
1.20-1.80															
1.30	105	ES	1xT+2xJ+1xV	100	0	0		100% Water (Brown)							
1.80-2.55														0 (1.65)	
1.80	WAC4	ES	1xT+1xJ+1xV	93	0	0		100% Water (Brown)						2	
													-0.85	2.55	
2.55-2.95				65	0	0		100% Water (Brown)			. . . 2.51-2.55m:Assumed zone of core loss. MADE GROUND: multicoloured (greyish brown, light grey and black) slightly sandy subrounded to subangular fine to coarse GRAVEL of concrete and flint with a low cobble content. Sand is fine to medium. Cobbles are subrounded concrete. (MADE GROUND)			-1	
2.95-3.30				0	0	0		100% Water (Grey)			. . . 2.81-2.95m: Assumed zone of core loss. . . . 2.95-3.30m: open holed through concrete and rubble fill.			(1.00)	
3.30-4.05				33	0	0		50% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-1.85	3.55	
														-2	
														(0.50)	AZCL
													-2.35	4.05	
4.05-4.80											MADE GROUND: multicoloured (greyish brown, light grey and black) slightly sandy subrounded to subangular fine to coarse GRAVEL of concrete and flint with a low cobble content. Sand is fine to medium. Cobbles are subrounded concrete.		-2.41	4.11	
4.20	106	ES	1xT+2xJ+1xV	87	0	0								(0.58)	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

1. Services plan was consulted.
2. Location CAT and Genny scanned prior to excavation.
3. Hand dug inspection pit to 1.20m depth.
4. Borehole backfilled with concrete and upstanding cover from GL to 0.50m, bentonite pellets 0.50m - 5.50m, gravel filter 5.50m - 7.50m, bentonite pellets 7.50m - 8.50m and grout from 8.50m to 120m depth.
5. 50mm pipe installed. GL to 5.50m plain pipe. 5.50m to 7.50m slotted pipe.

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Che By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**2** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				87	0	0		10% Water (Dark grey)			(MADE GROUND) MADE GROUND: brown gravelly slightly calcareous fine to medium SAND. Gravel is subangular to rounded fine to coarse of aggregate, clinker, flint and mudstone with occasional fragments of metal and plastic and occasional shell fragments. (MADE GROUND)		-2.99	4.69	
4.80-5.55											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.41)	AZCL
5.00	107	ES	1xT+2xJ+1xV	59	0	0		10% Water (Dark grey)			Firm grey mottled black CLAY with very closely to closely spaced thickly laminated to thinly bedded black spongy pseudo-fibrous peat. (SUPERFICIAL DEPOSITS - CLAY) . . . 5.10-5.23m: thin bed of brownish black pseudo-fibrous peat . . . 5.43m: thick lamination of black pseudo-fibrous peat.		-3.40	5.10	
5.55-6.30				84	0	0		0% Water			Spongy black pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT) . . . 6.18-6.30m: Assumed zone of core loss.		-4.11	(0.71) 5.81	
6.30-7.80 6.30	WAC5	ES	1xT+1xJ+1xV												
7.00	108	ES	1xT+2xJ+1xV	100	0	0		0% Water					-6.10	(1.99) 7.80	
7.80-9.30				13	0	0		10% Water (Brown)			Minimal recovery (13%). Recovered as spongy black pseudo-fibrous PEAT and dark grey mottled black fine to medium SAND with rare pockets of black sandy silt (up to 3 x 50mm). (SUPERFICIAL DEPOSITS - PEAT/SAND)			(1.50)	MR/ AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**3** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				13	0	0							-7.60	9.30	MR / AZCL
9.30-10.05 9.30	109	ES	1xT+2xJ+1xV	40	0	0		10% Water (Brown)			Partial recovery (40%). Recovered as brown mottled black fine to medium SAND with rare pockets of black sandy silt (up to 4 x 45mm). (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-8.35	(0.75) 10.05	PR / AZCL
10.05-10.80 10.05-10.61	1	C		75	0	0		10% Water (Brown)			Not logged zone with sampling. Sample (C1) recovered between 10.05m - 10.61m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) . . . 10.61-10.80m: Assumed zone of core loss.		-9.10	(0.75) 10.80	NLZS
10.80-11.55 10.80-11.52	2	C		96	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C2) recovered between 10.80m - 11.55m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-9.85	(0.75) 11.55	NLZS
11.55-12.30 11.55-12.23	3	C		91	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C3) recovered between 11.55m - 12.23m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) . . . 12.23-12.30m:Assumed zone of core loss.		-10.60	(0.75) 12.30	NLZS
12.30-13.05 12.30-12.70	4	C		53	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling.Sample (C4) recovered between 12.30m - 12.80m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-11.10	(0.50) 12.80	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-11.35	13.05	AZCL
13.05-13.80 13.05-13.66	5	C		81	0	0					Not logged zone with sampling. Sample (C5) recovered between 13.05m - 13.66m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)				NLZS

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Chec By:

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**4** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				81	0	0		100% Polymer-Mud (Grey)			. . . 13.66-13.80m: Assumed zone of core loss.		-12.10	(0.75) 13.80	NLZS
13.80-14.55 13.80-14.46	6	C		88	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C6) recovered between 13.80m - 14.46m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) . . . 14.46-14.55: Assumed zone of core loss.		-12.85	(0.75) 14.55	NLZS
14.55-15.30 14.55-15.18	7	C		84	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C7) recovered between 14.55m - 15.18m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) . . . 15.18-15.30m: Assumed zone of core loss..		-13.60	(0.75) 15.30	NLZS
15.30-16.05 15.30-16.05	8	C		100	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C8) recovered between 15.30m - 16.05m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-14.35	(0.75) 16.05	NLZS
16.05-16.80 16.05-16.80	9	C		100	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C9) recovered between 16.05m - 16.80m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-15.10	(0.75) 16.80	NLZS
16.80-18.30 16.80-17.10	10	C		20	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C10) recovered between 16.80m - 17.10m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-15.40 -16	(0.30) 17.10 (1.20)	NLZS AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Ch By: [redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**5** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				20	0	0								18	AZCL
18.30-19.05													-16.60	18.30	
18.30-18.83	11	C		71	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C11) recovered between 18.30m - 18.83m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-17	(0.53)	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-17.13	18.83	AZCL
19.05-19.80													-17.35	19.05	
19.05-19.55	12	C		67	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C12) recovered between 19.05m -19.55m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-17.85	(0.50)	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-18	19.55	AZCL
19.80-20.55													-18.10	19.80	
19.80-20.30	13	C		67	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C13) recovered between 19.80m - 20.30m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-18.60	(0.50)	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-18.85	20.30	AZCL
20.55-21.30													-19	20.55	
20.55-21.30	14	C		100	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C14) recovered between 20.55m - 21.30m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-19.60	(0.75) 21.30	NLZS
21.30-22.80													-20		
21.30	110	ES	1xT+1xJ+1xV	18	0	0		100% Polymer-Mud (Grey)			Minimal recovery (18%). Recovered as dark bluish grey calcareous fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))			(1.50) 22.80	MR / AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**6** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				18	0	0							-21		MR / AZCL
22.80-23.55				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-21.10	22.80 23 (0.75)	AZCL
23.55-24.30				27	0	0		100% Polymer-Mud (Grey)			Partial recovery (27%). Recovered as greyish brown slightly gravelly calcareous fine to medium SAND with frequent coarse sand to fine gravel sized comminuted shells. Gravel is subangular fine to medium claystone and flint. (RED CRAG FORMATION (UNDIFFERENTIATED))		-21.85 -22	23.55 (0.75) 24	PR / AZCL
24.30-25.05				36	0	0		100% Polymer-Mud (Grey)			Partial recovery (36%). Recovered as greyish brown mottled bluish grey slightly gravelly calcareous fine to medium SAND with occasional coarse sand to fine gravel sized comminuted shells. Gravel is subangular fine to medium of flint. (RED CRAG FORMATION (UNDIFFERENTIATED))		-22.60 -23	24.30 (0.75) 25	PR / AZCL
25.05-25.80													-23.35	25.05	
25.05-25.62	15	C		76	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C15) recovered between 25.05m - 25.62m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) . . . 25.62-25.80m: Assumed zone of core loss.		-24	(0.75)	NLZS
25.80-26.55													-24.10	25.80	
25.80-26.12	16	C		43	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C16) recovered between 25.80m- 26.12m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-24.42	(0.32) 26.12	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-24.85	(0.43) 26.55	AZCL
26.55-27.30															
26.55-27.03	17	C		64	0	0					Not logged zone with sampling. Sample (C17) recovered between 26.55m - 27.03m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-25	(0.48)	NLZS

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Che By: [redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**7** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
								100% Polymer-Mud (Grey)					-25.33	27.03	NLZS
				64	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-25.60	27.30	AZCL
27.30-28.05				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-26	(0.75) 28.05	AZCL
28.05-28.80				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-27 -27.10	(0.75) 28.80	AZCL
28.80-29.55															
28.80-29.36	18	C		75	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C18) recovered between 28.80m - 29.36m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) . . . 29.36-29.55m:Assumed zone of core loss.		-27.85	29 (0.75) 29.55	NLZS
29.55-30.30															
29.55-30.18	19	C		84	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C19) recovered between 29.55m - 30.18m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) . . . 30.18-30.30m: Assumed zone of core loss.		-28 -28.60	(0.75) 30 30.30	NLZS
30.30-31.05															
30.30-30.78	20	C		64	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C20) recovered between 30.30m - 30.78m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-29 -29.08	(0.48) 30.78	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-29.35	31.05	AZCL
31.05-31.80															
31.05-31.60	21	C		73	0	0					Not logged zone with sampling. Sample (C21) recovered between 31.05m - 31.60m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.55)	NLZS

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Che By:

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**8** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				73	0	0		100% Polymer-Mud (Grey)					-29.90	31.60	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-30 -30.10	31.80	AZCL
31.80-32.55											Not logged zone with sampling. Sample (C22) recovered between 31.50m - 32.43m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			32	
31.80-32.43	22	C		84	0	0		100% Polymer-Mud (Grey)						(0.75)	NLZS
											. . . 32.43-32.55m: Assumed zone of core loss.		-30.85	32.55	
32.55-33.30											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-31	(0.75)	AZCL
				0	0	0		100% Polymer-Mud (Grey)						33	
33.30-34.05													-31.60	33.30	
33.30-33.62	23	C									Not logged zone with sampling. Sample (C23) recovered between 33.30m - 33.62m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.32)	NLZS
				43	0	0		100% Polymer-Mud (Grey)					-31.92	33.62	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-32	(0.43)	AZCL
34.05-34.80													-32.35	34.05	
											Minimal recovery (13%). Recovered as dark bluish grey calcareous fine to medium SAND with frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))			(0.75)	MR / AZCL
				13	0	0		100% Polymer-Mud (Grey)					-33 -33.10	34.80	
34.80-35.55											Not logged zone with sampling. Sample (C24) recovered between 34.80m - 35.31m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			35	
34.80-35.31	24	C		68	0	0		100% Polymer-Mud (Grey)						(0.51)	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-33.61	35.31	AZCL
35.55-36.30													-33.85	35.55	
35.55-36.30	25	C									Not logged zone with sampling. Sample (C25) recovered between 35.55m - 36.30m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-34		NLZS
				100	0	0									

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**9** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0		100% Polymer-Mud (Grey)					-34.60	(0.75) 36.30	NLZS
36.30-37.80				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-35 -36 -36.10	(1.50) 37.80	AZCL
37.80-38.55				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-36.85	38 (0.75) 38.55	AZCL
38.55-39.30				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-37 -37.60	(0.75) 39 39.30	AZCL
39.30-40.05															
39.30-39.92	26	C		83	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C26) recovered between 39.30m - 39.92m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-38	(0.75)	NLZS
											. . . 39.92-40.05m: Assumed zone of core loss.		-38.35	40.05	
40.05-40.80				0	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	C B [redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**10** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				0	0	0		100% Polymer-Mud (Grey)					-39	(0.75)	AZCL
39.10														40.80	
40.80-41.55				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			41 (0.75)	AZCL
39.85														41.55	
41.55-42.30				29	0	0		100% Polymer-Mud (Grey)			Partial recovery (29%). Recovered as dark bluish grey calcareous fine to coarse SAND with frequent coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-40	(0.75) 42	PR / AZCL
40.60														42.30	
42.30-43.05				11	0	0		100% Polymer-Mud (Brown)			Minimal recovery (11%). Recovered as black subangular to subrounded fine to coarse GRAVEL of flint with rare coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-41	(0.75)	MR / AZCL
41.35														43.05	
43.05-43.80				51	0	0		100% Polymer-Mud (Brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.33)	AZCL
41.68														43.38	
41.72											Very stiff extremely closely fissured thinly laminated dark grey slightly sandy very micaceous glauconitic silty CLAY with medium spaced thick laminae to thin beds of very stiff dark grey volcaniclastic silty clay. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)			43.42	
43.70	111	ES	1xT+2xJ+2xV										-42	(0.38)	AZCL
43.80-44.50														43.80	
43.83-44.33	27	C		100	0	0		100% Polymer-Mud (Brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS) Very stiff extremely closely fissured thinly laminated dark grey slightly sandy very micaceous glauconitic silty CLAY with medium spaced thick laminae to thin beds of very stiff dark grey volcaniclastic silty clay. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)			44 (0.70)	
44.25-44.50	28	C													
42.80														44.50	
44.50-45.00				62	0	0		100% Polymer-Mud (Grey)			. . . 44.33-44.42m: stiff dark grey locally bioturbated volcaniclastic silty clay. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt. . . . 44.49-44.50m: stiff dark grey volcaniclastic silty clay.		-43		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**11** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
45.00-46.50				62	0	0		100% Polymer-Mud (Grey)			Very stiff extremely closely fissured thinly laminated dark grey slightly sandy very micaceous glauconitic silty CLAY with medium spaced thick laminae to thin beds of very stiff dark grey volcaniclastic silty clay. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)			45	
45.08-45.33	29	C									. . . 44.50-44.59m: very thin bed of grey fine to coarse sand with frequent fine gravel sized comminuted shells.			(1.89)	
											. . . 44.69-44.75m: occasional black rounded fine to coarse gravel of flint.		-44		
				100	0	0					. . . 44.82-45.00m: Assumed zone of core loss. . . . 44.39-44.40m: dark grey bioturbated volcaniclastic silty clay. Burrows are subhorizontal up to 1 x 5mm infilled with grey silt.			46	
46.09-46.24	30	C									. . . 45.46-45.50m: very stiff dark grey volcaniclastic silty clay.				
											. . . 45.57-45.59m: very stiff dark grey volcaniclastic silty clay.				
											. . . 46.05-46.07m: very stiff dark grey bioturbated volcaniclastic silty clay. Burrows are subhorizontal up to 1 x 4mm infilled with grey silt.		-44.69	46.39	
46.50-48.00											. . . 46.27-46.35m: steeply inclined fissure: 73° planar rough polished. . . . 46.28-46.35m: steeply inclined fissure: 83° planar rough polished.		-44.89	46.59	
46.84-47.04	T1	C									Very strong thinly bedded grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-45		
											Very stiff extremely closely fissured thinly laminated grey dark grey slightly sandy very micaceous glauconitic silty CLAY with medium spaced thick laminae to thin beds of very stiff to very weak dark grey volcaniclastic silty clay/claystone. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)			47	
				100	0	0		100% Polymer-Mud (Grey)			. . . 46.59-46.62m: very weak dark grey volcaniclastic claystone.			(1.97)	
47.32-47.56	T2	C									. . . 47.12-47.21m: very stiff dark grey bioturbated volcaniclastic silty clay. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt.		-46		
47.70-47.94	T3	C									. . . 47.25-47.28m: very stiff dark grey volcaniclastic silty clay.			48	
48.00-49.50											. . . 47.30-47.32m: very stiff dark grey bioturbated volcaniclastic silty clay. Burrows are subhorizontal up to 1 x 5mm infilled with grey silt.				
48.22-48.42	T4	C									. . . 47.48-47.49m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal two up to 1 x 4mm infilled with grey silt.		-46.86	48.56	
48.56-48.71	31	C									Very strong grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-47.01	48.71	
				100	0	0		100% Polymer-Mud (Grey)			Very stiff extremely closely fissured thinly laminated dark grey slightly sandy very micaceous glauconitic silty CLAY with widely spaced very thin beds of very stiff dark grey volcaniclastic silty clay. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)			49	
48.83-49.15	32	C													
49.17-49.34	33	C													

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**12** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
49.50-51.00				100	0	0		100% Polymer-Mud (Grey)			. . . 49.46-49.50m: very stiff dark grey volcaniclastic silty clay. . . . 49.63-49.92m: steeply inclined fissure: 70° planar rough polished.		-48	(1.53)	
49.97-50.23	34	C									. . . 49.95-49.97m: very stiff dark grey volcaniclastic silty clay.			50	
				100	0	0							-48.54	50.24	
											Very strong grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-48.64	50.34	
50.65-51.00	35	C									Very stiff extremely closely fissured thinly laminated dark grey slightly sandy very micaceous glauconitic silty CLAY with medium spaced very thin beds of very stiff dark grey volcaniclastic silty clay. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)		-49		
51.00-51.30														51	
				100	0	0					. . . 51.09-51.12m: very stiff dark grey volcaniclastic silty clay. . . . 51.19-51.23m: very stiff dark grey bioturbated volcaniclastic silty clay. Burrows are subhorizontal up to 1 x 5mm infilled with grey silt. . . . 51.35-51.40m: very stiff dark grey bioturbated volcaniclastic silty clay. Burrows are subhorizontal two up to 1 x 6mm infilled with grey silt.				
51.30-52.80													-50	(3.16)	
51.40-51.72	36	C												52	
51.72-52.20	37	C													
				100	0	0		100% Polymer-Mud (Grey)							
52.48-52.75	38	C											-51		
52.80-54.30														53	
53.02-53.23	39	C													
				58	0	0		100% Polymer-Mud (Grey)							
53.42-53.67	40	C											-51.80	53.50	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-52		AZCL
														(0.80)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale:

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**13** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				58	0	0								54	AZCL
54.30-55.05													-52.60	54.30	
54.42-54.65	41	C		100	0	0		100% Polymer-Mud (Grey)			Very stiff extremely closely fissured thinly laminated dark grey slightly sandy very micaceous glauconitic silty CLAY with medium spaced very thin beds of very stiff dark grey volcaniclastic silty clay. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, ORWELL MEMBER)		-52.95	(0.35) 54.65	
55.05-55.80											Very stiff extremely closely fissured thinly laminated slightly bioturbated grey micaceous glauconitic silty CLAY with extremely closely to very closely spaced light grey silt partings. Fissures are randomly orientated planar smooth or rough matt, striated or polished. Burrows are subhorizontal infilled with grey silt up to 1 x 18mm. (HARWICH FORMATION, ORWELL MEMBER) . . . 54.75m: framboidal pyrite nodule. . . . 54.98-55.03m: moderately inclined fissure: 61° planar smooth, striated and polished.		-53 -53.47	(0.52) 55 55.17	
55.17-55.43	41A	C											-53.73	55.43	NLZS
55.48-55.63	42	C		100	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample C41A recovered 55.17-55.43m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-53.78 -53.93	55.48 55.63	NLZS
55.63-55.80	43	C											-54 -54.10	55.80	NLZS
55.80-57.30											Very stiff extremely closely fissured thinly laminated slightly bioturbated grey micaceous glauconitic silty CLAY with extremely closely to very closely spaced light grey silt partings. Fissures are randomly orientated planar smooth or rough matt, striated or polished. Burrows are subhorizontal infilled with grey silt up to 1 x 18mm. (HARWICH FORMATION, ORWELL MEMBER)		-54.43	(0.33) 56 56.13	
56.13-56.43	44	C									Not logged zone with sampling. Sample (C42) recovered between 55.48-55.63m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-54.73	(0.30) 56.43	NLZS
				100	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Sample (C43) recovered between 55.63-55.80m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) Firm locally laminated dark grey slightly sandy glauconitic micaceous SILT. Sand is fine. (HARWICH FORMATION, ORWELL MEMBER) . . . 55.80-55.97m: silty clay. . . . 56.01-56.03m: medium gravel sized well rounded flint.		-55	57	
57.02-57.22	45	C									Not logged zone with sampling. Sample (C44) recovered between 56.13-56.43m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(1.80)	
57.30-58.80				62	0	0		100% Polymer-Mud (Grey)			Stiff yellowish brown mottled bluish grey slightly sandy calcareous CLAY. Sand is fine. With occasional calcareous claystones up to 20mm. (READING FORMATION) . . . 56.66-56.68m: medium gravel sized well rounded flint. . . . 57.22-57.24m: very weak grey calcareous claystone. . . . 57.34m: very weak grey calcareous claystone. . . . 57.65m: very weak grey calcareous claystone.		-56	58	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-56.53	58.23	AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**14** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				62	0	0							-57	(0.57)	AZCL
58.80-59.55								100% Polymer-Mud (Grey)			Stiff yellowish brown mottled bluish grey slightly sandy calcareous CLAY. Sand is fine. With occasional calcareous claystones up to 20mm. (HARWICH FORMATION, ORWELL MEMBER)		-57.10	58.80	
59.02-59.33	46	C		100	0	0								59 (0.75)	
59.33-59.60	47	C											-57.85	59.55	
59.55-60.30								100% Polymer-Mud (Grey)			Firm thickly laminated to very thinly bedded yellowish brown and bluish grey slightly sandy micaceous SILT. Sand is fine. (READING FORMATION)		-58		
59.64-60.20	48	C		93	0	0								60	
60.30-61.80				81	0	0		100% Polymer-Mud (Grey)			. . . 60.22-60.30m:Assumed zone of core loss. . . . 61.32-61.51m: relatively more sandy.		-59	(1.95) 61	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-59.80	61.50	
													-60	(0.30)	AZCL
61.80-62.55				23	0	0		100% Polymer-Mud (Grey)			Minimal recovery (23%). Recovered as very stiff thinly laminated extremely closely to closely fissured greyish brown slightly bioturbated slightly calcareous micaceous CLAY with closely to medium spaced partings of light grey silt. Fissures are randomly oriented planar smooth or rough matt, striated or polished. Burrows are subhorizontal infilled with grey silt up to 8 x 62mm. (READING FORMATION)		-60.10	61.80	
62.55-63.30														62 (0.75)	MR / AZCL
62.55-62.79	49	C		32	0	0					Not logged zone with sampling. Sample (C49) recovered between 62.55-62.79m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-60.85	62.55	
													-61		NLZS
											Description on next sheet		-61.09	62.79	
															AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:2**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Ch By:

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**15** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				32	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.59) 63.59	AZCL
63.30-64.05				100	0	0		100% Polymer-Mud (Grey)			Very stiff thinly laminated extremely closely to closely fissured greyish brown slightly bioturbated slightly calcareous micaceous CLAY with closely to medium spaced partings of light grey silt. Fissures are randomly oriented planar smooth or rough matt, striated or polished. Burrows are subhorizontal infilled with grey silt up to 8 x 62mm. (READING FORMATION)		-61.60	63.30	
64.05-64.80				100	0	0		100% Polymer-Mud (Grey)			. . . 64.05-64.09m: moderately inclined fissure: 41° planar smooth, striated and polished.		-62	(1.17) 64	
64.47-64.80	50	C									Not logged zone with sampling. Sample (C50) recovered between 64.47-64.80m in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-62.77	64.47	
64.80-66.30				91	0	0		100% Polymer-Mud (Grey)			Very stiff thinly laminated extremely closely to closely fissured greyish brown slightly bioturbated slightly calcareous micaceous CLAY with closely to medium spaced partings of light grey silt. Fissures are randomly oriented planar smooth or rough matt, striated or polished. Burrows are subhorizontal infilled with grey silt up to 8 x 62mm. (READING FORMATION)		-63	(0.33) 64.80	NLZS
65.16-66.16	51	C									Greyish brown slightly calcareous fine to medium SAND. (READING FORMATION)		-63.10	64.91	
66.30-67.05											. . . 66.16-66.30m: Assumed zone of core loss.		-64	(2.14) 66	
66.30-66.87	52	C		84	0	0		100% Polymer-Mud (Brown)			. . . 66.93-67.05m: Assumed zone of core loss.		-65		
67.05-67.80				27	0	0					Partial recovery (27%). Recovered as greyish brown slightly calcareous fine to medium SAND. (READING FORMATION)		-65.35	67.05 67	PR/ AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale:

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**16** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				27	0	0		100% Polymer-Mud (Brown)					-66	(0.75)	PR / AZCL
67.80-68.55													-66.10	67.80	
67.80-68.55	52A	C						100% Polymer-Mud (Brown)			Greyish brown slightly calcareous fine to medium SAND. (READING FORMATION)				
				100	0	0								68	
68.55-69.30													-67		
68.55-69.30	53	C						100% Polymer-Mud (Brown)						69	
				100	0	0									
69.30-70.80													-68		
69.80-70.80	54	C						100% Polymer-Mud (Brown)						70	
				100	0	0								(4.83)	
70.80-72.30													-69		
								100% Polymer-Mud (Brown)						71	
71.30-72.30	55	C		100	0	0							-70		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**17** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0								72	
72.30-72.80								100% Polymer-Mud (Brown)					-70.93	-72.63	
				100	0	0					Very stiff very closely to closely spaced fissured dark greyish brown slightly bioturbated glauconitic micaceous silty CLAY with closely to medium spaced partings of light grey silty fine sand. Fissures are randomly orientated planar smooth and rough matt striated or polished (mostly polished). Burrows are subhorizontal infilled with grey silt up to 3 x33m. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-71		
72.80-73.80														73	
73.08-73.29	T5	C												(1.17)	
				90	0	0		100% Polymer-Mud (Grey)							
73.48-73.68	56	C													
											. . . 73.70-73.80m: Assumed zone of core loss.		-72		
73.80-75.30													-72.10	73.80	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-72.30	74.00	AZCL
											Very stiff very closely to closely spaced fissured dark greyish brown slightly bioturbated glauconitic micaceous silty CLAY with closely to medium spaced partings of light grey silty fine sand. Fissures are randomly orientated planar smooth and rough matt striated or polished (mostly polished). Burrows are subhorizontal infilled with grey silt up to 3 x33m. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)				
74.36-74.55	57	C												74	
				94	0	0		100% Polymer-Mud (Grey)					-73		
75.09-75.30	T6	C												75	
											. . . 75.21-75.30m: Assumed zone of core loss.				
75.30-76.80													-74		
				100	0	0		100% Polymer-Mud (Grey)						76	
											. . . 76.11-76.15m: moderately inclined fissure 56° planar smooth, striated and polished. . . . 76.15-76.68m: near vertical fissure 82° planar smooth and matt.				

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**18** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0		100% Polymer-Mud (Grey)					-75	(5.40)	
76.80-78.30											. . . 76.80-76.98m: relatively more silty.			77	
				100	0	0					. . . 77.48-78.30m: slightly calcareous.		-76		
											. . . 77.71-77.96m: near vertical fissure 89° planar smooth and matt.			78	
78.07-78.25	58	C													
78.30-79.80								100% Polymer-Mud (Grey)					-77		
78.95-79.16	59	C		100	0	0								79	
79.16-79.40	T7	C											-77.70	79.40	
79.56-79.80	T8	C									Very stiff extremely closely to very closely spaced fissured dark reddish brown slightly bioturbated micaceous CLAY. Fissures are randomly orientated planar smooth and rough matt or polished. Burrows are subhorizontal infilled with grey silt up to 2 x 19m. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)		-78		
79.80-81.30														80	
79.89-80.09	60	C		100	16	11		100% Polymer-Mud (Grey)					-79	(1.36)	
													-79.06	80.76	
											Dark blackish green glauconitic gravelly clayey SILT. Gravel is subangular to subrounded fine to coarse of			(0.30)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Ch By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**19** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
											flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1)		-79.36	81.06 (81)	
				100	16	11					Very weak medium density closely jointed (NI/126/500) white burrow mottled light grey CHALK. Bedding fractures: 2-10° medium spaced (NI/357/555) planar or undulating rough clean. Gently inclined joints: 11-29° medium spaced (40/239/620) planar or undulating rough generally clean locally rare black specks, unstained no infill. Moderately inclined joints: 36-51° widely spaced (445/733/1035) planar or striated rough clean or with rare black specks, unstained no infill. Subvertical joints: 89° planar rough with rare black specks, unstained no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER) . . . 81.15m: echinoid shell fragment. . . . 81.52-81.57m: flint band. Fine to medium gravel of nodular flint with thin cortexes. . . . 81.65-81.66m: green glauconitic staining.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	-80		
81.30-82.80															
81.77-82.12	61	C						100% Polymer-Mud (Light grey)							
				100	100	97								82 (2.14)	
82.23-82.58	62	C													
82.80-84.30											. . . 82.80-82.99m: non intact.		-81		
													-81.50	83.20 (1.61)	
83.59-84.11	63	C		93	80	75		100% Polymer-Mud (Light grey)			Weak to strong high to very high density medium jointed (NI/322/1260) white burrow mottled light grey CHALK hardground with abundant fossil fragments with phosphatic veneer, occasional black stained sponge beds and locally green glauconite-staining. Bedding fractures: 6-9° medium spaced (20/537/1295) planar rough clean. Subvertical joints: 86-88° medium spaced (220-572/1260) planar or undulating rough with rare black specks, unstained no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER) . . . 83.21m: belemnite shell fragment (10 x 30mm). . . . 84.19-84.30m: Assumed zone of core loss.		-82		
84.30-85.80												18 19 20 21	-83	84	
				100	67	43							-83.11	84.81	
											Very weak medium density medium jointed (NI/279/3475) white burrow mottled light grey CHALK. Bedding fractures: 1-10° medium spaced (20/473/3050) planar or undulating rough clean or with rare black specks, unstained no infill. Gently inclined joints: 11-29° widely spaced (55/1145/7225) planar or undulating rough clean or with rare black specks, unstained no infill. Moderately inclined joints:	22 23		85	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Ch By: [redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**20** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
85.80-87.30				100	67	43		100% Polymer-Mud (Light grey)			38-58° very widely spaced (15/4465/20830) planar or undulating or stepped clean. Steeply inclined joints: 61-80° very widely spaced (40/1871/6970) planar or undulating or stepped rough clean or with rare black specks, unstained, no infill. Subvertical joints: 81-90° very widely spaced (0/1273/7550/) planar or undulating or stepped rough clean or with rare black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER)	247 25 26 27 28 29	-84	86	
85.80-86.29	64	C									. . . 84.83m: belemnite shell fragment (11 x 33m). . . . 84.96-85.33m: non intact . . . 85.53-m: flint band. Fine to medium gravel sized nodular flint with thin cortexes. . . . 85.72-85.80m:non intact . . . 85.99-86.03m: black-stained sponge bed.	30			
86.40-86.65	65	C		100	100	92						31	-85	87	
86.65-87.18	66	C										32 33 34			
87.30-88.80				100	100	100		100% Polymer-Mud (Light grey)			. . . 87.43-87.44m: green glauconitic staining. . . . 87.57m: green glauconitic staining.	35	-86	88	
88.80-90.30				97	97	83		100% Polymer-Mud (Light grey)			. . . 88.91-88.92m belemnite shell fragment (10 x 19mm).	36 37 38 39 40	-87 -88	89 (9.99)	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**21** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				97	97	83		100% Polymer-Mud (Light grey)						90	
90.30-91.80				100	100	100					. . . 90.26-90.30m: Assumed zone of core loss. . . . 90.30-90.32m: black-stained sponge bed. . . . 90.89-90.96m: flint band. Fine to medium gravel size nodular flint with thin cortexes.	41	-89	91	
91.80-93.30				87	82	75		100% Polymer-Mud (Light grey)			. . . 91.80-92.09: flint band. Fine to medium gravel size fragments of nodular flint with thin to thick cortexes. . . . 92.92-92.93m: black-stained sponge bed. . . . 92.03-92.25m: non intact. . . . 93.10-93.30m: Assumed zone of core loss.	42 43 44 45 46 47	-90 -91	92 93	
93.30-94.80 93.30-93.80	67	C						100% Polymer-Mud (Light grey)					-92		
93.80-94.12	68	C		100	100	100						48		94	
94.17-94.54	69	C									. . . 94.23-94.24m: black-stained sponge bed.	49			

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**22** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	100	100		100% Polymer-Mud (Light grey)				50	-93	-93.10 94.80	
94.80-96.30				19	19	15		100% Polymer-Mud (Light grey)			Minimal recovery (19%). Recovered as very weak medium density jointed white burrow mottled light grey CHALK. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER)	51	-94	(1.50)	MR / AZCL
96.30-97.05				100	49	41		100% Polymer-Mud (Light grey)			Very weak medium density medium jointed (NI/279/3475) white burrow mottled light grey CHALK. Bedding fractures: 1-10° medium spaced (20/473/3050) planar or undulating rough clean or with rare black specks, unstained no infill. Gently inclined joints: 11-29° widely spaced (55/1145/7225) planar or undulating rough clean or with rare black specks, unstained no infill. Moderately inclined joints: 38-58° very widely spaced (15/4465/20830) planar or undulating or stepped clean. Steeply inclined joints: 61-80° very widely spaced (40/1871/6970) planar or undulating or stepped rough clean or with rare black specks, unstained, no infill. Subvertical joints: 81-90° very widely spaced (0/1273/7550/) planar or undulating or stepped rough clean or with rare black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER)	52	-94.60	96.30	
97.05-97.80				100	79	69		100% Polymer-Mud (Light grey)			. . . 96.30-96.47m: thinned by drilling. . . . 96.35-96.38m: black-stained sponge bed. . . . 96.47-96.54m: flint band. Fine to medium gravel size nodular flint with thin cortexes. . . . 96.54-96.68m: non intact. . . . 97.11-97.27m: non intact. . . . 97.16-97.20m: flint band. Fine to medium gravel size nodular flint with thin cortexes. . . . 97.40-97.43m: black-stained sponge bed. . . . 97.44m: inoceramid bivalve shell fragment. . . . 97.76m: black-stained sponge bed. . . . 97.80-97.99m: Assumed zone of core loss. . . . 97.82-97.85m: flint band. Fine to medium gravel size nodular flint with thin cortexes. . . . 98.48m: black-stained sponge bed. . . . 98.50m: shell fragment.	53 54 55 56 57 58 59 60 61	-95 -96	97 98	
97.80-99.30				87	79	79		100% Polymer-Mud (Light grey)				62 63 64	-97		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Che By: [redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**23** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				87	79	79		100% Polymer-Mud (Light grey)				65		99	
99.30-100.80											. . . 99.39-99.32m: black-stained sponge bed.	66			
												67			
												69			
												70	-98		
												68		100	
				100	64	51									
											. . . 100.26-100.80m: non intact.	71			
											. . . 100.36-100.62m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.	72			
100.80-102.30													-99		
												73		101	
												74			
												75			
												76			
												77			
												78			
				100	100	79		100% Polymer-Mud (Light grey)				79			
												80	-100		
												81			
												82		102	
102.30-103.80											. . . 102.26-102.28m: black-stained sponge bed. . . . 102.30-102.47m: non intact.			(12.00)	
													-101		
				90	72	69		100% Polymer-Mud (Light grey)				85		103	
											. . . 103.13m: belemnite fragment (5 x 5mm).				
											. . . 102.25-103.27m: : black-stained sponge bed.	83			

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**24** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata
				90	72	69		100% Polymer-Mud (Light grey)			. . . 103.46-103.49m: black-stained sponge bed. . . . 103.55-103.65m: non intact. . . . 103.65-103.80m: Assumed zone of core loss.
103.80-105.30											. . . 103.80-103.85m: non intact.
				100	84	74					. . . 104.24-104.48m: non intact.
104.64-105.24	70	C									
105.30-106.80				100	80	70		100% Polymer-Mud (Light grey)			. . . 105.24-105.28m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.
106.26-106.50	71	C									
106.80-108.30				100	49	39		100% Polymer-Mud (Light grey)			. . . 107.24-107.89m: largely non intact.

Fracture Log: 86, 87, 88, 89, 90, 91, 92, 93, 95, 94, 84, 96, 97, 98, 99, 100, 101, 102, 103, 104

Reduced Level: -102, -103, -104, -105, -106

Depth (Thickness): 104, 105, 106, 107

Legend

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**25** of **63**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata
				100	49	39		100% Polymer-Mud (Light grey)			. . . 108.18-108.30m non intact.
108.30-109.80											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)
				50	37	31					
109.28-109.76	72	C									
109.80-111.30											Very weak medium density medium jointed (NI/279/3475) white burrow mottled light grey CHALK. Bedding fractures: 1-10° medium spaced (20/473/3050) planar or undulating rough clean or with rare black specks, unstained no infill. Gently inclined joints: 11-29° widely spaced (55/1145/7225) planar or undulating rough clean or with rare black specks, unstained no infill. Moderately inclined joints: 38-58° very widely spaced (15/4465/20830) planar or undulating or stepped clean. Steeply inclined joints: 61-80° very widely spaced (40/1871/6970) planar or undulating or stepped rough clean or with rare black specks, unstained, no infill. Subvertical joints: 81-90° very widely spaced (0/1273/7550/) planar or undulating or stepped rough clean or with rare black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER) . . . 109.10-109.28m: non intact. . . . 109.14-109.28m: flint band. Fine to medium gravel size fragments of nodular flint with thin and thick cortexes. . . . 109.76-109.80m: non intact. . . . 110.30-110.55m: non intact . . . 110. 61-110.62m: flint band. Fine gravel size fragment of spiky nodular flint with a thin cortex. . . . 110.90-111.13m non intact. . . . 110.98-111.02m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. . . . 111.13-111.30m: largely non intact.
				100	63	40					
111.30-112.80											. . . 111.81-112.24m: largely non intact . . . 112.06m: flint band. Fine gravel size fragment of nodular flint with thin cortexes. . . . 112.15-112.26m: shell fragment. *Description on next sheet*
				100	73	49					

Fracture Log: 106, 105, 107, 108, 109, 110, 111, 112, 114, 115, 113, 116, 117, 118, 121, 120, 119, 123, 122, 124, 125, 126

Reduced Level: 108, -106.60, -107, -107.35, -108, -109, -110

Depth (Thickness): 108, 108.30, (0.75), 109, 109.05, 110, 111, 112

Legend: AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Check By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio Geo 602**	**David Henderson**	**RAndrews + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	73	49					. . . 112.29-112.31m: flint band. Fine gravel size fragment of nodular flint with a thin cortex.	127			
											. . . 112.60-112.64m: black-stained sponge bed.	128	-111		
112.80-114.30											. . . 112.80-112.95m: non intact.			113	
												130			
												129			
											. . . 113.18-113.28m: black-stained sponge bed.	131			
												132			
												133			
												134			
				100	90	53							-112		
												135		114	
											. . . 114.19-114.26m: flint band. Medium gravel size fragment of finger flint with a thin cortex.	136			
114.30-115.80											. . . 114.30-114.36m: non intact.	137			
												138			
114.55-115.00	73	C										139		(11.25)	
													-113		
												140		115	
				93	89	30					. . . 115.00-115.70m: thinned by drilling.	142			
												143			
											. . . 115.13-115.17m: black-stained sponge bed.	141			
												144			
												145			
												146			
												147			
											. . . 115.45-115.56 flint band. Fine gravel size fragment of nodular flint with a thin cortex.	149			
											. . . 125.59m: shell fragment.	148			
												150			
											. . . 115.70-115.80m: Assumed zone of core loss.	151	-114		
115.80-117.30														116	
												152			
												153			
												154			
				100	80	31						155			
												156			
												157			
												158			
												159	-115		
												161			
												160			

100% Polymer-Mud (Light grey)

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:** [redacted]

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Ch By	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_2**

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Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instru-mentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
				100	80	31		100% Polymer-Mud (Light grey)			. . . 117.00-117.30m: non intact.	162 164 163 165 166 167 168 169	-116	117	
117.30-118.80				100	100	83					. . . 117.89-118.00m: flint band. Fine to medium gravel size fragments of nodular flint with thin to thick cortexes.	170 171		118	
118.30-118.80	74	C											-117		
118.80-120.30														119	
118.80-119.17	75	C		100	97	61		100% Polymer-Mud (Light grey)			. . . 119.38-119.47m: black-stained sponge bed. . . . 119.50-119.54m: non intact . . . 119.77-119.86m: black-stained sponge bed.	172 173 175 174 176 177 178	-118	120	
											Borehole terminated at 120.30m depth.		-118.60	120.30	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Chec By:	[redacted]

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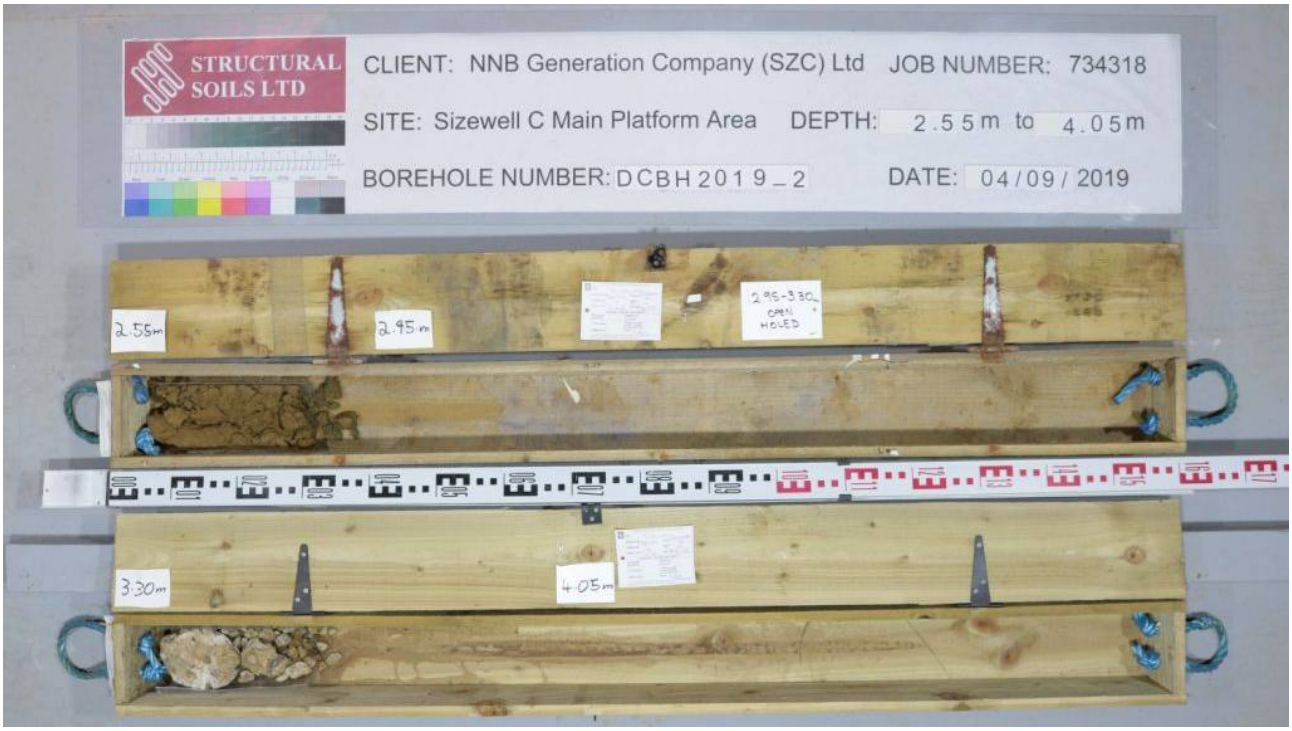
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 1.20m - 2.55m depth.





DCBH2019_2 2.55m - 4.05m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Ch By:	[redacted]

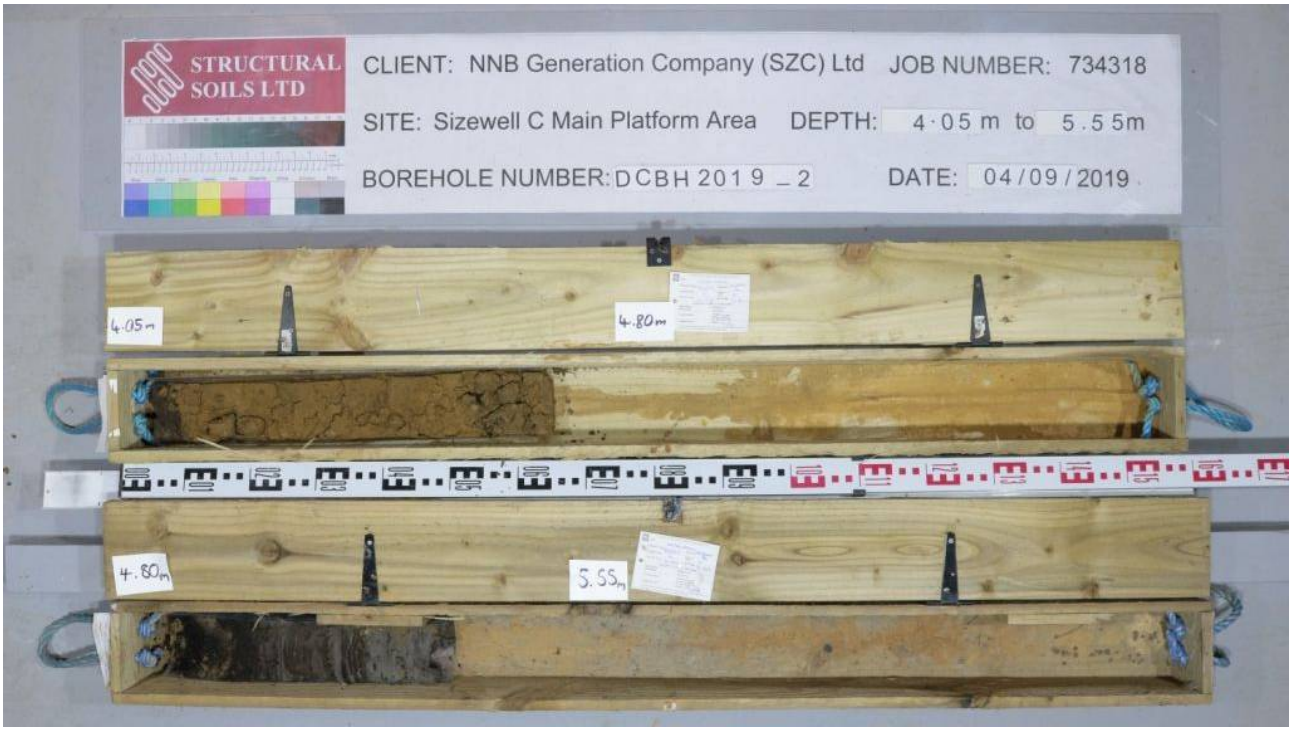
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 4.05m 5.55m depth.





DCBH2019_2 5.55m - 7.80m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Check By:	[redacted]

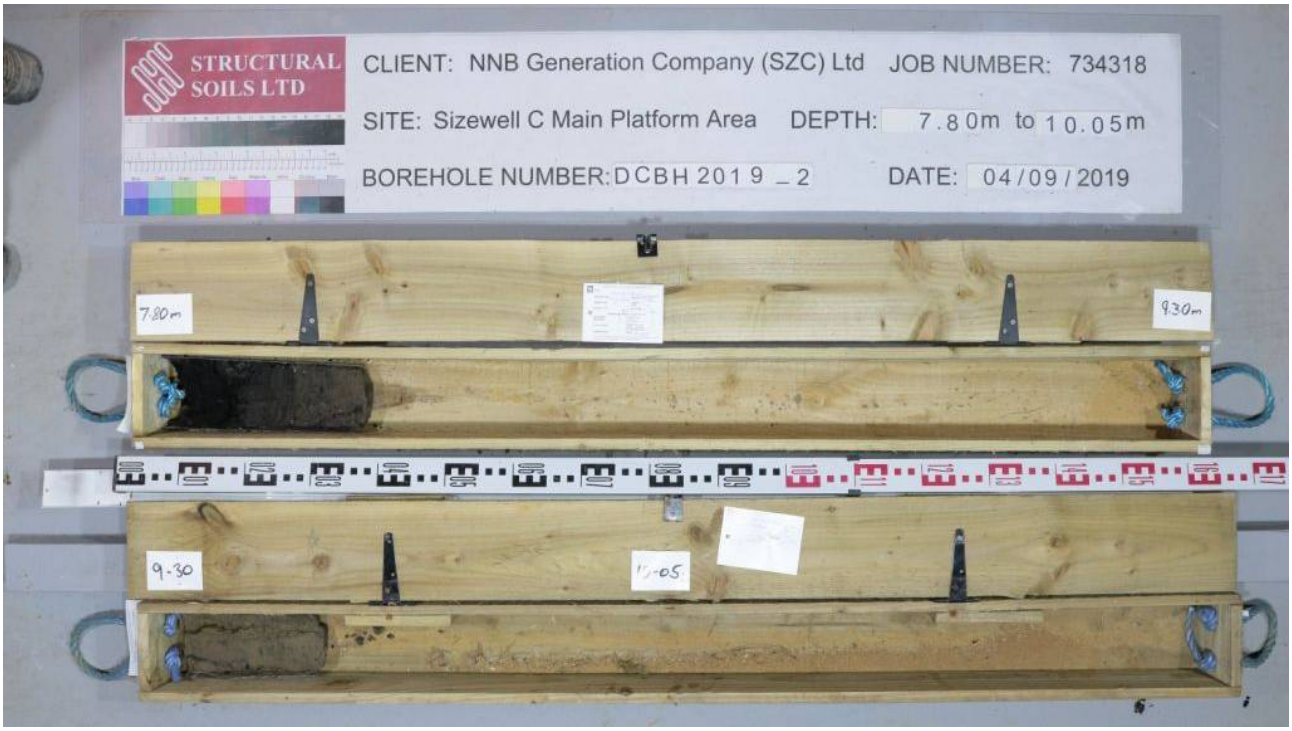
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
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DCBH2019_2 7.80m - 10.05m depth.





DCBH2019_2 10.05m - 11.55m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Ch By:	[redacted]

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BOREHOLE LOG

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DCBH2019_2 11.55m - 13.05m depth.





DCBH2019_2 13.05m - 14.55m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Che By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
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DCBH2019_2 14.55m - 16.05m depth.





DCBH2019_2 16.05m - 18.30m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	[redacted]

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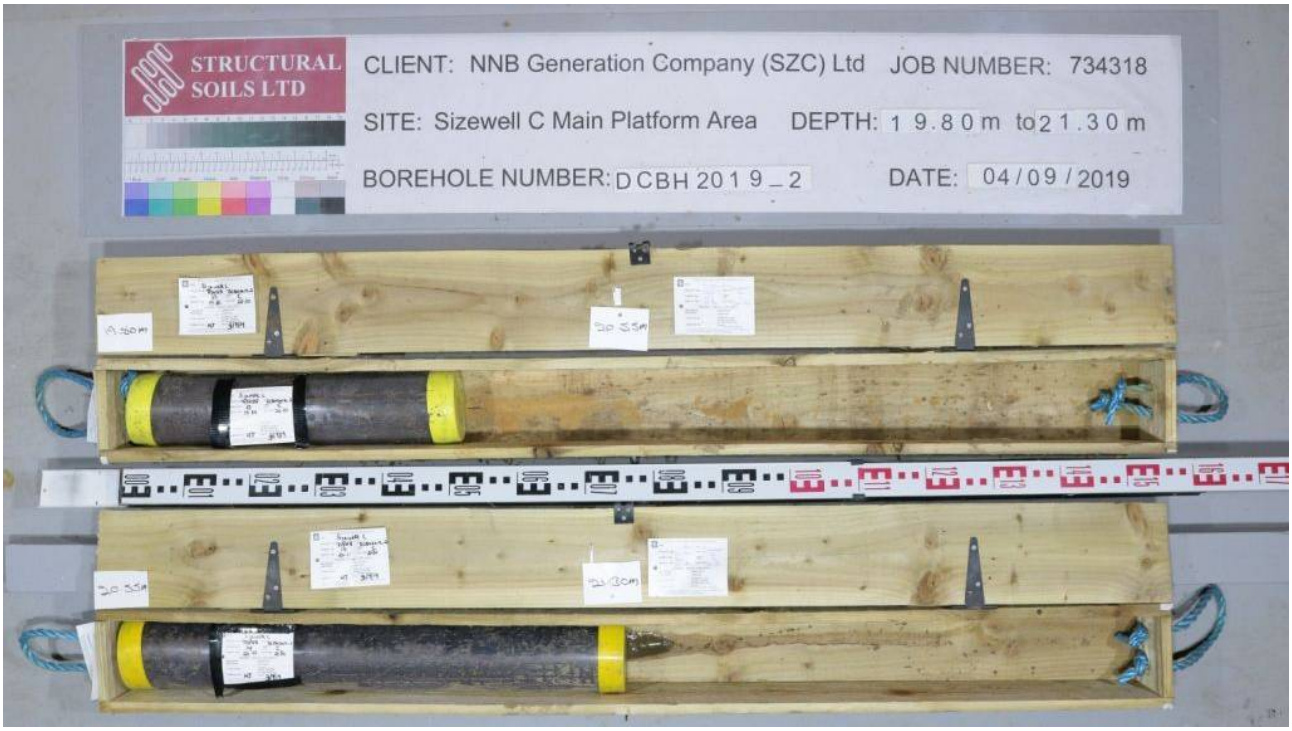
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
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DCBH2019_2 18.30m - 19.80m depth.





DCBH2019_2 19.80m - 21.30m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Chec By:	[redacted]

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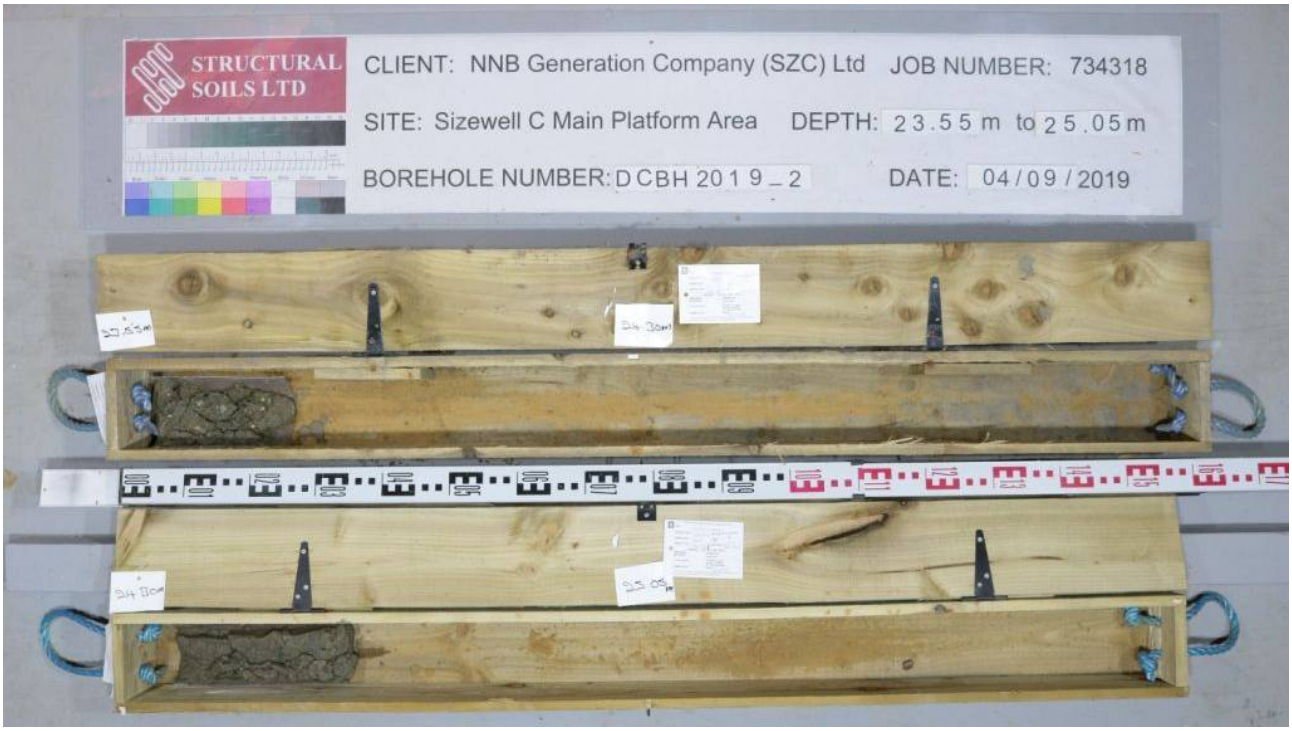
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 21.30m - 23.55m depth.





DCBH2019_2 23.55m - 25.05m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Ch By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 25.05m - 26.55m depth.





DCBH2019_2 26.55m - 28.05m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 28.05m - 29.55m depth.





DCBH2019_2 29.55m - 31.05m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	C B

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_2 31.05m - 32.55m depth.





DCBH2019_2 32.55m - 34.05m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	C B

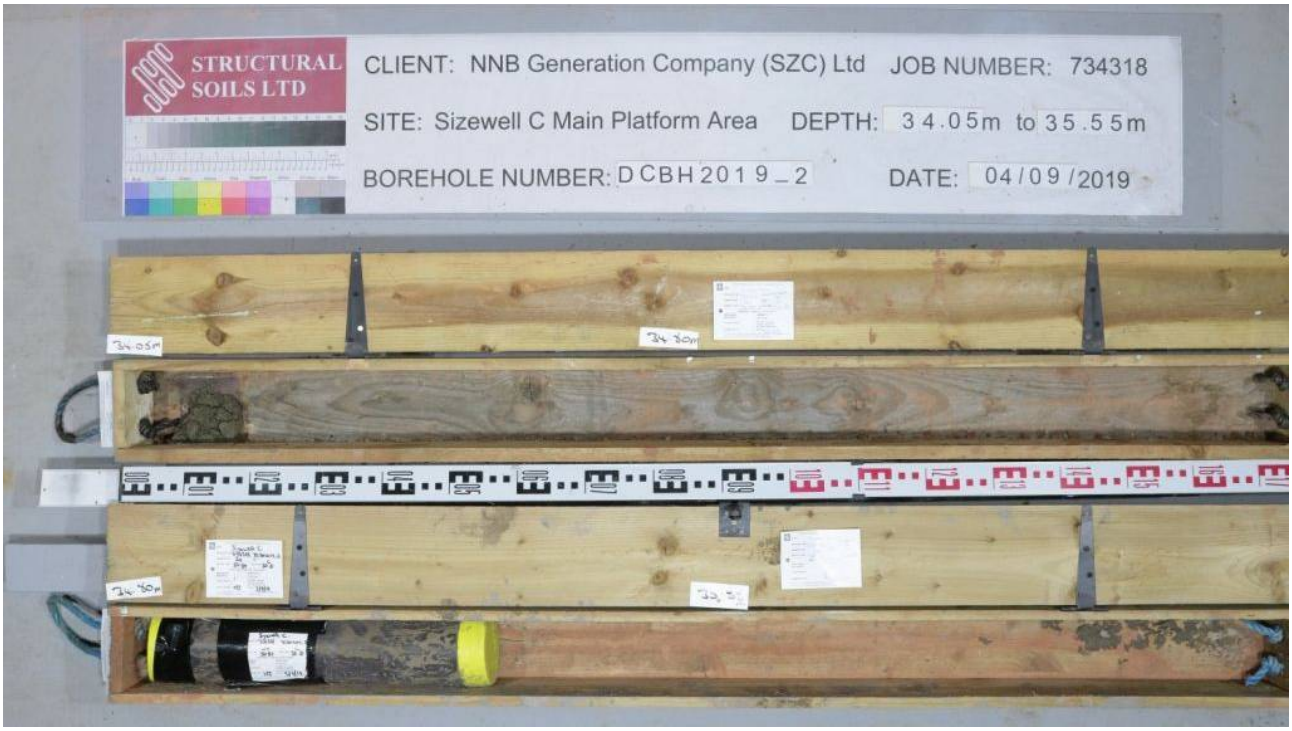
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 34.05m - 35.55m depth.





DCBH2019_2 35.55m - 37.80m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

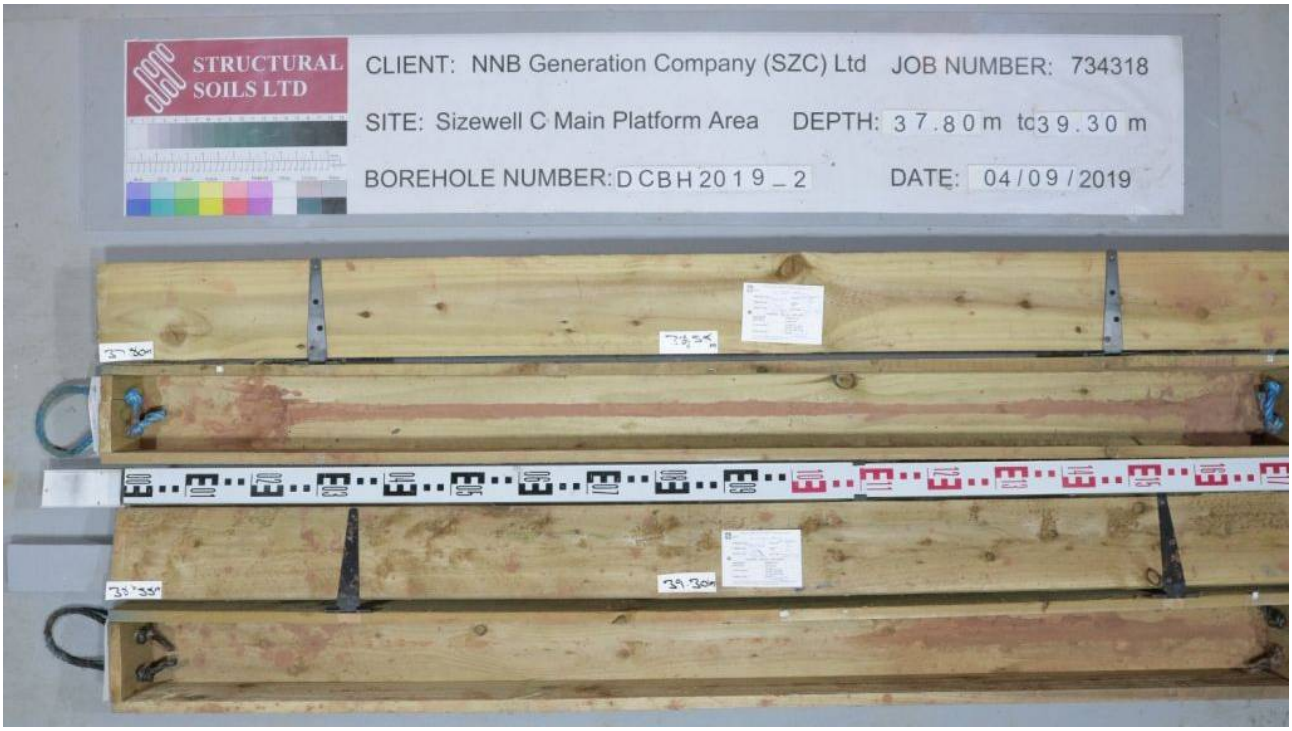
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
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DCBH2019_2 37.80m - 39.30m depth.





DCBH2019_2 39.30m - 40.80m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

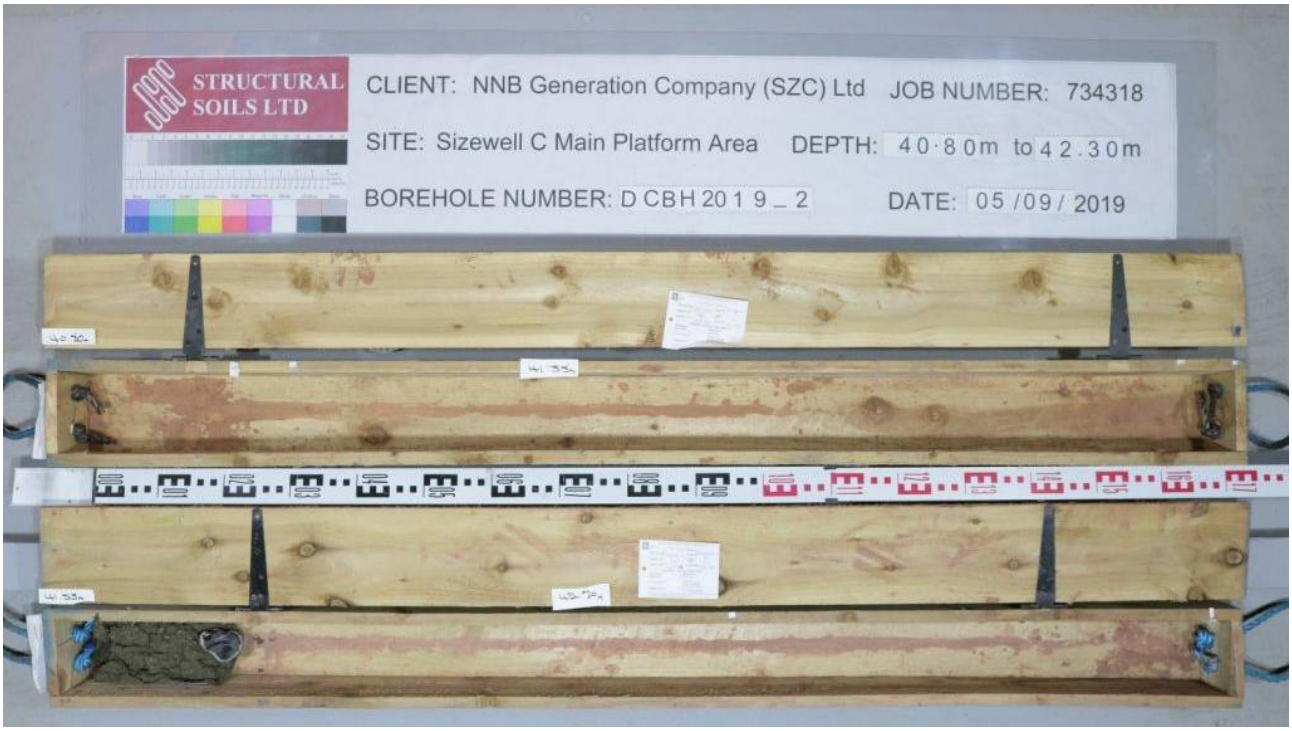
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
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DCBH2019_2 40.80m - 42.30m depth.





DCBH2019_2 42.30m - 43.80m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
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DCBH2019_2 43.80m - 45.00m depth. (Split)





DCBH2019_2 43.80m - 45.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 45.00m - 48.00m depth. (Split)





DCBH2019_2 45.00m - 48.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
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DCBH2019_2 48.00m - 51.00m depth. (Split)





DCBH2019_2 48.00m - 51.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_2 51.00m - 52.80m depth. (Split)





DCBH2019_2 52.80m - 55.05m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 55.05m - 57.30m depth. (Split)





DCBH2019_2 55.05m - 57.30m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 57.30m - 59.55m depth. (Split)





DCBH2019_2 57.30m - 59.55m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 59.55m - 61.80m depth. (Split)





DCBH2019_2 59.55m - 61.80m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 61.80m - 63.30m depth. (Split)





DCBH2019_2 61.80m - 63.30m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
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DCBH2019_2 63.30m - 64.80m depth. (Split)





DCBH2019_2 63.30m - 64.80m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 64.80m - 67.05m depth. (Split)





DCBH2019_2 64.80m - 67.05m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 67.05m - 68.55m depth. (Split)





DCBH2019_2 67.05m - 68.55m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 68.55m - 70.80m depth.





DCBH2019_2 70.80m - 72.60m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
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Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 70.80m - 72.80m depth. (Split)





DCBH2019_2 72.80m - 75.30m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
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Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 72.80m - 75.30m depth.





DCBH2019_2 75.30m - 78.30m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **12.09.19**	**1.70**	**E:647220.0 N:264208.6**	**55** of **63**

DCBH2019_2 75.30m - 78.30m depth.





DCBH2019_2 78.30m - 81.30m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:20 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 78.30m - 81.30m depth.





DCBH2019_2 81.30m - 84.30m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:21 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 84.30m - 87.30m depth.





DCBH2019_2 87.30m - 90.30m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 90.30m - 93.30m depth.





DCBH2019_2 93.30m - 96.30m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 96.30m - 97.80m depth.





DCBH2019_2 97.80m - 100.80m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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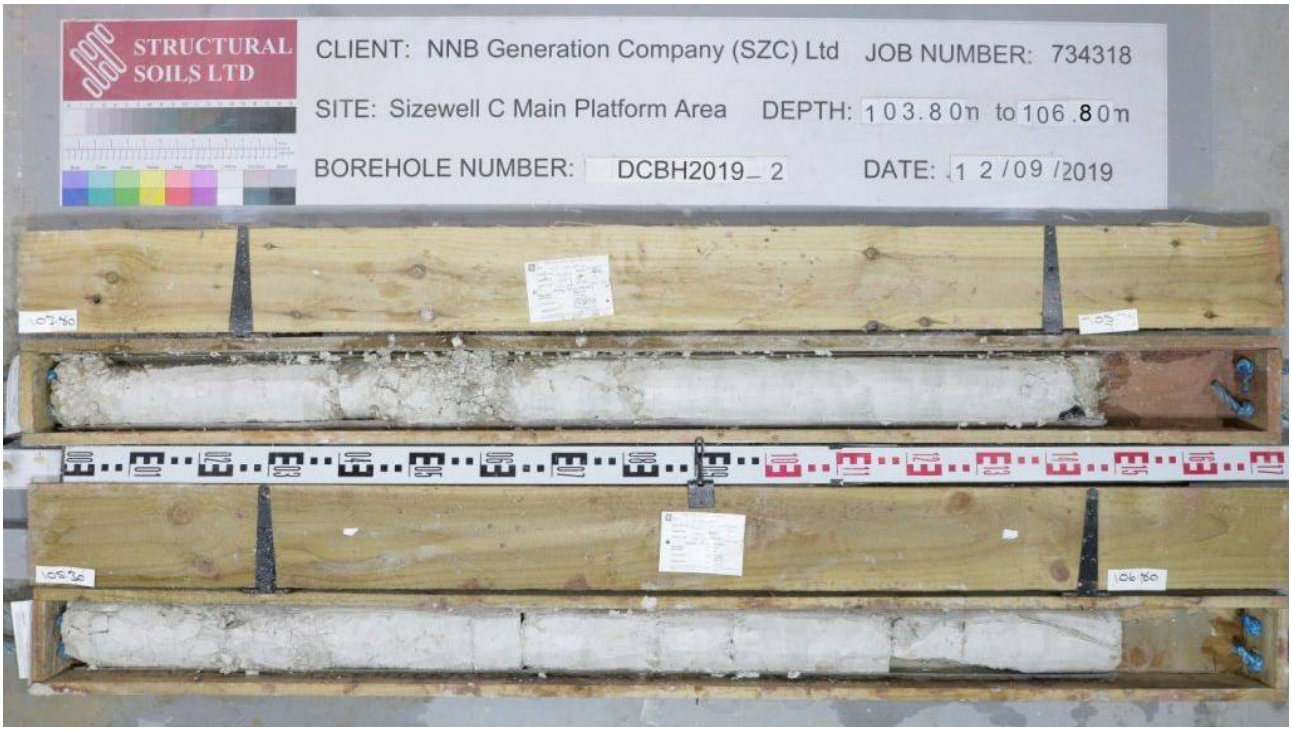
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 100.80m - 103.80m depth.





DCBH2019_2 103.80m - 106.80m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 106.80m - 109.80m depth.





DCBH2019_2 109.80m - 112.80m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 112.80m - 115.80m depth.





DCBH2019_2 115.80m - 118.80m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

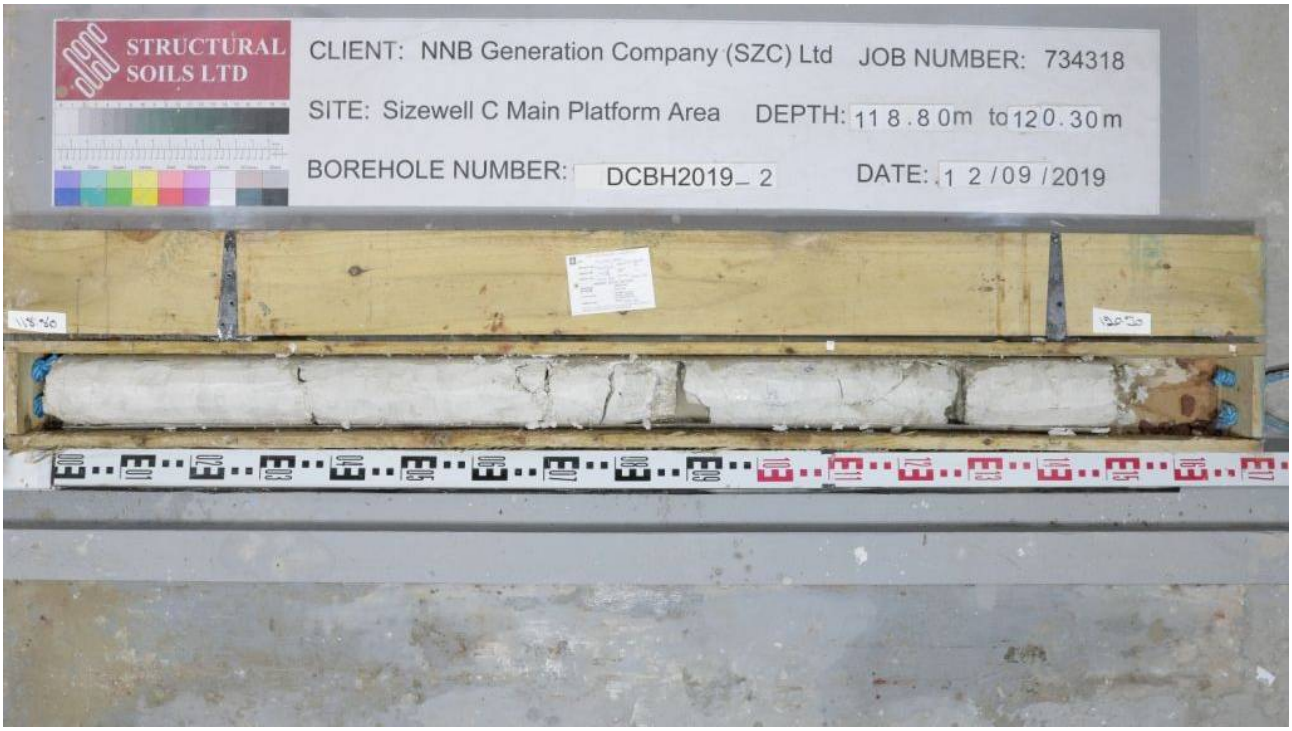
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_2**
Contract Ref:	Start: **18.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_2 118.80m - 120.30m depth.



Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio Geo 602**	Drilled By:	**David Henderson**	Logged By:	**RAndrews + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	81.22	BF	2	P-R	-	-	-	Rare black specks,	BEECK	CHALK
								unstained, no infill.		
2	81.34-81.36	J	12	P-R	-	-	-	Clean.	BEECK	CHALK
3	81.45-81.49	J	29	U-R	-	-	-	Clean.	BEECK	CHALK
4	81.50-81.52	J	16	P-R	-	-	-	Clean.	BEECK	CHALK
5	81.54	BF	2	P-R	-	-	-	Clean.	BEECK	CHALK
6	81.76-81.77	J	13	P-R	-	-	-	Clean.	BEECK	CHALK
7	82.08-82.11	J	36	P-R	-	-	-	Clean.	BEECK	CHALK
8	82.09-82.10	J	10	P-R	-	-	-	Clean.	BEECK	CHALK
9	82.11-82.12	J	16	P-R	-	-	-	Clean.	BEECK	CHALK
10	82.12	BF	5	P-R	-	-	-	Clean.	BEECK	CHALK
11	82.18-82.20	J	15	U-R	-	-	-	Clean.	BEECK	CHALK
12	82.23	BF	11	P-R	-	-	-	Clean.	BEECK	CHALK
13	82.31	BF	4	U-R	-	-	-	Clean.	BEECK	CHALK
14	82.48-82.58	J	89	P-R	-	-	-	Rare black specks,	BEECK	CHALK
								unstained, no infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

STRUCTURAL SOILS
The Old School
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Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
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SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
15	82.48-82.60	J	51	S-R	-	-	-	Rare black specks,	BEECK	CHALK
								unstained, no infill.		
16	82.58-82.60	J	16	U-R	-	-	-	Rare black specks,	BEECK	CHALK
								unstained, no infill.		
17	82.70	BF	8	P-R	-	-	-	Clean.	BEECK	CHALK
18	84.35-84.57	J	88	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
19	84.39-84.60	BF	9	P-R	-	-	-	Clean.	WBCK	CHALK
20	84.59-84.80	J	86	U-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
21	84.79	BF	6	P-R	-	-	-	Clean.	WBCK	CHALK
22	85.10-85.53	J	85	U-R	-	-	-	Clean.	WBCK	CHALK
23	85.33	BF	5	P-R	-	-	-	Clean.	WBCK	CHALK
24	85.33-85.42	J	77	U-R	-	-	-	Clean.	WBCK	CHALK
25	85.33-85.53	J	81	U-R	-	-	-	Clean.	WBCK	CHALK
26	85.42-85.53	J	61	U-R	-	-	-	Clean.	WBCK	CHALK

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STRUCTURAL SOILS
The Old School
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Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 2 of 15

SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
27	85.53	J	38	P-R	-	-	-	Clean.	WBCK	CHALK
28	85.53	BF	4	U-R	-	-	-	Clean.	WBCK	CHALK
29	85.53-85.56	J	42	P-R	-	-	-	Clean.	WBCK	CHALK
30	86.29	BF	6	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
31	86.63-86.65	J	13	U-R	-	-	-	Clean.	WBCK	CHALK
32	87.14	BF	4	P-R	-	-	-	Clean.	WBCK	CHALK
33	87.18	BF	3	P-R	-	-	-	Clean.	WBCK	CHALK
34	87.23	BF	3	P-R	-	-	-	Clean.	WBCK	CHALK
35	88.12	BF	2	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
36	88.84-88.86	J	12	U-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
37	89.27-89.28	J	10	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
38	89.28-89.43	J	80	U-R	-	-	-	Rare black specks,	WBCK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
39	89.44	BF	6	U-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
40	89.67-89.69	J	19	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
41	90.89	BF	4	U-R	-	-	-	Clean.	WBCK	CHALK
42	91.56-91.57	J	12	U-R	-	-	-	Clean.	WBCK	CHALK
43	92.08-92.11	J	17	U-R	-	-	-	Clean.	WBCK	CHALK
44	92.70	BF	5	P-R	-	-	-	Clean.	WBCK	CHALK
45	92.92-92.93	J	11	U-R	-	-	-	Clean.	WBCK	CHALK
46	92.93-93.03	J	87	U-R	-	-	-	Clean.	WBCK	CHALK
47	93.02-93.05	J	13	U-R	-	-	-	Clean.	WBCK	CHALK
48	93.80-93.81	J	11	P-R	-	-	-	Clean.	WBCK	CHALK
49	94.12	BF	9	P-R	-	-	-	Clean.	WBCK	CHALK
50	94.54	BF	5	P-R	-	-	-	Clean.	WBCK	CHALK
51	94.87	BF	2	P-R	-	-	-	Occasional black specks,	PWBCK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
52	96.30-96.35	J	68	U-R	-	-	-	Occasional black specks,	PWBCK	CHALK
								unstained, no infill.		
53	96.53-96.63	J	88	P-R	-	-	-	Clean.	WBCK	CHALK
54	96.68-96.75	J	87	P-R	-	-	-	Clean.	WBCK	CHALK
55	96.75	BF	3	P-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
56	96.80	BF	4	U-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
57	96.98	BF	2	U-R	-	-	-	Clean.	WBCK	CHALK
58	97.05-97.11	J	81	P-R	-	-	-	Clean.	WBCK	CHALK
59	97.11	BF	5	U-R	-	-	-	Clean.	WBCK	CHALK
60	97.27	BF	2	P-R	-	-	-	Clean.	WBCK	CHALK
61	97.49	BF	2	P-R	-	-	-	Clean.	WBCK	CHALK
62	98.07	BF	7	U-R	-	-	-	Clean.	WBCK	CHALK
63	98.17	BF	2	P-R	-	-	-	Occasional black specks,	WBCK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
64	98.73	BF	5	U-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
65	99.04	BF	8	U-R	-	-	-	Clean.	WBCK	CHALK
66	99.30	BF	3	U-R	-	-	-	Clean.	WBCK	CHALK
67	99.47	BF	2	P-R	-	-	-	Clean.	WBCK	CHALK
68	99.63-99.73	J	72	S-R	-	-	-	Clean.	WBCK	CHALK
69	99.64	BF	5	P-R	-	-	-	Clean.	WBCK	CHALK
70	99.67	BF	2	U-R	-	-	-	Clean.	WBCK	CHALK
71	100.17-100.26	J	73	U-R	-	-	-	Clean.	WBCK	CHALK
72	100.26	BF	8	P-R	-	-	-	Clean.	WBCK	CHALK
73	101.03-101.03	J	17	U-R	-	-	-	Clean.	WBCK	CHALK
74	101.10	BF	3	U-R	-	-	-	Clean.	WBCK	CHALK
75	101.20-101.22	J	19	U-R	-	-	-	Clean.	WBCK	CHALK
76	101.33	BF	5	U-R	-	-	-	Clean.	WBCK	CHALK
77	101.42-101.44	J	11	U-R	-	-	-	Clean.	WBCK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
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STRUCTURAL SOILS
The Old School
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Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
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SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
78	101.44-101.56	J	79	U-R	-	-	-	Clean.	WBCK	CHALK
79	101.52-101.54	J	13	U-R	-	-	-	Clean.	WBCK	CHALK
80	101.67	BF	9	U-R	-	-	-	Clean.	WBCK	CHALK
81	101.90-101.93	J	29	U-R	-	-	-	Clean.	WBCK	CHALK
82	102.01	BF	9	U-R	-	-	-	Clean.	WBCK	CHALK
83	102.69-103.90	J	87	P-R	-	-	-	Clean.	WBCK	CHALK
84	102.85-109.90	J	56	P-R	-	-	-	Clean.	WBCK	CHALK
85	102.90	BF	3	P-R	-	-	-	Clean.	WBCK	CHALK
86	103.85-103.90	J	74	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
87	104.16-104.24	J	82	P-R	-	-	-	Clean.	WBCK	CHALK
88	104.24-104.32	J	84	P-R	-	-	-	Clean.	WBCK	CHALK
89	105.17-105.24	J	87	P-R	-	-	-	Clean.	WBCK	CHALK
90	105.77-105.81	J	88	P-R	-	-	-	Clean.	WBCK	CHALK
91	105.81	BF	5	P-R	-	-	-	Clean.	WBCK	CHALK
92	105.90	BF	2	P-R	-	-	-	Rare black specks,	WBCK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
93	105.98	BF	8	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
94	106.17-106.20	J	79	U-R	-	-	-	Clean.	WBCK	CHALK
95	106.18	BF	4	U-R	-	-	-	Clean.	WBCK	CHALK
96	106.50-106.59	J	79	P-R	-	-	-	Clean.	WBCK	CHALK
97	106.50-106.69	J	88	P-R	-	-	-	Clean.	WBCK	CHALK
98	106.50-106.69	J	77	P-R	-	-	-	Clean.	WBCK	CHALK
99	107.17	BF	4	U-R	-	-	-	Clean.	WBCK	CHALK
100	107.17-107.24	J	84	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
101	107.24	BF	3	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
102	107.24-107.89	J	87	U-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
103	107.24-107.89	J	89	U-R	-	-	-	Rare black specks,	WBCK	CHALK

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SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
104	107.87-107.89	J	18	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
105	107.99-108.30	J	81	P-R	-	-	-	Clean.	WBCK	CHALK
106	108.11-108.12	J	12	U-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
107	108.16-108.18	J	13	U-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
108	110.03-110.04	J	12	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
109	110.29	BF	3	P-R	-	-	-	Clean.	AZCL	
110	110.55	BF	2	U-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
111	110.55-110.61	J	77	P-R	-	-	-	Clean.	AZCL	
112	110.61-110.62	BF	12	P-R	-	-	-	Clean.	AZCL	
113	110.71-111.30	J	79	P-R	-	-	-	Occasional black specks,	AZCL	

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Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
114	110.72	BF	2	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
115	110.78-110.80	J	11	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
116	110.79-111.30	J	75	P-R	-	-	-	Occasional black specks,	AZCL	
								unstained, no infill.		
117	111.13	BF	6	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
118	111.22	BF	4	U-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
119	111.24-111.56	J	87	S-R	-	-	-	Clean.	AZCL	
120	111.30-111.39	J	79	U-R	-	-	-	Clean.	AZCL	
121	111.32	BF	5	P-R	-	-	-	Clean.	AZCL	
122	111.60-111.68	J	78	S-R	-	-	-	Clean.	AZCL	
123	111.77-111.24	J	86	S-R	-	-	-	Clean.	AZCL	

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STRUCTURAL SOILS
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Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 10 of 15

SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
124	111.96	BF	8	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
125	112.10	BF	4	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
126	112.37-112.38	J	11	P-R	-	-	-	Clean.	AZCL	
127	112.56-112.57	BF	4	P-R	-	-	-	Clean.	AZCL	
128	112.75	BF	6	-	-	-	-	Clean.	AZCL	
129	112.95-113.42	J	83	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
130	113.09-113.10	J	12	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
131	113.20-113.22	J	18	U-R	-	-	-	Clean.	AZCL	
132	113.32	BF	1	P-R	-	-	-	Clean.	AZCL	
133	113.39-113.43	J	51	U-R	-	-	-	Clean.	AZCL	
134	113.42-113.44	J	13	U-R	-	-	-	Clean.	AZCL	
135	113.93	BF	6	P-R	-	-	-	Clean.	AZCL	

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SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
136	114.21	BF	6	U-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
137	114.36	BF	2	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
138	114.48-114.58	J	14	U-R	-	-	-	Clean.	AZCL	
139	114.49-114.57	J	86	P-R	-	-	-	Clean.	AZCL	
140	115.00	BF	5	P-R	-	-	-	Clean.	AZCL	
141	115.00-115.27	BF	84	P-R	-	-	-	Clean.	AZCL	
142	115.04	J	6	U-R	-	-	-	Clean.	AZCL	
143	115.05-115.08	J	42	P-R	-	-	-	Clean.	AZCL	
144	115.26-115.27	J	14	U-R	-	-	-	Clean.	AZCL	
145	115.35	BF	3	U-R	-	-	-	Clean.	AZCL	
146	115.35-115.45	J	81	P-R	-	-	-	Clean.	AZCL	
147	115.45	BF	6	P-R	-	-	-	Clean.	AZCL	
148	115.45-115.70	J	89	P-R	-	-	-	Clean.	AZCL	
149	115.57	BF	2	P-R	-	-	-	Rare black specks,	AZCL	

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SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
150	115.59	BF	3	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
151	115.68	BF	8	P-R	-	-	-	Clean.	AZCL	
152	116.09	BF	3	P-R	-	-	-	Clean.	AZCL	
153	116.09-116.20	J	77	U-R	-	-	-	Clean.	AZCL	
154	116.21-116.22	J	13	U-R	-	-	-	Clean.	AZCL	
155	116.30-116.36	J	42	S-R	-	-	-	Clean.	AZCL	
156	116.38-116.39	J	11	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
157	116.46-116.53	J	85	P-R	-	-	-	Clean.	AZCL	
158	116.54-116.56	J	18	U-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
159	116.73	BF	7	P-R	-	-	-	Clean.	AZCL	
160	116.73-116.92	J	87	P-R	-	-	-	Clean.	AZCL	
161	116.80	BF	4	P-R	-	-	-	Clean.	AZCL	

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SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
162	116.88	BF	2	P-R	-	-	-	Clean.	AZCL	
163	116.92-117.01	J	85	P-R	-	-	-	Clean.	AZCL	
164	116.93	BF	5	P-R	-	-	-	Clean.	AZCL	
165	116.94-117.30	J	78	P-R	-	-	-	Clean.	AZCL	
166	117.33	BF	3	P-R	-	-	-	Clean.	AZCL	
167	117.39	BF	8	U-R	-	-	-	Clean.	AZCL	
168	117.45	BF	8	P-R	-	-	-	Clean.	AZCL	
169	117.68-117.69	J	10	P-R	-	-	-	Clean.	AZCL	
170	118.17-118.18	J	5	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
171	118.30-118.31	J	11	P-R	-	-	-	Clean.	AZCL	
172	119.17-119.50	J	82	P-R	-	-	-	Clean.	AZCL	
173	119.54	BF	8	U-R	-	-	-	Clean.	AZCL	
174	119.61-120.07	J	58	U-R	-	-	-	Clean.	AZCL	
175	119.71	BF	3	P-R	-	-	-	Clean.	AZCL	
176	119.90-119.93	J	19	U-R	-	-	-	Clean.	AZCL	

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SUMMARY OF DISCONTINUITIES - DCBH2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
177	119.94-120.04	J	64	P-R	-	-	-	Rare black specks,	AZCL	
								unstained, no infill.		
178	120.08	BF	4	P-R	-	-	-	Clean.	AZCL	

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STRUCTURAL SOILS
The Old School
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Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 15 of 15

STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**1** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
0.00-0.60	1	B									MADE GROUND: Yellowish brown slightly gravelly silty fine SAND with frequent shells. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)		2	0	
0.10	101	ES													
0.20	WAC1	ES												(0.60)	
0.30	102	ES													
0.30	2	D													
0.50	103	ES											1.42	0.60	
0.60-1.20	3	B									MADE GROUND: Orangish brown slightly gravelly silty fine SAND with rare shell fragments. Gravel is subrounded fine to coarse of flint. (MADE GROUND)				
0.80	4	D												(0.60)	
0.80	WAC2	ES													
1.00	104	ES											1	1	
1.20-2.00											MADE GROUND: Dark orangish brown slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint and brick fragments. (MADE GROUND)		0.82	1.20	
1.50	5	ES	1xT+1xJ+2xV												
1.50	WAC3	ES	1xT+1xJ+1xV	100	0	0		100% Polymer-Mud (Brown)						(0.80)	
2.00-2.50											Partial recovery (32%). Recovered as dark orangish brown slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint and brick fragments. (PARTIAL RECOVERY)		0.02	2.00	
2.00	6	ES	1xT+1xJ+1xV										0	2	
2.00	WAC4	ES	1xT+1xJ+1xV	32	0	0		100% Polymer-Mud (Brown)						(0.50)	PR / AZCL
2.50-3.50											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-0.48	2.50	
				0	0	0							-1	3	AZCL
3.50-5.70								100% Polymer-Mud (Grey)							
				0	0	0							-2	4 (3.20)	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
10/09/19		0.00	None	N/R	-
10/09/19		1.20	None	N/R	Dry
10/09/19		1.20	None	200	
10/09/19		1.20	None	200	
12/09/19	17:30	1.20	None	N/R	Dry
13/09/19	07:30	1.20	None	N/R	-
14/09/19	07:30	1.20	None	N/R	-
15/09/19	07:30	1.20	None	N/R	-

General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Inspection pit dug to 1.20m depth.
4. No water strike.
5. Borehole installed with 50mm slotted pipe between 6.50m - 8.00m, plain pipe to ground level. The remainer of the hole was grouted.

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**2** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				0	0	0		100% Polymer-Mud (Grey)					-3	5	AZCL
5.70-6.50													-3.68	5.70	
											Dark brown mottled dark orange gravelly fine to medium SAND. Gravel is subrounded fine to medium of flint. (SUPERFICIAL DEPOSITS - SAND AND GRAVEL)				
6.00	7	ES	1xT+1xJ+2xV										-3.93	5.95	
6.00	WAC5	ES	1xT+1xJ+1xV	100	0	0		100% Polymer-Mud (Brown)			Firm dark brown peaty CLAY with frequent plant remains up to 12 x 40mm. Peat is spongy pseudo-fibrous. (SUPERFICIAL DEPOSITS - CLAY) . . . 6.14-6.25m: becoming spongy black pseudofibrous peat.		-4	6	
														(0.55)	
													-4.48	6.50	
6.50-7.25											Partial recovery (32%). Recovered as black clayey subrounded to rounded fine to medium GRAVEL of flint. (SUPERFICIAL DEPOSITS - GRAVEL)			(0.75)	PR/ AZCL
				32	0	0		100% Polymer-Mud (Brown)					-5	7	
7.01	8	ES	1xT+1xJ+1xV												
7.01	WAC6	ES	1xT+1xJ										-5.23	7.25	
7.25-8.00											Partial recovery (36%). Recovered as spongy black pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)			(0.75)	PR/ AZCL
				36	0	0		100% Polymer-Mud (Brown)					-5.98	8.00	
8.00-8.75											Dark grey silty fine SAND. (SUPERFICIAL DEPOSITS - SAND)		-6	8	
8.00	9	ES	1xT+1xJ+2xV										-6.19	8.21	
											Spongy dark grey black fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)			(0.31)	
				100	0	0		100% Polymer-Mud (Brown)					-6.50	8.52	
											Dark grey silty fine SAND. (SUPERFICIAL DEPOSITS - SAND)			(0.35)	
8.75-9.50													-6.85	8.87	
				100	0	0									

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
15/09/19	16:00	3.50	3.50	200	3.00
16/09/19	08:30	3.50	3.50	200	3.00
16/09/19	17:30	12.00	12.00	200	0.80
17/09/19	08:30	12.00	12.00	200	0.10
17/09/19	18:00	21.50	12.00	200	-
18/09/19	08:30	11.40	12.00	200	1.50
19/09/19	07:30	11.40	12.00	200	-
19/09/19	08:30	21.50	21.50	200	1.50

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted] IS

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**3** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
9.00	10	ES	1xT+1xJ+2xV					100% Polymer-Mud (Brown)			Bluish grey mottled brownish orange silty fine to medium SAND with occasional flasers of light grey clay up to 2 x 15mm. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-7	9	
9.00	WAC7	ES	1xT+1xJ+1xV	100	0	0					. . . 9.11m: medium gravel sized subangular flint.			(0.63)	
													-7.48	9.50	
9.50-11.00											Not logged zone with sampling. Geotechnical sample (C1). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-8	(1.00) 10	NLZS
9.50-10.50	1	C		100	0	0		100% Polymer-Mud (Brown)							
													-8.48	10.50	
10.50	12	ES									Orangish brown mottled light grey silty fine to medium SAND with frequent flasers of light grey clay and frequent shell fragments. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))			(0.50)	
10.50	WAC8	ES											-8.98	11.00	
11.00-12.00											Not logged zone with sampling. Geotechnical sample (C2). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-9		
11.00-11.93	2	C		93	0	0		100% Polymer-Mud (Brown)						(1.00)	NLZS
											. . . 11.93-12.00m:Assumed zone of core loss.		-9.98	12.00	
12.00-12.50											Greyish brown slightly gravelly silty fine to medium SAND with frequent flasers of bluish grey clay up to 2 x 7mm and frequent coarse sand sized comminuted shells. Gravel is subangular to subrounded fine of flint. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-10	(0.28)	
12.00	11	ES	1xT+1xJ+2xV	56	0	0		100% Polymer-Mud (Brown)					-10.26	12.28	AZCL
													-10.48	12.50	
12.50-13.25											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				
12.50-13.25	3	C		100	0	0		100% Polymer-Mud (Brown)			Not logged zone with sampling. Geotechnical sample (C3). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-11	(0.75) 13	NLZS
													-11.23	13.25	
13.25-14.00											Not logged zone with sampling. Geotechnical sample (C4). Recovered in a sealed liner.				
13.25-14.00	4	C		100	0	0									NLZS

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
19/09/19	18:00	29.00	25.50	200	-
20/09/19	08:30	29.00	25.50	200	3.70
23/09/19	13:00	29.00	29.00	200	1.50
23/09/19	17:30	33.50	33.00	200	0.00
24/09/19	08:30	33.50	33.00	200	0.00
24/09/19	17:30	47.00	47.00	200	1.80
25/09/19	07:30	47.00	47.00	200	1.80
26/09/19	07:30	47.00	47.00	200	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**4** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0		100% Polymer-Mud (Brown)			(NOT LOGGED ZONE WITH SAMPLING)		-11.98	(0.75) 14.00	NLZS
14.00-15.50 14.00-14.65	5	C		43	0	0		100% Polymer-Mud (Brown)			Not logged zone with sampling. Geotechnical sample (C5). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-12.63	(0.65) 14.65	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-13	(0.85) 15.50	AZCL
15.50-16.25 15.50-16.05	6	C		73	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C6). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) . . . 16.05-16.25m: Assumed zone of core loss.		-13.48 -14	(0.75) 16.25	NLZS
16.25-17.00 16.25-17.00	7	C		100	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C7). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-14.23	(0.75) 17.00	NLZS
17.00-18.50 17.00	13	ES		19	0	0		100% Polymer-Mud (Grey)			Minimal recovery (19%). Recovered as dark bluish grey mottled black fine to medium SAND with frequent coarse sand sized comminuted shells and frequent flasers of light grey clay up to 3 x 14mm. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-14.98 -15	(1.50)	MR / AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
26/09/19	17:30	48.50	48.50	200	2.83
27/09/19	08:30	48.50	48.50	200	2.60
27/09/19		51.50	48.50	200	-
30/09/19	08:45	51.50	46.50	200	3.80
30/09/19	10:55	53.00	46.50	200	1.91
01/10/19	08:00	53.00	53.00	200	1.15
01/10/19	17:30	53.00	53.00	200	1.15
02/10/19	08:00	53.00	53.00	200	1.25

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted] IS

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**5** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				19	0	0							-16	18	MR/AZCL
18.50-19.25													-16.48	18.50	
18.50-19.07	8	C		76	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C8). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) . . . 19.07-19.25m: Assumed zone of core loss.		-17	(0.75) 19	NLZS
19.25-20.00													-17.23	19.25	
19.25-20.00	9	C		100	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C9). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-17.98	(0.75) 20.00	NLZS
20.00-20.75													-18	20	
20.00-20.75	10	C		100	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C10). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-18.73	(0.75) 20.75	NLZS
20.75-21.50				45	0	0		100% Polymer-Mud (Grey)			Partial recovery (45%). Recovered as dark bluish grey fine to medium SAND with frequent coarse sand sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-19	21 (0.75)	PR/AZCL
21.50-22.25													-19.48	21.50	
21.50-22.18	11	C		91	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C11). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) . . . 22.18-22.25m:Assumed zone of core loss.		-20	(0.75) 22	NLZS
22.25-23.00													-20.23	22.25	
22.25-23.00	12	C		100	0	0					Not logged zone with sampling. Geotechnical sample (C12). Recovered in a sealed liner.				NLZS

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
02/10/19	17:30	65.00	65.00	200	2.45
03/10/19	08:00	65.00	65.00	200	2.25
03/10/19	16:00	65.00	65.00	200	0.00
07/10/19	05:30	65.00	65.00	200	-
08/10/19	07:30	65.00	65.00	200	-
09/10/19	08:30	65.00	46.50	200	0.20
09/10/19	17:30	78.50	78.50	200	2.80
10/10/19	08:30	78.50	78.50	200	1.80

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**6** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0		100% Polymer-Mud (Grey)			(NOT LOGGED ZONE WITH SAMPLING)			(0.75)	NLZS
23.00-24.50													-20.98	23.00	
23.00-24.00	13	C		67	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C13). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-21	23 (1.00)	NLZS
													-21.98	24.00	
											Grey fine to medium SAND with frequent coarse sized comminuted shells and rare flasers of stiff grey silt up to 6 x 8mm. (RED CRAG FORMATION (UNDIFFERENTIATED))		-22	24	
													-22.12	24.14	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.36)	AZCL
24.50-25.25													-22.48	24.50	
24.50-24.88	14	C		51	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C14). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.38)	NLZS
													-22.86	24.88	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-23	25 (0.37)	AZCL
25.25-26.00													-23.23	25.25	
25.25-25.94	15	C		92	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C15). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.75)	NLZS
											. . . 25.94-26.00m: Assumed zone of core loss.		-23.98	26.00	
26.00-26.75				17	0	0		100% Polymer-Mud (Grey)			Minimal recovery (17%). Recovered as greenish grey fine to coarse SAND with frequent comminuted coarse sized shells and rare flasers of soft grey clay up to 15 x 22mm. (RED CRAG FORMATION (UNDIFFERENTIATED))		-24	26 (0.75)	MR / AZCL
													-24.73	26.75	
26.75-27.50				0	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
10/10/19	17:30	86.00	86.00	200	0.80
11/10/19	08:30	86.00	86.00	200	1.10
11/10/19	17:30	101.00	101.00	200	0.40
12/10/19	07:30	101.00	None	N/R	-
13/10/19	07:30	101.00	None	N/R	-
14/10/19	07:30	101.00	None	N/R	-
15/10/19	07:30	101.00	None	N/R	-
16/10/19	07:30	101.00	None	N/R	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**7** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				0	0	0		100% Polymer-Mud (Grey)					-25	27 (0.75)	AZCL
27.50-28.25				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-25.48	27.50	
													-26	(0.75) 28	AZCL
28.25-29.00				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-26.23	28.25	
														(0.75)	AZCL
29.00-29.75													-26.98	29.00	
29.00-29.31	16	C		41	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C16). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-27	29 (0.31)	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-27.29	29.31	
														(0.44)	AZCL
29.75-30.50													-27.73	29.75	
29.75-30.31	17	C		75	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C17). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING) . . . 30.31-30.50m: Assumed zone of core loss.		-28	30 (0.75)	NLZS
30.50-31.25													-28.48	30.50	
30.50-30.98	18	C		64	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C18). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.48)	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-28.96	30.98	
													-29	31	AZCL
31.25-32.00													-29.23	31.25	
31.25-31.68	19	C		57	0	0					Not logged zone with sampling. Geotechnical sample (C19). Recovered in a sealed liner.				NLZS

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
16/10/19	17:30	46.50	46.50	200	6.50
17/10/19	08:30	46.50	46.50	200	6.50
18/10/19	07:30		None	N/R	
21/10/19			None	N/R	
23/10/19	08:00		None	N/R	
24/10/19	08:00		None	N/R	

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**8** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
								100% Polymer-Mud (Grey)			(NOT LOGGED ZONE WITH SAMPLING)			(0.43)	NLZS
				57	0	0							-29.66	31.68	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				
32.00-32.75				0	0	0		100% Polymer-Mud (Grey)					-30	32 (1.07)	AZCL
32.75-33.50													-30.73	32.75	
32.75-33.36	20	C		81	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C20). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-31	33 (0.75)	NLZS
											. . . 33.35-33.50m: Assumed zone of core loss.		-31.48	33.50	
33.50-34.25				41	0	0		100% Polymer-Mud (Grey)			Partial recovery (41%). Recovered as dark greenish grey silty fine to medium SAND with frequent coarse sized comminuted shell fragments. (RED CRAG FORMATION (UNDIFFERENTIATED))		-32	(0.75) 34	PR/ AZCL
34.25-35.00				27	0	0		100% Polymer-Mud (Grey)			Partial recovery (27%). Recovered as greenish grey fine to coarse SAND with abundant coarse sized comminuted shell fragments and thick laminations of stiff grey silt. (RED CRAG FORMATION (UNDIFFERENTIATED))		-32.23	34.25	
35.00-35.75													-32.98	(0.75)	PR/ AZCL
35.00-35.35	21	C		47	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C21). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-33	35	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-33.33	35.35 (0.35)	NLZS
35.75-36.50													-33.73	35.75 (0.40)	AZCL
35.75-36.43	22	C		91	0	0					Not logged zone with sampling. Geotechnical sample (C22). Recovered in a sealed liner.				NLZS

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**9** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				91	0	0		100% Polymer-Mud (Grey)			(NOT LOGGED ZONE WITH SAMPLING)		-34	36 (0.75)	NLZS
36.50-37.25											. . . 36.43-36.50m: Assumed zone of core loss.		-34.48	36.50	
36.50-36.97	23	C		63	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C23). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-34.95	(0.47) 36.97	NLZS
37.25-38.00				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-35	37 (1.78)	AZCL
38.00-38.75				0	0	0		100% Polymer-Mud (Grey)					-36	38	
38.75-39.50													-36.73	38.75	
38.75	14	ES		16	0	0		100% Polymer-Mud (Grey)			Minimal recovery (16%). Recovered as greenish grey fine to medium SAND with abundant coarse sand sized comminuted shell fragments. (RED CRAG FORMATION (UNDIFFERENTIATED))		-37	39 (0.75)	MR / AZCL
38.75	5	D											-37.48	39.50	
39.50-40.25															
39.50-39.89	24	C		52	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C24). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-37.87	(0.39) 39.89	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-38	40 (0.36)	AZCL
40.25-41.00													-38.23	40.25	
40.25-40.94	25	C		92	0	0					Not logged zone with sampling. Geotechnical sample (C25). Recovered in a sealed liner.				NLZS

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19** End: **24.10.20**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.02**	**E:647458.1 N:263990.1**	**10** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				92	0	0		100% Polymer-Mud (Grey)			(NOT LOGGED ZONE WITH SAMPLING)			(0.75)	NLZS
41.00-41.75											. . . 40.94-41.00m: Assumed zone of core loss.		-38.98	41.00	
41.00-41.75	26	C		100	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C26). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-39	(0.75)	NLZS
41.75-42.50													-39.73	41.75	
41.75-42.44	27	C		92	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C27). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-40	(0.75)	NLZS
42.50-44.00													-40.48	42.50	
42.50-43.50	28	C		83	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C28). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-41	(1.00)	NLZS
42.50-42.60	6	D											-41.48	43.50	
											Greenish grey fine to medium SAND with abundant coarse sand sized comminuted shell fragments. (RED CRAG FORMATION (UNDIFFERENTIATED))		-41.73	43.75	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-41.98	44.00	AZCL
44.00-44.75													-42		
44.00-44.32	29	C		43	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C29). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-42.30	(0.32) 44.32	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				AZCL
44.75-45.50				0	0	0								(1.18)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**11** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				0	0	0		100% Polymer-Mud (Grey)					-43	45	AZCL
45.50-46.25													43.48	45.50	
45.50-45.50	30	C									Not logged zone with sampling. Geotechnical sample (C30). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.75)	
				84	0	0		100% Polymer-Mud (Grey)					-44	46	NLZS
											. . . 46.14-46.25m: Assumed zone of core loss.		44.23	46.25	
46.25-47.00											Minimal recovery (7%). Recovered as very stiff extremely to very closely fissured dark brown silty CLAY. (HARWICH FORMATION, WRABNESS MEMBER)			(0.70)	MR / AZCL
				7	0	0		100% Polymer-Mud (Grey)							
46.95-47.00	7	D											44.93	46.95	
47.00-48.50											Very stiff extremely to very closely fissured thinly laminated dark brownish grey silty very micaceous glauconitic CLAY with widely spaced very thin to thin beds of very weak to very stiff dark bluish grey volcaniclastic siltstone/claystone/silt/clay. Fissures are randomly orientated planar smooth or rough polished or matt. (HARWICH FORMATION, WRABNESS MEMBER)		-45	47	
47.00	15	ES									. . . 47.05-47.07m: frequent coarse sand sized comminuted shell fragments.				
											. . . 47.56-47.58m: becoming very glauconitic.				
				100	0	0		100% Polymer-Mud (Brown)			. . . 47.68-47.69m: becoming very glauconitic.		-46	48	
											. . . 48.18-48.24m: very weak dark bluish grey volcaniclastic siltstone/claystone.				
48.35-48.50	9	D									. . . 48.32-48.50m: very stiff dark bluish grey volcaniclastic silt/clay.			(3.05)	
48.36-48.47	8	D													
48.50-50.00															
				100	0	0		100% Polymer-Mud (Brown)					-47	49	
											. . . 49.13-49.18m: very stiff dark bluish grey slightly micaceous volcaniclastic silt/clay.				
											. . . 49.22-49.26m: very stiff dark bluish grey volcaniclastic silt/clay.				

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**12** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
49.51-49.65	10	D		100	0	0									
													-47.98	50.00	
50.00-51.50				26	0	0		100% Polymer-Mud (Brown)			Partial recovery (26%). Recovered as very stiff dark bluish grey silty CLAY and very strong bluish grey argillaceous LIMESTONE recovered as angular to sub angular cobbles. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-48	(1.50)	PR/ AZCL
													-49	51	
													-49.48	51.50	
51.50-53.00															
51.50-51.65	11	D									Firm extremely to very closely fissured thinly laminated dark brown slightly micaceous CLAY with medium spaced thin beds of stiff dark bluish grey volcaniclastic silt/clay. Fissures are randomly orientated planar smooth or rough polished or matt. (HARWICH FORMATION, WRABNESS MEMBER)				
52.00-52.10	12	D		84	0	0		95% Polymer-Mud (Grey)			. . . 51.95-52.10m: stiff dark bluish grey slightly micaceous volcaniclastic silt/clay.		-50	52 (1.15)	
											. . . 52.41-52.51m: stiff dark bluish grey volcaniclastic silt/clay.		-50.63	52.65	
											Very strong dark bluish grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-50.78	52.80	AZCL
53.00-54.50											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-50.98	53.00	
53.09-53.47	31	C		100	0	0		100% Water (Grey)			Stiff extremely to very closely fissured thinly laminated dark brown slightly micaceous glauconitic CLAY. Fissures are randomly orientated planar smooth or rough polished. (HARWICH FORMATION, WRABNESS MEMBER)		-51	53 (1.10)	
53.69-54.10	32	C													

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**13** of **52**

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instru-mentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
													-52	54	
54.10-54.20	13	D		100	0	0		100% Water (Grey)			Stiff extremely to very closely fissured thinly laminated dark brown micaceous glauconitic silty CLAY. Fissures are randomly orientated planar smooth or rough polished or matt. (HARWICH FORMATION, ORWELL MEMBER) . . . 54.19-54.24m: very thin bed of stiff light brown slightly micaceous clay.		-52.08	54.10	
54.50-56.00															
54.50-54.90	33	C													
54.90-55.00	14	D											-53	55	
				100	0	0		100% Water (Grey)							
55.32-55.72	34	C												(2.73)	
55.72	WAC9	ES													
56.00-57.50													-54	56	
56.49-56.83	35	C													
				100	0	0		100% Water (Grey)					-54.81	56.83	
56.83-57.22	35A	C									Very stiff extremely to very closely fissured closely laminated dark brown bioturbated micaceous silty CLAY with occasional lenses of dark yellow sand. Fissures are randomly orientated planar smooth or rough matt. Burrows are randomly orientated up to <1 x 4mm infilled with grey silt or dark yellow fine sand. (HARWICH FORMATION, ORWELL MEMBER)		-55	57	
57.50-59.00															
57.87-58.54	36	C		100	0	0		100% Water (Grey)					-56	58	
														(2.82)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**14** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
58.54-58.83	37	C		100	0	0		100% Water (Grey)							
59.00-60.50											. . . 59.22m: becoming firm.		-57	59	
													-57.63	59.65	
59.72-60.09	38	C		100	0	0		100% Water (Grey)			Stiff dark brownish grey mottled light blue clayey SILT. (READING FORMATION)			(0.58)	
													-58	60	
													-58.21	60.23	
60.50-62.00											Stiff light greyish brown mottled light blue silty CLAY with occasional calcrete nodules up to 15 x 9mm. (READING FORMATION) . . . 60.42m: subrounded medium gravel sized weak brownish grey claystone.				
				100	0	0		100% Water (Grey)			. . . 60.90m: becoming stiff light brown mottled light blue slightly silty CLAY		-59	61 (1.77)	
61.39-61.82	39	C											-59.98	62.00	
62.00-63.50											Strong brown mottled bluish grey MUDSTONE. (READING FORMATION)		-60.05	62.07	
62.23-62.75	40	C		100	0	0		100% Water (Grey)			Stiff light brown mottled bluish grey CLAY. (READING FORMATION)			(0.70)	
													-60.75	62.77	
62.82-63.06	41	C									*Description on next sheet*				

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**15** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0		100% Water (Grey)			Firm locally thinly laminated dark brown slightly micaceous SILT. (READING FORMATION)		-61	63	
63.50-65.00														(1.60)	
64.00-64.15	15	D											-62	64	
				57	0	0		100% Water (Grey)							
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-62.35	64.37	
														(0.63)	AZCL
65.00-66.50													-62.98	65.00	
65.18-65.45	42	C									Firm grey slightly sandy SILT. Sand is fine. (READING FORMATION)		-63	65	
														(0.62)	
				100	0	0		100% Polymer-Mud (Brown)					-63.60	65.62	
65.96-66.14	43	C									Firm thinly interlaminated soft grey SILT and dark grey fine SAND. (READING FORMATION) . . . 65.85m: angular medium gravel sized weak brown siltstone.		-64	66	
														(1.01)	
66.50-68.00													-64.61	66.63	
											Soft dark grey sandy SILT. Sand is fine. (READING FORMATION)				
				79	0	0		100% Polymer-Mud (Brown)					-65	67	
67.14-67.44	44	C												(1.06)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19** End: **24.10.20**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.02**	**E:647458.1 N:263990.1**	**16** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
67.44-67.69	45	C													
				79	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-65.67	67.69 (0.31)	AZCL
68.00-69.50								100% Polymer-Mud (Brown)			Very stiff dark brown mottled orangish brown slightly micaceous silty CLAY with frequent nodules of light yellow calcrete up to 21x11mm. (READING FORMATION) . . . 68.20m: lens of calcrete up to 7mm thick.		-65.98	68.00	
68.27-68.72	46	C											-66	68	
68.72-69.27	47	C		100	0	0							-67	69 (2.37)	
69.50-71.00 69.50-70.11	48	C													
70.11-70.37	49	C		100	0	0		100% Polymer-Mud (Grey)					-68	70	
													-68.35	70.37	
71.00-72.50 71.00-71.28	50	C									Very stiff multicoloured (bluish grey mottled blue and yellow and spotted red; ferricrete) micaceous clayey SILT with occasional lenses of light grey fine sand up to 5 x 2mm. (READING FORMATION)		-69	71	
				100	0	0		100% Polymer-Mud (Grey)						(2.13)	
71.81-72.17	51	C													

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19** End: **24.10.20**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.02**	**E:647458.1 N:263990.1**	**17** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
72.14-72.50	52	C		100	0	0		100% Polymer-Mud (Grey)					-70	72	
72.50-74.00											Very stiff very closely to closely fissured dark brown mottled grey glauconitic micaceous CLAY. Fissures are vertically orientated and inclined planar smooth matt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-70.48	72.50 (0.40)	
73.02-73.43	53	C		100	0	0					Very stiff very closely to closely fissured thinly laminated dark grey micaceous glauconitic CLAY. Fissures are randomly orientated planar smooth polished or matt (mostly polished). (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-70.88	72.90	
73.70-74.00	54	C											-71	73 (1.92)	
74.00-75.50				100	0	0		100% Polymer-Mud (Grey)					-72	74	
75.00-75.15	16	D									Stiff extremely closely to very closely fissured thinly laminated dark grey glauconitic micaceous CLAY. Fissures are randomly oriented (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-72.80	74.82	
75.50-77.00													-73	75 (1.65)	
75.84-76.11	55	C		100	0	0		100% Polymer-Mud (Grey)					-74	76	
76.11-76.47	56	C													

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**18** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
													-74.45	76.47	
76.55-77.00	57	C		100	0	0		100% Polymer-Mud (Grey)			Very stiff very closely to closely fissured thinly laminated dark grey slightly bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated planar smooth polished or matt (mostly polished). Burrows are up to 14 x 3mm infilled light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)				
77.00-78.50													-75	77	
77.43-77.88	58	C		100	0	0									
77.88-78.11	59	C											-76	78	
78.50-80.00															
78.50-78.84	60	C											-77	79	
79.13-79.55	61	C		100	0	0		100% Polymer-Mud (Grey)						(5.46)	
79.55-79.78	62	C													
80.00-81.50													-78	80	
80.20-80.56	63	C		100	0	0		100% Polymer-Mud (Grey)							
80.76-81.20	64	C													

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**19** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
81.50-83.00				100	0	0		100% Polymer-Mud (Grey)					-79.91	81.93	
81.50-81.93	65	C									Very stiff very closely to closely fissured thinly laminated dark reddish brown bioturbated glauconitic micaceous silty CLAY. Fissures are randomly orientated planar smooth polished or matt. Burrows are up to 13 x 3mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)		-80.71	82.73 (0.80)	
83.00-84.50				100	0	0		100% Polymer-Mud (Grey)			Stiff dark greenish grey very glauconitic micaceous CLAY. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1) . . . 82.82-83.00m: flint band. Cobble sized fragment of nodular flint with a thin cortex.		-80.98	83.00 (2.54)	
83.16-83.55	66	C									Very weak medium density closely jointed (NI/185/485) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 4-10° medium spaced (110/282/770) planar or undulating rough generally clean locally with no black specks, lightly stained yellow, no infill. Gently inclined joints: 15-28° widely spaced (95/847/1675) planar or undulating rough clean. Inclined joints: 39-43° widely spaced (200/857/1240) planar or undulating rough clean or with frequent black specks , unstained, no infill. Subvertical joints: 86° planar rough with frequent black specks, unstained, no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade A3) . . . 83.06m: flint band. Fine to medium gravel sized fragments of nodular flint with thin cortexes. . . . 83.93m: inoceramid bivalave shell fragments (up to 7 x 3mm).				
83.53-83.86	67	C		100	85	73		100% Polymer-Mud (Grey)					-82	84	
84.18-84.50	68	C													
84.50-86.00				100	63	45		100% Polymer-Mud (Grey)					-83	85	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
											. . . 85.32m: shell fragment (up to 8 x 6mm). . . . 85.47-85.54m: non-intact.	13 14	-83.52	85.54	
86.00-87.50				100	63	45		0% Polymer-Mud			Very weak medium density medium jointed (NI/215/1730) white burrow mottled light grey CHALK with occasional black specks. Bedding fractures: 1-10° medium spaced (30/286/1730) planar or undulating or stepped rough clean or with frequent black specks, yellow staining, no infill. Gently inclined joints: 12-29° widely spaced (20/1405/3260) planar or undulating rough generally clean locally with frequent black specks, yellow stained, no infill. Inclined joints: 32-58° very widely spaced (100/2583/12145) planar or undulating or stepped rough clean or with frequent black specks, yellow staining, no infill. Steeply inclined joints: 78° planar rough clean. Subvertical joints: 82-84° very widely spaced (1150/5177/8850) planar rough with frequent black specks, unstained, no infill. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade A2) . . . 85.54-85.79m: medium strong very high density locally green glauconite-mineralised hardground. . . . 85.79-85.81m: non-intact. . . . 86.00-86.11m: Assumed zone of core loss. . . . 86.10-86.24m: non-intact. . . . 86.39m: shell fragment (up to 15 x 9mm). . . . 86.43-86.48m: non-intact. . . . 86.96-87.10m: frequent black-stained sponge beds. . . . 87.00-87.15m: flint band. Fine to coarse gravel sized fragments of nodular flint with thin cortexes. . . . 87.04-87.13m: non-intact (putified). . . . 87.40-87.50m: Assumed zone of core loss.	15 16 17 18 19 20 21 22 23 24 25 26 27	-84 -85	86 (1.96) 87	
				93	65	50									
87.50-89.00				13	0	0		0% Polymer-Mud			Minimal recovery (13%). Recovered as very weak medium density medium jointed (NI/215/1730) white burrow mottled light grey CHALK with occasional black specks. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED))		-85.48 -86	87.50 88 (1.50)	MR / AZCL
89.00-90.50				100	78	78		0% Polymer-Mud			Very weak medium density medium jointed (NI/215/1730) white burrow mottled light grey CHALK with occasional black specks. Bedding fractures: 1-10° medium spaced (30/286/1730) planar or undulating or stepped rough clean or with frequent black specks, yellow staining, no infill. Gently inclined joints: 12-29° widely spaced (20/1405/3260) planar or undulating rough generally clean locally with frequent black specks, yellow stained, no infill. Inclined joints: 32-58° very widely spaced (100/2583/12145) planar or undulating or stepped rough clean or with frequent black specks, yellow staining, no infill. Steeply inclined joints: 78° planar rough clean. Subvertical	28 29 30 31 32 33	-86.98 -87	89.00 89	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**21** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	78	78		0% Polymer-Mud			joints: 82-84° very widely spaced (1150/5177/8850) planar rough with frequent black specks, unstained, no infill. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED)) . . . 89.00-89.17m: non-intact. . . . 89.47m: shell fragment (up to 4 x 4mm). . . . 89.71-89.78m: frequent black-stained sponge beds.	34	-88	90	
90.50-92.00											. . . 89.94m: shell fragment (up to 7 x 5mm). . . . 90.56-90.83m: frequent shell fragments (up to 12 x 9mm).	35 36 37			
				100	81	81		0% Polymer-Mud			. . . 91.01-91.15m: frequent shell fragments (up to 9 x 8mm).	38	-89	91	
92.00-93.50											. . . 91.46m: inoceramid bivalve shell fragment (up to 14 x 3mm).	39 40 41 42	-90	92	
92.19-92.71	69	C									. . . 92.13-92.19m: flint band. Fine to medium gravel sized fragments of nodular flint with thick cortexes. . . . 92.21-92.37m: frequent black-stained sponge beds.	43 44			
				100	83	77		0% Polymer-Mud				45 46 47 48	-91	93	
93.05-93.35	70	C									. . . 93.26m: shell fragment (up to 19 x 8mm). . . . 93.35m: non-intact.	49			
93.50-95.00															
93.50-93.91	71	C													
				100	75	70		0% Polymer-Mud				50 51 52 53	-92	94	
											Description on next sheet				

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**22** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata
95.00-96.50				100	75	70		0% Polymer-Mud			. . . 94.29-94.33m: frequent black-stained sponge beds. . . . 94.35-94.56m: non-intact. . . . 94.44m: inoceramid bivalve shell fragment (up to 20 x 3mm).
95.57-96.06	72	C		100	87	80		0% Polymer-Mud			. . . 95.34-95.46m: frequent shell fragments (up to 19 x 12mm).
96.50-98.00				100	91	91		0% Polymer-Mud			. . . 96.59m: fragment of belemnite rostrum (40 x 11mm). . . . 96.71-96.72m: flint band. Fine gravel sized fragments of nodular flint with thin cortexes. . . . 96.88-96.92m: frequent black-stained sponge beds. . . . 97.15m: shell fragment (up to 25 x 15mm).
98.00-99.50				100	85	85		0% Polymer-Mud			. . . 98.35-98.38m: flint band. Fine to medium gravel sized fragments of nodular flint with thin cortexes. . . . 98.56-98.60m: flint band. Fine to medium gravel sized fragments of nodular flint with thin cortexes. . . . 98.60-98.67m: non-intact.

Fracture Log: 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75

Reduced Level: -93, -94, -95, -96

Depth (Thickness): (12.00), 95, 96, 97, 98

Legend

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_3**

Contract Ref:	Start: **10.09.19** End: **24.10.20**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**2.02**	**E:647458.1 N:263990.1**	**23** of **52**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
99.50-101.00				100	85	85		0% Polymer-Mud			. . . 98.85-98.93m: non-intact. . . . 98.93-99.70m: thinned by drilling.	76 77	-97	99	
				100	85	73		0% Polymer-Mud			. . . 99.70-99.74m: non-intact. . . . 100.10-100.29m: occasional shell fragments (up to 20 x 12mm).	78 79 80 81 82 83 84 85	-98	100	
											Borehole terminated at 101.00m depth.		-98.98	101.00 101	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M-I-6**	**David Henderson**	**SHinton + HSkaleld**	[redacted]

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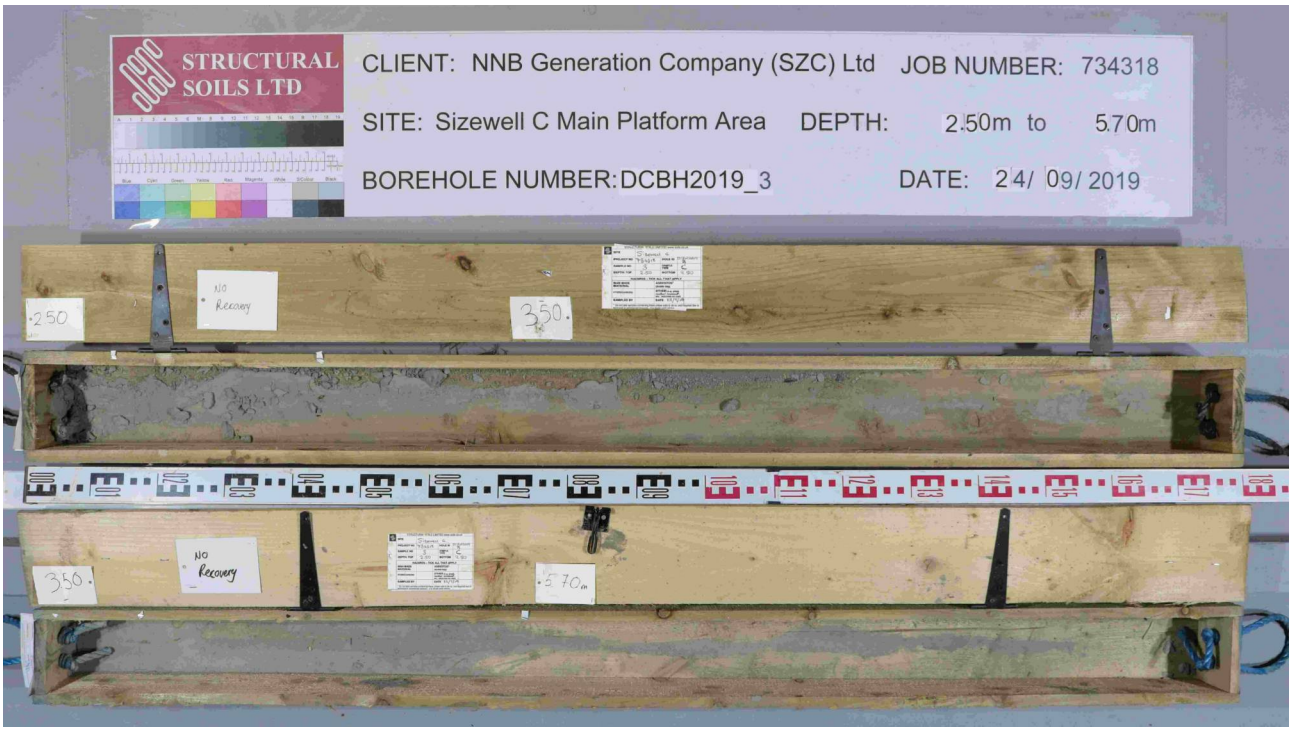
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
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DCBH2019_3 1.20m - 2.50m depth.





DCBH2019_3 2.50m - 5.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_3 5.70m - 7.25m depth.





DCBH2019_3 7.25m - 8.75m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
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DCBH2019_3 8.75m - 11.00m depth.





DCBH2019_3 11.00m - 12.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 12.50m - 14.00m depth





DCBH2019_3 14.00m - 16.25m depth

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 16.25m - 18.50m depth





DCBH2019_3 18.50m - 20.00m depth

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 20.00m - 21.50m depth.





DCBH2019_3 21.50m - 23.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 23.00m - 25.25m depth.





DCBH2019_3 25.25m - 26.75m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

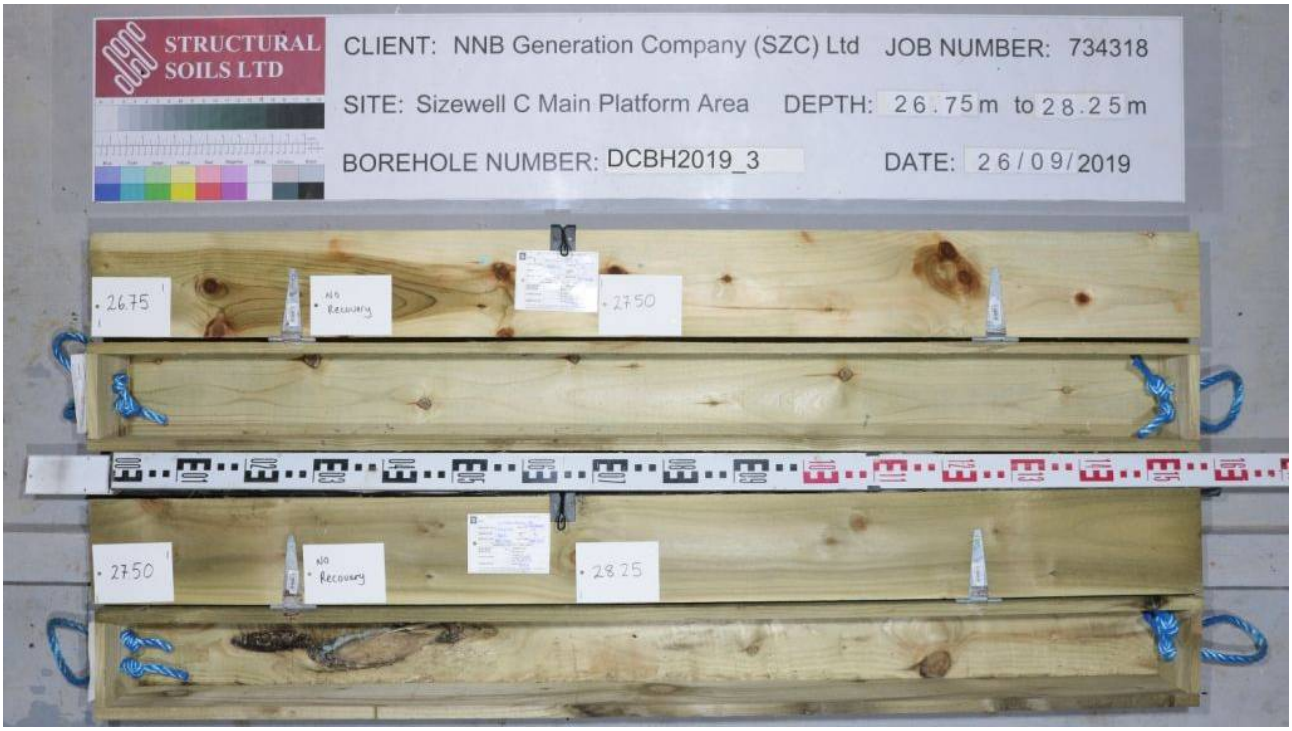
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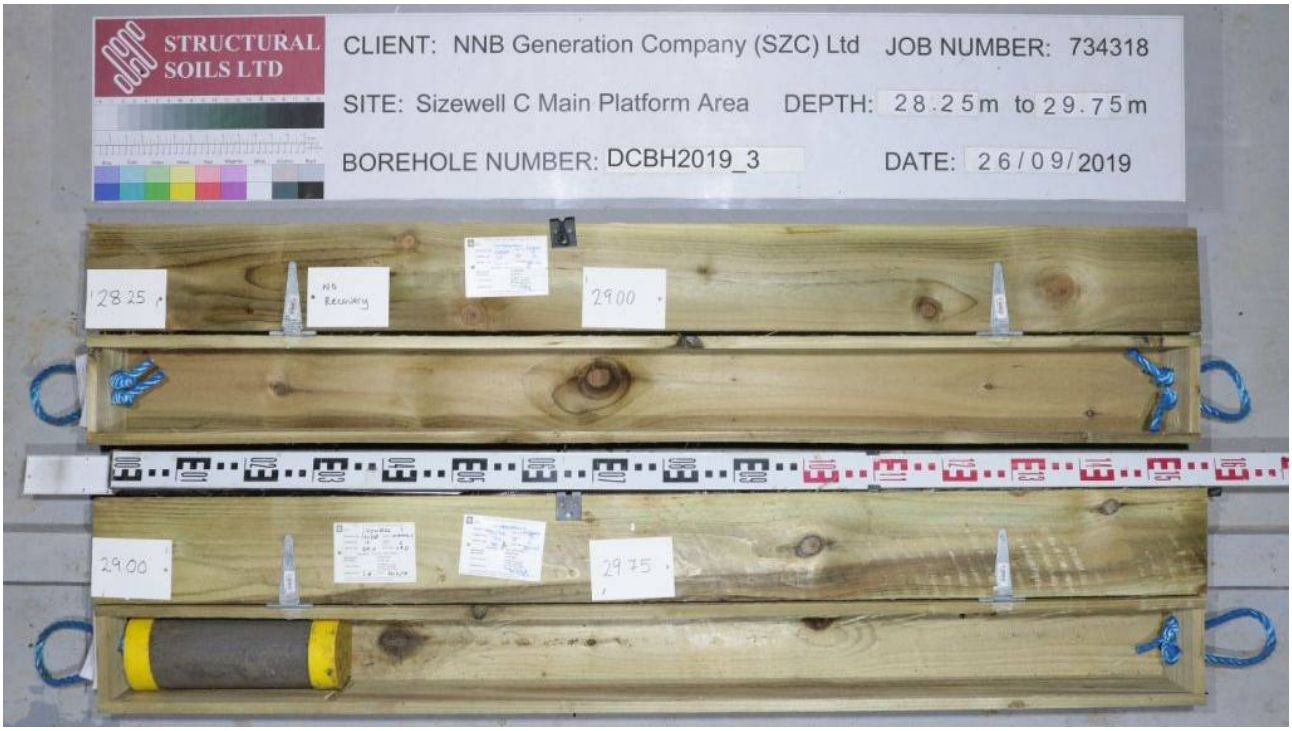
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 26.75m - 28.25m depth.





DCBH2019_3 28.25m - 29.75m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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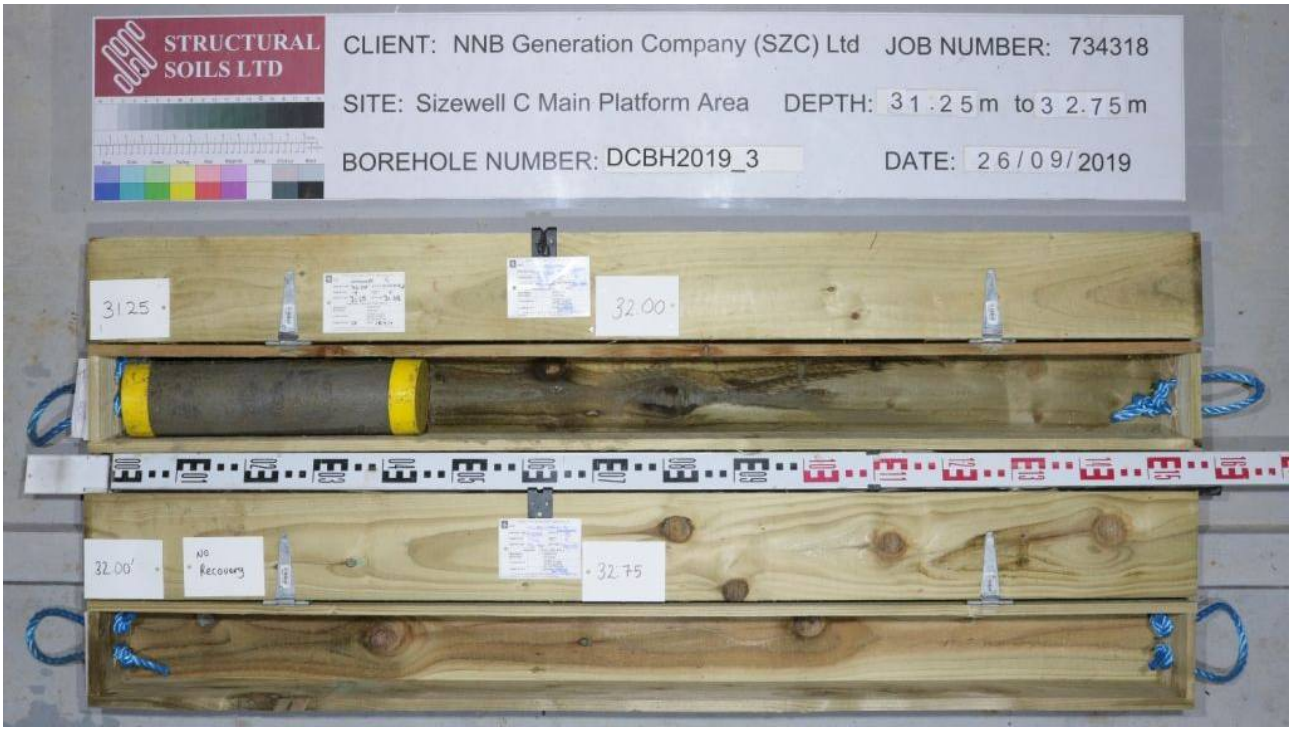
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 29.75m - 31.25m depth.





DCBH2019_3 31.25m - 32.75m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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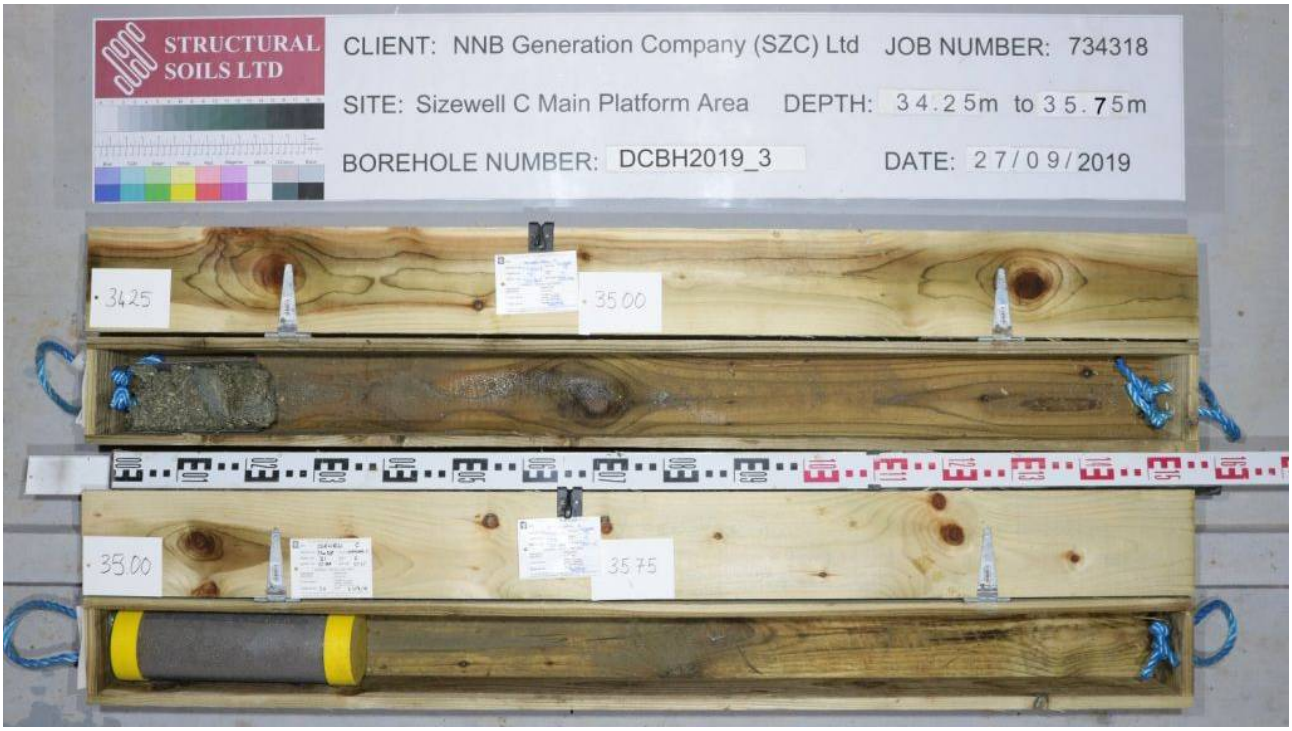
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 32.75m - 34.25m depth.





DCBH2019_3 34.25m - 35.75m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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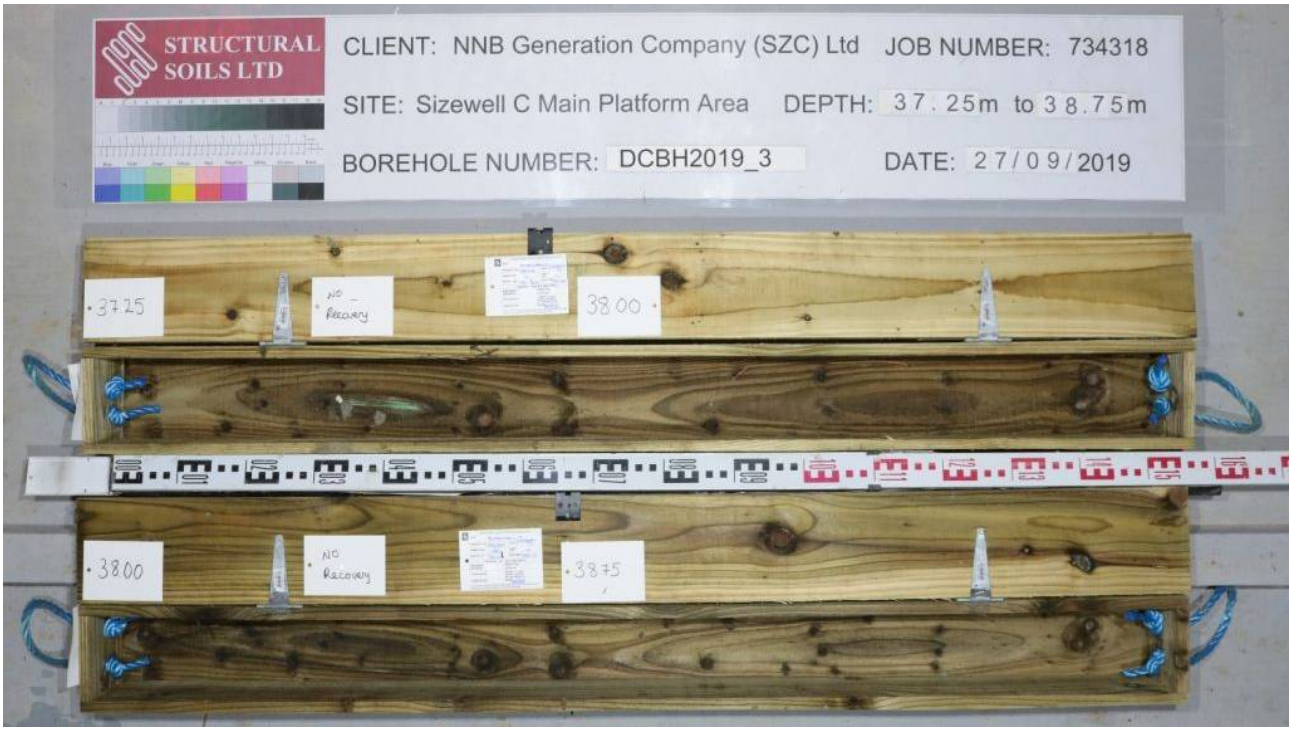
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 35.75m - 37.25m depth.





DCBH2019_3 37.25m - 38.75m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
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DCBH2019_3 38.75m - 40.25m depth.





DCBH2019_3 40.25m - 41.75m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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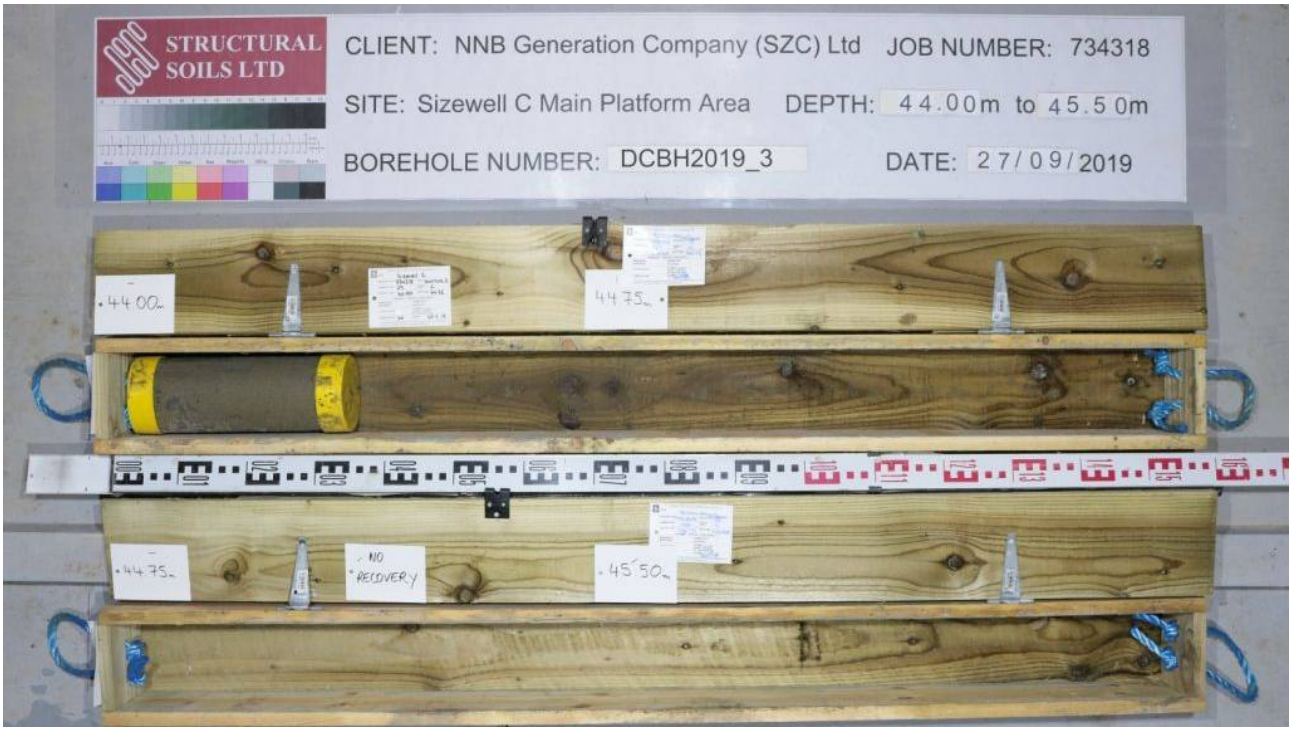
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 41.75m - 44.00m depth.





DCBH2019_3 44.00m - 45.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

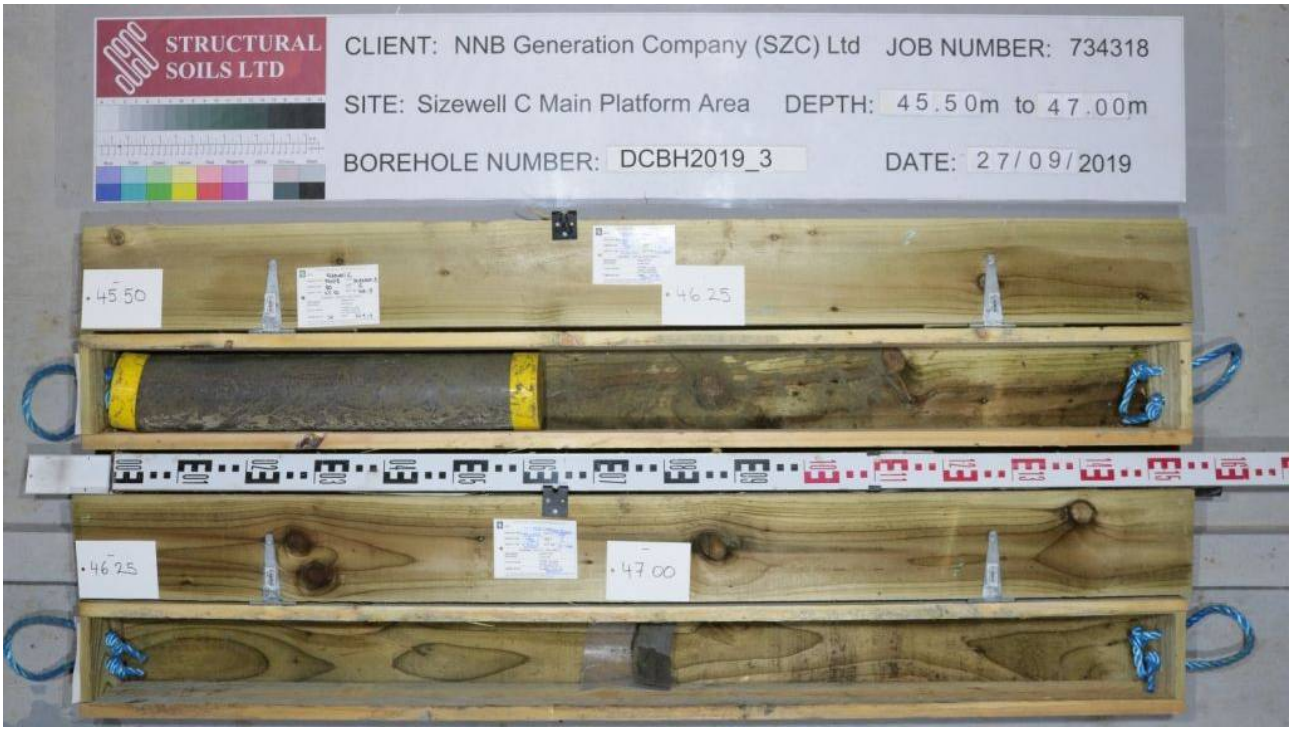
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 45.50m - 47.00m depth.





DCBH2019_3 47.00m - 50.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 47.00m - 50.00m depth (Split).





DCBH2019_3 50.00m - 53.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 50.00m - 53.00m depth (Split).





DCBH2019_3 53.00m - 56.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 53.00m - 56.00m depth (Split).





DCBH2019_3 56.00m - 59.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 56.00m - 59.00m depth (Split).





DCBH2019_3 59.00m - 62.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 59.00m - 62.00m depth (Split).





DCBH2019_3 62.00m - 65.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 62.00m - 65.00m depth (Split).





DCBH2019_3 65.00m - 68.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 65.00m - 68.00m depth (Split).





DCBH2019_3 68.00m - 71.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_3 68.00m - 71.00m depth (Split).





DCBH2019_3 71.00m - 74.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**46** of **52**

DCBH2019_3 71.00m - 74.00m depth (Split).





DCBH2019_3 74.00m - 77.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:26 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**47** of **52**

DCBH2019_3 74.00m - 77.00m depth (Split).





DCBH2019_3 77.00m - 80.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:27 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**48** of **52**

DCBH2019_3 77.00m - 80.00m depth (Split).





DCBH2019_3 80.00m - 83.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:27 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**49** of **52**

DCBH2019_3 80.00m - 83.00m depth (Split).





DCBH2019_3 83.00m - 86.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:27 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**50** of **52**

DCBH2019_3 86.00m - 89.00m depth.





DCBH2019_3 89.00m - 92.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:27 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**51** of **52**

DCBH2019_3 92.00m - 95.00m depth.





DCBH2019_3 95.00m - 98.00m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:27 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_3**
Contract Ref:	Start: **10.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **24.10.20**	**2.02**	**E:647458.1 N:263990.1**	**52** of **52**

DCBH2019_3 98.00m - 101.00m depth.



Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M-I-6**	Drilled By:	**David Henderson**	Logged By:	**SHinton + HSkaleld**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:27 | ST9 |

SUMMARY OF DISCONTINUITIES - DCBH2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	83.04	BF	10	U-R	-	-	-	Clean	BEECK	CHALK
2	83.11	BF	8	P-R	-	-	-	Clean	BEECK	CHALK
3	83.53	BF	4	P-R	-	-	-	Clean	BEECK	CHALK
4	83.86	BF	8	U-R	-	-	-	Clean	BEECK	CHALK
5	84.00	BF	5	U-R	-	-	-	Clean	BEECK	CHALK
6	84.11-84.15	J	39	U-R	-	-	-	Frequent black specks,	BEECK	CHALK
								unstained, no infill.		
7	84.19	BF	8	P-R	-	-	-	Clean	BEECK	CHALK
8	84.66-84.69	J	28	U-R	-	-	-	Clean	BEECK	CHALK
9	84.77	BF	15	P-R	-	-	-	Clean	BEECK	CHALK
10	84.96	BF	10	P-R	-	-	-	Clean	BEECK	CHALK
11	85.10	BF	9	P-R	-	-	-	No black specks, lightly	BEECK	CHALK
								stained yellow, no infill.		
12	85.34-85.40	J	43	P-R	-	-	-	Clean	BEECK	CHALK
13	85.38	BF	4	P-R	-	-	-	Clean	BEECK	CHALK
14	85.38-85.47	J	86	P-R	-	-	-	Frequent black specks,	BEECK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

STRUCTURAL SOILS
The Old School
Stillhouse Lane
Bedminster
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Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 1 of 7

SUMMARY OF DISCONTINUITIES - DCBH2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
15	85.66	J	35	U-R	-	-	-	Clean	PCF	CHALK
16	85.69-85.76	J	78	P-R	-	-	-	Clean	PCF	CHALK
17	85.79	BF	6	P-R	-	-	-	Clean	PCF	CHALK
18	85.89	BF	4	U-R	-	-	-	Clean	PCF	CHALK
19	86.23-86.24	J	29	U-R	-	-	-	Clean	PCF	CHALK
20	86.41-86.45	J	32	P-R	-	-	-	Clean	PCF	CHALK
21	86.48-86.49	J	21	P-R	-	-	-	Clean	PCF	CHALK
22	86.60	BF	10	U-R	-	-	-	No black specks, moderately	PCF	CHALK
								stained yellow, no infill.		
23	87.02	BF	4	P-R	-	-	-	Clean	PCF	CHALK
24	87.05-87.07	J	17	P-R	-	-	-	Clean	PCF	CHALK
25	87.12-87.14	J	21	U-R	-	-	-	Clean	PCF	CHALK
26	87.31	BF	7	U-R	-	-	-	No black specks, moderately	PCF	CHALK
								stained yellow, no infill.		
27	87.44	BF	9	P-R	-	-	-	Frequent black specks,	PCF	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
28	89.17	BF	7	S-R	-	-	-	Clean	PCF	CHALK
29	89.28	BF	8	S-R	-	-	-	Clean	PCF	CHALK
30	89.36	BF	6	S-R	-	-	-	No black specks, moderately	PCF	CHALK
								stained yellow, no infill.		
31	89.44	BF	8	P-R	-	-	-	Clean	PCF	CHALK
32	89.52	BF	2	S-R	-	-	-	Clean	PCF	CHALK
33	89.83	BF	4	P-R	-	-	-	Clean	PCF	CHALK
34	89.97-89.99	J	27	U-R	-	-	-	No black specks, locally	PCF	CHALK
								lightly stained yellow, no infill.		
35	90.36	BF	2	P-R	-	-	-	Clean	PCF	CHALK
36	90.71	BF	3	U-R	-	-	-	Frequent black specks,	PCF	CHALK
								unstained, no infill.		
37	90.78	BF	3	U-R	-	-	-	Clean	PCF	CHALK
38	91.06	BF	8	P-R	-	-	-	Clean	PCF	CHALK
39	91.37	BF	10	P-R	-	-	-	Frequent black specks,	PCF	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								moderately stained yellow, no		
								infill.		
40	91.74	BF	7	S-R	-	-	-	Clean	PCF	CHALK
41	91.91	BF	9	P-R	-	-	-	Clean	PCF	CHALK
42	91.94	BF	9	P-R	-	-	-	Frequent black specks,	PCF	CHALK
								unstained, no infill.		
43	92.13-92.15	J	24	P-R	-	-	-	Clean	PCF	CHALK
44	92.18	BF	7	U-R	-	-	-	Clean	PCF	CHALK
45	92.71	BF	5	P-R	-	-	-	Clean	PCF	CHALK
46	92.84	BF	2	P-R	-	-	-	Clean	PCF	CHALK
47	92.94	BF	3	P-R	-	-	-	Clean	PCF	CHALK
48	93.05	BF	10	P-R	-	-	-	No black specks,slightly	PCF	CHALK
								stained yellow, no infill.		
49	93.35	BF	3	U-R	-	-	-	Frequent black specks,	PCF	CHALK
								unstained, no infill.		
50	93.95	BF	4	U-R	-	-	-	No black specks, moderately	PCF	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								stained yellow, no infill.		
51	93.98	BF	7	U-R	-	-	-	Clean	PCF	CHALK
52	94.23	BF	10	P-R	-	-	-	Frequent black specks,	PCF	CHALK
								unstained, no infill.		
53	94.33	BF	7	S-R	-	-	-	Clean	PCF	CHALK
54	94.33-94.45	J	84	P-R	-	-	-	Frequent black specks,	PCF	CHALK
								unstained, no infill.		
55	94.45	BF	5	U-R	-	-	-	Clean	PCF	CHALK
56	94.65	BF	8	P-R	-	-	-	Clean	PCF	CHALK
57	94.79	BF	7	P-R	-	-	-	Clean	PCF	CHALK
58	95.09-95.10	J	22	U-R	-	-	-	Clean	PCF	CHALK
59	95.15	BF	7	P-R	-	-	-	Clean	PCF	CHALK
60	95.28	BF	2	P-R	-	-	-	Clean	PCF	CHALK
61	95.56	BF	4	U-R	-	-	-	Clean	PCF	CHALK
62	96.07	BF	1	P-R	-	-	-	No black specks, moderately	PCF	CHALK
								stained yellow, no infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
63	96.39	BF	9	P-R	-	-	-	Clean	PCF	CHALK
64	96.46	BF	5	U-R	-	-	-	Clean	PCF	CHALK
65	96.69	BF	4	P-R	-	-	-	Clean	PCF	CHALK
66	96.82	BF	2	U-R	-	-	-	Clean	PCF	CHALK
67	97.61	BF	10	P-R	-	-	-	Clean	PCF	CHALK
68	97.79	BF	2	P-R	-	-	-	Clean	PCF	CHALK
69	98.13	BF	4	P-R	-	-	-	Clean	PCF	CHALK
70	98.35-98.36	J	21	P-R	-	-	-	Clean	PCF	CHALK
71	98.37-98.38	J	23	P-R	-	-	-	Frequent black specks,	PCF	CHALK
								unstained, no infill.		
72	98.56-98.59	J	50	U-R	-	-	-	Frequent black specks,	PCF	CHALK
								unstained, no infill.		
73	98.60	BF	8	P-R	-	-	-	Clean	PCF	CHALK
74	98.67	BF	8	P-R	-	-	-	Clean	PCF	CHALK
75	98.85	BF	10	P-R	-	-	-	No black specks, moderately	PCF	CHALK
								stained yellow, no infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
76	98.93	BF	7	P-R	-	-	-	Clean	PCF	CHALK
77	99.19	BF	8	P-R	-	-	-	No black specks, lightly	PCF	CHALK
								stained yellow, no infill.		
78	99.70	BF	12	P-R	-	-	-	Clean	PCF	CHALK
79	99.74	BF	10	U-R	-	-	-	Clean	PCF	CHALK
80	99.84-99.87	J	37	S-R	-	-	-	No black specks, moderately	PCF	CHALK
								stained yellow, no infill.		
81	99.85-99.99	J	82	P-R	-	-	-	Frequent black specks,	PCF	CHALK
								unstained, no infill.		
82	99.92-99.99	J	58	U-R	-	-	-	Frequent black specks,	PCF	CHALK
								unstained, no infill.		
83	99.99	BF	3	P-R	-	-	-	Clean	PCF	CHALK
84	100.31	BF	9	P-R	-	-	-	Clean	PCF	CHALK
85	100.74	BF	10	P-R	-	-	-	Clean	PCF	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

STRUCTURAL SOILS
The Old School
Stillhouse Lane
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Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 7 of 7 [redacted]

STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**1** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
0.00-0.30	1	B									MADE GROUND: Yellowish brown slightly gravelly slightly silty fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)			0 (0.30)	
0.10	101	ES													
0.10	WAC1	ES													
0.20	2	D											1.55	0.30	
0.30	102	ES									MADE GROUND: Orangish brown slightly gravelly slightly silty fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)				
0.30-1.20	3	B												(0.90)	
0.50	103	ES											1		
0.50	WAC2	ES												1	
0.60	4	D													
1.00	104	ES											0.65	1.20	
1.20-2.20											Yellowish brown fine to coarse SAND with occasional comminuted fine gravel sized shell and occasional flasers of silt (2 x 8mm). (SUPERFICIAL DEPOSITS - SAND)			(0.66)	
1.30	105	ES	1xT+2xJ+1xV	66	0	0		100% Water (Brown)					-0.01	1.86	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.34)	AZCL
2.20-2.90													-0.35	2.20	
2.40	106	ES	1xT+2xJ+1xV	61	0	0		100% Water (Brown)			Greenish brown mottled light green fine to coarse SAND with pockets of black spongy pseudo-fibrous peat (2 x 12mm) and with frequent rootlets and occasional roots. (SUPERFICIAL DEPOSITS - SAND) . . . 2.20-2.31m: thin bed of black spongy pseudo fibrous peat containing frequent rootlets and occasional roots. . . . 2.46-2.58m: thin bed of black spongy pseudo fibrous peat containing frequent rootlets and occasional roots.			(0.43)	
													-0.78	2.63	AZCL
2.90-3.70													-1.05	2.90	
3.00	107	ES	1xT+2xJ+1xV	26	0	0		100% Water (Brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS) Partial recovery (26%). Recovered as grey mottled orangish brown gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to coarse of flint and iron concretions. (SUPERFICIAL DEPOSITS - SAND)			(0.80)	PR/ AZCL
3.70-4.45													-1.85	3.70	
3.70	108	ES	1xT+2xJ+1xV	32	0	0		50% Water (Brown)			Partial recovery (32%). Recovered as soft light bluish grey mottled greenish grey silty CLAY with frequent pockets of black spongy pseudo-fibrous peat (2 x 10 x 9mm) and occasional rootlets up to 20mm in diameter. (SUPERFICIAL DEPOSITS - CLAY)			(0.75)	PR/ AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
22/07/19	06:00	0.00	None	N/R	-
23/07/19	08:00	0.00	None	N/R	-
23/07/19	18:00	1.20	None	N/R	1.20
24/07/19	08:00	1.20	None	N/R	-
24/07/19		1.20	None	200	-
24/07/19		1.20	None	200	-
25/07/19		2.20	2.20	200	1.50
26/07/19	08:00	2.20	2.20	200	0.40

General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Inspection pit hand dug to 1.20m depth.
4. Water seepage at 1.20m depth.

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted] IS

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**2** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
4.45-5.20				0	0	0		0% Water			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-2.60 -3 -3.35	4.45 (0.75) 5 5.20	AZCL
5.20-5.95 5.30	109	ES	1xT+2xJ+1xV	73	0	0		0% Water			Soft dark grey mottled greenish grey silty CLAY with occasional relict rootlets and occasional pockets of black spongy pseudo-fibrous peat (up to 5 x 25mm). (SUPERFICIAL DEPOSITS - CLAY)		-3.90	(0.55) 5.75	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS) . . . 5.75-5.95m:Assumed zone of core loss.		-4 -4.10	5.95	AZCL
5.95-6.70				64	0	0		0% Water			Soft dark grey mottled greenish grey silty CLAY with occasional relict rootlets and occasional pockets of black spongy pseudo-fibrous peat (up to 5 x 25mm). (SUPERFICIAL DEPOSITS - CLAY)		-4.58	6 (0.48) 6.43	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-4.85	6.70	AZCL
6.70-7.45				71	0	0		0% Water			Soft dark grey mottled greenish grey silty CLAY with occasional relict rootlets and occasional pockets of black spongy pseudo-fibrous peat (up to 5 x 25mm). (SUPERFICIAL DEPOSITS - CLAY)		-5 -5.38	(0.53) 7 7.23	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-5.60	7.45	AZCL
7.45-8.20				15	0	0		50% Water (Grey)			Minimal recovery (15%). Recovered as soft dark grey mottled greenish grey silty CLAY with occasional relict rootlets and occasional pockets of black spongy pseudo-fibrous peat (up to 5 x 25mm). (SUPERFICIAL DEPOSITS - CLAY)		-6 -6.35	(0.75) 8 8.20	MR/ AZCL
8.20-8.95 8.30 8.30	110 WAC3	ES ES	1xT+2xJ+1xV 1xT+1xJ+1xV	41	0	0		50% Water (Grey)			Partial recovery (41%). Recovered as firm black pseudo-fibrous PEAT with occasional relict rootlets and rare plant remains (up to 2 x 4mm). (SUPERFICIAL DEPOSITS - PEAT)		-7	(0.75)	PR/ AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
26/07/19	11:00	5.95	2.20	200	0.90
29/07/19	12:00	5.95	5.50	200	0.47
29/07/19	18:00	10.45	5.50	200	-
30/07/19	08:00	10.45	5.50	200	-
30/07/19	18:00	17.20	16.20	200	4.50
31/07/19	08:00	17.20	17.00	200	0.40
31/07/19	18:00	22.45	22.45	200	0.00
01/08/19	08:00	22.45	22.45	200	2.30

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted] IS

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**3** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
8.95-9.70 9.00	111	ES	1xT+2xJ+1xV	43	0	0		50% Water (Grey)			Partial recovery (43%). Recovered as soft dark greyish brown mottled yellowish brown fine to coarse SAND with occasional pockets of firm black pseudo-fibrous peat (up to 5 x 15mm). (SUPERFICIAL DEPOSITS - SAND)		-7.10 -7.85	8.95 9 (0.75) 9.70	PR/ AZCL
9.70-10.45				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-8 -8.60	10 (0.75) 10.45	AZCL
10.45-11.20				40	0	0		100% Water (Grey)			Partial recovery (40%). Recovered as dark greyish brown mottled black slightly clayey fine to coarse SAND with occasional pockets of spongy black pseudo-fibrous peat and rare coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-9 -9.35	(0.75) 11 11.20	PR/ AZCL
11.20-11.95				19	0	0		100% Water (Grey)			Minimal recovery (19%). Recovered as dark greyish brown mottled black slightly clayey fine to coarse SAND with occasional pockets of peat. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-10 -10.10	(0.75) 11.95	MR/ AZCL
11.95-12.70				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-10.85	12 (0.75) 12.70	AZCL
12.70-13.45				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-11	13 (0.75)	AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
01/08/19	18:00	34.45	34.45	200	3.50
02/08/19	08:00	34.45	34.45	200	0.30
02/08/19	18:00	35.20	35.20	200	2.50
03/08/19	08:00	35.20	35.20	200	2.00
03/08/19	15:45	41.95	41.95	200	0.20
04/08/19	07:30	41.95	41.95	200	2.00
04/08/19	16:00	47.20	46.50	200	0.60
06/08/19	08:00	47.20	46.50	200	2.20

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**4** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
13.45-14.20				92	0	0		100% Water (Greyish brown)			Dark yellowish brown mottled dark grey slightly clayey fine to coarse SAND with occasional coarse sand to fine gravel sized comminuted shells and occasional thick laminae of silt. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-11.60	13.45	AZCL
													-12	(0.75)	
											. . . 14.14-14.20m: Assumed zone of core loss.		-12.35	14.20	
14.20-14.95															
14.40-14.95	1	C		91	0	0		100% Water (Greyish brown)			Dark yellowish brown mottled dark grey clayey fine to coarse SAND with occasional coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-13	(1.47)	
											. . . 14.88-14.95m: Assumed zone of core loss.				
14.95-15.70															
15.20-15.70	2	C		96	0	0		100% Water (Greyish brown)					-13.82	15.67	
15.70-16.45				41	0	0		100% Water (Greyish brown)			Partial recovery (41%). Recovered as dark yellowish brown mottled dark grey clayey fine to coarse SAND with occasional coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-14	(0.78)	PR / AZCL
16.45-17.20													-14.60	16.45	
16.45	112	ES	1xT+2xJ+1xV	71	0	0		100% Water (Greyish brown)			Dark yellowish brown mottled dark bluish grey silty fine to coarse SAND with frequent fine gravel sized comminuted shells and occasional flasers of orangish brown clay (up to 3 x 12mm). (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-15	(0.53)	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-15.13	16.98	
													-15.35	17.20	AZCL
17.20-17.95				23	0	0		100% Water (Grey)			Minimal recovery (23%). Recovered as dark yellowish brown grey silty fine to coarse SAND with frequent gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-16	(0.75)	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
06/08/19	18:00	56.20	48.00	200	3.60
07/08/19	07:30	56.20	56.20	200	0.80
07/08/19	18:00	72.70	72.70	200	2.00
08/08/19	07:30	72.70	72.70	200	2.50
08/08/19	18:00	76.45	76.45	200	3.60
09/08/19	07:30	76.45	76.45	200	-
12/08/19	07:00	76.45	76.45	200	-
13/08/19		76.45	76.45	200	3.40

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**5** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
17.95-18.70				25	0	0		100% Water (Grey)			Minimal recovery (25%). Recovered as dark yellowish brown grey silty fine to coarse SAND with frequent gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-16.10	17.95 18 (0.75) 16.85 18.70	MR / AZCL
18.70-19.45				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-17	19 (0.75) 17.60 19.45	AZCL
19.45-20.20				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-18	(0.75) 20 18.35 20.20	AZCL
20.20-20.95				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-19	(0.75) 19.10 20.95	AZCL
20.95-21.70				89	0	0		100% Water (Grey)			Dark greenish grey silty fine to medium SAND with abundant fine gravel sized comminuted shells and occasional flasers of grey silt (up to 15 x 20mm). (RED CRAG FORMATION (UNDIFFERENTIATED))			21	
21.70-22.45											. . . 21.62-21.70m: Assumed zone of core loss.		-20		
21.90-22.45	3	C		100	0	0		100% Water (Grey)						22 (2.25)	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
14/08/19	07:30	76.45	76.45	200	-
15/08/19	08:30	76.45	76.45	200	0.00
15/08/19	18:00	81.70	81.70	200	0.60
16/08/19	08:00	81.70	81.70	200	0.00
16/08/19	18:00	95.20	95.20	200	1.40
17/08/19	07:30	95.20	95.20	200	1.20
17/08/19	16:00	102.70	102.70	200	0.80
29/08/19	07:30	102.70	102.70	200	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**6** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
22.45-23.20 22.45	113	ES	1xT+2xJ+1xV	100	0	0		100% Water (Grey)					-21	23 -21.35 23.20	
23.20-23.95				35	0	0		100% Water (Grey)			Partial recovery (35%). Recovered as greenish brown silty fine to coarse SAND with occasional fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-22	(0.75) -22.10 23.95	PR / AZCL
23.95-24.70				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-23	24 (1.50) 25 -23.60 25.45	AZCL
24.70-25.45				0	0	0		100% Water (Grey)							
25.45-26.20				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-24	(0.75) 26 -24.35 26.20	AZCL
26.20-26.95				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-25	(0.75)	AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
29/08/19	18:00	103.00	103.00	200	0.00
30/08/19	07:30	103.00	103.00	200	-
04/09/19		103.00	103.00	200	-
05/09/19	11:30	48.00	48.00	200	1.80
05/09/19	18:00	22.50	22.50	200	0.20
06/09/19	08:00	22.50	22.50	200	0.60
06/09/19	12:00	27.00	27.00	200	0.60
09/09/19		27.00	27.00	200	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**7** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
26.95-27.70				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-25.10	26.95	
													-25.85	27 (0.75) 27.70	AZCL
27.70-28.45				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-26	28 (0.75)	AZCL
													-26.60	28.45	
28.45-29.20				43	0	0		100% Water (Grey)			Partial recovery (43%). Recovered as soft dark grey sandy SILT with occasional lenses of grey clay (up to 2 x 5mm) and rare comminuted fine gravel sized shells. Sand is fine to coarse. (RED CRAG FORMATION (UNDIFFERENTIATED))		-27	(0.75) 29	PR / AZCL
													-27.35	29.20	
29.20-29.95				53	0	0		100% Water (Grey)			Dark grey silty fine to coarse SAND with abundant fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-27.75	(0.40) 29.60	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-28	(0.35)	AZCL
													-28.10	29.95	
29.95-30.70 29.95	114	ES	1xT+2xJ+1xV	0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-28.85	30 (0.75) 30.70	AZCL
30.70-31.45				21	0	0		100% Water (Grey)			Minimal recovery (21%). Recovered as dark grey slightly gravelly slightly silty fine to coarse SAND with abundant fine gravel sized comminuted shells. Gravel is subangular fine to coarse of mudstone. (RED CRAG FORMATION (UNDIFFERENTIATED))		-29	31 (0.75)	MR / AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
10/09/19	08:00	27.00	27.00	200	0.80
10/09/19	17:30	100.00	54.00	200	0.20
11/09/19	08:00	100.00	54.00	200	-
12/09/19	08:00	54.00	54.00	200	3.00
12/09/19	17:00	17.70	12.90	200	1.80
13/09/19	08:00	17.70	12.90	200	1.75
13/09/19	18:00	0.00	0.00	N/R	-

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**8** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
31.45-32.20				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-29.60 -30 -30.35	31.45 (0.75) 32 32.20	AZCL
32.20-32.95				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-31 -31.10	(0.75) 32.95	AZCL
32.95-33.70				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-31.85	33 (0.75) 33.70	AZCL
33.70-34.45				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-32 -32.60	34 (0.75) 34.45	AZCL
34.45-35.20				40	0	0		50% Water (Grey)			Partial recovery (40%). Recovered as dark grey slightly gravelly slightly silty fine to coarse SAND with abundant fine gravel sized shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-33 -33.35	(0.75) 35 35.20	PR / AZCL
35.20-35.95 35.20-35.95	4	C		67	0	0		100% Water (Red)			Not logged zone with sampling. Core sample C4 recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-33.85	(0.50) 35.70	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-34		AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**9** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
35.95-36.70				0	0	0		100% Water (Red)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-34.10	35.95	
													-34.85	36 (0.75)	AZCL
36.70-37.45				0	0	0		100% Water (Red)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-35	36.70	
													-35.60	37 (0.75)	AZCL
37.45-38.20				0	0	0		100% Water (Red)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-36	37.45	
													-36.35	(0.75) 38	AZCL
38.20-38.95				45	0	0		100% Water (Red)			Partial recovery (45%). Recovered as brownish green silty fine to coarse SAND with abundant fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-37	38.20	
													-37.10	(0.75) 38.95	PR / AZCL
38.95-39.70															
38.95	115	ES	1xT+2xJ+1xV	41	0	0		100% Water (Red)			Partial recovery (41%). Recovered as brownish green silty fine to coarse SAND with abundant fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-37.85	39 (0.75) 39.70	PR / AZCL
39.70-40.45				0	0	0		100% Water (Red)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-38	40 (0.75)	AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**10** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
40.45-41.20				17	0	0		100% Water (Red)			Minimal recovery (17%). Recovered as brownish green silty fine to coarse SAND with abundant fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-38.60 -39 -39.35	40.45 (0.75) 41 41.20	AZCL MR / AZCL
41.20-41.95				0	0	0		100% Water (Red)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-40 -40.10	(0.75) 41.95	AZCL
41.95-42.70				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		42 -40.85	(0.75) 42.70	AZCL
42.70-43.45				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-41 43 -41.60	(0.75) 43.45	AZCL
43.45-44.20				19	0	0		100% Water (Grey)			Minimal recovery (19%). Recovered as dark grey silty fine to coarse SAND with frequent fine gravel sized comminuted shells and occasional flasers of clay (up to 2 x 5mm). (RED CRAG FORMATION (UNDIFFERENTIATED))		-42 44 -42.35	(0.75) 44.20	MR / AZCL
44.20-44.95				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-43	(0.75)	AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**11** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
44.95-45.70				27	0	0		100% Water (Grey)			Partial recovery (27%). Recovered as dark grey gravelly silty fine to coarse SAND with frequent fine gravel sized comminuted shells and occasional flasers of clay (up to 2 x 5mm). Gravel is subangular fine to medium of mudstone. (RED CRAG FORMATION (UNDIFFERENTIATED))		-43.10 -43.85	44.95 45 (0.75) 45.70	AZCL PR/ AZCL
45.70-47.20				55	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS) Firm dark grey gravelly CLAY. Gravel is subangular fine to coarse of mudstone. (HARWICH FORMATION, WRABNESS MEMBER)		-44 -44.53 -44.84	(0.66) 46.38 (0.31) 46.69	AZCL
47.20-48.70 47.30	116	ES	1xT+2xJ+1xV	90	0	0		100% Water (Grey)			Very stiff extremely closely to very closely fissured thinly laminated dark grey slightly sandy micaceous glauconitic CLAY with very closely spaced very thin beds of volcaniclastic siltstone/claystone. Sand is fine to medium. Fissures are randomly oriented planar smooth or rough polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) . . . 46.69-46.74m: very weak dark grey volcaniclastic siltstone/claystone. . . . 47.14-47.20m: very weak dark grey volcaniclastic siltstone/claystone. Very stiff extremely to very closely fissured thinly laminated dark greyish brown slightly sandy micaceous glauconitic CLAY. Sand is fine to medium. Fissures are randomly oriented planar smooth or rough polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) . . . 47.20-47.25m: thin bed of light brown gravelly CLAY. Gravel is subangular to subrounded fine to medium of siltstone.		-45 -45.35 -46 -46.56	(0.51) 47.20 (1.21) 48.41	
48.70-50.20				100	0	0		100% Water (Grey)			Very strong dark grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND) . . . 48.55-48.70m:Assumed zone of core loss. Very stiff extremely to very closely fissured thinly laminated dark brownish grey slightly sandy micaceous glauconitic CLAY with closely to widely spaced thinly laminated to thickly bedded very weak dark grey micaceous volcaniclastic siltstone/claystone. Sand is fine to medium. Fissures are randomly oriented planar smooth or rough polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) *Description on next sheet*		-46.85 -47	(0.29) 48.70 49	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted] IS

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**12** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0		100% Water (Grey)			. . . 49.25-49.41m: very weak dark grey bioturbated volcaniclastic siltstone/claystone. Burrows are subhorizontal up to 1 x 3mm infilled with light brown silt.				
											. . . 49.76-49.80m: very weak dark grey volcaniclastic siltstone/claystone.		-48	50	
50.20-51.70											. . . 50.06-50.20m: very weak dark grey bioturbated volcaniclastic siltstone/claystone. Burrows are subhorizontal up to 1 x 4mm infilled with brown silt.				
				100	0	0		100% Water (Grey)			. . . 51.03-51.21m: very weak dark bluish grey micaceous volcaniclastic siltstone/claystone. Top 50mm bioturbated. Burrows are subhorizontal up to 1 x 5mm infilled with light brown silt.		-49	51	
											. . . 51.31-51.46m: weak dark bluish grey micaceous volcaniclastic siltstone/claystone.				
51.70-53.20													-50	52	
											. . . 52.02-52.04m: very weak dark grey micaceous volcaniclastic siltstone/claystone.				
				100	0	0		100% Water (Grey)			. . . 52.17-53. 20m: very weak dark grey bioturbated micaceous volcaniclastic siltstone/claystone. Burrows are subhorizontal up to 2 x 5mm infilled with brown silt.				
52.64-52.91	5	C											-51	53 (8.81)	
53.20-54.70											. . . 53.26-53.29m: stiff dark bluish grey micaceous volcaniclastic silty clay.				
				100	0	0		100% Water (Grey)							
											. . . 53.54-53.65m: very stiff dark brownish grey micaceous CLAY becoming slightly silty.		-52		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted] IS

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start:	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	**22.07.19** End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**13** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0		100% Water (Grey)			. . . 53.40-54.41m: horizontal burrow 7mm wide by 45mm long infilled with dark bluish grey silt.			54	
54.70-56.20											. . . 53.82-54.87m: very weak dark brownish grey burrow mottled light grey brown micaceous volcaniclastic siltstone/claystone.		-53	55	
											. . . 55.20-55.26m: weak dark grey micaceous volcaniclastic siltstone/claystone.				
				100	0	0		100% Water (Grey)							
55.54-55.64	6	C											-54	56	
56.20-57.70											. . . 56.02-56.10m: stiff dark brownish grey micaceous CLAY becoming slightly silty. . . . 56.11-56.20m: very weak dark bluish grey micaceous volcaniclastic siltstone/claystone.				
				100	0	0		100% Water (Grey)					-55	57	
											Stiff locally thinly laminated dark brownish grey slightly sandy micaceous SILT. (HARWICH FORMATION, ORWELL MEMBER)		-55.66	57.51	
57.70-59.20											Minimal recovery (15%). Recovered as stiff locally thinly laminated dark brownish grey slightly sandy micaceous SILT. (HARWICH FORMATION, ORWELL MEMBER)		-55.85	57.70	
				15	0	0		100% Water (Grey)					-56	58	MR / AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted] IS

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**14** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				15	0	0		100% Water (Grey)					-57	(1.50) 59	MR / AZCL
59.20-60.40											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-57.35	59.20 (0.32)	AZCL
59.58-59.88	7	C									Firm light green mottled bluish grey slightly gravelly micaceous SILT. Gravel is subrounded to rounded medium to coarse of flint. (HARWICH FORMATION, WRABNESS MEMBER)		-57.67	59.52	
				73	68	68		100% Water (Grey)					-57.73	59.58	
59.88-60.40	7A	C									Very strong thickly bedded light bluish grey fine grained SILICEOUS SANDSTONE. (READING FORMATION)		-58	60 (0.95)	
60.40-60.70											. . . 60.47-60.41m: sandstone weathered brownish orange mottled light greenish blue along jointing.		-58.68	60.53	
				100	43	43					. . . 60.47-60.48m: sandstone weathered brownish orange mottled light greenish blue along jointing.		-58.85	60.70	
60.70-62.20											Firm light brown slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is angular to subrounded fine to medium of sandstone. (READING FORMATION)				
60.70-61.13	8	C									Brownish grey mottled dark grey slightly silty fine SAND. (READING FORMATION)		-59	61 (0.75)	
				50	0	0		100% Water (Greyish brown)					-59.60	61.45	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-60	(0.75) 62	AZCL
62.20-63.70											Minimal recovery (12%). Recovered as brownish grey mottled dark grey slightly silty fine SAND. (READING FORMATION)		-60.35	62.20	
				12	0	0							-61		MR / AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted] IS

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**15** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				12	0	0		100% Water (Greyish brown)						(1.50) 63	MR / AZCL
													-61.85	63.70	
63.70-64.45				0	0	0		100% Water (Greyish brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-62	64 (0.75)	AZCL
													-62.60	64.45	
64.45-65.20				71	0	0		100% Water (Greyish brown)			Dark brownish grey mottled light green fine to medium SAND. (READING FORMATION)		-62.86	64.71	
											Dark yellowish grey mottled dark bluish grey fine to medium SAND. (READING FORMATION)		-63 -63.13	64.98	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-63.35	65 65.20	AZCL
65.20-65.95				41	0	0		100% Water (Greyish brown)			Partial recovery (41%). Recovered as dark yellowish grey mottled dark bluish grey fine to medium SAND. (READING FORMATION)		-64 -64.10	(0.75) 65.95	PR / AZCL
65.95-66.70				64	0	0		100% Water (Grey)			Dark yellowish grey mottled dark bluish grey fine to medium SAND. (READING FORMATION)		-64.58	66 (0.48) 66.43	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-64.85	66.70	AZCL
66.70-67.45				24	0	0		100% Water (Grey)			Minimal recovery (24%). Recovered as dark yellowish grey mottled dark bluish grey fine to medium SAND. (READING FORMATION)		-65	67 (0.75)	MR / AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**16** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
67.45-68.20				49	0	0		100% Water (Grey)			Partial recovery (49%). Recovered as dark yellowish grey mottled dark bluish grey fine to medium SAND. (READING FORMATION)		65.60	67.45	
													-66	(0.75)	PR / AZCL
														68	
68.20-68.95				52	0	0		100% Water (Grey)			Dark yellowish grey mottled dark bluish grey fine to medium SAND. (READING FORMATION) . . . 68.40-69.40m: dark bluish grey mottled replaced by dark bluish grey horizontal streaking . Streaks are 3-4mm wide, forming approximately 25mm apart.		66.35	68.20	
													-67	(1.20)	
68.95-69.70														69	
68.95-69.30	9	C		100	0	0		100% Water (Grey)					67.55	69.40	
											Stiff dark greyish brown slightly gravelly CLAY. Gravel is subrounded medium to coarse of mudstone. (READING FORMATION)		67.70	69.55	
											Dark brownish grey clayey fine to medium SAND. (READING FORMATION)		67.85	69.70	
69.70-71.20				0	0	0		100% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-68		
														70	
													-69	(2.25)	AZCL
														71	
71.20-71.95				0	0	0		100% Water (Grey)					-70		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**17** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
71.95-72.70				31	0	0		100% Water (Grey)			Partial recovery (31%). Recovered as yellowish brown slightly gravelly slightly clayey fine to medium SAND. Gravel is subrounded medium to coarse of mudstone. (READING FORMATION)		-70.10	71.95 72 (0.58)	PR / AZCL
72.70-74.20				93	0	0		100% Water (Brown)			Very stiff extremely closely to very closely fissured thinly laminated dark grey bioturbated micaceous CLAY. Fissures are randomly oriented planar smooth matt or polished. Burrows are randomly orientated up to 2 x 6mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 73.34-73.40m: becoming slightly mottled dark green.		-70.68 -71 -72	72.53 73 74 (3.17)	
74.20-75.70				52	0	0		100% Water (Brown)			. . . 74.10-74.20m: Assumed zone of core loss. . . . 74.70-75.70m: recovered as soft dark grey sandy CLAY. Sand is fine to medium. Clay becoming very fractured. . . . 74.88-74.95m: Assumed zone of core loss.		-73	75	
75.70-76.45				0	0	0		100% Water (Brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-73.85 -74	75.70 76 (0.75)	AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**18** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
76.45-77.20				100	0	0		100% Water (Grey)			Very stiff extremely closely to very closely fissured thinly laminated dark grey bioturbated micaceous sandy CLAY with rare lenses of white sand (up to 2 x 6mm). Fissures are randomly oriented planar smooth matt or polished. Burrows are randomly orientated up to 1 x 4mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 76.45-77.20m: recovered as soft dark grey CLAY.		-74.60	76.45 (0.75)	AZCL
													-75		
													77		
													-75.35	77.20	
77.20-78.70				100	0	0		100% Water (Grey)			Very stiff extremely closely to very closely fissured thinly laminated dark grey mottled dark green bioturbated micaceous glauconitic CLAY with occasional lenses of silt (up to 3 x 15mm). Fissures are randomly orientated planar smooth matt or polished. Burrows are randomly orientated up to 2 x 6mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 77.24-78.24m: loses dark green mottling.				
													-76		
														(1.50)	
													78		
													-76.85	78.70	
78.70-80.20				73	0	0		100% Water (Grey)			Stiff extremely closely to very closely fissured locally thinly laminated dark grey bioturbated glauconitic micaceous SILT. Fissures are randomly orientated planar rough or smooth polished. Burrows are randomly orientated up to 1 x 4mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-77		
														(0.56)	
													79		
													-77.41	79.26	
											Very stiff extremely closely to very closely fissured thinly laminated light grey bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated planar rough or smooth polished. Burrows are randomly orientated up to 1 x 5mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)			(0.53)	
											. . . 79.50-79.67m: green glauconite-staining		-77.94	79.79	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-78		
														(0.41)	AZCL
													80		
80.20-80.95				100	0	0		100% Water (Grey)					-78.35	80.20	
											Very stiff extremely closely to very closely fissured thinly laminated light grey bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated planar rough or smooth polished. Burrows are randomly orientated up to 1 x 5mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-78.57	80.42	
														(0.53)	
											Very stiff extremely closely to very closely fissured locally thinly laminated grey bioturbated micaceous		-79		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**19** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
80.95-81.70				100	0	0		100% Water (Grey)			glauconitic SILT. Fissures are randomly orientated planar rough or smooth matt or polished. Burrows are randomly orientated up to 1 x 7mm infilled with grey silt.. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-79.10	80.95 81	
81.70-83.20				100	0	0		100% Polymer-Mud (Grey)			Very stiff thinly laminated reddish brown mottled black bioturbated micaceous silty CLAY. Burrows are randomly orientated up to 1 x 4mm infilled with dark grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2) . . . 82.03-82.14m: non-intact.		-80	(2.16)	
83.20-84.70				37	0	0		100% Polymer-Mud (Grey)			Very stiff extremely closely to very closely fissured locally thinly laminated reddish brown bioturbated micaceous glauconitic SILT. Fissures are randomly orientated planar rough or smooth polished or matt. Burrows are randomly orientated up to 1 x 4mm infilled with dark grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2) Very stiff dark green micaceous glauconitic gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1) Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-81	83 (0.36) (0.29) (0.94)	AZCL
84.70-85.45				84	35	0		100% Polymer-Mud (Light grey)			Very weak medium density closely jointed (0/537/870) white burrow mottled light grey CHALK with rare black specks. Bedding fracture: 6° undulating rough clean. Steeply inclined fracture: 86° undulating rough with frequent black specks unstained no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade A3) . . . 85.30-85.45m: Assumed zone of core loss.		-82 -83	84 85 (0.92)	

-81.26 83.11
-81.62 83.47
-81.91 83.76
-82.85 84.70

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**20** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata
85.45-86.20				100	76	56		100% Polymer-Mud (Light grey)			Very weak medium density medium jointed (10/254/2620) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (20/290/2620) undulating and planar rough and smooth clean or with occasional black specks, unstained, no infill. Gently inclined: 11-18° widely spaced (20/1127/2780) undulating or planar rough clean and with frequent black specks, locally lightly stained yellow, no infill. Inclined fracture: 60° planar rough clean. Steeply inclined fractures: 62-80° widely spaced (440/1503/4730) undulating and planar rough clean or with frequent black specks, unstained, no infill. Sub-vertical fractures: 84-85° very widely spaced (100/2260/4730) undulating and planar rough clean. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade A2)
86.20-87.70				100	44	23		100% Polymer-Mud (Light grey)			. . . 85.62-86.54m: medium strong very high density locally green glauconite-mineralised hardground. (Probably Catton Sponge Bed) . . . 85.86-86.02m: occasional inoceramid bivalve shell fragments. . . . 87.02-87.07m: medium strong very high density locally green glauconite-mineralised hardground. . . . 87.50m: shell fragment (up to 6mm across).
86.79-86.99	10	C									
87.70-89.20				100	63	45		100% Polymer-Mud (Light grey)			. . . 88.23-88.38m: flint band. Fine to medium gravel of nodular flint with thin to thick cortexes. . . . 88.40-88.52m: black-stained sponge bed. . . . 88.60-88.67m: fine to medium gravel of nodular flint with thin cortexes. . . . 88.67-88.75m: thinned by drilling. . . . 89.06-89.20m: Assumed zone of core loss..
87.82-88.19	13	C									
89.20-90.70				100	59	47					. . . 89.67-89.74m: black-stained sponge bed.

Fracture Log	Reduced Level	Depth (Thickness)	Legend
1			
2	-83.77	85.62	
3/4	-84	86	
5 6			
7	-85	87	
8 9 10 11			
12			
13	-86	88	
14			
15			
16	-87	89	
17		(7.33)	
18 19			
20 21 22 23 24 25 26	-88		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19** End: **13.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**1.85**	**E:647450.9 N:264214.2**	**21** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	59	47		100% Polymer-Mud (Light grey)							
90.70-92.20				100	91	88		100% Polymer-Mud (Light grey)			. . . 90.74-90.81m: black-stained sponge bed. . . . 91.08-91.16m: thinned by drilling. . . . 91.35-91.36m: bivalve shell (up to 13mm across).		-89	90 91	
91.86-92.20	11	C									. . . 91.77-91.80m: occasional bivalve shell fragments (up to 15mm across).		-90	92	
92.20-93.70				50	16	16		100% Polymer-Mud (Light grey)			. . . 92.47-92.58m: black-stained sponge bed. . . . 92.88-92.95m: non-intact. Flint band. Fine to medium gravel of nodular flint with thin cortexes. Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-91 -91.10	92.95 93 (0.75)	AZCL
93.70-94.45				40	0	0		100% Polymer-Mud (Light grey)			Partial recovery (40%). Recovered as very weak medium density closely jointed (0/537/870) white burrow mottled light grey CHALK with rare black specks. Bedding fracture: 6° undulating rough clean. Steeply inclined fracture: 86° undulating rough with frequent black specks unstained no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER)		-91.85 -92	93.70 94 (0.75)	PR / AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted] IS

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**22** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
94.45-95.20				0	0	0		100% Polymer-Mud (Light grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		92.60	94.45	
													-93	(0.82)	AZCL
														95	
95.20-95.95				79	60	39		100% Polymer-Mud (Light grey)			. . . 95.20-95.27m: flint band. Fine to medium gravel of nodular flint with thin cortexes.	50	93.42	95.27	
											Very weak medium density medium jointed white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-10° medium spaced (50/433/1270) undulating and planar rough clean locally with occasional black specks, light yellow staining, no infill. Gently inclined fractures: 13-26° widely spaced (325/1116/2100) undulating, planar and striated rough clean or with occasional black specks, unstained, no infill. Steeply inclined fracture: 80° undulating rough clean. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER Grade A2)	51 52			
													-94		
95.95-96.70				100	100	89		100% Polymer-Mud (Light grey)				53		96	
											. . . 95.27-95.40m: very weak to weak medium to high density white burrow mottled light grey CHALK with rare black specks. (Possible hard ground) . . . 95.61m: belemnite fragment (9 x 11mm). . . . 95.77-95.95m: Assumed zone of core loss. . . . 96.16m: inoceramid bivalve shell fragment (up to 3 x17mm). . . . 96.54m: belemnite fragment (7 x 10mm).	54 55			
96.70-98.20				98	79	70		100% Polymer-Mud (Light grey)					-95		
														97	
											. . . 97.12m: inoceramid bivalve shell fragment (2 x 6mm).	56			
												57			
												58			
												59	-96	(5.17)	
														98	
											. . . 98.06-98.20m: non-intact.				
98.20-99.70												60			
98.34-98.71	14	C		100	80	71					. . . 98.42m: inoceramid bivalve shell fragment.				
											. . . 98.74-99.10m: black-stained sponge bed.		-97		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_4**

Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**23** of **55**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata
				100	80	71		100% Polymer-Mud (Light grey)			. . . 99.46-99.51m: flint band. Fine to medium gravel of nodular flint with thin cortexes.
99.70-101.20				51	39	29		100% Polymer-Mud (Light grey)			. . . 99.70-99.77m: non-intact.
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)
101.20-102.70				100	47	39		100% Polymer-Mud (Light grey)			Very weak medium density medium jointed white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-10° medium spaced (50/433/1270) undulating and planar rough clean locally with occasional black specks, light yellow staining, no infill. Gently inclined fractures: 13-26° widely spaced (325/1116/2100) undulating, planar and striated rough clean or with occasional black specks, unstained, no infill. Steeply inclined fracture: 80° undulating rough clean. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER)
101.58-102.02	12	C									. . . 101.25m: inoceramid bivalve shell fragment.
											. . . 102.38-102.58m: non-intact.
											. . . 102.48-102.52m: flint band. Fine to medium gravel of nodular flint with thin cortexes.
											. . . 102.65m: black-stained sponge bed.

Fracture Log	Reduced Level	Depth (Thickness)	Legend
61		99	
62			
63			
64	-98		
65		100	
66			
67			
68	-98.59	100.44	
	-99	(0.76)	AZCL
		101	
	-99.35	101.20	
69			
	-100		
70		102	
71		(1.80)	
72			
73	-101		
	-101.15	103.00	
		103	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**David Henderson**	**HPerry + SHinton + HSkaleld**	[redacted]

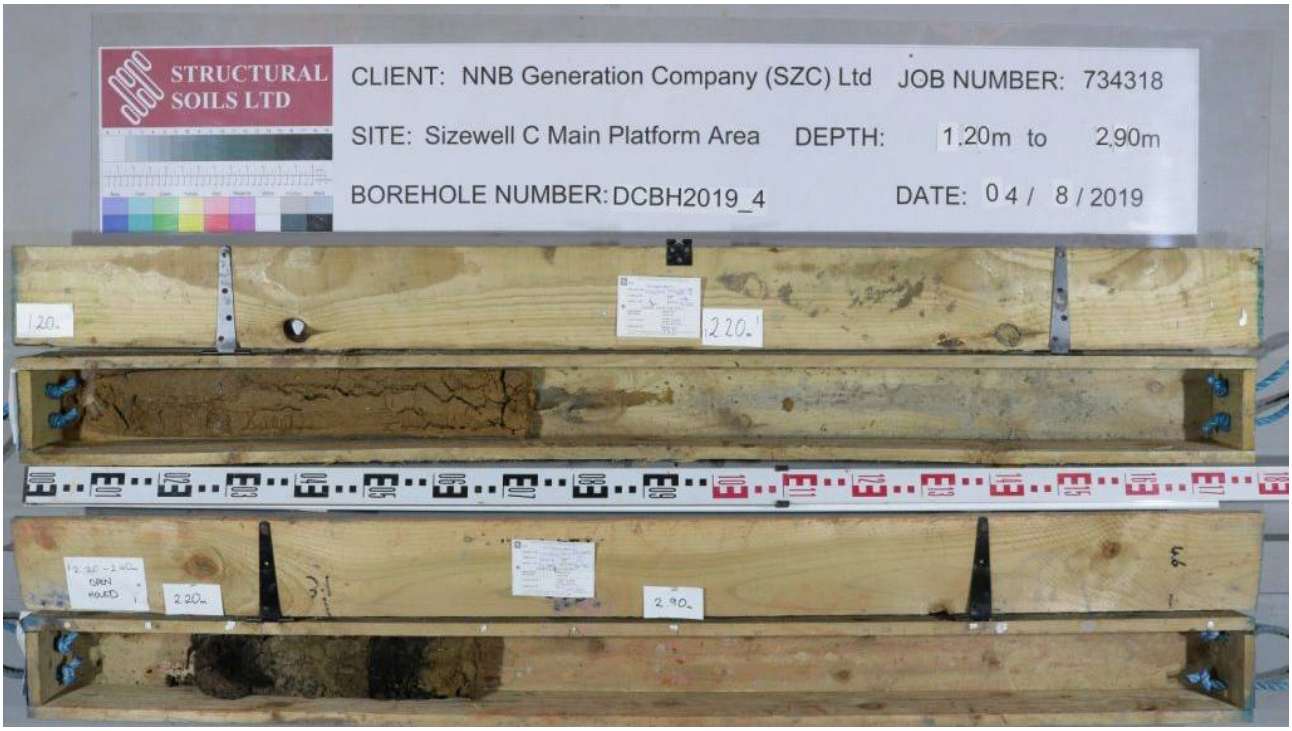
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**24** of **55**

DCBH2019_4 1.20m - 2.90m depth.





DCBH2019_4 2.90m - 4.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**25** of **55**

DCBH2019_4 4.45m - 5.95m depth.





DCBH2019_4 5.95m - 7.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**26** of **55**

DCBH2019_4 7.45m - 8.95m depth.





DCBH2019_4 Box 1 2 8.95m - 10.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_4 Box 1 2 10.45m - 11.95m depth.





DCBH2019_4 Box 1 2 11.95m - 13.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

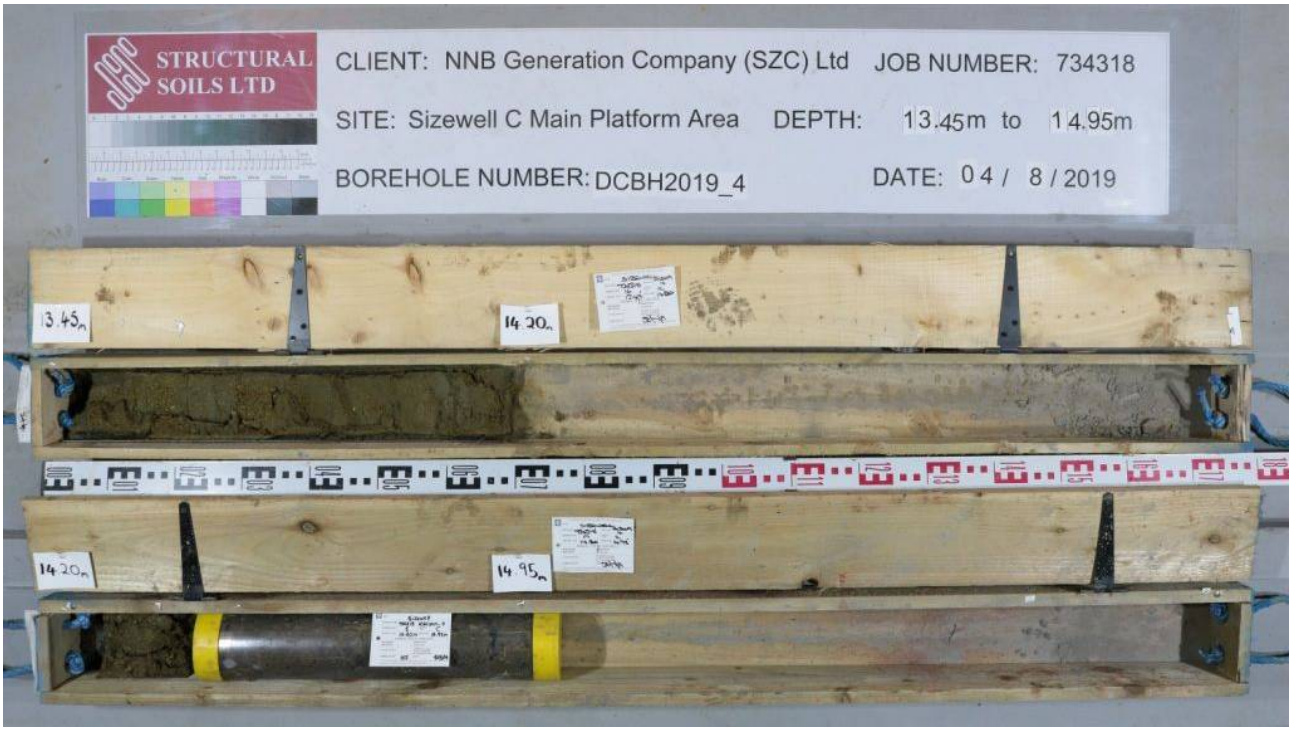
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**28** of **55**

DCBH2019_4 Box 1 2 13.45m - 14.95m depth.





DCBH2019_4 Box 1 2 14.95m - 16.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:

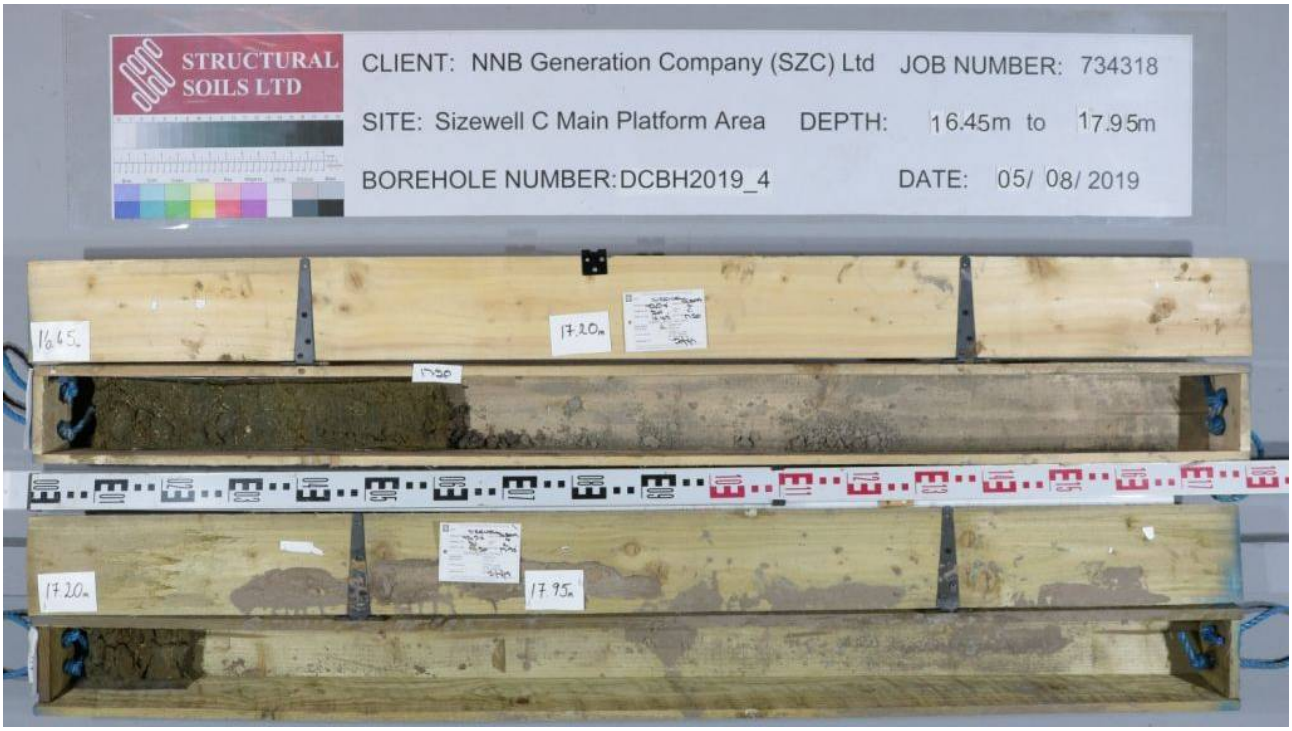
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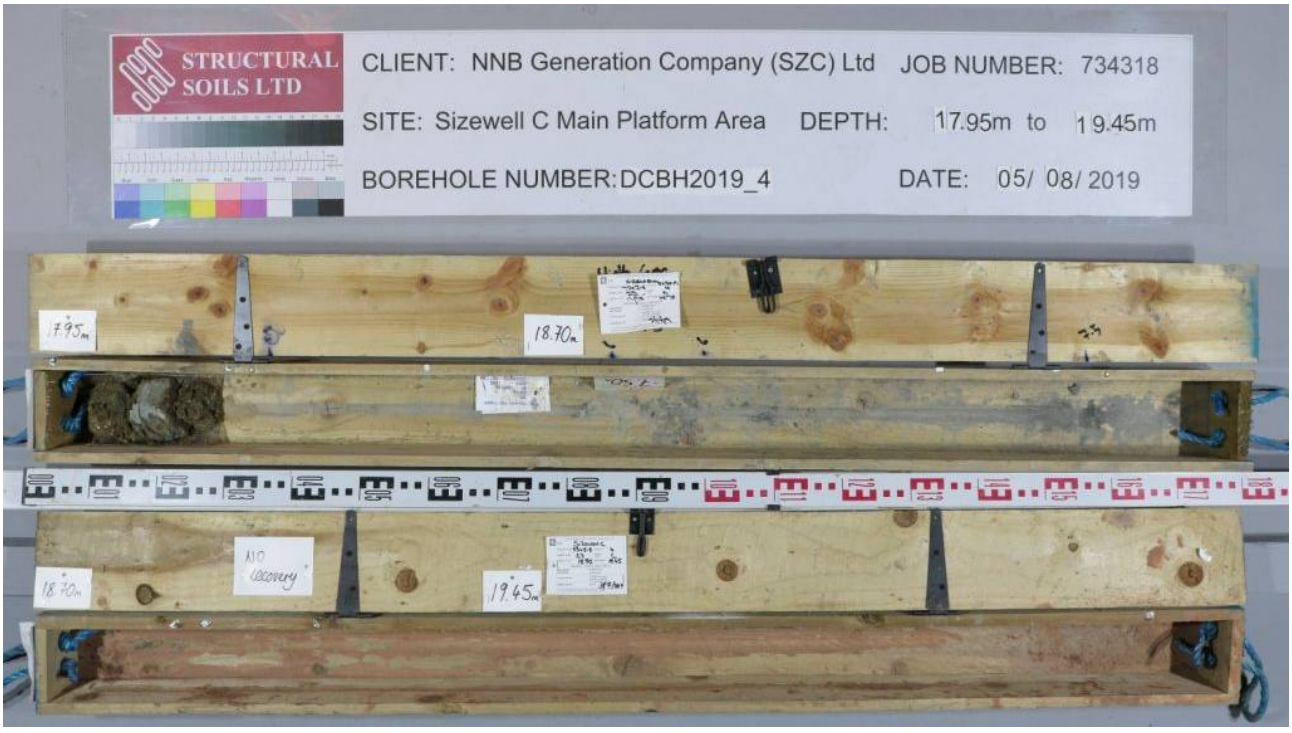
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
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DCBH2019_4 16.45m - 17.95m depth.





DCBH2019_4 17.95m - 19.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

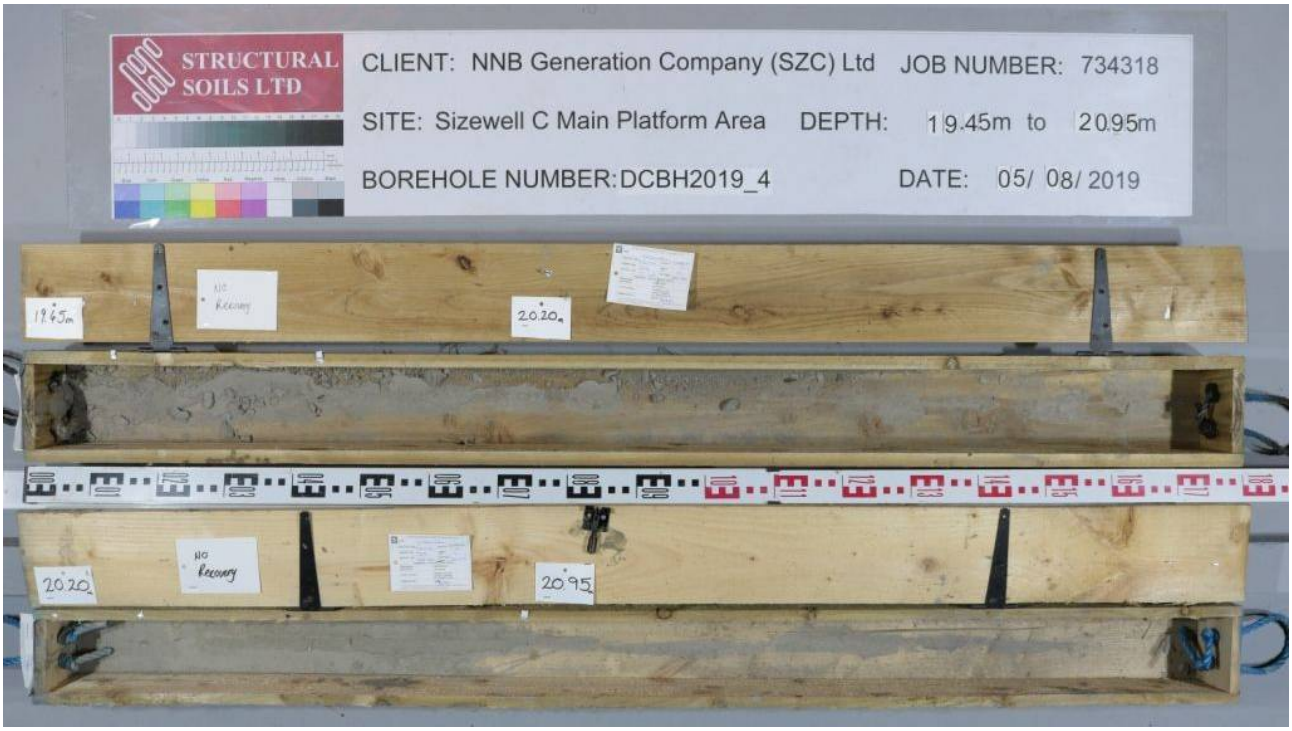
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_4 19.45m - 20.95m depth.





DCBH2019_4 20.95m - 22.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_4 22.45m - 23.95m depth.





DCBH2019_4 23.95m - 25.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

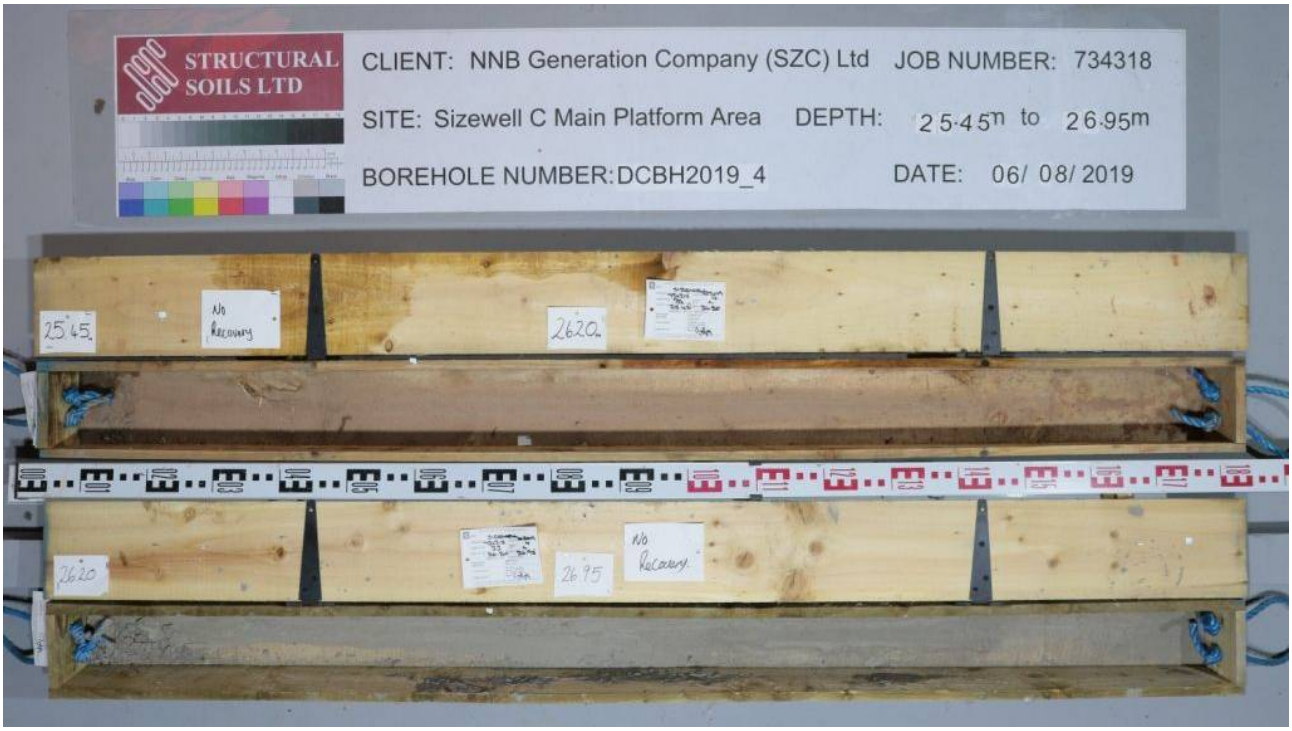
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
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DCBH2019_4 25.45m - 26.95m depth.





DCBH2019_4 26.95m - 28.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_4 28.45m - 29.95m depth.





DCBH2019_4 29.95m - 31.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_4 31.45m - 32.95m depth.





DCBH2019_4 32.95m - 34.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_4 34.45m - 35.95m depth.





DCBH2019_4 35.95m - 37.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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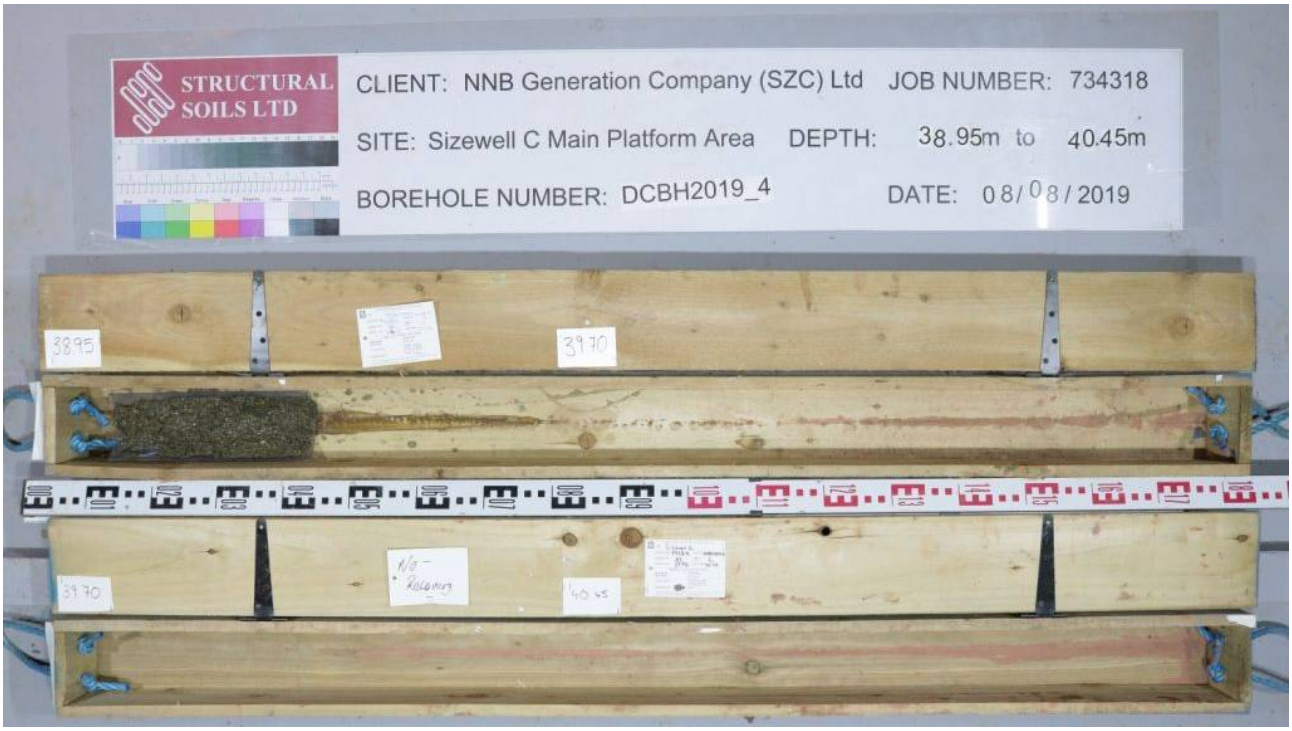
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
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DCBH2019_4 37.45m - 38.95m depth.





DCBH2019_4 38.95m - 40.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**37** of **55**

DCBH2019_4 40.45m - 41.95m depth.





DCBH2019_4 41.95m - 43.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**38** of **55**

DCBH2019_4 43.45m - 44.95m depth.





DCBH2019_4 44.95m - 47.20m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**39** of **55**

DCBH2019_4 47.20m - 50.20m depth. (Split)





DCBH2019_4 47.20m - 50.20m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**40** of **55**

DCBH2019_4 50.20m - 53.20m depth.





DCBH2019_4 53.20m - 56.20m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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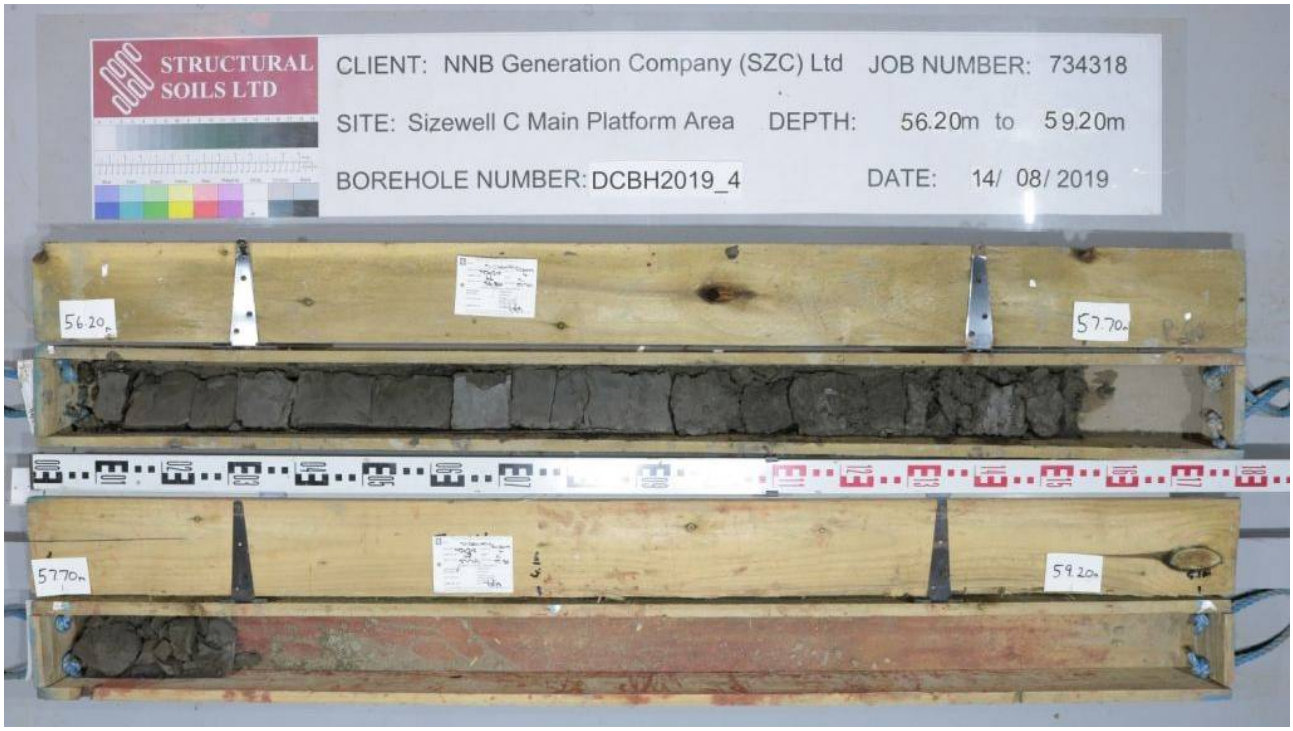
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**41** of **55**

DCBH2019_4 53.20m - 56.20m depth.





DCBH2019_4 56.20m - 59.20m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**42** of **55**

DCBH2019_4 56.20m - 59.20m depth.





DCBH2019_4 59.20m - 60.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

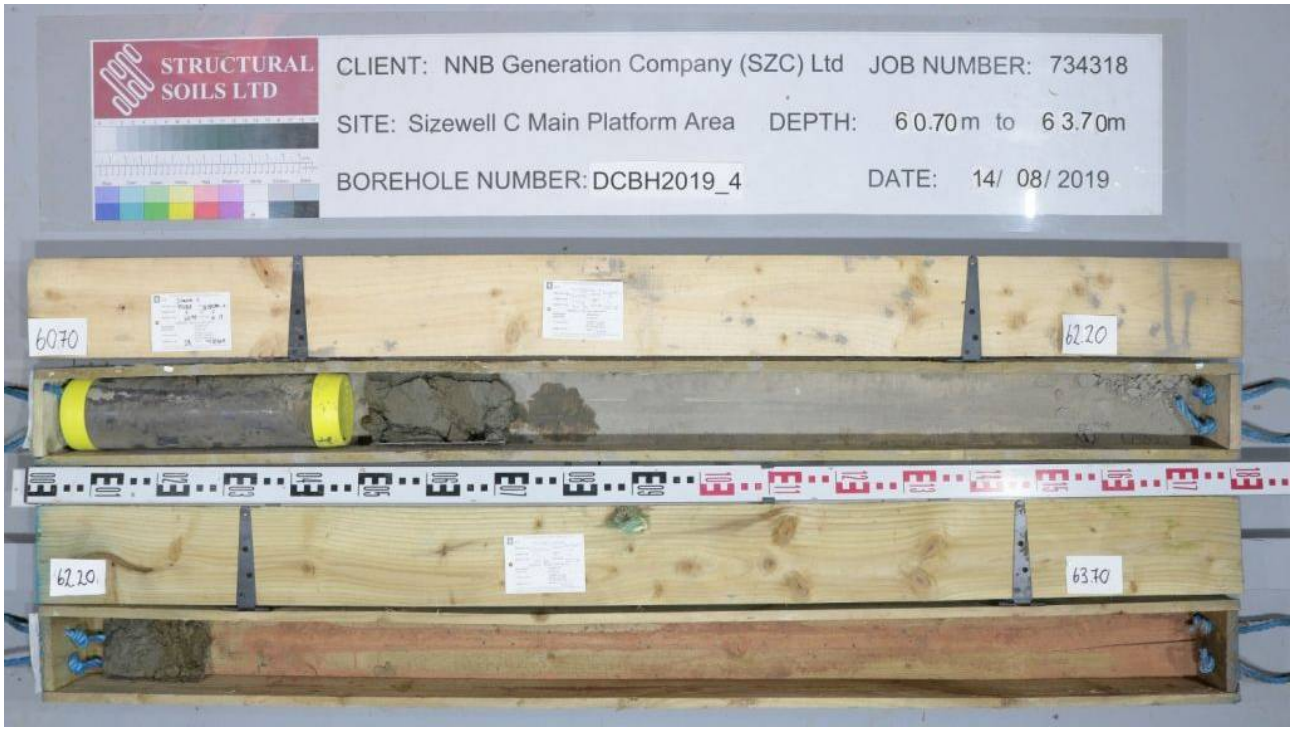
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**43** of **55**

DCBH2019_4 60.70m - 63.70m depth.





DCBH2019_4 63.70m - 65.20m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**44** of **55**

DCBH2019_4 65.20m - 66.70m depth. (Split)





DCBH2019_4 65.20m - 66.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**45** of **55**

DCBH2019_4 66.70m - 68.20m depth. (Split)





DCBH2019_4 66.70m - 68.20m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

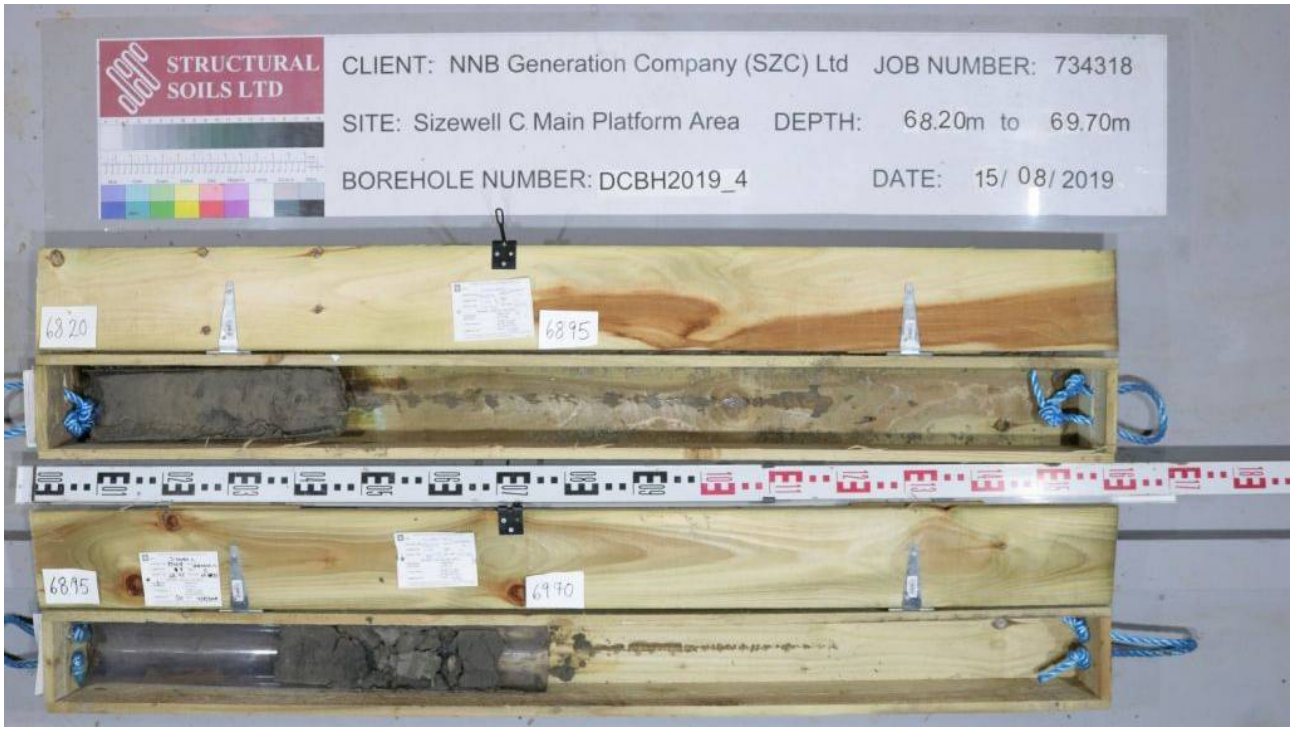
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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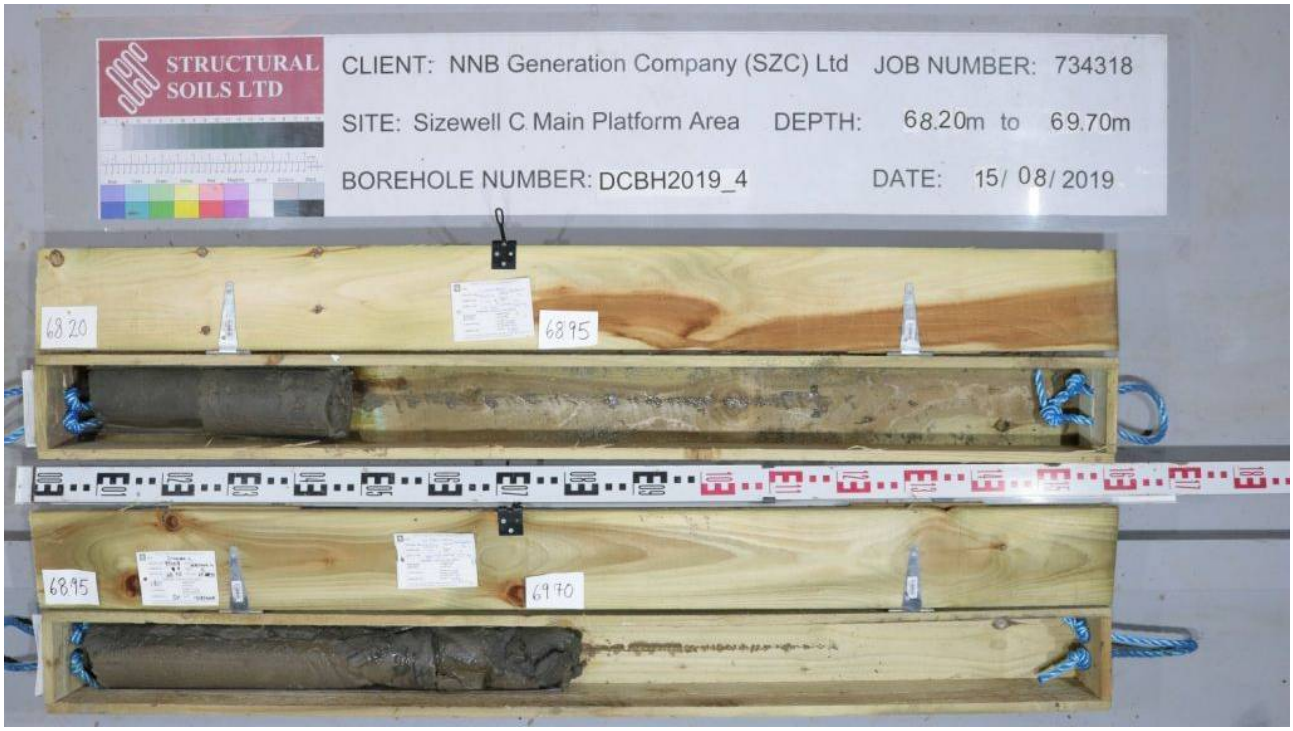
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**46** of **55**

DCBH2019_4 68.20m - 69.70m depth. (Split)





DCBH2019_4 68.20m - 69.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

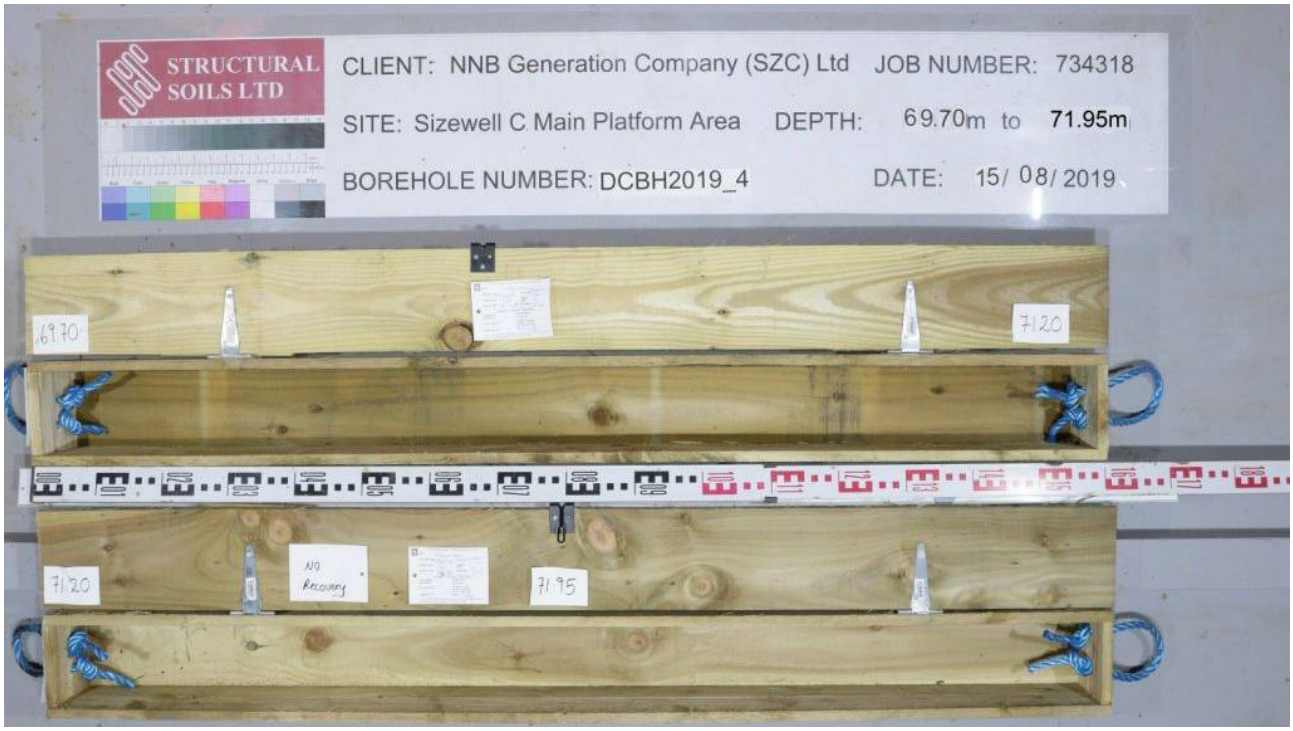
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**47** of **55**

DCBH2019_4 69.70m - 71.95m depth.





DCBH2019_4 71.95m - 74.20m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

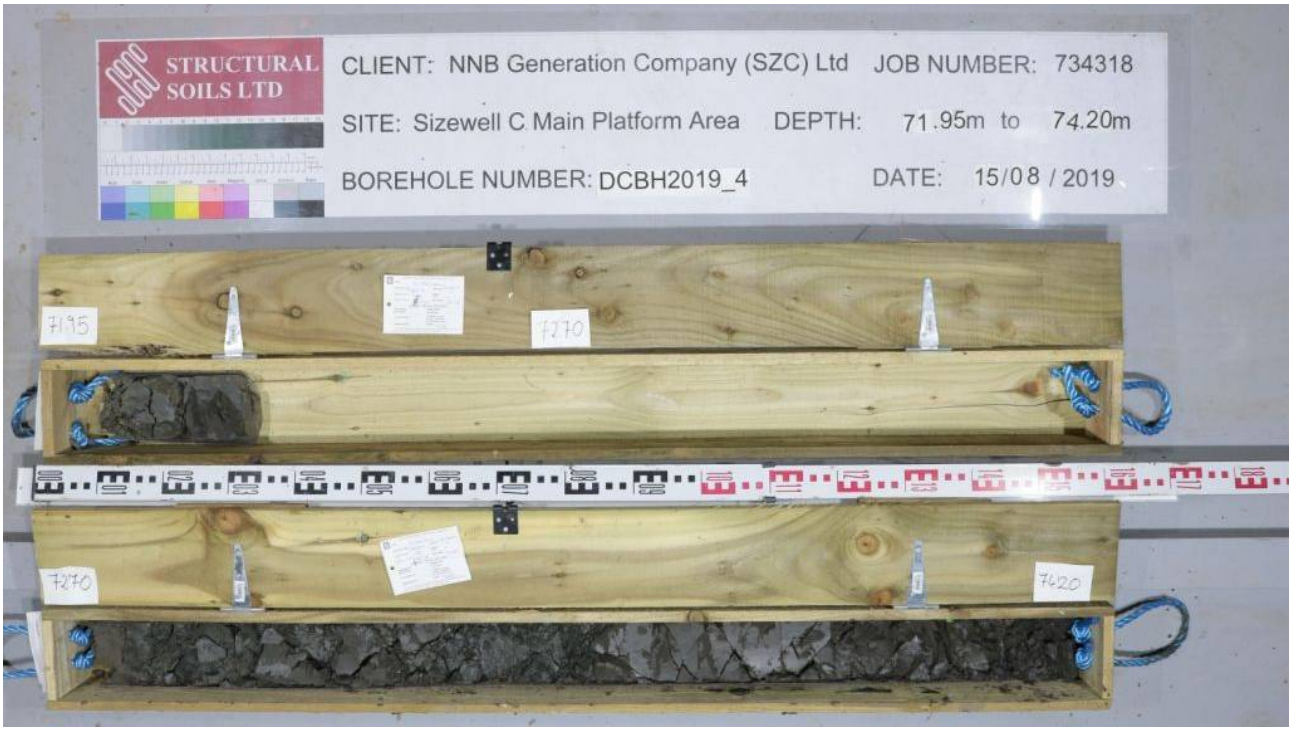
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**48** of **55**

DCBH2019_4 71.95m - 74.20m depth. (Split)





DCBH2019_4 74.20m - 76.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**49** of **55**

DCBH2019_4 76.45m - 78.70m depth.





DCBH2019_4 76.45m - 78.70m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**50** of **55**

DCBH2019_4 78.70m - 80.95m depth. (Split)





DCBH2019_4 78.70m - 80.95m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**51** of **55**

DCBH2019_4 80.95m - 81.70m depth.





DCBH2019_4 81.70m - 83.20m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:

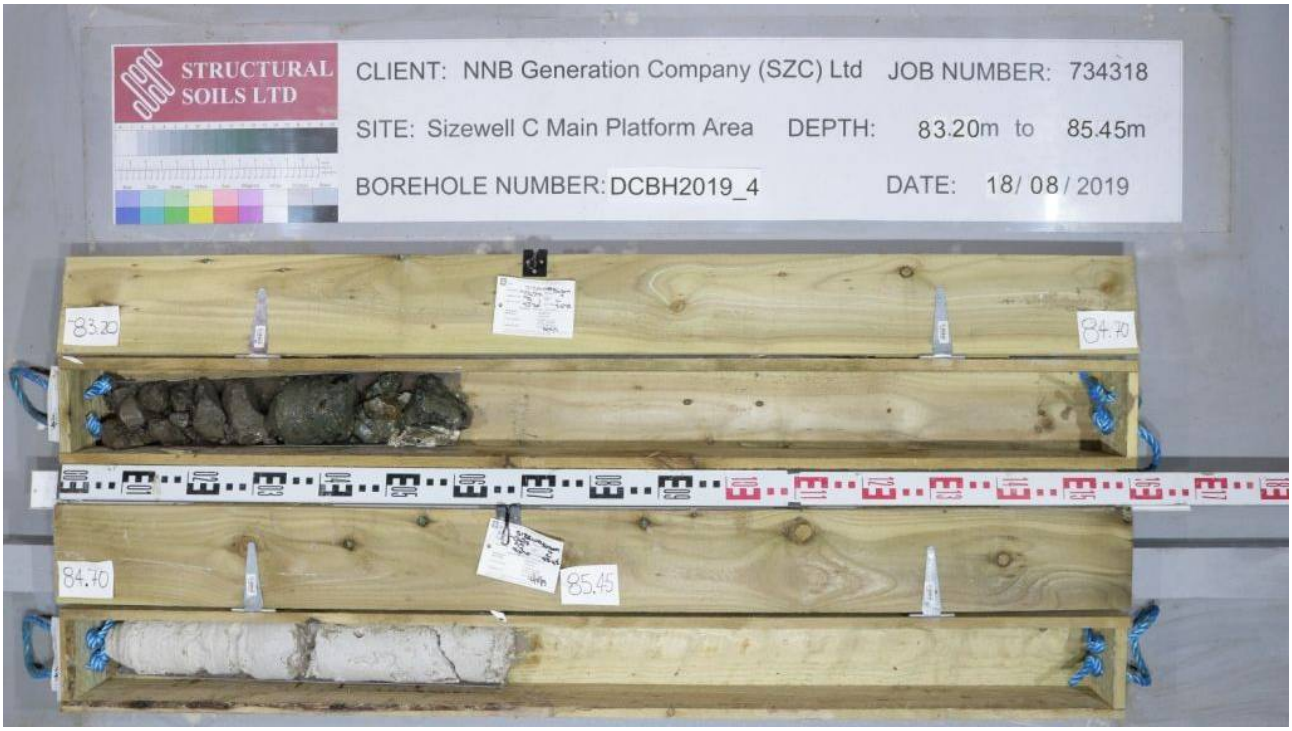
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**52** of **55**

DCBH2019_4 83.20m - 85.45m depth.





DCBH2019_4 85.45m - 87.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**53** of **55**

DCBH2019_4 87.70m - 90.70m depth.





DCBH2019_4 90.70m - 93.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**54** of **55**

DCBH2019_4 93.70m - 95.20m depth.





DCBH2019_4 95.20m - 96.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_4**
Contract Ref:	Start: **22.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **13.09.19**	**1.85**	**E:647450.9 N:264214.2**	**55** of **55**

DCBH2019_4 96.70m - 99.70m depth.





DCBH2019_4 99.70m - 102.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**David Henderson**	Logged By:	**HPerry + SHinton + HSkaleld**	Checked By:	[redacted]

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SUMMARY OF DISCONTINUITIES - DCBH2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	85.45	BF	8	U-R	-	-	-	Clean.	BEECK	CHALK
2	85.57	BF	6	U-R	-	-	-	Clean.	BEECK	CHALK
3	86.20-86.42	J	80	U-R	-	-	-	Frequent black specks,	WBCK	CHALK
								unstained, no infill.		
4	86.33-86.40	J	68	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
5	86.62	BF	4	U-R	-	-	-	Clean.	WBCK	CHALK
6	86.62-86.69	J	84	U-R	-	-	-	Clean.	WBCK	CHALK
7	86.75	BF	7	U-R	-	-	-	Clean.	WBCK	CHALK
8	86.99	BF	2	U-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
9	87.05	BF	3	U-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
10	87.05-87.13	J	74	P-R	-	-	-	Frequent black specks,	WBCK	CHALK
								unstained, no infill.		
11	87.05-87.15	J	80	U-R	-	-	-	Frequent black specks,	WBCK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, P-SM = Planar - smooth, S-R = Stepped - rough, U-R = Undulating - rough.

STRUCTURAL SOILS
The Old School
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Bristol BS3 4EB

Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 1 of 7 [redacted]

SUMMARY OF DISCONTINUITIES - DCBH2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
12	87.26	PFR	6	U-R	-	-	-	Clean.	WBCK	CHALK
13	87.59	J	15	U-R	-	-	-	Frequent black specks,	WBCK	CHALK
								unstained, no infill.		
14	87.80	BF	2	U-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
15	88.19	BF	10	P-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
16	88.67	BF	1	P-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
17	88.98	BF	8	U-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
18	89.30	BF	7	U-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
19	89.35-89.36	PFR	3	P-SM	-	-	-	Clean.	WBCK	CHALK
20	89.57	BF	6	U-R	-	-	-	Occasional black specks,	WBCK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, P-SM = Planar - smooth, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
21	89.60	BF	5	P-R	-	-	-	Clean.	WBCK	CHALK
22	89.62	BF	4	P-R	-	-	-	Rare black speckles, no	WBCK	CHALK
								staining, no infill.		
23	89.64	BF	8	P-R	-	-	-	Clean.	WBCK	CHALK
24	89.70	BF	7	P-R	-	-	-	Rare black speckles, no	WBCK	CHALK
								staining, no infill.		
25	89.79	BF	7	P-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
26	89.81	BF	7	P-R	-	-	-	Clean.	WBCK	CHALK
27	89.94	BF	6	U-R	-	-	-	Clean.	WBCK	CHALK
28	90.00	PFR	6	P-R	-	-	-	Clean.	WBCK	CHALK
29	90.07	BF	4	P-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
30	90.32-91.33	J	16	U-R	-	-	-	Clean.	WBCK	CHALK
31	90.37	PFR	13	P-R	-	-	-	No black speckles, lightly	WBCK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, P-SM = Planar - smooth, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								stained yellow, no infill.		
32	90.38	BF	10	U-R	-	-	-	Clean.	WBCK	CHALK
33	90.41-91.45	J	75	P-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
34	90.41-91.53	J	85	U-R	-	-	-	Clean.	WBCK	CHALK
35	90.43	PFR	4	P-R	-	-	-	Clean.	WBCK	CHALK
36	90.44-90.48	J	60	P-R	-	-	-	Clean.	WBCK	CHALK
37	90.47-90.51	J	62	P-R	-	-	-	Clean.	WBCK	CHALK
38	90.49-90.57	J	85	P-R	-	-	-	Clean.	WBCK	CHALK
39	90.87	BF	9	U-R	-	-	-	Clean.	WBCK	CHALK
40	90.89	BF	6	P-R	-	-	-	Rare black specks, lightly	WBCK	CHALK
								stained yellow, no infill.		
41	91.11	BF	4	U-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill..		
42	91.12-91.13	PFR	5	U-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		

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Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, P-SM = Planar - smooth, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
43	91.87	BF	4	U-R	-	-	-	Clean.	WBCK	CHALK
44	91.89	BF	4	P-R	-	-	-	Rare black specks,	WBCK	CHALK
								unstained, no infill.		
45	92.30-92.30	J	18	U-R	-	-	-	Clean.	WBCK	CHALK
46	92.33	BF	2	U-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
47	92.41-92.42	J	11	U-R	-	-	-	Clean.	WBCK	CHALK
48	92.43-92.44	J	14	U-R	-	-	-	Clean.	WBCK	CHALK
49	92.58-92.61	J	18	U-R	-	-	-	Clean.	WBCK	CHALK
50	95.25	BF	8	U-R	-	-	-	Clean.	AZCL	
51	95.41	BF	10	U-R	-	-	-	Clean.	PWBCK	CHALK
52	95.49	BF	9	U-R	-	-	-	Occasional black specks,	PWBCK	CHALK
								unstained, no infill.		
53	96.15-96.18	J	19	U-R	-	-	-	Occasional black specks,	PWBCK	CHALK
								unstained, no infill.		
54	96.24	BF	4	U-R	-	-	-	Clean.	PWBCK	CHALK

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Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
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Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 5 of 7

SUMMARY OF DISCONTINUITIES - DCBH2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
55	96.37	BF	9	P-R	-	-	-	Occasional black specks,	PWBCK	CHALK
								unstained, no infill.		
56	97.15	BF	4	P-R	-	-	-	Occasional black specks,	PWBCK	CHALK
								unstained, no infill.		
57	97.44	BF	7	P-R	-	-	-	Clean.	PWBCK	CHALK
58	97.58-97.61	J	22	U-R	-	-	-	Clean.	PWBCK	CHALK
59	97.82	BF	9	P-R	-	-	-	Clean.	PWBCK	CHALK
60	98.31	BF	6	P-R	-	-	-	Clean.	PWBCK	CHALK
61	98.94	BF	7	P-R	-	-	-	Clean.	PWBCK	CHALK
62	99.19	BF	2	U-R	-	-	-	No black specks, lightly	PWBCK	CHALK
								stained yellow, no infill.		
63	99.52	BF	3	U-R	-	-	-	No black specks, lightly	PWBCK	CHALK
								stained yellow, no infill.		
64	99.68-99.71	BF	26	P-R	-	-	-	Clean.	PWBCK	CHALK
65	99.77	BF	4	P-R	-	-	-	Clean.	PWBCK	CHALK
66	100.01-100.03	J	19	S-R	-	-	-	Occasional black specks,	PWBCK	CHALK

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Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, P-SM = Planar - smooth, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								lightly stained yellow, no infill.		
67	100.11	BF	5	P-R	-	-	-	Clean.	PWBCK	CHALK
68	100.19	BF	8	P-R	-	-	-	Clean.	PWBCK	CHALK
69	101.46	BF	9	U-R	-	-	-	Clean.	PWBCK	CHALK
70	102.01-102.02	J	13	U-R	-	-	-	Clean.	PWBCK	CHALK
71	102.13	BF	8	U-R	-	-	-	Clean.	PWBCK	CHALK
72	102.57-102.59	J	15	U-R	-	-	-	Occasional black specks,	PWBCK	CHALK
								unstained, no infill.		
73	102.59-102.70	J	80	U-R	-	-	-	Clean.	PWBCK	CHALK

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, P-SM = Planar - smooth, S-R = Stepped - rough, U-R = Undulating - rough.

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Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 7 of 7

STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**1** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
														0	
0.10	1	B									MADE GROUND: Brown gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of granite. (MADE GROUND)		1.53	0.10	
0.10	2	D													
0.10	3	ES													
0.10-0.30	4	B									MADE GROUND: Orangish brown slightly gravelly slightly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)			(0.60)	
0.30	5	D													
0.30	6	ES													
0.30-0.70	7	B											0.93	1 0.70	
0.50	8	D													
0.50	9	ES													
0.70	10	B									MADE GROUND: Dark orangish brown mottled dark grey slightly gravelly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)			(0.50)	
0.90	11	D												1	
1.00	12	ES											0.43	1.20	
1.20-2.20				30	0	0		80% Polymer-Mud (Brown)			Partial recovery (30%). Recovered as MADE GROUND: Blackish green slightly gravelly fine to medium micaceous SAND with occasional to frequent coarse sand to fine gravel sized comminuted shells. Gravel is subangular to surrounded fine to coarse flint. Colour oxidises to dark yellowish brown. (PARTIAL RECOVERY)		0	(1.00)	
														2	
2.20-3.20				80	0	0		80% Polymer-Mud (Brown)			MADE GROUND: Blackish green slightly gravelly fine to medium micaceous SAND with occasional to frequent coarse sand to fine gravel sized comminuted shells. Gravel is subangular to surrounded fine to coarse flint. Colour oxidises to dark yellowish brown. (MADE GROUND)		-0.57	2.20 (0.80)	
													-1		
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-1.37	3.00	AZCL
3.20-4.20													-1.57	3.20	
3.30	5	ES	1xT+2xJ+1xV								Partial recovery (40%). Recovered as MADE GROUND: Blackish green slightly gravelly fine to medium micaceous SAND with occasional to frequent coarse sand to fine gravel sized comminuted shells. Gravel is subangular to surrounded fine to coarse flint. Colour oxidises to dark yellowish brown. (PARTIAL RECOVERY)				
3.30	WAC4	ES	1xT, 1xJ, 1xV	40	0	0		80% Polymer-Mud (Brown)					-2	(1.00)	
														4	
4.20-4.90				53	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-2.57	4.20 (0.33)	AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
17/07/19		0.00	None	N/R	-
17/07/19		1.20	None	400	-
17/07/19		1.20	None	400	-
17/07/19		1.20	1.00	146	-
17/07/19		1.20	1.00	146	-
19/07/19		1.20	1.00	146	-
19/07/19		11.90	None	146	1.00
20/07/19		11.90	1.00	146	1.50

General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Hand dug inspection pit to 1.20m depth.
4. Slight seepage at 1.00m depth.
5. Borehole installed with 50mm slotted pipe. GL to 4.20m depth plain pipe, 4.20m to 10.00m depth slotted pipe.

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**2** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
								80% Polymer-Mud (Brown)					-2.90	4.53	AZCL
4.62	6	ES	1xT+2xJ+1xV	53	0	0					Spongy black pseudo-fibrous PEAT with occasional relict rootlets up to 3mm. (SUPERFICIAL DEPOSITS - PEAT)		-2.99	4.62	
4.62	WAC5	ES	1xT, 1xJ, 1xV								Very soft dark bluish grey CLAY with occasional relict rootlets up to 25mm, occasional pockets of peat up to 1 x 2mm and rare lenses of fine to medium yellowish brown sand up to 4 x 3mm. (SUPERFICIAL DEPOSITS - CLAY)		-3	(0.28)	
4.90-6.40				0	0	0		0% Polymer-Mud			. . . 4.84-4.90m: thin band of very soft blackish brown slightly gravelly clay with frequent pockets of amorphous peat up to 12 x 30mm and frequent lenses of fine to medium yellowish brown sand up to 4 x 70mm. Occasional fine gravel sized comminuted shells. Gravel is subangular to subrounded fine to medium gravel of iron concretion.		-3.27	4.90	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-4	5 (1.50) 6	AZCL
6.40-7.15				0	0	0		0% Polymer-Mud			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-4.77	6.40	
													-5	(0.75) 7	AZCL
7.15-7.90				0	0	0		0% Polymer-Mud			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-5.52	7.15	
													-6	(0.75)	AZCL
7.90-8.50				0	0	0		0% Polymer-Mud			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-6.27	7.90	
														8 (0.60)	AZCL
8.50-10.00				33	0	0					Partial recovery (33%). Recovered as very soft dark grey CLAY with occasional relict rootlets up to 25mm, occasional pockets of peat up to 20 x 25mm and occasional fine gravel sized comminuted shells. (SUPERFICIAL DEPOSITS - CLAY). The clay is		-6.87	8.50	
8.78	7	ES	1xT+2xJ+1xV										-7		PR / AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
20/07/19		14.80	11.90	146	-
21/07/19		14.80	11.90	146	1.50
21/07/19		22.90	11.90	146	0.30
23/07/19		22.90	11.90	146	1.10
23/07/19		23.50	11.90	146	-
24/07/19		23.50	11.90	146	-
25/07/19		23.50	11.90	146	-
30/07/19		23.50	11.90	146	0.40

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**3** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				33	0	0		0% Polymer-Mud			underlain by spongy black pseudo-fibrous PEAT with occasional relict rootlets up to 5mm and occasional fine gravel sized comminuted shells. (SUPERFICIAL DEPOSITS - CLAY)		-8	9 (1.50)	PR/ AZCL
10.00-10.55				27	0	0		0% Polymer-Mud			Partial recovery (27%). Recovered as grey micaceous fine to medium SAND with rare pockets of peat up to 70 x 70mm. (SUPERFICIAL DEPOSITS - SAND)		-8.37 -8.92	10.00 10 (0.55) 10.55	PR/ AZCL
10.55-10.90				0	0	0		0% Polymer-Mud			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-9	(0.35)	AZCL
10.90-11.50													-9.27	10.90	
								0% Polymer-Mud			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-9.52	11 (0.35) 11.15	AZCL
11.15	WAC6	ES	1xT, 1xJ, 1xV	58	0	0		0% Polymer-Mud			Spongy black pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)		-9.87	11.50	
11.50-11.90				37	0	0		0% Polymer-Mud			Partial recovery (37%). Recovered as grey silty fine to medium SAND with occasional coarse sand sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-10	(0.40)	PR/ AZCL
11.90-12.60				0	0	0		100% Polymer-Mud (Brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-10.27 -10.97	11.90 12 (0.70) 12.60	AZCL
12.60-13.35				0	0	0		100% Polymer-Mud (Brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-11	(0.75)	AZCL
													-11.72	13 13.35	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
30/07/19		24.50	22.40	146	1.05
31/07/19		24.50	22.40	146	-
31/07/19		36.50	35.00	146	-
01/08/19		36.50	22.40	146	1.30
01/08/19		46.70	44.00	146	0.10
02/08/19		46.70	44.00	146	0.10
02/08/19		58.00	44.00	146	0.30
03/08/19		58.00	44.00	146	1.10

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**4** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
13.35-14.10				11	0	0		100% Polymer-Mud (Brown)			Minimal recovery (11%). Recovered as dark grey micaceous fine to medium SAND with occasional coarse sand to fine gravel size comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-12	(0.75)	MR / AZCL
				11	0	0							-12.47	14.10	
14.10-14.80				29	0	0		100% Polymer-Mud (Brown)			Partial recovery (29%). Recovered as dark grey micaceous fine to medium SAND with occasional coarse sand to fine gravel size comminuted shells and rare well rounded fine gravel of quartz. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-13	(0.70)	PR / AZCL
													-13.17	14.80	
14.80-15.60											Partial recovery (29%). Recovered as dark grey micaceous fine to medium SAND with occasional coarse sand to fine gravel size comminuted shells. 40mm from base layer of grey micaceous silt. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))				
14.80	8	ES	1xT+2xJ+1xV	29	0	0		95% Polymer-Mud (Grey/Brown)						15	
														(0.80)	PR / AZCL
													-13.97	15.60	
15.60-16.05											Not logged zone with sampling. Geotechnical sample (C1). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-14		
15.60-16.00	1	C		89	0	0		95% Polymer-Mud (Grey/Brown)						(0.45)	NLZS
											. . . 16.00-16.05:Assumed zone of core loss.		-14.42	16.05	
16.05-16.95											Dark grey micaceous fine to medium SAND with occasional coarse sand to fine gravel size comminuted shells. 40mm from base layer of grey micaceous silt. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-14.67	16.30	
16.30-16.85	2	C		89	0	0		95% Polymer-Mud (Grey/Brown)			Not logged zone with sampling. Geotechnical sample (C2). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-15	(0.65)	NLZS
											. . . 16.85-16.95m: Assumed zone of core loss..		-15.32	16.95	
16.95-17.50											Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells (RED CRAG FORMATION (UNDIFFERENTIATED))		-15.37	17.00	
17.00-17.50	3	C		100	0	0		95% Polymer-Mud (Grey/Brown)			Not logged zone with sampling. Geotechnical sample (C3). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.50)	NLZS
													-15.87	17.50	
17.50-19.00											Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells (RED CRAG FORMATION (UNDIFFERENTIATED))		-16		
17.50	WAC7	ES	1xT, 1xJ, 1xV	72	0	0								(0.39)	
													-16.26	17.89	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
03/08/19		68.77	44.00	146	0.20
04/08/19		68.77	44.00	146	1.20
04/08/19		82.50	None	146	Dry
05/08/19		82.50	44.00	146	1.20
05/08/19		97.40	44.00	146	0.90
06/08/19		97.40	44.00	146	0.40
06/08/19		100.30	44.00	146	0.40
07/08/19		62.50	44.00	146	3.10

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**5** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
											Grey fine to medium SAND with occasional coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-16.40	18.03	
18.03-18.58	4	C		72	0	0		95% Polymer-Mud (Grey/Brown)			Not logged zone with sampling. Geotechnical sample (C4). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-16.95	(0.55) 18.58	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-17.37	(0.42) 19.00	AZCL
19.00-20.00				10	0	0		95% Polymer-Mud (Grey/Brown)			Minimal recovery (10%). Recovered as grey fine to medium micaceous SAND with few coarse sand to small gravel sized comminuted shells. Rare fine gravel sized iron concretions. (RED CRAG FORMATION (UNDIFFERENTIATED))		-18.37	(1.00) 20.00	MR/ AZCL
20.00-20.50				40	0	0		95% Polymer-Mud (Grey/Brown)			Partial recovery (40%). Recovered as grey fine to medium micaceous SAND with few coarse sand to small gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-18.87	(0.50) 20.50	PR/ AZCL
20.50-21.10															
20.50-21.10	5	C		100	0	0		95% Polymer-Mud (Grey/Brown)			Not logged zone with sampling. Geotechnical sample (C5). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-19.47	(0.60) 21.10	NLZS
21.10-22.00															
21.10-21.55	6	C		50	0	0		95% Polymer-Mud (Grey/Brown)			Not logged zone with sampling. Geotechnical samplee (C6). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-19.92	(0.45) 21.55	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				
22.00-22.90				0	0	0					. . . 22.00-22.90m: CRF/AZCL (450mm dropped; 200mm CRF).			(1.35) 22.90	AZCL / CRF

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
07/08/19			20.00	146	0.10
08/08/19	08:20		20.00	146	1.80

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**6** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				0	0	0		95% Polymer-Mud (Grey/Brown)					-21		CRF/ AZCL
22.90-23.50													-21.27	22.90	
22.95-23.50	7	C		133	0	0		80% Polymer-Mud (Brown)			Grey fine to medium micaceous SAND with few coarse sand to small gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) Not logged zone with sampling. Geotechnical sample (C7). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-21.32	22.95 (0.55)	NLZS
23.50-24.00				0	0	0		85% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-21.87 -22	23.50 (0.50)	AZCL
24.00-24.50				40	0	0		85% Polymer-Mud (Grey)			Partial recovery (40%). Recovered as grey fine to medium micaceous SAND with few coarse sand to small gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-22.37	24.00 (0.50)	PR/ AZCL
24.50-25.00				0	0	0		85% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-22.87 -23	24.50 (0.50)	AZCL
25.00-25.50				60	0	0		85% Polymer-Mud (Grey)			Grey fine to medium SAND with abundant comminuted shells and extremely closely to widely spaced thin to thick laminae of grey micaceous silty clay. (RED CRAG FORMATION (UNDIFFERENTIATED)) Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-23.37	25.00 (0.30)	
25.50-26.00				0	0	0		85% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-23.67 -23.87 -24	25.30 25.50 (0.50)	AZCL
26.00-26.75													-24.37	26.00	
26.00-26.35	8	C		47	0	0		85% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C8). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-24.72	26.35 (0.35)	NLZS
26.75-27.50				40	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS) Partial recovery (40%). Recovered as grey fine to coarse micaceous SAND with abundant comminuted		-25 -25.12	26.75 (0.40)	AZCL PR/ AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted] IS

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STRUCTURAL SOILS

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Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**7** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				40	0	0		85% Polymer-Mud (Grey)			shells. (RED CRAG FORMATION (UNDIFFERENTIATED))			27 (0.75)	PR/ AZCL
27.50-28.25				60	0	0		85% Polymer-Mud (Grey)			Grey fine to coarse micaceous SAND with abundant comminuted shell fragments and a thin bed of grey micaceous silty clay. (RED CRAG FORMATION (UNDIFFERENTIATED))		-25.87 -26 -26.32	27.50 (0.45) 27.95	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-26.62	28 (0.30) 28.25	AZCL
28.25-29.00				100	0	0		85% Polymer-Mud (Grey)			Grey fine to coarse micaceous SAND with abundant comminuted shell fragments and a thin bed of grey micaceous silty clay. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 28.41-28.43m: extremely closely spaced thinly to thickly laminated grey micaceous silty clay. . . . 28.83m: thin laminae of grey micaceous silty CLAY. . . . 28.88m: thin laminae grey micaceous silty CLAY.		-27		
29.00-30.50				100	0	0		85% Polymer-Mud (Grey)			. . . 29.59-29.78m: thin bed of locally thickly laminated grey micaceous firm silty CLAY.		-28	29 (1.70)	
29.95-30.50	9	C									. . . 29.93-29.95m: very thin bed grey micaceous silty CLAY. Not logged zone with sampling. Geotechnical sample(C9). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-28.32 -28.87	29.95 30 (0.55) 30.50	NLZS
30.50-32.00 30.50	9	ES	1xT+2xJ+1xV	100	0	0		85% Polymer-Mud (Grey)			Grey fine to coarse micaceous SAND with abundant comminuted shell fragments and a thin bed of grey micaceous silty clay. (RED CRAG FORMATION (UNDIFFERENTIATED))		-29	31	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**8** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
32.00-33.50				100	0	0		85% Polymer-Mud (Grey)					-30	(2.21) 32	
				100	0	0					Grey fine to medium SAND with occasional comminuted shells and extremely closely to very closely spaced thin laminae of slightly glauconitic micaceous fine sandy clay. (RED CRAG FORMATION (UNDIFFERENTIATED))		-31 / -31.08	32.71	
														(0.58) 33	
											Grey fine to coarse SAND with abundant comminuted shells (RED CRAG FORMATION (UNDIFFERENTIATED))		-31.66	33.29	
33.50-35.00				100	0	0							-32	(1.16) 34	
34.45-35.00	10	C									Not logged zone with sampling. Geotechnical sample (C10). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-32.82	34.45	
													-33	(0.55)	NLZS
35.00-36.50				100	0	0		85% Polymer-Mud (Grey)			Grey fine to coarse SAND with abundant comminuted shells (RED CRAG FORMATION (UNDIFFERENTIATED))		-33.37	35.00	
														(0.38) 35	
											Grey fine to medium SAND with occasional comminuted shells (RED CRAG FORMATION (UNDIFFERENTIATED))		-33.75	35.38	
													-34		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted]

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BOREHOLE LOG

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Contract Ref:	Start: **17.07.19** End: **08.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**1.63**	**E:647335.9 N:264113.0**	**9** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
36.50-38.00				100	0	0		85% Polymer-Mud (Grey)					-35	36 (3.03) 37	
36.50	10	ES	1xT+2xJ+1xV												
				100	0	0							-36		
38.00-39.50														38	
													-36.78	38.41	
											Grey fine to medium SAND with frequent comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-37	(0.54)	
				100	0	0		85% Polymer-Mud (Grey)					-37.32	38.95	
38.95-39.50	11	C									Not logged zone with sampling. Geotechnical sample (C11). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			39 (0.55)	NLZS
													-37.87	39.50	
39.50-41.00											Grey fine to medium SAND with occasional comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-38		
				97	0	0		85% Polymer-Mud (Grey)						(0.93) 40	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**10** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
											Grey fine to medium SAND with occasional comminuted shells and shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		38.80	40.43	
				97	0	0							-39		
											. . . 40.81-40.89m: very thin bed of comminuted shells.			(0.90)	
41.00-42.50											. . . 40.84-41.00m: thinly to thickly bedded grey mudstone recovered as angular to subangular fine to coarse gravel.			41	
													39.70	41.33	
41.38-41.85	12	C						85% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C12). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-40	(0.55)	NLZS
				57	0	0							40.25	41.88	
											Assume zone of core loss. (ASSUMED ZONE OF CORE LOSS)			42	
														(0.62)	AZCL
													40.87	42.50	
42.50-44.00											Grey fine to medium SAND with occasional comminuted shells and shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-41		
				100	0	0								43	
43.45-44.00	13	C												(1.77)	
													-42		
44.00-44.70														44	
				100	0	0							42.64	44.27	
											. . . 44.25-44.27m: black rounded medium gravel of flint.				
44.50	11	ES	1xT+10xJ+1xV								Very stiff extremely closely to very closely fissured greyish brown micaceous CLAY with extremely closely to widely spaced thinly laminated to thinly bedded extremely weak to medium strong dark bluish grey to dark grey volcaniclastic siltstone/claystone. Fissures are randomly orientated planar rough or smooth.		-43		
44.70-45.50				81	0	0									

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**11** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				81	0	0		85% Water (Grey)			(HARWICH FORMATION, WRABNESS MEMBER) . . . 44.64-44.65m: lens of fine to coarse sand. . . . 44.65-44.67m: significant debris. . . . 44.70-44.98m: backfill. . . . 45.35-45.50m: Assumed zone of core loss.			45	
45.50-47.00				100	0	0		85% Water (Grey)			. . . 45.50-45.58m: thin bed of medium strong dark bluish grey volcaniclastic siltstone/claystone. . . . 45.68-45.71m: very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. Top 3mm bioturbated with light grey burrows up to 1x2mm. . . . 45.78-45.80m: thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. Top 4mm bioturbated with light grey burrows up to 1x2mm. . . . 46.49m:.thick laminae of extremely weak dark grey volcaniclastic siltstone/claystone. Bioturbated with light grey burrows up to 1x2mm.		-44 -45	(2.43) 46 45.07 46.70	
46.70-47.00	14	C									Not logged zone with sampling. Geotechnical sample (C14). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.30)	NLZS
47.00-48.50				100	0	0		85% Water (Grey)			Very stiff extremely closely to very closely fissured greyish brown micaceous CLAY with extremely closely to widely spaced thinly laminated to thinly bedded extremely weak to medium strong dark bluish grey to dark grey volcaniclastic siltstone/claystone. Fissures are randomly orientated planar rough or smooth. (HARWICH FORMATION, WRABNESS MEMBER) . . . 47.78-47.88m: extremely close to very closely spaced thinly to thickly laminated dark greenish grey volcaniclastic siltstone/claystone. Top 5mm bioturbated with light grey burrows up to 1 x 2mm. . . . 47.93-48.07m: thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. Top 40mm bioturbated with light grey burrows up to 1x5mm. . . . 48.12-47.15m: very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 47.30-47.40m: extremely close to very closely spaced thinly laminated dark greenish grey volcaniclastic siltstone/ claystone. . . . 48.47-48.50m: very thin bed of volcaniclastic siltstone/ claystone.		-46 -47	47 48 (2.54)	
48.50-49.60				99	0	0		85% Water (Grey)			. . . 48.75-48.77m: thick laminae of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 48.78-48.79m:.thick laminae of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 48.88-48.94m:.very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 49.12-49.17m:.very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone.			49	
49.17-49.54	15	C													

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19** End: **08.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**1.63**	**E:647335.9 N:264113.0**	**12** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				99	0	0							-47.91	49.54	
49.60-51.10											Very strong dark grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-48 -48.06	49.69	
				100	0	0		85% Water (Grey)			Very stiff extremely closely to very closely fissured greyish brown micaceous CLAY. Fissures are randomly orientated planar rough or smooth. (HARWICH FORMATION, WRABNESS MEMBER) . . . 49.79-49.84m:.very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 50.07-50.12m:.very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. Bottom 4mm bioturbated with light grey burrows up to 1x2mm. . . . 50.22-50.34m:.thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 50.49-50. 51m:.thick laminae of extremely weak dark grey volcaniclastic siltstone/claystone. Top 3mm bioturbated with light grey burrows up to 1x2mm. . . . 50.66-50.69m:.very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone.		-49	50 (1.41)	
51.10-52.40													-49.47	51 51.10	
51.52-51.83	16	C		100	0	0		85% Water (Grey)			Stiff to very stiff extremely closely to very closely fissured greyish brown bioturbated micaceous SILT with very closely to medium spaced partings of light grey silty fine sand. Fissures are randomly orientated planar rough or smooth. Burrows are subhorizontal up to 3 x 15mm infilled with light grey fine sand. (HARWICH FORMATION, ORWELL MEMBER) . . . 51.18m: subhorizontal burrow 1x6mm. . . . 51.34-51.38m: very thin bed of extremely weak dark grey volcaniclastic siltstone/ claystone. Top 4mm bioturbated with light grey burrows up to 1x2mm. <1mm light grey silt laminae at top. . . . 51.84m: grey micaceous silt parting.		-50	52	
52.40-53.50				82	0	0		85% Water (Grey)			. . . 52.68m: subhorizontal burrow 4x 15mm infilled with dark grey silt. . . . 52.99m: subhorizontal burrow 4x 15mm infilled with dark grey silt. . . . 53.31-53.50m: Assumed zone of core loss..		-51	53 (4.26)	
53.50-55.00				90	0	0					. . . 53.72m: light grey micaceous silt parting.		-52		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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BOREHOLE LOG

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Contract Ref:	Start: **17.07.19** End: **08.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**1.63**	**E:647335.9 N:264113.0**	**13** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
54.47-54.83	17	C		90	0	0		85% Water (Grey)			. . . 52.95m: subhorizontal burrow 2x 12mm infilled with grey silt. . . . 54.12m: light grey slightly sandy silt parting . . . 54.30m: light grey slightly sandy silt parting		-53	54	
55.00-56.50				100	0	0		85% Water (Grey)			. . . 54.85-55.00m: Assumed zone of core loss. . . . 55.11m: light grey slightly sandy silt parting . . . 55.27m: light grey slightly sandy silt parting		-53.73	55 55.36	
											Stiff to very stiff greyish brown bioturbated micaceous SILT with closely to medium spaced laminations of light grey silt and subhorizontal burrows up to 4 x 22mm infilled with light grey silt. (HARWICH FORMATION, ORWELL MEMBER) . . . 55.50-55.55m: non intact recovered as clayey gravel. Gravel is subangular medium pyrite		-53.97	55.60	
											Very stiff extremely to very closely fissured greyish brown bioturbated micaceous CLAY. Fissures are randomly orientated planar rough or smooth. Burrows are subvertical and subhorizontal up to 2 x 9mm infilled with light grey silt. (HARWICH FORMATION, ORWELL MEMBER)		-54 -54.55	(0.58) 56 56.18	
56.50-58.00				100	0	0		85% Water (Grey)			Very stiff extremely to very closely fissured greyish brown bioturbated micaceous CLAY. Fissures are randomly orientated planar rough or smooth. Burrows are subvertical and subhorizontal up to 2 x 7mm infilled with light grey silt. (HARWICH FORMATION, ORWELL MEMBER) . . . 56.25m: light grey slightly sandy silt parting. . . . 56.31m: light grey slightly sandy silt parting. . . . 56.42m: light grey slightly sandy silt parting.		-55 -55.10	(0.55) 56.73	
											Stiff to very stiff greyish brown bioturbated micaceous SILT with closely to medium spaced thin laminae of light grey silt. (HARWICH FORMATION, ORWELL MEMBER) . . . 57.00m: thick lamination of dark grey silty fine sand. . . . 57.22-57.28m: very thin bed of dark grey silty fine sand.		-55.80	57 (0.70) 57.43	
58.00-59.30				96	0	0		85% Water (Grey)			Firm to stiff light brown slightly sandy bioturbated calcareous slightly micaceous SILT. Burrows are randomly orientated up to 2 x 11mm infilled with brown fine sand. (READING FORMATION)		-56 -56.59	(0.79) 58 58.22	
											Firm brown slightly sandy bioturbated calcareous slightly micaceous SILT.				

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
											(READING FORMATION)		-57	59	
59.30-60.80				96	0	0		85% Water (Grey)						(2.34)	
59.50-59.80	18	C											-58		
				100	0	0		85% Water (Grey)						60	
													-58.93	60.56	
											Firm to stiff thinly to thickly laminated greyish brown micaceous SILT interbedded with extremely close to very closely spaced firm brown slightly sandy bioturbated calcareous slightly micaceous SILT. (READING FORMATION)		-59		
60.80-62.30													-59.17	60.80	
											Minimal recovery (13%). Recovered as firm to stiff thinly to thickly laminated greyish brown micaceous SILT interbedded with extremely close to very closely spaced firm brown slightly sandy bioturbated calcareous slightly micaceous SILT. (READING FORMATION)			61	
				13	0	0		85% Water (Brown)					-60	(1.50)	MR / AZCL
														62	
62.30-63.80													-60.67	62.30	
											Greyish brown calcareous micaceous fine to medium SAND with occasional shell fragments and rare subangular fine gravel of cemented sand. (READING FORMATION)				
				77	0	0		85% Water (Brown)					-61	(1.18)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

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Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

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734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**15** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				77	0	0		85% Water (Brown)			. . . 63.31-63.42m: thin bed of greyish brown silty sand.			63	
													-61.85	63.48	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-62	(0.32)	AZCL
63.80-65.30													-62.17	63.80	
											Greyish brown calcareous micaceous fine to medium SAND with occasional shell fragments and rare subangular fine gravel of cemented sand. (READING FORMATION)			(0.41)	
													-62.58	64.21	
				80	0	0		85% Polymer-Mud (Brown)			Brownish grey calcareous micaceous fine to medium SAND with frequent shell fragments and occasional subangular fine to medium gravel of cemented sand and extremely close to medium spaced partings of black silty sand. (READING FORMATION) . . . 64.50m: gravel of subangular fine cemented sand. . . . 64.75m: gravel of subangular fine cemented sand. . . . 64.81m: gravel of subangular fine cemented sand.		-63	(0.76)	
64.90-65.30	19	C											-63.34	64.97	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-63.67	(0.33)	AZCL
65.30-66.80														65.30	
				100	0	0		85% Water (Brown)			Brownish grey calcareous micaceous fine to medium SAND with frequent shell fragments and occasional subangular fine to medium gravel of cemented sand and extremely close to medium spaced partings of black silty sand. (READING FORMATION) . . . 65.62m: gravel of subangular fine cemented sand. . . . 65.70m: gravel of subangular medium cemented sand.		-64	(1.16)	
											. . . 66.34-66.46m: thin bed of dark grey silty calcareous micaceous fine to medium SAND		-64.83	66.46	
											Very stiff dark grey mottled black and orangish brown slightly sandy bioturbated slightly calcareous micaceous silty CLAY . Burrows are subhorizontal and subvertical up to 7mm by 62mm infilled with. (READING FORMATION) . . . 66.80-67.05m: possible caved in material.		-65		
66.80-67.65														67	
				100	0	0		85% Water (Brown)			. . . 67.07m: lignitic debris.				

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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Contract:	Client:	Borehole:
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734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**16** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
67.65-68.77				100	0	0		85% Water (Brown)			. . . 67.62-67.64 m: subangular fine gravel of greyish brown claystone nodules (?) . . . 67.75-67.82m: possible caved in material.		-66	(2.90)	
68.00-68.30	20	C									. . . 67.96-68.10m: extremely weak fine to medium gravel of light brown siltstone/claystone fragments.			68	
				100	0	0							-67		
68.77-69.71								80% Polymer-Mud (Grey)						69	
				100	0	0		60% Polymer-Mud (Grey)					-67.73	69.36	
											Very stiff greyish green mottled orangish brown micaceous clayey SILT. (UPNOR FORMATION)			(0.28)	
69.71-70.50											Very stiff greyish green mottled pinkish red micaceous clayey SILT. (UPNOR FORMATION)		-68.01	69.64	
				100	0	0								(0.34)	
											Very stiff greyish green mottled orangish brown micaceous clayey SILT. (UPNOR FORMATION)		-68.35	69.98	
70.50-72.00											. . . 70.53-70.60m: mottled pinkish red. . . . 70.71m: parting of light grey fine sand.			70 (0.84)	
				97	0	0		80% Polymer-Mud (Grey)					-69		
											Very stiff locally laminated greyish green micaceous clayey SILT with extremely close to very closely spaced partings of light grey silty fine micaceous sand. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 70.90-71.12m: locally laminated.		-69.19	70.82	
														71 (0.58)	
											Very stiff very closely to closely spaced fissured dark grey slightly bioturbated slighty micaceous glauconitic silty CLAY with occasional non calcareous agglutinant. Fissures are randomly orientated planar rough or smooth or striated. Burrows are subhorizontal and subvertical up to 3 x 17mm infilled with grey silt.		-69.77	71.40	
													-70		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
72.00-73.50				97	0	0		80% Polymer-Mud (Grey)			(LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 71.89-72.00m: striated fissure. (47 degrees)			72	
72.42-72.61	21	C		100	0	0							-71		
											. . . 72.92-73.19m: dark greyish brown.			73	
														(3.96)	
73.50-75.00				97	0	0		80% Polymer-Mud (Grey)					-72	74	
													-73		
75.00-76.50				90	0	0		80% Polymer-Mud (Grey)					-73.73	75	
											Very stiff extremely closely to very closely fissured dark grey slightly bioturbated slighty micaceous glauconitic SILT with occasional non calcareous agglutinant. Fissures are randomly orientated planar rough or smooth. Burrows are subhorizontal and subvertical up to 7 x 74mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)			75.36	
													-74		
														76	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**18** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
76.50-78.00				90	0	0		80% Polymer-Mud (Grey)			. . . 76.40-76.50m: Assumed zone of core loss.		-75	(2.64)	
				100	0	0							-76	77	
78.00-79.50				100	0	0					Very stiff fissured dark grey slightly bioturbated slighty micaceous calcareous glauconitic SILT with occasional calcareous agglutinant. Burrows are subhorizontal and subvertical up to 4 x 23mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 78.00-78.34m: clayey SILT.		-76.37	78.00	
79.50-79.58				100	0	0							-77	79	
79.58-81.00				100	0	0							-78	(2.53)	
													-78.90	80.53	
											Very stiff reddish brown very bioturbated slightly micaceous glauconitic SILT. Burrows are subhorizontal and subvertical infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER,		-79	(0.47)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**19** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0					OC2)		-79.37	81.00	
81.00-82.50 81.00-81.34	22	C									Very stiff fissured reddish brown slightly bioturbated glauconitic micaceous silty CLAY. Fissures are very closely to closely spaced randomly orientated planar rough or smooth. Burrows are subhorizontal and subvertical up to 2 x 11mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)			(0.90)	
				100	15	15		80% Polymer-Mud (Grey)					-80		
													-80.27	81.90	
											Blackish green slightly sandy gravelly glauconitic SILT. Sand is fine coarse. Gravel is subangular to rounded fine to coarse fragments and whole black and brown nodular flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1)			82	
													-80.54	82.17	
82.50-84.00											Very weak medium density closely jointed (NI/196/620) white burrow mottled light grey CHALK. Bedding fractures: 2-9° medium spaced (NI/342/910) undulating rough with rare to occasional black specks, unstained, no infill. Gently inclined joints: 12-22° medium spaced (160/551/810) undulating or planar rough with rare black specks, unstained, no infill. Inclined fractures: 32 and 74° medium spaced with rare black specks, unstained, no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade A3) . . . 82.17-82.27m: non intact. . . . 82.62m: green glauconitic-staining. . . . 83.09-83.24m: non intact. . . . 83.31m: belemnite (12x10mm). . . . 83.60m: medium gravel sized brown phosphatic fragment. . . . 83.63-83.79m: non intact.	1 2 3 4 5 6 7	-81	(1.62)	
				87	65	60		80% Polymer-Mud (Light grey)					-82	83	
													-82.16	83.79	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-82.37	84.00	AZCL
84.00-85.50											Very weak medium density closely jointed (NI/196/620) white burrow mottled light grey CHALK. Bedding fractures: 2-9° medium spaced (NI/342/910) undulating rough with rare to occasional black specks, unstained, no infill. Gently inclined joints: 12-22° medium spaced (160/551/810) undulating or planar rough with rare black specks, unstained, no infill. Inclined fractures: 32 and 74° medium spaced with rare black specks, unstained, no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER) . . . 84.05-84.07m: black-stained sponge bed. . . . 84.18m: full bivalve shell 22 x 11m. . . . 84.27m: medium gravel sized brown phosphatic fragment. . . . 83.31m: belemnite (8 x 21mm).	8 9 10 11 12 13 14 15	-83	(0.91)	
				100	71	51		80% Polymer-Mud (Light grey)					-83.28	84.91	
														85	
											Strong very high density CHALK with local green glauconitic-staining hard ground. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER: CATTON SPONGE Grade A2)	16 17	-83.70	(0.42) 85.33	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**20** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	71	51		80% Polymer-Mud (Light grey)			. . . 84.92m: medium gravel sized brown phosphatic fragment.	18			
85.50-87.00											Very weak medium density medium jointed (NI/405/3300) white burrow mottled light grey CHALK. Bedding fractures: 2-10° widely spaced (10/616/3300) undulating rough with rare black specks, unstained, no infill. Gently inclined: 11-21° widely spaced (220/1539/5220) undulating and stepped rough with rare black specks, unstained, no infill. Inclined: 32-42° very widely spaced (430/3854/7920) undulating or stepped rough with rare black specks, unstained, no infill. Steeply inclined: 88° undulating rough with rare black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade A2)	19	-84		
											. . . 85.50-85.53m: non intact.	20			
											. . . 85.68-85.72m: black-stained sponge bed.	21		86	
				100	69	57					. . . 85.76-85.86m: strong very high density hard ground.	22			
											. . . 85.76-86.04m: non intact.	23			
											. . . 86.30-86.38m: non intact.	24			
											. . . 86.75_86.92m: non intact.	25	-85		
												26			
87.00-88.50											. . . 87.05-87.15m: flint band. Fine to medium gravel of nodular flint with thin to thick cortexes (possibly not insitu).			87	
											. . . 87.05-87.53m: grey slightly gravelly fine to medium SAND. Gravel is subangular fine to medium chalk. Probably caved in material.				
											. . . 87.53-88.50m: disturbed by drilling. Recovered as white slightly sandy slightly gravelly SILT. Gravel is extremely weak to very weak low density subangular white with rare black specks (Dm).		-86		
				100	3	0								88	
88.50-90.00											. . . 88.50-88.62m: non intact.				
88.62-89.00	23	C									. . . 88.63m: green glauconitic-staining.		-87		
89.02-89.47	24	C										27		89	
				100	92	92					. . . 89.19-89.20m: black-stained sponge bed.				
89.47-89.83	25	C										28			
											. . . 89.65m: calcareous sponge (possible Porsphaera).		-88		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19** End: **08.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
90.00-91.50				100	92	92		80% Polymer-Mud (Light grey)			. . . 89.93m: belemnite (4 x 8mm). . . . 90.01m: black-stained sponge bed. . . . 90.13-90.24m: non intact.	29 30 31		90 (10.01)	
				90	65	65					. . . 91.09-91.33m: non intact. . . . 91.33-91.50m:Assumed zone of core loss.	32	-89	91	
91.50-93.00				100	45	30		80% Polymer-Mud (Light grey)			. . . 91.50-92.44m: disturbed by drilling. . . . 92-92.43m: largely non intact. . . . 92.59m: belemnite (12 x 33m).	33 34 35 36 37	-90 -91	92	
93.00-94.50				97	96	91		80% Polymer-Mud (Light grey)			. . . 94.21-94.46m: flint band. Fine to medium gravel of nodular flint with thin to cortexes	38 39 40 41 42 43	-92	93 94	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
94.50-96.00				97	96	91		80% Polymer-Mud (Light grey)			. . . 94.41m: green glauconitic-staining.	44	-93		
94.59-94.80	26	C										45			
												46			
												47			
												48		95	
				57	51	17					. . . 95.16-95.24m: non intact. . . . 95.24-95.34m: flint band. Fine to medium gravel of nodular flint with thin to thick cortexes.		-93.71	95.34	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-94	(0.66)	AZCL
96.00-96.20				90	30	0							-94.37	96.00	
96.20-97.40								80% Polymer-Mud (Light grey)			Very weak medium density medium jointed (NI/405/3300) white burrow mottled light grey CHALK. Bedding fractures: 2-10° widely spaced (10/616/3300) undulating rough with rare black specks, unstained, no infill. Gently inclined: 11-21° widely spaced (220/1539/5220) undulating and stepped rough with rare black specks, unstained, no infill. Inclined: 32-42° very widely spaced (430/3854/7920) undulating or stepped rough with rare black specks, unstained, no infill. Steeply inclined: 88° undulating rough with rare black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER) . . . 96.00-96.10m: non intact. . . . 96.10-96.16m: flint band. Fine to medium gravel of nodular flint with thin to thick cortexes. . . . 96.16-96.20m:Assumed zone of core loss. . . . 96.20-96.45: non intact. . . . 96.45-96.51m: black-stained sponge bed. . . . 97.13m: black-stained sponge bed.	49	-95	(1.40)	
				95	71	71						50			
												51		97	
													-95.77	97.40	
97.40-98.90											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-96		
														98	
				0	0	0								(1.50)	AZCL
													-97		
													-97.27	98.90	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instru-mentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
98.90-99.65				0	0	0		80% Polymer-Mud (Light grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			99 (0.75)	AZCL
													98.92	99.65	
99.65-100.30				0	0	0		80% Polymer-Mud (Light grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.65) 100	AZCL
													98.67	100.30	
											Borehole terminated at 100.30m depth.				

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

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DCBH2019_5 1.20m - 3.20m depth.





DCBH2019_5 3.20m - 4.90m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 4.90m - 7.15m depth.





DCBH2019_5 7.15m - 8.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 8.50m - 10.55m depth.





DCBH2019_5 10.55m - 11.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
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DCBH2019_5 11.50m - 12.60m depth.





DCBH2019_5 12.60m - 14.10m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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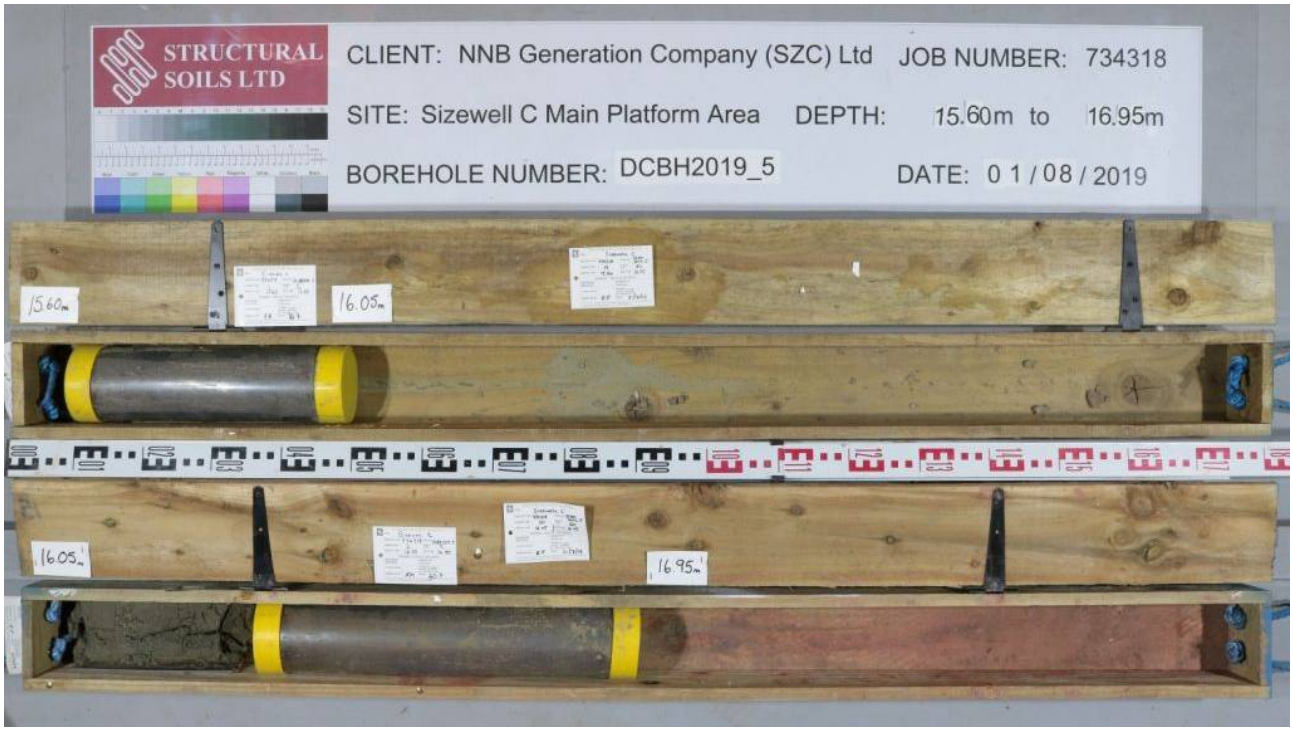
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
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DCBH2019_5 14.10m - 15.60m depth.





DCBH2019_5 15.60m - 16.95m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:37 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
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DCBH2019_5 16.95m - 19.00m depth.





DCBH2019_5 19.00m - 20.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
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DCBH2019_5 20.50m - 22.00m depth.





DCBH2019_5 22.00m - 23.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

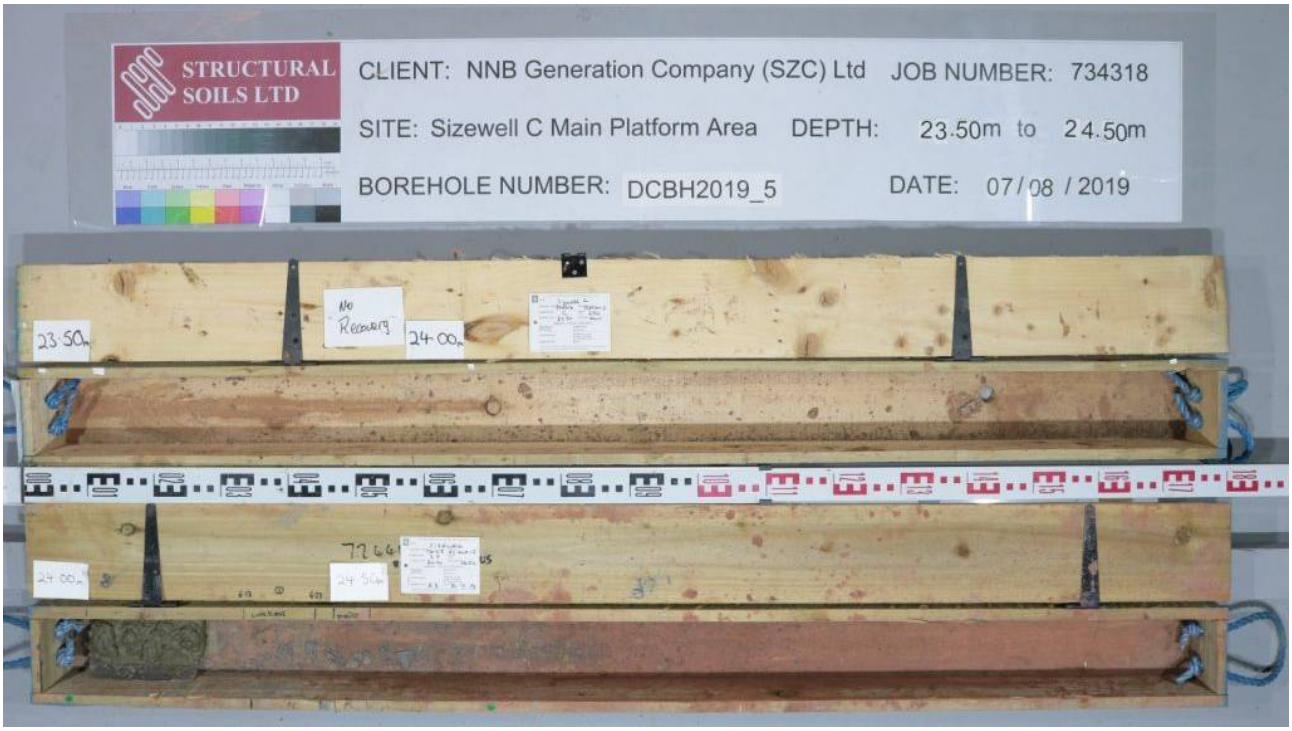
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:37 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 23.50m - 24.50m depth.





DCBH2019_5 24.50m - 25.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 25.50m - 26.75m depth.





DCBH2019_5 26.75m - 28.25m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 28.25m - 30.50m depth.





DCBH2019_5 30.50m - 33.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 33.50m - 36.50m depth.





DCBH2019_5 36.50m - 39.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 39.50m - 42.50m depth.





DCBH2019_5 42.50m - 44.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 44.70m - 47.00m depth.





DCBH2019_5 44.70m - 47.00m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 47.00m - 49.60m depth.





DCBH2019_5 47.00m - 49.60m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 49.60m - 52.40m depth.





DCBH2019_5 49.60m - 52.40m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
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DCBH2019_5 52.40m - 55.00m depth.





DCBH2019_5 52.40m - 55.00m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 55.00m - 58.00m depth.





DCBH2019_5 55.00m - 58.00m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
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DCBH2019_5 58.00m - 60.80m depth.





DCBH2019_5 58.00m - 60.80m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

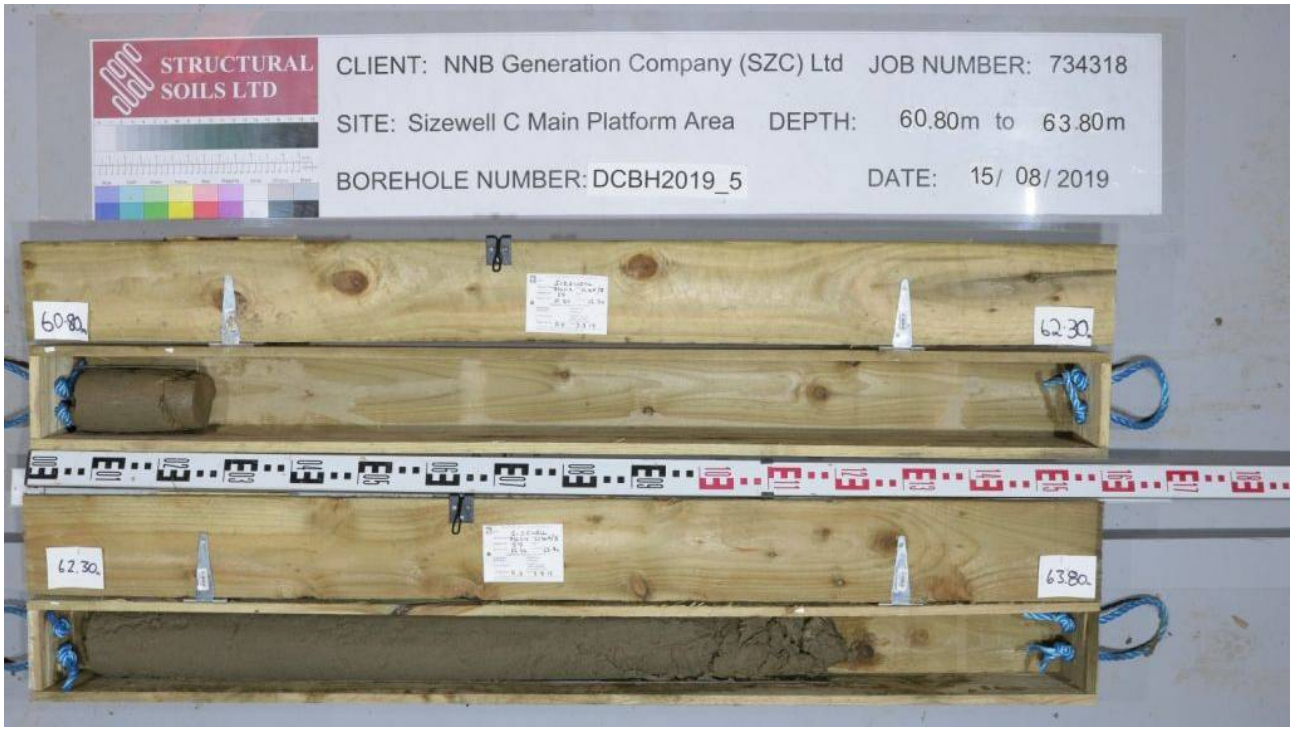
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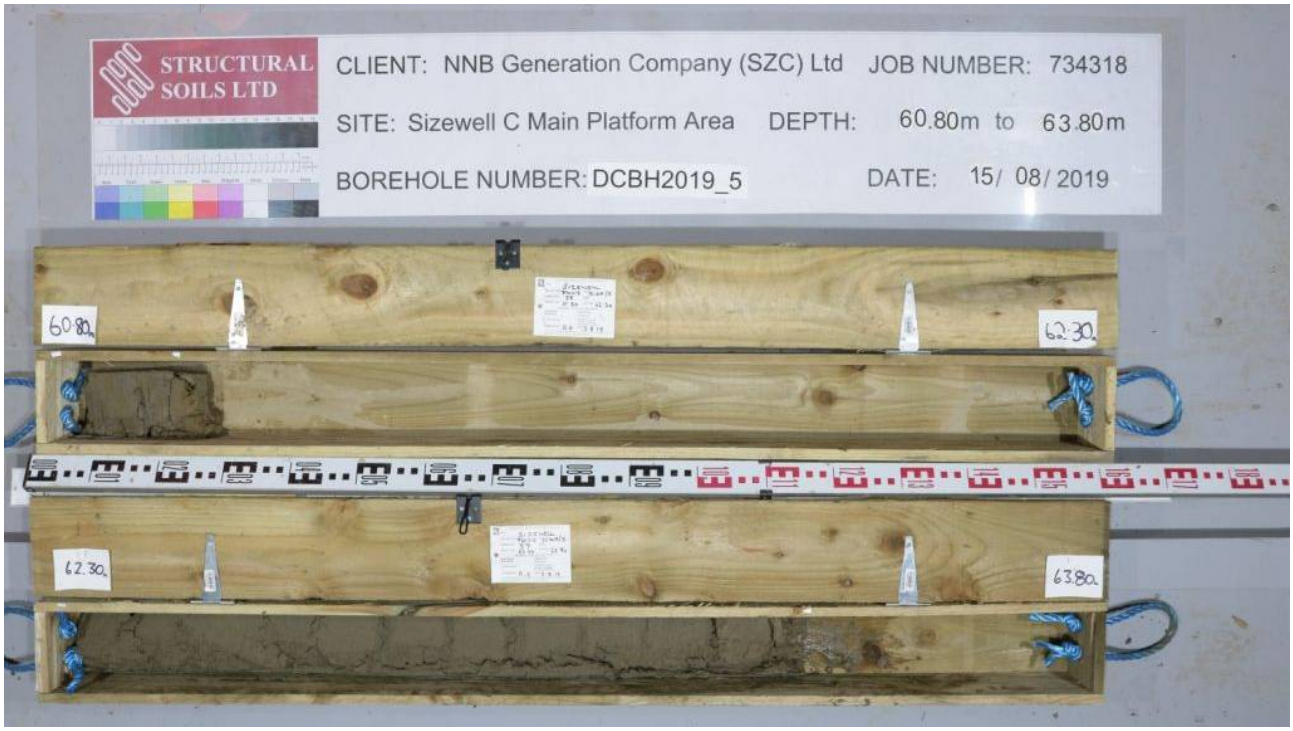
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 60.80m - 63.80m depth.





DCBH2019_5 60.80m - 63.80m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
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DCBH2019_5 63.80m - 66.80m depth.





DCBH2019_5 63.80m - 66.80m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 66.80m - 68.77m depth.





DCBH2019_5 66.80m - 68.77m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:38 | ST9 |

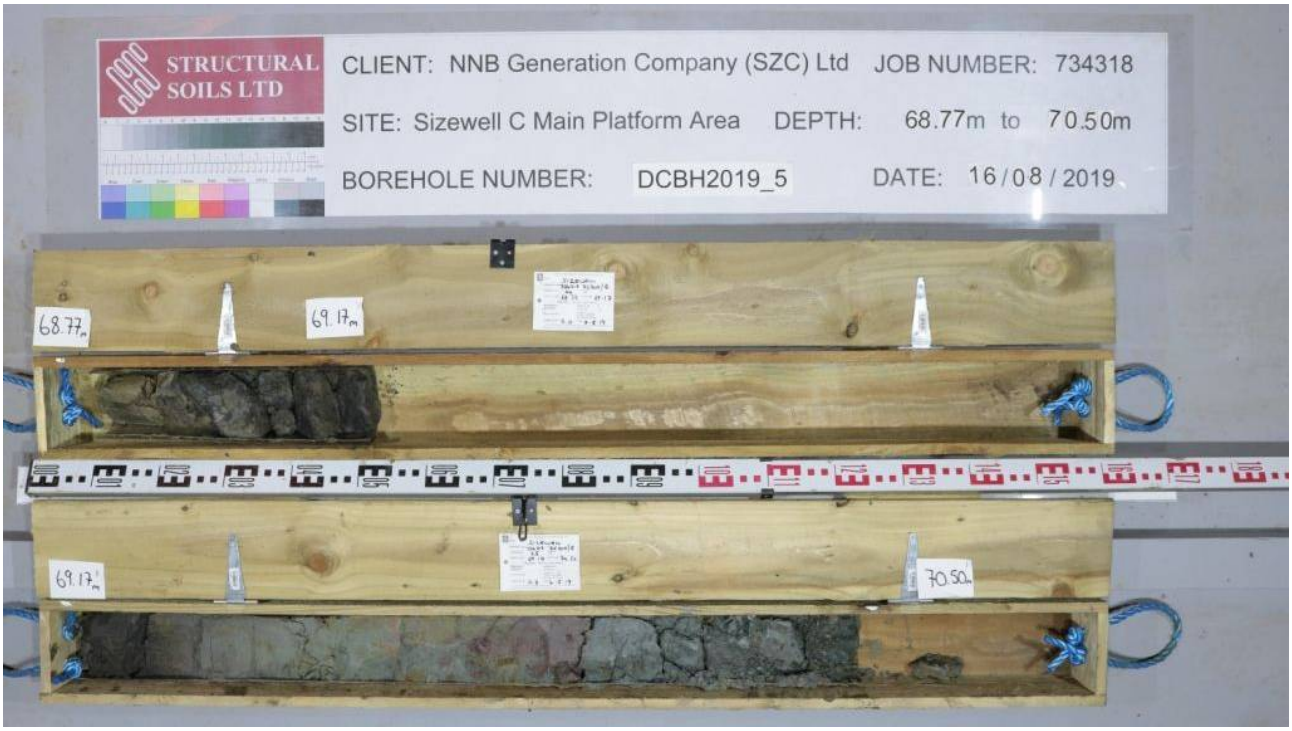
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 68.77m - 70.50m depth.





DCBH2019_5 68.77m - 70.50m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_5 70.50m - 73.50m depth.





DCBH2019_5 70.50m - 73.50m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:38 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**47** of **53**

DCBH2019_5 73.50m - 76.50m depth.





DCBH2019_5 73.50m - 76.50m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:38 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**48** of **53**

DCBH2019_5 76.50m - 79.50m depth.



Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:38 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**49** of **53**



DCBH2019_5 76.50m - 79.50m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:38 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**50** of **53**

DCBH2019_5 79.50m - 82.50m depth. (Split)





DCBH2019_5 82.50m - 85.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:38 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**51** of **53**

DCBH2019_5 85.50m - 88.50m depth.





DCBH2019_5 88.50m - 91.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

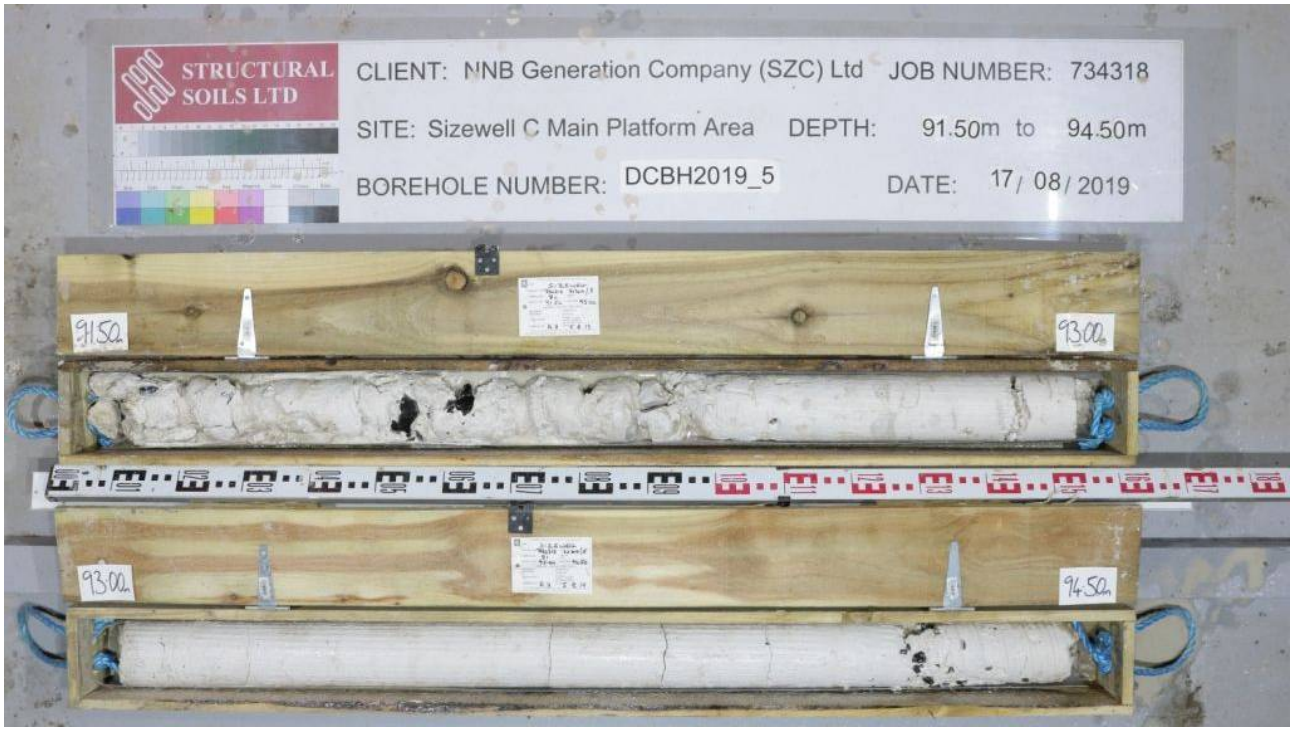
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:38 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**52** of **53**

DCBH2019_5 91.50m - 94.50m depth.





DCBH2019_5 94.50m - 96.20m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

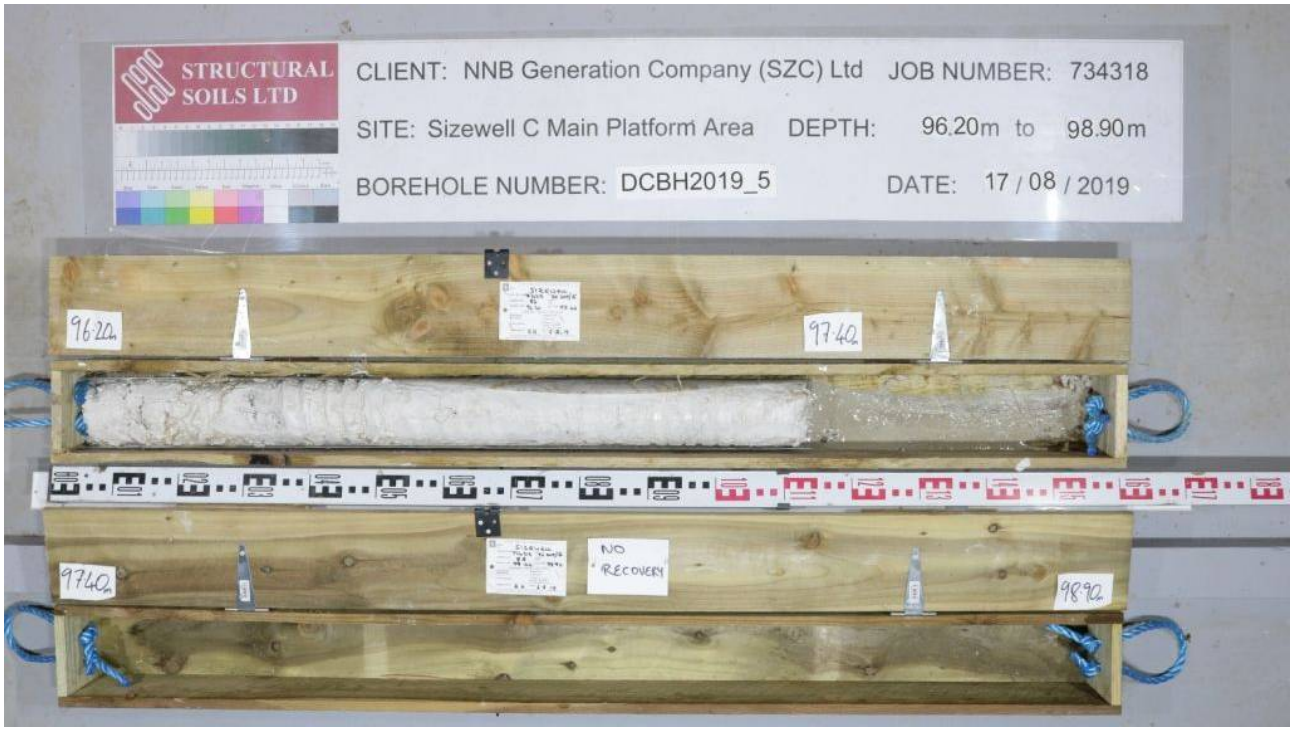
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:39 | ST9 |

STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**53** of **53**

DCBH2019_5 96.20m - 98.90m depth.





DCBH2019_5 98.90m - 100.30m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/07/20 - 09:39 | ST9 |

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	82.63	BF	8	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
2	82.79	J	12	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
3	82.86	BF	2	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
4	83.09	BF	5	U-R	-	-	-	Rare black specks. Light	BEECK	CHALK
								staining. No infill.		
5	83.24	J	15	U-R	-	-	-	Rare black specks. Light	BEECK	CHALK
								staining. No infill.		
6	83.40	J	17	P-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
7	83.47	BF	3	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
8	84.00-84.16	J	74	U-R	-	-	-	Rare black specks. No	AZCL	
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

STRUCTURAL SOILS
The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 1 of 7

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
9	84.10-84.13	J	22	P-R	-	-	-	Rare black specks. Light	BEECK	CHALK
								staining. No infill.		
10	84.38	BF	3	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
11	84.46	BF	4	U-R	-	-	-	Occasional black specks. No	BEECK	CHALK
								staining. No infill.		
12	84.54	PFR	9	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
13	84.64	J	31	P-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
14	84.91	BF	9	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
15	85.03	BF	4	U-R	-	-	-	Rare black specks. No	WBCK_CS	CHALK
								staining. No infill.		
16	85.23	BF	19	U-R	-	-	-	Rare black specks. No	WBCK_CS	CHALK
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

STRUCTURAL SOILS
The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 2 of 7

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
17	85.32-85.36	J	34	U-R	-	-	-	Rare black specks. No	WBCK_CS	CHALK
								staining. No infill.		
18	85.46	J	11	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
19	85.76	BF	4	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
20	85.86	BF	7	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
21	86.04	BF	8	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
22	86.30	BF	7	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
23	86.38	BF	5	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
24	86.44-86.48	J	32	S-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
25	86.75	BF	5	P-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
26	86.92	BF	5	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
27	89.00-89.02	J	14	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
28	89.47	BF	5	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
29	89.93	BF	3	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
30	90.13	J	12	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
31	90.35	J	13	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
32	91.09	J	13	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
33	92.34	BF	8	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
34	92.34-92.42	J	88	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
35	92.38-92.43	J	42	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
36	92.75	BF	9	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
37	92.90	BF	8	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
38	93.07-93.10	J	13	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
39	93.23	BF	4	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
40	93.69	BF	3	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
41	93.86	BF	6	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
42	94.02	BF	5	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
43	94.20	J	10	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
44	94.59	J	21	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
45	94.80	BF	3	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
46	94.89	BF	4	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
47	94.90	BF	2	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
48	95.08	J	15	S-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
49	96.43	BF	7	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
50	96.70	BF	3	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
51	97.00	BF	4	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

Appendix F – Ground Investigation Factual Reports

On-shore Phase 2 Ground Investigation for Sizewell Site 2019

CONTINUED

STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**1** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
														0	
0.10	1	B									MADE GROUND: Brown gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of granite. (MADE GROUND)		1.53	0.10	
0.10	2	D													
0.10	3	ES													
0.10-0.30	4	B									MADE GROUND: Orangish brown slightly gravelly slightly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)			(0.60)	
0.30	5	D													
0.30	6	ES													
0.30-0.70	7	B											0.93	1 0.70	
0.50	8	D													
0.50	9	ES													
0.70	10	B									MADE GROUND: Dark orangish brown mottled dark grey slightly gravelly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)			(0.50)	
0.90	11	D												1	
1.00	12	ES											0.43	1.20	
1.20-2.20				30	0	0		80% Polymer-Mud (Brown)			Partial recovery (30%). Recovered as MADE GROUND: Blackish green slightly gravelly fine to medium micaceous SAND with occasional to frequent coarse sand to fine gravel sized comminuted shells. Gravel is subangular to surrounded fine to coarse flint. Colour oxidises to dark yellowish brown. (PARTIAL RECOVERY)		0	(1.00)	
														2	
2.20-3.20				80	0	0		80% Polymer-Mud (Brown)			MADE GROUND: Blackish green slightly gravelly fine to medium micaceous SAND with occasional to frequent coarse sand to fine gravel sized comminuted shells. Gravel is subangular to surrounded fine to coarse flint. Colour oxidises to dark yellowish brown. (MADE GROUND)		-0.57	2.20 (0.80)	
													-1		
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-1.37	3.00	AZCL
3.20-4.20													-1.57	3.20	
3.30	5	ES	1xT+2xJ+1xV								Partial recovery (40%). Recovered as MADE GROUND: Blackish green slightly gravelly fine to medium micaceous SAND with occasional to frequent coarse sand to fine gravel sized comminuted shells. Gravel is subangular to surrounded fine to coarse flint. Colour oxidises to dark yellowish brown. (PARTIAL RECOVERY)				
3.30	WAC4	ES	1xT, 1xJ, 1xV	40	0	0		80% Polymer-Mud (Brown)					-2	(1.00)	
														4	
4.20-4.90				53	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-2.57	4.20 (0.33)	AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
17/07/19		0.00	None	N/R	-
17/07/19		1.20	None	400	-
17/07/19		1.20	None	400	-
17/07/19		1.20	1.00	146	-
17/07/19		1.20	1.00	146	-
19/07/19		1.20	1.00	146	-
19/07/19		11.90	None	146	1.00
20/07/19		11.90	1.00	146	1.50

General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Hand dug inspection pit to 1.20m depth.
4. Slight seepage at 1.00m depth.
5. Borehole installed with 50mm slotted pipe. GL to 4.20m depth plain pipe, 4.20m to 10.00m depth slotted pipe.

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**2** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
								80% Polymer-Mud (Brown)					-2.90	4.53	AZCL
4.62	6	ES	1xT+2xJ+1xV	53	0	0					Spongy black pseudo-fibrous PEAT with occasional relict rootlets up to 3mm. (SUPERFICIAL DEPOSITS - PEAT)		-2.99	4.62	
4.62	WAC5	ES	1xT, 1xJ, 1xV								Very soft dark bluish grey CLAY with occasional relict rootlets up to 25mm, occasional pockets of peat up to 1 x 2mm and rare lenses of fine to medium yellowish brown sand up to 4 x 3mm. (SUPERFICIAL DEPOSITS - CLAY)		-3	(0.28)	
4.90-6.40				0	0	0		0% Polymer-Mud			. . . 4.84-4.90m: thin band of very soft blackish brown slightly gravelly clay with frequent pockets of amorphous peat up to 12 x 30mm and frequent lenses of fine to medium yellowish brown sand up to 4 x 70mm. Occasional fine gravel sized comminuted shells. Gravel is subangular to subrounded fine to medium gravel of iron concretion.		-3.27	4.90	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-4	5 (1.50) 6	AZCL
6.40-7.15				0	0	0		0% Polymer-Mud			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-4.77	6.40	
													-5	(0.75) 7	AZCL
7.15-7.90				0	0	0		0% Polymer-Mud			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-5.52	7.15	
													-6	(0.75)	AZCL
7.90-8.50				0	0	0		0% Polymer-Mud			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-6.27	7.90	
														8 (0.60)	AZCL
8.50-10.00				33	0	0					Partial recovery (33%). Recovered as very soft dark grey CLAY with occasional relict rootlets up to 25mm, occasional pockets of peat up to 20 x 25mm and occasional fine gravel sized comminuted shells. (SUPERFICIAL DEPOSITS - CLAY). The clay is		-6.87	8.50	
8.78	7	ES	1xT+2xJ+1xV										-7		PR / AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
20/07/19		14.80	11.90	146	-
21/07/19		14.80	11.90	146	1.50
21/07/19		22.90	11.90	146	0.30
23/07/19		22.90	11.90	146	1.10
23/07/19		23.50	11.90	146	-
24/07/19		23.50	11.90	146	-
25/07/19		23.50	11.90	146	-
30/07/19		23.50	11.90	146	0.40

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**3** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				33	0	0		0% Polymer-Mud			underlain by spongy black pseudo-fibrous PEAT with occasional relict rootlets up to 5mm and occasional fine gravel sized comminuted shells. (SUPERFICIAL DEPOSITS - CLAY)		-8	9 (1.50)	PR/ AZCL
10.00-10.55				27	0	0		0% Polymer-Mud			Partial recovery (27%). Recovered as grey micaceous fine to medium SAND with rare pockets of peat up to 70 x 70mm. (SUPERFICIAL DEPOSITS - SAND)		-8.37 -8.92	10.00 10 (0.55) 10.55	PR/ AZCL
10.55-10.90				0	0	0		0% Polymer-Mud			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-9	(0.35)	AZCL
10.90-11.50													-9.27	10.90	
								0% Polymer-Mud			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-9.52	11 (0.35) 11.15	AZCL
11.15	WAC6	ES	1xT, 1xJ, 1xV	58	0	0		0% Polymer-Mud			Spongy black pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)		-9.87	11.50	
11.50-11.90				37	0	0		0% Polymer-Mud			Partial recovery (37%). Recovered as grey silty fine to medium SAND with occasional coarse sand sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-10	(0.40)	PR/ AZCL
11.90-12.60				0	0	0		100% Polymer-Mud (Brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-10.27 -10.97	11.90 12 (0.70) 12.60	AZCL
12.60-13.35				0	0	0		100% Polymer-Mud (Brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-11	(0.75)	AZCL
													-11.72	13 13.35	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
30/07/19		24.50	22.40	146	1.05
31/07/19		24.50	22.40	146	-
31/07/19		36.50	35.00	146	-
01/08/19		36.50	22.40	146	1.30
01/08/19		46.70	44.00	146	0.10
02/08/19		46.70	44.00	146	0.10
02/08/19		58.00	44.00	146	0.30
03/08/19		58.00	44.00	146	1.10

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**4** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
13.35-14.10				11	0	0		100% Polymer-Mud (Brown)			Minimal recovery (11%). Recovered as dark grey micaceous fine to medium SAND with occasional coarse sand to fine gravel size comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-12	(0.75)	MR / AZCL
				11	0	0							-12.47	14.10	
14.10-14.80				29	0	0		100% Polymer-Mud (Brown)			Partial recovery (29%). Recovered as dark grey micaceous fine to medium SAND with occasional coarse sand to fine gravel size comminuted shells and rare well rounded fine gravel of quartz. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-13	(0.70)	PR / AZCL
													-13.17	14.80	
14.80-15.60											Partial recovery (29%). Recovered as dark grey micaceous fine to medium SAND with occasional coarse sand to fine gravel size comminuted shells. 40mm from base layer of grey micaceous silt. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))				
14.80	8	ES	1xT+2xJ+1xV	29	0	0		95% Polymer-Mud (Grey/Brown)						15	
														(0.80)	PR / AZCL
													-13.97	15.60	
15.60-16.05											Not logged zone with sampling. Geotechnical sample (C1). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-14		
15.60-16.00	1	C		89	0	0		95% Polymer-Mud (Grey/Brown)						(0.45)	NLZS
											. . . 16.00-16.05:Assumed zone of core loss.		-14.42	16.05	
16.05-16.95											Dark grey micaceous fine to medium SAND with occasional coarse sand to fine gravel size comminuted shells. 40mm from base layer of grey micaceous silt. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-14.67	16.30	
16.30-16.85	2	C		89	0	0		95% Polymer-Mud (Grey/Brown)			Not logged zone with sampling. Geotechnical sample (C2). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-15	(0.65)	NLZS
											. . . 16.85-16.95m: Assumed zone of core loss..		-15.32	16.95	
16.95-17.50											Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells (RED CRAG FORMATION (UNDIFFERENTIATED))		-15.37	17.00	
17.00-17.50	3	C		100	0	0		95% Polymer-Mud (Grey/Brown)			Not logged zone with sampling. Geotechnical sample (C3). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.50)	NLZS
													-15.87	17.50	
17.50-19.00											Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells (RED CRAG FORMATION (UNDIFFERENTIATED))		-16		
17.50	WAC7	ES	1xT, 1xJ, 1xV	72	0	0								(0.39)	
													-16.26	17.89	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
03/08/19		68.77	44.00	146	0.20
04/08/19		68.77	44.00	146	1.20
04/08/19		82.50	None	146	Dry
05/08/19		82.50	44.00	146	1.20
05/08/19		97.40	44.00	146	0.90
06/08/19		97.40	44.00	146	0.40
06/08/19		100.30	44.00	146	0.40
07/08/19		62.50	44.00	146	3.10

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**5** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
											Grey fine to medium SAND with occasional coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-16.40	18.03	
18.03-18.58	4	C		72	0	0		95% Polymer-Mud (Grey/Brown)			Not logged zone with sampling. Geotechnical sample (C4). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-16.95	(0.55) 18.58	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-17.37	(0.42) 19.00	AZCL
19.00-20.00				10	0	0		95% Polymer-Mud (Grey/Brown)			Minimal recovery (10%). Recovered as grey fine to medium micaceous SAND with few coarse sand to small gravel sized comminuted shells. Rare fine gravel sized iron concretions. (RED CRAG FORMATION (UNDIFFERENTIATED))		-18.37	(1.00) 20.00	MR/ AZCL
20.00-20.50				40	0	0		95% Polymer-Mud (Grey/Brown)			Partial recovery (40%). Recovered as grey fine to medium micaceous SAND with few coarse sand to small gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-18.87	(0.50) 20.50	PR/ AZCL
20.50-21.10															
20.50-21.10	5	C		100	0	0		95% Polymer-Mud (Grey/Brown)			Not logged zone with sampling. Geotechnical sample (C5). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-19.47	(0.60) 21.10	NLZS
21.10-22.00															
21.10-21.55	6	C		50	0	0		95% Polymer-Mud (Grey/Brown)			Not logged zone with sampling. Geotechnical samplee (C6). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-19.92	(0.45) 21.55	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				
22.00-22.90				0	0	0					. . . 22.00-22.90m: CRF/AZCL (450mm dropped; 200mm CRF).			(1.35) 22.90	AZCL / CRF

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
07/08/19			20.00	146	0.10
08/08/19	08:20		20.00	146	1.80

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**6** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				0	0	0		95% Polymer-Mud (Grey/Brown)					-21		CRF/ AZCL
22.90-23.50													-21.27	22.90	
22.95-23.50	7	C		133	0	0		80% Polymer-Mud (Brown)			Grey fine to medium micaceous SAND with few coarse sand to small gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) Not logged zone with sampling. Geotechnical sample (C7). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-21.32	22.95 (0.55)	NLZS
23.50-24.00				0	0	0		85% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-21.87 -22	23.50 (0.50)	AZCL
24.00-24.50				40	0	0		85% Polymer-Mud (Grey)			Partial recovery (40%). Recovered as grey fine to medium micaceous SAND with few coarse sand to small gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-22.37	24.00 (0.50)	PR/ AZCL
24.50-25.00				0	0	0		85% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-22.87 -23	24.50 (0.50)	AZCL
25.00-25.50				60	0	0		85% Polymer-Mud (Grey)			Grey fine to medium SAND with abundant comminuted shells and extremely closely to widely spaced thin to thick laminae of grey micaceous silty clay. (RED CRAG FORMATION (UNDIFFERENTIATED)) Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-23.37	25.00 (0.30)	
25.50-26.00				0	0	0		85% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-23.67 -23.87 -24	25.30 25.50 (0.50)	AZCL
26.00-26.75													-24.37	26.00	
26.00-26.35	8	C		47	0	0		85% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C8). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-24.72	26.35 (0.35)	NLZS
26.75-27.50				40	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS) Partial recovery (40%). Recovered as grey fine to coarse micaceous SAND with abundant comminuted		-25 -25.12	26.75 (0.40)	AZCL PR/ AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted] IS

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**7** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				40	0	0		85% Polymer-Mud (Grey)			shells. (RED CRAG FORMATION (UNDIFFERENTIATED))			27 (0.75)	PR/ AZCL
27.50-28.25				60	0	0		85% Polymer-Mud (Grey)			Grey fine to coarse micaceous SAND with abundant comminuted shell fragments and a thin bed of grey micaceous silty clay. (RED CRAG FORMATION (UNDIFFERENTIATED))		-25.87 -26 -26.32	27.50 (0.45) 27.95	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-26.62	28 (0.30) 28.25	AZCL
28.25-29.00				100	0	0		85% Polymer-Mud (Grey)			Grey fine to coarse micaceous SAND with abundant comminuted shell fragments and a thin bed of grey micaceous silty clay. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 28.41-28.43m: extremely closely spaced thinly to thickly laminated grey micaceous silty clay. . . . 28.83m: thin laminae of grey micaceous silty CLAY. . . . 28.88m: thin laminae grey micaceous silty CLAY.		-27		
29.00-30.50				100	0	0		85% Polymer-Mud (Grey)			. . . 29.59-29.78m: thin bed of locally thickly laminated grey micaceous firm silty CLAY.		-28	29 (1.70)	
29.95-30.50	9	C									. . . 29.93-29.95m: very thin bed grey micaceous silty CLAY. Not logged zone with sampling. Geotechnical sample(C9). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-28.32 -28.87	29.95 30 (0.55) 30.50	NLZS
30.50-32.00 30.50	9	ES	1xT+2xJ+1xV	100	0	0		85% Polymer-Mud (Grey)			Grey fine to coarse micaceous SAND with abundant comminuted shell fragments and a thin bed of grey micaceous silty clay. (RED CRAG FORMATION (UNDIFFERENTIATED))		-29	31	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**8** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
32.00-33.50				100	0	0		85% Polymer-Mud (Grey)					-30	(2.21) 32	
				100	0	0					Grey fine to medium SAND with occasional comminuted shells and extremely closely to very closely spaced thin laminae of slightly glauconitic micaceous fine sandy clay. (RED CRAG FORMATION (UNDIFFERENTIATED))		-31 / -31.08	32.71	
														(0.58) 33	
											Grey fine to coarse SAND with abundant comminuted shells (RED CRAG FORMATION (UNDIFFERENTIATED))		-31.66	33.29	
33.50-35.00				100	0	0							-32	(1.16) 34	
34.45-35.00	10	C									Not logged zone with sampling. Geotechnical sample (C10). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-32.82	34.45	
													-33	(0.55)	NLZS
35.00-36.50				100	0	0		85% Polymer-Mud (Grey)			Grey fine to coarse SAND with abundant comminuted shells (RED CRAG FORMATION (UNDIFFERENTIATED))		-33.37	35.00	
														(0.38) 35	
											Grey fine to medium SAND with occasional comminuted shells (RED CRAG FORMATION (UNDIFFERENTIATED))		-33.75	35.38	
													-34		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19** End: **08.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**1.63**	**E:647335.9 N:264113.0**	**9** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
36.50-38.00				100	0	0		85% Polymer-Mud (Grey)					-35	36 (3.03) 37	
36.50	10	ES	1xT+2xJ+1xV												
				100	0	0							-36		
38.00-39.50														38	
													-36.78	38.41	
											Grey fine to medium SAND with frequent comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-37	(0.54)	
				100	0	0		85% Polymer-Mud (Grey)					-37.32	38.95	
38.95-39.50	11	C									Not logged zone with sampling. Geotechnical sample (C11). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			39 (0.55)	NLZS
													-37.87	39.50	
39.50-41.00											Grey fine to medium SAND with occasional comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-38		
				97	0	0		85% Polymer-Mud (Grey)						(0.93) 40	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**10** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
											Grey fine to medium SAND with occasional comminuted shells and shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		38.80	40.43	
				97	0	0							-39		
											. . . 40.81-40.89m: very thin bed of comminuted shells.			(0.90)	
41.00-42.50											. . . 40.84-41.00m: thinly to thickly bedded grey mudstone recovered as angular to subangular fine to coarse gravel.			41	
													39.70	41.33	
41.38-41.85	12	C						85% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C12). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-40	(0.55)	NLZS
				57	0	0							40.25	41.88	
											Assume zone of core loss. (ASSUMED ZONE OF CORE LOSS)			42	
														(0.62)	AZCL
													40.87	42.50	
42.50-44.00											Grey fine to medium SAND with occasional comminuted shells and shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-41		
				100	0	0								43	
43.45-44.00	13	C												(1.77)	
													-42		
44.00-44.70														44	
				100	0	0							42.64	44.27	
											. . . 44.25-44.27m: black rounded medium gravel of flint.				
44.50	11	ES	1xT+10xJ+1xV								Very stiff extremely closely to very closely fissured greyish brown micaceous CLAY with extremely closely to widely spaced thinly laminated to thinly bedded extremely weak to medium strong dark bluish grey to dark grey volcaniclastic siltstone/claystone. Fissures are randomly orientated planar rough or smooth.		-43		
44.70-45.50				81	0	0									

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleId**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**11** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				81	0	0		85% Water (Grey)			(HARWICH FORMATION, WRABNESS MEMBER) . . . 44.64-44.65m: lens of fine to coarse sand. . . . 44.65-44.67m: significant debris. . . . 44.70-44.98m: backfill. . . . 45.35-45.50m: Assumed zone of core loss.			45	
45.50-47.00				100	0	0		85% Water (Grey)			. . . 45.50-45.58m: thin bed of medium strong dark bluish grey volcaniclastic siltstone/claystone. . . . 45.68-45.71m: very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. Top 3mm bioturbated with light grey burrows up to 1x2mm. . . . 45.78-45.80m: thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. Top 4mm bioturbated with light grey burrows up to 1x2mm. . . . 46.49m:.thick laminae of extremely weak dark grey volcaniclastic siltstone/claystone. Bioturbated with light grey burrows up to 1x2mm.		-44 -45	(2.43) 46 45.07 46.70	
46.70-47.00	14	C									Not logged zone with sampling. Geotechnical sample (C14). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.30)	NLZS
47.00-48.50				100	0	0		85% Water (Grey)			Very stiff extremely closely to very closely fissured greyish brown micaceous CLAY with extremely closely to widely spaced thinly laminated to thinly bedded extremely weak to medium strong dark bluish grey to dark grey volcaniclastic siltstone/claystone. Fissures are randomly orientated planar rough or smooth. (HARWICH FORMATION, WRABNESS MEMBER) . . . 47.78-47.88m: extremely close to very closely spaced thinly to thickly laminated dark greenish grey volcaniclastic siltstone/claystone. Top 5mm bioturbated with light grey burrows up to 1 x 2mm. . . . 47.93-48.07m: thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. Top 40mm bioturbated with light grey burrows up to 1x5mm. . . . 48.12-47.15m: very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 47.30-47.40m: extremely close to very closely spaced thinly laminated dark greenish grey volcaniclastic siltstone/ claystone. . . . 48.47-48.50m: very thin bed of volcaniclastic siltstone/ claystone.		-46 -47	47 48 (2.54)	
48.50-49.60				99	0	0		85% Water (Grey)			. . . 48.75-48.77m: thick laminae of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 48.78-48.79m:.thick laminae of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 48.88-48.94m:.very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 49.12-49.17m:.very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone.			49	
49.17-49.54	15	C													

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19** End: **08.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**1.63**	**E:647335.9 N:264113.0**	**12** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				99	0	0							-47.91	49.54	
49.60-51.10											Very strong dark grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-48 -48.06	49.69	
				100	0	0		85% Water (Grey)			Very stiff extremely closely to very closely fissured greyish brown micaceous CLAY. Fissures are randomly orientated planar rough or smooth. (HARWICH FORMATION, WRABNESS MEMBER) . . . 49.79-49.84m:.very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 50.07-50.12m:.very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. Bottom 4mm bioturbated with light grey burrows up to 1x2mm. . . . 50.22-50.34m:.thin bed of extremely weak dark grey volcaniclastic siltstone/claystone. . . . 50.49-50. 51m:.thick laminae of extremely weak dark grey volcaniclastic siltstone/claystone. Top 3mm bioturbated with light grey burrows up to 1x2mm. . . . 50.66-50.69m:.very thin bed of extremely weak dark grey volcaniclastic siltstone/claystone.		-49	50 (1.41)	
51.10-52.40													-49.47	51 51.10	
51.52-51.83	16	C		100	0	0		85% Water (Grey)			Stiff to very stiff extremely closely to very closely fissured greyish brown bioturbated micaceous SILT with very closely to medium spaced partings of light grey silty fine sand. Fissures are randomly orientated planar rough or smooth. Burrows are subhorizontal up to 3 x 15mm infilled with light grey fine sand. (HARWICH FORMATION, ORWELL MEMBER) . . . 51.18m: subhorizontal burrow 1x6mm. . . . 51.34-51.38m: very thin bed of extremely weak dark grey volcaniclastic siltstone/ claystone. Top 4mm bioturbated with light grey burrows up to 1x2mm. <1mm light grey silt laminae at top. . . . 51.84m: grey micaceous silt parting.		-50	52	
52.40-53.50				82	0	0		85% Water (Grey)			. . . 52.68m: subhorizontal burrow 4x 15mm infilled with dark grey silt. . . . 52.99m: subhorizontal burrow 4x 15mm infilled with dark grey silt. . . . 53.31-53.50m: Assumed zone of core loss..		-51	53 (4.26)	
53.50-55.00				90	0	0					. . . 53.72m: light grey micaceous silt parting.		-52		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19** End: **08.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**1.63**	**E:647335.9 N:264113.0**	**13** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
54.47-54.83	17	C		90	0	0		85% Water (Grey)			. . . 52.95m: subhorizontal burrow 2x 12mm infilled with grey silt. . . . 54.12m: light grey slightly sandy silt parting . . . 54.30m: light grey slightly sandy silt parting		-53	54	
55.00-56.50				100	0	0		85% Water (Grey)			. . . 54.85-55.00m: Assumed zone of core loss. . . . 55.11m: light grey slightly sandy silt parting . . . 55.27m: light grey slightly sandy silt parting		-53.73	55 55.36	
											Stiff to very stiff greyish brown bioturbated micaceous SILT with closely to medium spaced laminations of light grey silt and subhorizontal burrows up to 4 x 22mm infilled with light grey silt. (HARWICH FORMATION, ORWELL MEMBER) . . . 55.50-55.55m: non intact recovered as clayey gravel. Gravel is subangular medium pyrite		-53.97	55.60	
											Very stiff extremely to very closely fissured greyish brown bioturbated micaceous CLAY. Fissures are randomly orientated planar rough or smooth. Burrows are subvertical and subhorizontal up to 2 x 9mm infilled with light grey silt. (HARWICH FORMATION, ORWELL MEMBER)		-54 -54.55	(0.58) 56 56.18	
56.50-58.00				100	0	0		85% Water (Grey)			Very stiff extremely to very closely fissured greyish brown bioturbated micaceous CLAY. Fissures are randomly orientated planar rough or smooth. Burrows are subvertical and subhorizontal up to 2 x 7mm infilled with light grey silt. (HARWICH FORMATION, ORWELL MEMBER) . . . 56.25m: light grey slightly sandy silt parting. . . . 56.31m: light grey slightly sandy silt parting. . . . 56.42m: light grey slightly sandy silt parting.		-55 -55.10	(0.55) 56.73	
											Stiff to very stiff greyish brown bioturbated micaceous SILT with closely to medium spaced thin laminae of light grey silt. (HARWICH FORMATION, ORWELL MEMBER) . . . 57.00m: thick lamination of dark grey silty fine sand. . . . 57.22-57.28m: very thin bed of dark grey silty fine sand.		-55.80	57 (0.70) 57.43	
58.00-59.30				96	0	0		85% Water (Grey)			Firm to stiff light brown slightly sandy bioturbated calcareous slightly micaceous SILT. Burrows are randomly orientated up to 2 x 11mm infilled with brown fine sand. (READING FORMATION)		-56 -56.59	(0.79) 58 58.22	
											Firm brown slightly sandy bioturbated calcareous slightly micaceous SILT.				

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted] IS

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**14** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
											(READING FORMATION)		-57	59	
59.30-60.80				96	0	0		85% Water (Grey)						(2.34)	
59.50-59.80	18	C											-58		
				100	0	0		85% Water (Grey)						60	
													-58.93	60.56	
											Firm to stiff thinly to thickly laminated greyish brown micaceous SILT interbedded with extremely close to very closely spaced firm brown slightly sandy bioturbated calcareous slightly micaceous SILT. (READING FORMATION)		-59		
60.80-62.30													-59.17	60.80	
											Minimal recovery (13%). Recovered as firm to stiff thinly to thickly laminated greyish brown micaceous SILT interbedded with extremely close to very closely spaced firm brown slightly sandy bioturbated calcareous slightly micaceous SILT. (READING FORMATION)			61	
				13	0	0		85% Water (Brown)					-60	(1.50)	MR / AZCL
														62	
62.30-63.80													-60.67	62.30	
											Greyish brown calcareous micaceous fine to medium SAND with occasional shell fragments and rare subangular fine gravel of cemented sand. (READING FORMATION)				
				77	0	0		85% Water (Brown)					-61	(1.18)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**15** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				77	0	0		85% Water (Brown)			. . . 63.31-63.42m: thin bed of greyish brown silty sand.			63	
													-61.85	63.48	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-62	(0.32)	AZCL
63.80-65.30													-62.17	63.80	
											Greyish brown calcareous micaceous fine to medium SAND with occasional shell fragments and rare subangular fine gravel of cemented sand. (READING FORMATION)			(0.41)	
													-62.58	64.21	
				80	0	0		85% Polymer-Mud (Brown)			Brownish grey calcareous micaceous fine to medium SAND with frequent shell fragments and occasional subangular fine to medium gravel of cemented sand and extremely close to medium spaced partings of black silty sand. (READING FORMATION) . . . 64.50m: gravel of subangular fine cemented sand. . . . 64.75m: gravel of subangular fine cemented sand. . . . 64.81m: gravel of subangular fine cemented sand.		-63	(0.76)	
64.90-65.30	19	C											-63.34	64.97	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-63.67	(0.33)	AZCL
65.30-66.80														65.30	
				100	0	0		85% Water (Brown)			Brownish grey calcareous micaceous fine to medium SAND with frequent shell fragments and occasional subangular fine to medium gravel of cemented sand and extremely close to medium spaced partings of black silty sand. (READING FORMATION) . . . 65.62m: gravel of subangular fine cemented sand. . . . 65.70m: gravel of subangular medium cemented sand.		-64	(1.16)	
											. . . 66.34-66.46m: thin bed of dark grey silty calcareous micaceous fine to medium SAND		-64.83	66.46	
											Very stiff dark grey mottled black and orangish brown slightly sandy bioturbated slightly calcareous micaceous silty CLAY . Burrows are subhorizontal and subvertical up to 7mm by 62mm infilled with. (READING FORMATION) . . . 66.80-67.05m: possible caved in material.		-65		
66.80-67.65														67	
				100	0	0		85% Water (Brown)			. . . 67.07m: lignitic debris.				

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**16** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
67.65-68.77				100	0	0		85% Water (Brown)			. . . 67.62-67.64 m: subangular fine gravel of greyish brown claystone nodules (?) . . . 67.75-67.82m: possible caved in material.		-66	(2.90)	
68.00-68.30	20	C									. . . 67.96-68.10m: extremely weak fine to medium gravel of light brown siltstone/claystone fragments.			68	
				100	0	0							-67		
68.77-69.71								80% Polymer-Mud (Grey)						69	
				100	0	0		60% Polymer-Mud (Grey)					-67.73	69.36	
											Very stiff greyish green mottled orangish brown micaceous clayey SILT. (UPNOR FORMATION)			(0.28)	
69.71-70.50											Very stiff greyish green mottled pinkish red micaceous clayey SILT. (UPNOR FORMATION)		-68.01	69.64	
				100	0	0								(0.34)	
											Very stiff greyish green mottled orangish brown micaceous clayey SILT. (UPNOR FORMATION)		-68.35	69.98	
70.50-72.00											. . . 70.53-70.60m: mottled pinkish red. . . . 70.71m: parting of light grey fine sand.			70 (0.84)	
				97	0	0		80% Polymer-Mud (Grey)					-69		
											Very stiff locally laminated greyish green micaceous clayey SILT with extremely close to very closely spaced partings of light grey silty fine micaceous sand. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 70.90-71.12m: locally laminated.		-69.19	70.82	
														71 (0.58)	
											Very stiff very closely to closely spaced fissured dark grey slightly bioturbated slighty micaceous glauconitic silty CLAY with occasional non calcareous agglutinant. Fissures are randomly orientated planar rough or smooth or striated. Burrows are subhorizontal and subvertical up to 3 x 17mm infilled with grey silt.		-69.77	71.40	
													-70		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**17** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
72.00-73.50				97	0	0		80% Polymer-Mud (Grey)			(LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 71.89-72.00m: striated fissure. (47 degrees)			72	
72.42-72.61	21	C		100	0	0							-71		
											. . . 72.92-73.19m: dark greyish brown.			73	
														(3.96)	
73.50-75.00				97	0	0		80% Polymer-Mud (Grey)					-72	74	
													-73		
75.00-76.50				90	0	0		80% Polymer-Mud (Grey)					-73.73	75	
											Very stiff extremely closely to very closely fissured dark grey slightly bioturbated slighty micaceous glauconitic SILT with occasional non calcareous agglutinant. Fissures are randomly orientated planar rough or smooth. Burrows are subhorizontal and subvertical up to 7 x 74mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)			75.36	
													-74		
														76	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**18** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
76.50-78.00				90	0	0		80% Polymer-Mud (Grey)			. . . 76.40-76.50m: Assumed zone of core loss.		-75	(2.64)	
				100	0	0							-76	77	
78.00-79.50				100	0	0					Very stiff fissured dark grey slightly bioturbated slighty micaceous calcareous glauconitic SILT with occasional calcareous agglutinant. Burrows are subhorizontal and subvertical up to 4 x 23mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 78.00-78.34m: clayey SILT.		-76.37	78.00	
79.50-79.58				100	0	0							-77	79	
79.58-81.00				100	0	0							-78	(2.53)	
													-78.90	80.53	
											Very stiff reddish brown very bioturbated slightly micaceous glauconitic SILT. Burrows are subhorizontal and subvertical infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER,		-79	(0.47)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**19** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	0	0					OC2)		-79.37	81.00	
81.00-82.50 81.00-81.34	22	C									Very stiff fissured reddish brown slightly bioturbated glauconitic micaceous silty CLAY. Fissures are very closely to closely spaced randomly orientated planar rough or smooth. Burrows are subhorizontal and subvertical up to 2 x 11mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)			(0.90)	
				100	15	15		80% Polymer-Mud (Grey)					-80		
													-80.27	81.90	
											Blackish green slightly sandy gravelly glauconitic SILT. Sand is fine coarse. Gravel is subangular to rounded fine to coarse fragments and whole black and brown nodular flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1)			82	
													-80.54	82.17	
82.50-84.00											Very weak medium density closely jointed (NI/196/620) white burrow mottled light grey CHALK. Bedding fractures: 2-9° medium spaced (NI/342/910) undulating rough with rare to occasional black specks, unstained, no infill. Gently inclined joints: 12-22° medium spaced (160/551/810) undulating or planar rough with rare black specks, unstained, no infill. Inclined fractures: 32 and 74° medium spaced with rare black specks, unstained, no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade A3) . . . 82.17-82.27m: non intact. . . . 82.62m: green glauconitic-staining. . . . 83.09-83.24m: non intact. . . . 83.31m: belemnite (12x10mm). . . . 83.60m: medium gravel sized brown phosphatic fragment. . . . 83.63-83.79m: non intact.	1 2 3 4 5 6 7	-81	(1.62)	
				87	65	60		80% Polymer-Mud (Light grey)					-82	83	
													-82.16	83.79	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-82.37	84.00	AZCL
84.00-85.50											Very weak medium density closely jointed (NI/196/620) white burrow mottled light grey CHALK. Bedding fractures: 2-9° medium spaced (NI/342/910) undulating rough with rare to occasional black specks, unstained, no infill. Gently inclined joints: 12-22° medium spaced (160/551/810) undulating or planar rough with rare black specks, unstained, no infill. Inclined fractures: 32 and 74° medium spaced with rare black specks, unstained, no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER) . . . 84.05-84.07m: black-stained sponge bed. . . . 84.18m: full bivalve shell 22 x 11m. . . . 84.27m: medium gravel sized brown phosphatic fragment. . . . 83.31m: belemnite (8 x 21mm).	8 9 10 11 12 13 14 15	-83	(0.91)	
				100	71	51		80% Polymer-Mud (Light grey)					-83.28	84.91	
														85	
											Strong very high density CHALK with local green glauconitic-staining hard ground. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER: CATTON SPONGE Grade A2)	16 17	-83.70	(0.42) 85.33	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**20** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	71	51		80% Polymer-Mud (Light grey)			. . . 84.92m: medium gravel sized brown phosphatic fragment.	18			
85.50-87.00											Very weak medium density medium jointed (NI/405/3300) white burrow mottled light grey CHALK. Bedding fractures: 2-10° widely spaced (10/616/3300) undulating rough with rare black specks, unstained, no infill. Gently inclined: 11-21° widely spaced (220/1539/5220) undulating and stepped rough with rare black specks, unstained, no infill. Inclined: 32-42° very widely spaced (430/3854/7920) undulating or stepped rough with rare black specks, unstained, no infill. Steeply inclined: 88° undulating rough with rare black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade A2)	19	-84		
											. . . 85.50-85.53m: non intact.	20			
											. . . 85.68-85.72m: black-stained sponge bed.	21		86	
				100	69	57					. . . 85.76-85.86m: strong very high density hard ground.	22			
											. . . 85.76-86.04m: non intact.	23			
											. . . 86.30-86.38m: non intact.	24			
											. . . 86.75_86.92m: non intact.	25	-85		
												26			
87.00-88.50											. . . 87.05-87.15m: flint band. Fine to medium gravel of nodular flint with thin to thick cortexes (possibly not insitu).			87	
											. . . 87.05-87.53m: grey slightly gravelly fine to medium SAND. Gravel is subangular fine to medium chalk. Probably caved in material.				
											. . . 87.53-88.50m: disturbed by drilling. Recovered as white slightly sandy slightly gravelly SILT. Gravel is extremely weak to very weak low density subangular white with rare black specks (Dm).		-86		
				100	3	0								88	
88.50-90.00											. . . 88.50-88.62m: non intact.				
88.62-89.00	23	C									. . . 88.63m: green glauconitic-staining.		-87		
89.02-89.47	24	C										27		89	
				100	92	92					. . . 89.19-89.20m: black-stained sponge bed.				
89.47-89.83	25	C										28			
											. . . 89.65m: calcareous sponge (possible Porsphaera).		-88		

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19** End: **08.08.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**1.63**	**E:647335.9 N:264113.0**	**21** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
90.00-91.50				100	92	92		80% Polymer-Mud (Light grey)			. . . 89.93m: belemnite (4 x 8mm). . . . 90.01m: black-stained sponge bed. . . . 90.13-90.24m: non intact.	29 30 31		90 (10.01)	
				90	65	65					. . . 91.09-91.33m: non intact. . . . 91.33-91.50m:Assumed zone of core loss.	32	-89	91	
91.50-93.00				100	45	30		80% Polymer-Mud (Light grey)			. . . 91.50-92.44m: disturbed by drilling. . . . 92-92.43m: largely non intact. . . . 92.59m: belemnite (12 x 33m).	33 34 35 36 37	-90 -91	92	
93.00-94.50				97	96	91		80% Polymer-Mud (Light grey)			. . . 94.21-94.46m: flint band. Fine to medium gravel of nodular flint with thin to cortexes	38 39 40 41 42 43	-92	93 94	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Massenza M.I.12**	**Ryan Pincher + Adrian Hopwood**	**HJones + RAndrews + HSkaleld**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

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Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**22** of **53**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
94.50-96.00				97	96	91		80% Polymer-Mud (Light grey)			. . . 94.41m: green glauconitic-staining.	44	-93		
94.59-94.80	26	C										45			
												46			
												47			
												48		95	
				57	51	17					. . . 95.16-95.24m: non intact. . . . 95.24-95.34m: flint band. Fine to medium gravel of nodular flint with thin to thick cortexes.		-93.71	95.34	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-94	(0.66)	AZCL
96.00-96.20				90	30	0							-94.37	96.00	
96.20-97.40								80% Polymer-Mud (Light grey)			Very weak medium density medium jointed (NI/405/3300) white burrow mottled light grey CHALK. Bedding fractures: 2-10° widely spaced (10/616/3300) undulating rough with rare black specks, unstained, no infill. Gently inclined: 11-21° widely spaced (220/1539/5220) undulating and stepped rough with rare black specks, unstained, no infill. Inclined: 32-42° very widely spaced (430/3854/7920) undulating or stepped rough with rare black specks, unstained, no infill. Steeply inclined: 88° undulating rough with rare black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER) . . . 96.00-96.10m: non intact. . . . 96.10-96.16m: flint band. Fine to medium gravel of nodular flint with thin to thick cortexes. . . . 96.16-96.20m:Assumed zone of core loss. . . . 96.20-96.45: non intact. . . . 96.45-96.51m: black-stained sponge bed. . . . 97.13m: black-stained sponge bed.	49	-95	(1.40)	
				95	71	71						50			
												51		97	
													-95.77	97.40	
97.40-98.90											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-96		
														98	
				0	0	0								(1.50)	AZCL
													-97		
													-97.27	98.90	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_5**

Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instru-mentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
98.90-99.65				0	0	0		80% Polymer-Mud (Light grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			99 (0.75)	AZCL
													98.92	99.65	
99.65-100.30				0	0	0		80% Polymer-Mud (Light grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.65) 100	AZCL
													98.67	100.30	
											Borehole terminated at 100.30m depth.				

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
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DCBH2019_5 1.20m - 3.20m depth.





DCBH2019_5 3.20m - 4.90m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_5 4.90m - 7.15m depth.





DCBH2019_5 7.15m - 8.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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BOREHOLE LOG

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DCBH2019_5 8.50m - 10.55m depth.





DCBH2019_5 10.55m - 11.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

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DCBH2019_5 11.50m - 12.60m depth.





DCBH2019_5 12.60m - 14.10m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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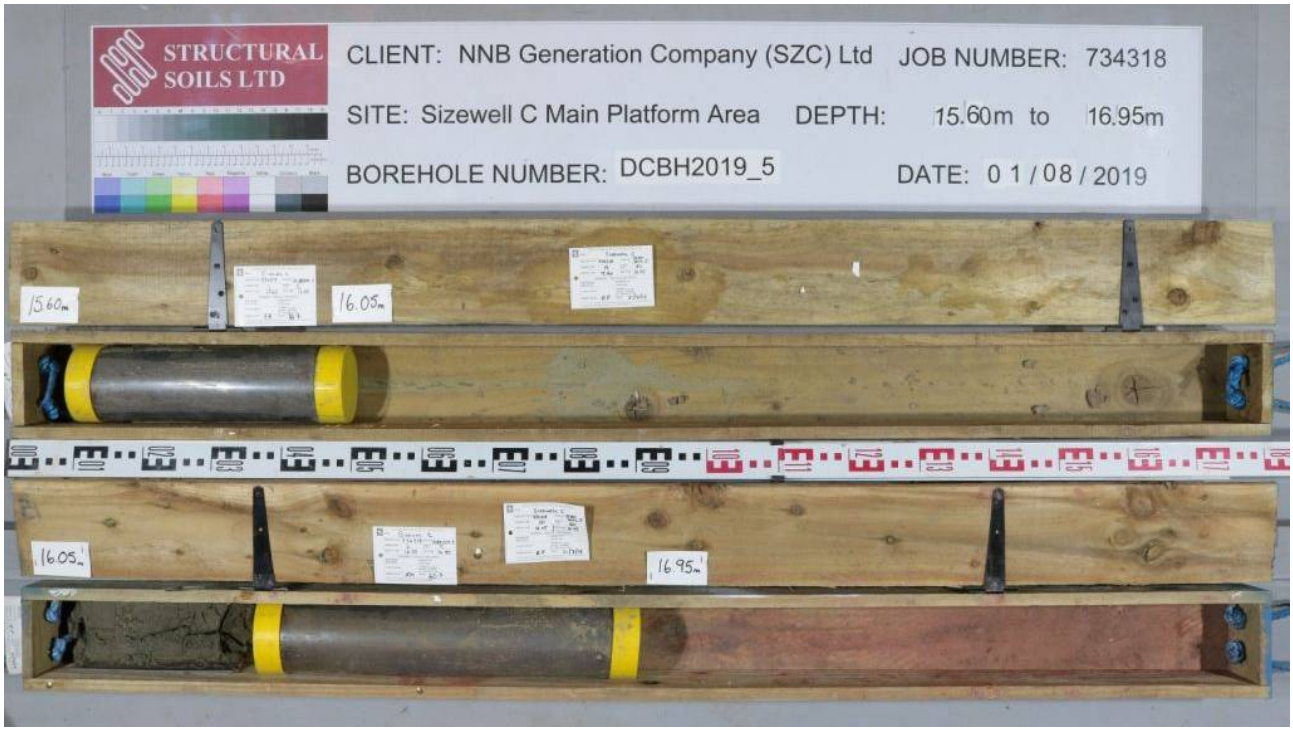
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
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DCBH2019_5 14.10m - 15.60m depth.





DCBH2019_5 15.60m - 16.95m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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BOREHOLE LOG

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Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
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DCBH2019_5 16.95m - 19.00m depth.





DCBH2019_5 19.00m - 20.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
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DCBH2019_5 20.50m - 22.00m depth.





DCBH2019_5 22.00m - 23.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

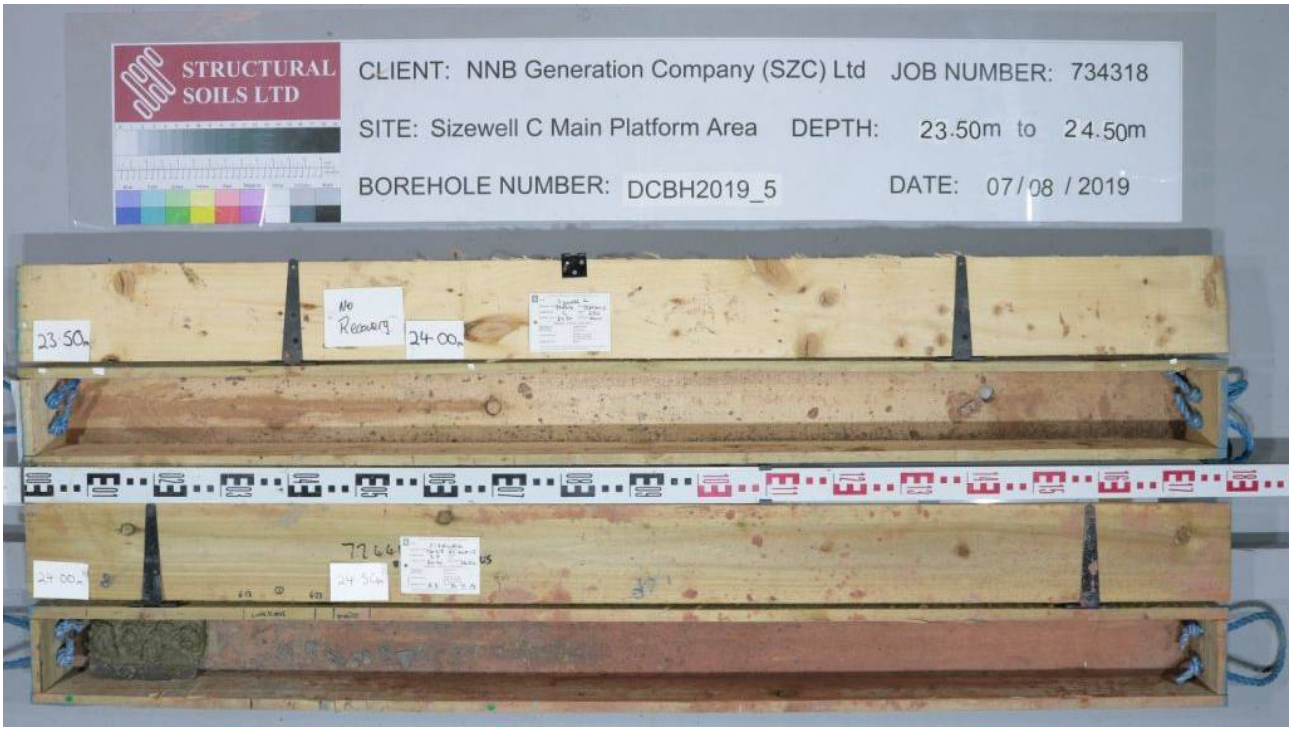
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BOREHOLE LOG

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DCBH2019_5 23.50m - 24.50m depth.





DCBH2019_5 24.50m - 25.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_5 25.50m - 26.75m depth.





DCBH2019_5 26.75m - 28.25m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 28.25m - 30.50m depth.





DCBH2019_5 30.50m - 33.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:

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BOREHOLE LOG

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DCBH2019_5 33.50m - 36.50m depth.





DCBH2019_5 36.50m - 39.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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BOREHOLE LOG

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DCBH2019_5 39.50m - 42.50m depth.





DCBH2019_5 42.50m - 44.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 44.70m - 47.00m depth.





DCBH2019_5 44.70m - 47.00m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

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Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 47.00m - 49.60m depth.





DCBH2019_5 47.00m - 49.60m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:

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BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_5 49.60m - 52.40m depth.





DCBH2019_5 49.60m - 52.40m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

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BOREHOLE LOG

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Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 52.40m - 55.00m depth.





DCBH2019_5 52.40m - 55.00m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**40** of **53**

DCBH2019_5 55.00m - 58.00m depth.





DCBH2019_5 55.00m - 58.00m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**41** of **53**

DCBH2019_5 58.00m - 60.80m depth.





DCBH2019_5 58.00m - 60.80m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

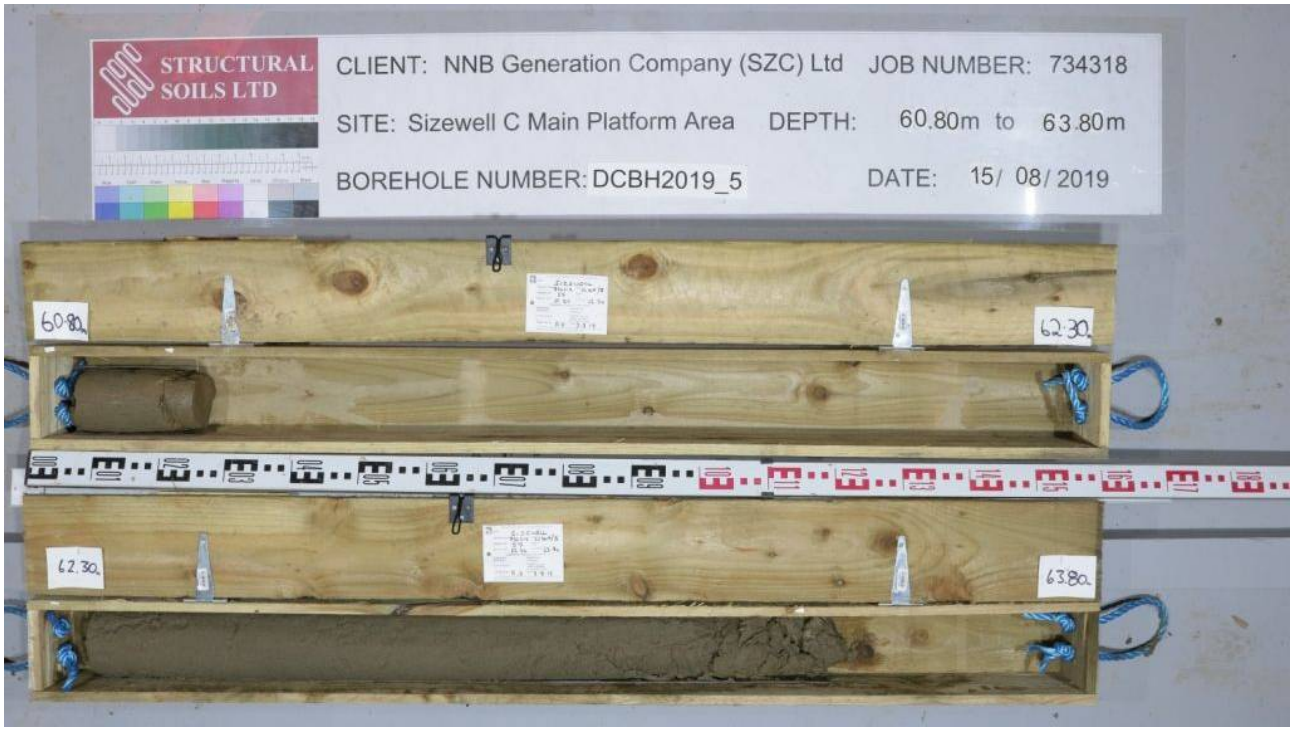
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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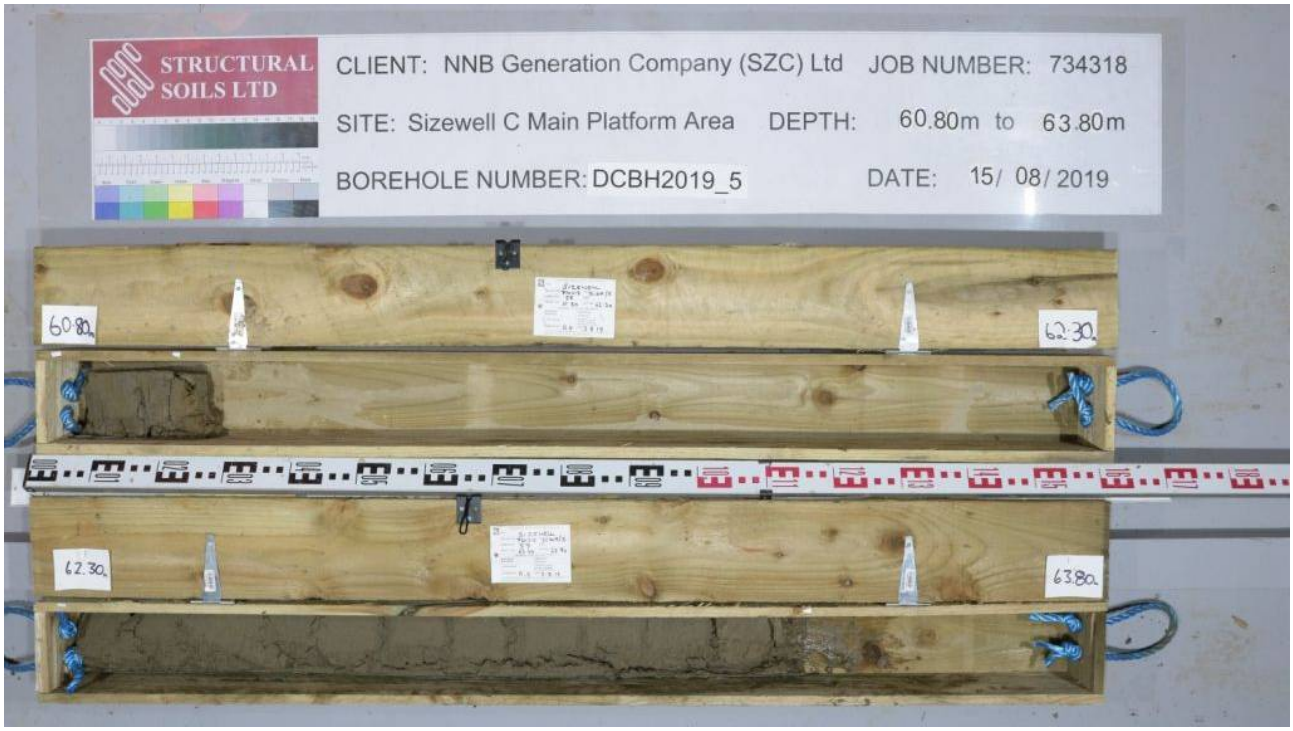
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**42** of **53**

DCBH2019_5 60.80m - 63.80m depth.





DCBH2019_5 60.80m - 63.80m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**43** of **53**

DCBH2019_5 63.80m - 66.80m depth.





DCBH2019_5 63.80m - 66.80m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 66.80m - 68.77m depth.





DCBH2019_5 66.80m - 68.77m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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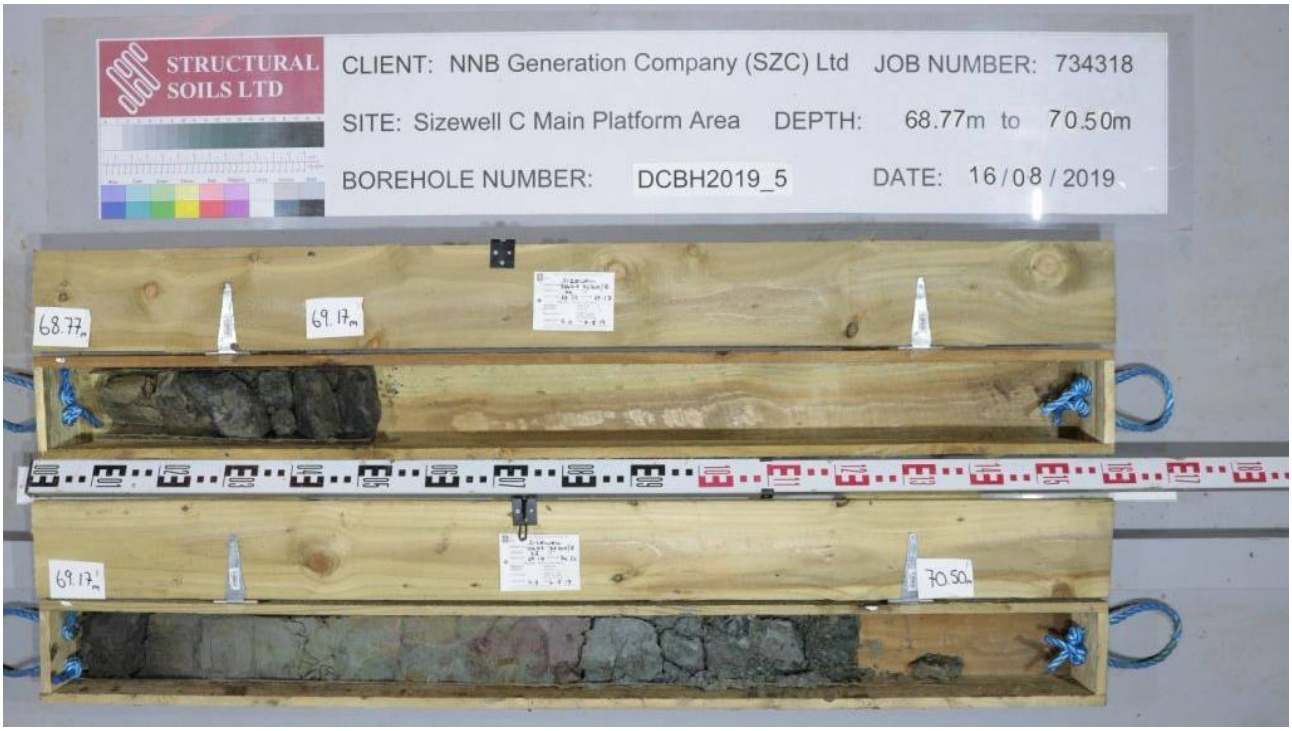
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 68.77m - 70.50m depth.





DCBH2019_5 68.77m - 70.50m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 70.50m - 73.50m depth.





DCBH2019_5 70.50m - 73.50m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 73.50m - 76.50m depth.





DCBH2019_5 73.50m - 76.50m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**48** of **53**

DCBH2019_5 76.50m - 79.50m depth.



Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **08.08.19**	**1.63**	**E:647335.9 N:264113.0**	**49** of **53**



DCBH2019_5 76.50m - 79.50m depth. (Split)

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 79.50m - 82.50m depth. (Split)





DCBH2019_5 82.50m - 85.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleId**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 85.50m - 88.50m depth.





DCBH2019_5 88.50m - 91.50m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

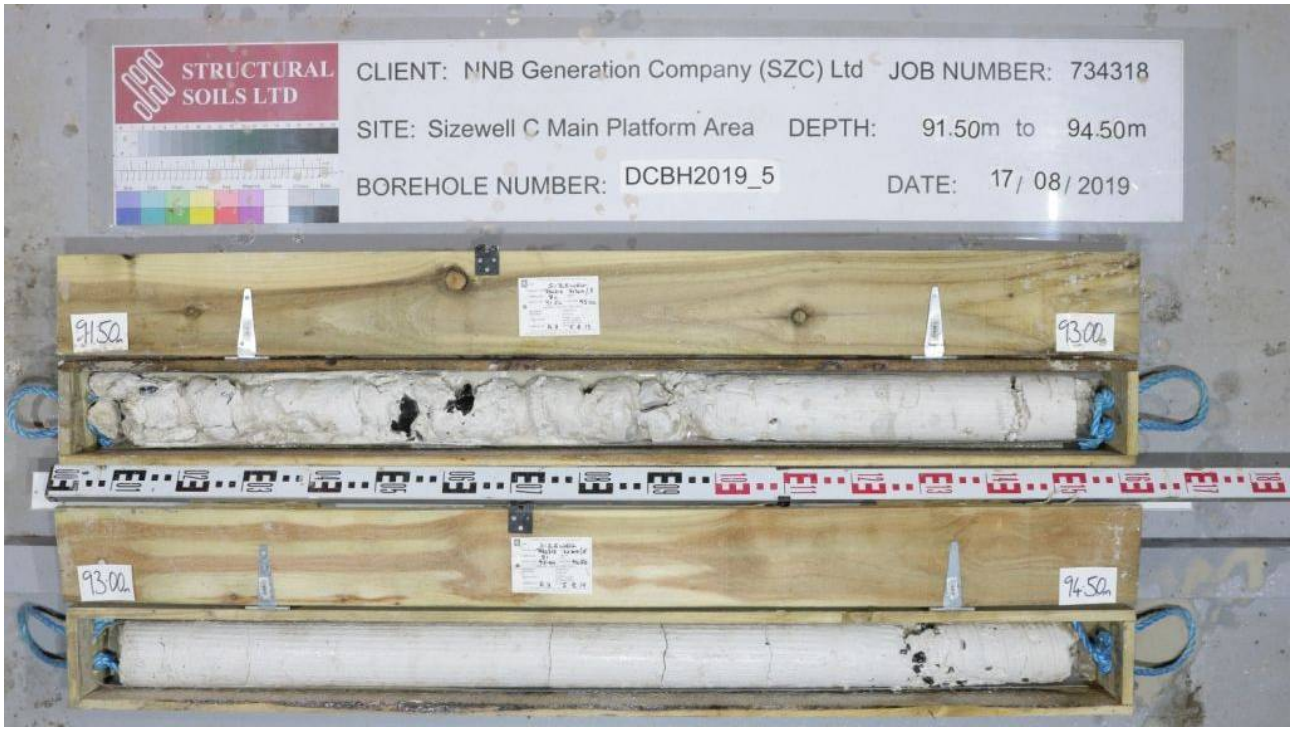
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 91.50m - 94.50m depth.





DCBH2019_5 94.50m - 96.20m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

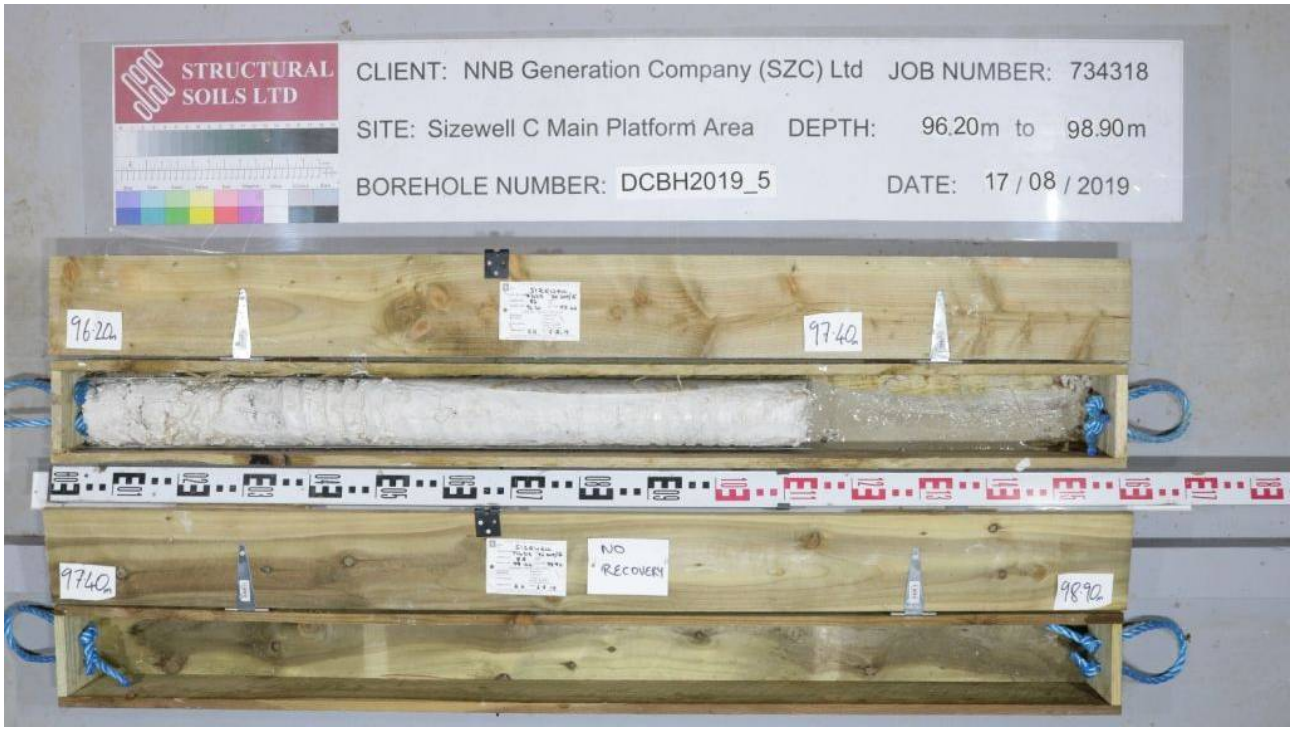
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_5**
Contract Ref:	Start: **17.07.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_5 96.20m - 98.90m depth.





DCBH2019_5 98.90m - 100.30m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Massenza M.I.12**	Drilled By:	**Ryan Pincher + Adrian Hopwood**	Logged By:	**HJones + RAndrews + HSkaleld**	Checked By:	[redacted]

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SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	82.63	BF	8	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
2	82.79	J	12	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
3	82.86	BF	2	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
4	83.09	BF	5	U-R	-	-	-	Rare black specks. Light	BEECK	CHALK
								staining. No infill.		
5	83.24	J	15	U-R	-	-	-	Rare black specks. Light	BEECK	CHALK
								staining. No infill.		
6	83.40	J	17	P-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
7	83.47	BF	3	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
8	84.00-84.16	J	74	U-R	-	-	-	Rare black specks. No	AZCL	
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

STRUCTURAL SOILS
The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 1 of 7

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
9	84.10-84.13	J	22	P-R	-	-	-	Rare black specks. Light	BEECK	CHALK
								staining. No infill.		
10	84.38	BF	3	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
11	84.46	BF	4	U-R	-	-	-	Occasional black specks. No	BEECK	CHALK
								staining. No infill.		
12	84.54	PFR	9	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
13	84.64	J	31	P-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
14	84.91	BF	9	U-R	-	-	-	Rare black specks. No	BEECK	CHALK
								staining. No infill.		
15	85.03	BF	4	U-R	-	-	-	Rare black specks. No	WBCK_CS	CHALK
								staining. No infill.		
16	85.23	BF	19	U-R	-	-	-	Rare black specks. No	WBCK_CS	CHALK
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

STRUCTURAL SOILS
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Compiled By		Date	Contract Ref:
[redacted]	KJOHNSTONE	15.05.20	734318
Contract: Sizewell C Onshore GI Phase 2 2019			Page: 2 of 7

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
17	85.32-85.36	J	34	U-R	-	-	-	Rare black specks. No	WBCK_CS	CHALK
								staining. No infill.		
18	85.46	J	11	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
19	85.76	BF	4	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
20	85.86	BF	7	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
21	86.04	BF	8	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
22	86.30	BF	7	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
23	86.38	BF	5	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
24	86.44-86.48	J	32	S-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
25	86.75	BF	5	P-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
26	86.92	BF	5	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
27	89.00-89.02	J	14	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
28	89.47	BF	5	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
29	89.93	BF	3	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
30	90.13	J	12	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
31	90.35	J	13	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
32	91.09	J	13	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
33	92.34	BF	8	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
34	92.34-92.42	J	88	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
35	92.38-92.43	J	42	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
36	92.75	BF	9	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
37	92.90	BF	8	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
38	93.07-93.10	J	13	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
39	93.23	BF	4	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
40	93.69	BF	3	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		

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Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
41	93.86	BF	6	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
42	94.02	BF	5	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
43	94.20	J	10	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
44	94.59	J	21	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
45	94.80	BF	3	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
46	94.89	BF	4	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
47	94.90	BF	2	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
48	95.08	J	15	S-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

SUMMARY OF DISCONTINUITIES - DCBH2019_5

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
49	96.43	BF	7	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
50	96.70	BF	3	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		
51	97.00	BF	4	U-R	-	-	-	Rare black specks. No	WBCK	CHALK
								staining. No infill.		

Key:
Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**1** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
0.00-0.09	1	B									MADE GROUND: Strong black ASPHALT.		3.10	0.09	
0.05	2	D									(MADE GROUND)		3.06	0.13	
0.09-0.13	2	B									MADE GROUND: Black slightly gravelly ASPHALT. Gravel is angular to subrounded fine to coarse of dolomite and sandstone. (MADE GROUND)		2.99	0.20	
0.10	101	ES											2.79	0.40	
0.10	4	D									MADE GROUND: Dark reddish to greyish brown slightly sandy GRAVEL. Sand is fine to medium. Gravel is angular to subrounded fine to coarse of dolomite. (MADE GROUND)			(0.50)	
0.10	WAC1	ES											2.29	0.90	
0.13-0.20	5	B									MADE GROUND: Dark reddish grey slightly sandy GRAVEL. Sand is fine to medium. Gravel is angular to subrounded fine to coarse of dolomite. (MADE GROUND)			(0.30)	
0.20	6	D											1.99	1.20	
0.20-0.40	7	B									MADE GROUND: Dark yellowish brown slightly gravelly medium to coarse SAND with occasional shell fragments. Gravel is subangular to subrounded fine to medium of dolomite. (MADE GROUND)				
0.30	102	ES									MADE GROUND: Yellowish brown fine SAND with occasional shell fragments. (MADE GROUND)			(0.64)	
0.30	8	D									POSSIBLE MADE GROUND: Orangish brown slightly gravelly clayey fine to medium SAND with numerous coarse sand to fine gravel sized comminuted shells. Gravel is subangular to subrounded fine to medium of siltstone and mudstone. (MADE GROUND) . . . 1.70-1.84m: Assume zone of core loss.		1.35	1.84	
0.30	WAC2	ES													
0.40-0.90	9	B									POSSIBLE MADE GROUND: Orangish brown slightly gravelly fine to medium SAND with occasional coarse sand to fine gravel sized comminuted shells. Gravel is subangular fine to medium of siltstone and mudstone. (MADE GROUND) . . . 2.10-2.20m: Assume zone of core loss. . . . 2.20-2.54m: becoming brown.		0.65	2.54	
0.50	103	ES													
0.50	WAC3	ES									POSSIBLE MADE GROUND: Brown slightly gravelly fine to medium SAND with frequent coarse sand to fine gravel sized comminuted shells and occasional flasers of clay (up to 3 x 12mm). Gravel is subangular to subrounded fine to medium of siltstone, mudstone and quartzite. (MADE GROUND)				
0.80	10	D													
0.90-1.20	11	B													
1.00	104	ES													
1.00	12	D													
1.00	WAC4	ES													
1.20-2.20															
1.20	105	ES	1xT+2xJ+1xV												
1.50	5	ES	1xT+1xJ+1xV												
				90	0	0		90% Water (Yellow)							
1.84	106	ES	1xT+2xJ+1xV												
2.20-3.70															
				100	0	0		90% Water (Light grey)							
3.42	107	ES	1xT+2xJ+1xV								. . . 3.45-3.57m: thick laminae of black organic matter.				
3.70-5.20											. . . 3.76-3.77m: thick laminae of black organic matter. . . . 3.90-4.48m: occasional comminuted shells.				
				73	0	0		90% Water (Grey)			. . . 4.05-4.07m: thick laminae of bluish grey fine to medium SAND.				

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
14/09/19	08:00	0.00	None	N/R	-
14/09/19	16:00	1.20	None	N/R	Dry
15/09/19	08:00	1.20	None	N/R	-
16/09/19	08:00	1.20	None	N/R	-
16/09/19		1.20	None	203	-
16/09/19		1.20	None	203	-
16/09/19	18:00	14.20	13.50	203	0.00
17/09/19	08:00	14.20	13.50	203	0.00

General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Hand dug inspection pit to 1.20m depth.
4. No water strike.
5. Borehole installed with 50mm slotted pipe between 7.50m - 12.50m depth, plain pipe between 7.50m and ground level. 12.50m - 13.50m depth bentonite pellets. Below 13.50m depth the hole was grouted.

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**2** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
4.48	108	ES	1xT+2xJ+1xV	73	0	0		90% Water (Grey)			POSSIBLE MADE GROUND: Dark brownish grey gravelly fine to medium SAND. Gravel is subrounded to subangular fine to medium of flint. (MADE GROUND)		-1.29	4.48	
														(0.32)	
													-1.61	4.80	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.40)	AZCL
5.20-5.95													-2.01	5.20	
5.20	109	ES	1xT+2xJ+1xV	59	0	0		90% Water (Dark grey)			POSSIBLE MADE GROUND: Dark brown slightly gravelly fine to medium SAND with occasional flasers of clay (up to 2 x 11mm). Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)			(0.45)	
													-2.46	5.65	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.30)	AZCL
5.95-6.70				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-2.76	5.95	
														(0.75)	AZCL
													-3.51	6.70	
6.70-8.20															
6.70	110	ES	1xT+2xJ+1xV	36	0	0		60% Water (Dark grey)			Partial recovery (36%). Recovered as plastic dark grey slightly gravelly clayey pseudo-fibrous PEAT. Gravel is subrounded fine to medium of quartzite. (SUPERFICIAL DEPOSITS - PEAT)			(1.50)	PR / AZCL
													-5.01	8.20	
8.20-8.95				0	0	0		0% Water			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.75)	AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
17/09/19	18:00	27.70	13.50	203	0.00
18/09/19	08:00	27.70	13.50	203	0.00
18/09/19	18:00	34.45	27.00	203	3.20
19/09/19	08:00	34.45	27.00	203	3.20
19/09/19	18:00	35.20	34.40	203	3.10
20/09/19	08:00	35.20	34.40	203	2.55
20/09/19	12:00	41.20	34.40	203	2.40
23/09/19	14:00	41.20	34.40	203	2.60

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**3** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
8.95-9.70											Very soft dark grey CLAY with occasional pockets of pseudo-fibrous peat. (SUPERFICIAL DEPOSITS - CLAY)		-5.76	8.95	AZCL
8.95	111	ES	1xT+2xJ+1xV	79	0	0		0% Water						(0.75)	
											. . . 9.53-9.70m: Assume zone of core loss.		-6.51	9.70	
9.70-11.20											Partial recovery (46%). Recovered soft dark grey clay and spongy dark blackish brown pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)				
				46	0	0		0% Water						(1.50)	PR/ AZCL
11.20-12.70											Very soft dark grey CLAY with occasional pockets of pseudo-fibrous peat. (SUPERFICIAL DEPOSITS - CLAY)		-8.01	11.20	
11.37	112	ES	1xT+2xJ+1xV										-8.18	11.37	
11.37	6	ES	1xT+1xJ+1xV								Plastic black amorphous PEAT. (SUPERFICIAL DEPOSITS - PEAT)				
				53	0	0		0% Water						(0.60)	
											. . . 11.91-11.98m: thin bed of dark brownish grey fine to medium SAND.		-8.78	11.97	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				
													-9.51	12.70	
12.70-13.45											Partial recovery (27%). Recovered as very soft greyish black slightly sandy slightly gravelly peaty CLAY. Sand is fine. Gravel is subrounded to subangular fine to medium of flint. (SUPERFICIAL DEPOSITS - CLAY)				
				27	0	0		0% Water						(0.75)	PR/ AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
23/09/19	18:00	41.20	34.40	203	2.40
24/09/19	08:00	41.20	34.40	203	2.90
24/09/19	18:00	41.20	40.50	203	2.60
25/09/19	13:00	41.20	40.50	203	3.10
25/09/19	18:00	44.20	42.00	203	0.90
26/09/19	08:00	44.20	42.00	203	2.30
26/09/19	18:00	53.20	42.00	203	1.80
27/09/19	08:00	53.20	42.00	203	2.20

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**4** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
13.45-14.20				0	0	0		0% Water			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-10.26	13.45 (0.75) 14	AZCL
14.20-14.95													-11.01	14.20	
14.20-14.95	1	C		100	0	0		70% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C1. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.75)	NLZS
14.95-15.70				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-11.76 -12	14.95 15 (0.75)	AZCL
15.70-16.45													-12.51	15.70	
15.70-16.05	2	C		47	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C2. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-12.86	(0.35) 16.05	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-13	(0.40)	AZCL
16.45-17.20													-13.26	16.45	
16.45-17.20	3	C		100	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C3. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.75) 17	NLZS
17.20-18.70													-14.01	17.20	
17.20-18.20	4	C		100	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C4. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(1.00)	NLZS

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
27/09/19	18:00	66.70	42.00	203	1.90
28/09/19	08:00	66.70	42.00	203	2.30
28/09/19	16:00	72.70	42.00	203	2.00
29/09/19	08:00	72.70	42.00	203	2.40
29/09/19	16:00	86.20	42.00	203	1.80
30/09/19	08:00	86.20	42.00	203	2.65
30/09/19	18:00	100.45	42.00	203	2.40
01/10/19	08:00	100.45	42.00	203	1.10

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**5** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
18.20	113	ES	1xT+2xJ+1xV											18	
													-15.01	(0.19)	NLZS
18.20	7	ES	1xT+1xJ+1xV	100	0	0		90% Water (Dark grey)			Grey fine to medium SAND with abundant coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))				
													-15.51	18.70 (0.50)	
18.70-20.20											Not logged zone with sampling. Geotechnical sample C5. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			19	
18.70-19.70	5	C		74	0	0		90% Water (Dark grey)					-16	(1.00)	NLZS
													-16.51	19.70	
											Grey fine to medium SAND with abundant coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-16.62	19.81	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-17	(0.39) 20	AZCL
20.20-20.95															
20.20-20.80	6	C		67	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C6. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.75)	NLZS
											. . . 20.80-20.95m: Assume zone of core loss.		-17.76	20.95	
20.95-21.70											Not logged zone with sampling. Geotechnical sample C7. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			21	
20.95-21.52	7	C		76	0	0		90% Water (Dark grey)					-18	(0.75)	NLZS
											. . . 21.52-21.70m: Assume zone of core loss.		-18.51	21.70	
21.70-22.45											Not logged zone with sampling. Geotechnical sample C8. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			22	
21.70-22.30	8	C		80	0	0		90% Water (Dark grey)					-19	(0.75)	NLZS
											. . . 22.30-22.45m: Assume zone of core loss.				

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
01/10/19	18:00	13.50	13.50	203	2.60
02/10/19	08:00	13.50	13.50	203	3.10
02/10/19	12:00	0.00	0.00	203	

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**6** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
22.45-23.20													-19.26	22.45	
22.45-23.20	9	C		100	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C9. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.75)	NLZS
													-20	23	
23.20-24.70				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-20.91	23.20	
														(1.50)	AZCL
													-21	24	
24.70-25.45				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-21.51	24.70	
														25	
													-22		
25.45-26.20				0	0	0		90% Water (Dark grey)						(1.50)	AZCL
														26	
26.20-26.95				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. . . . 26.20m - 26.95m: Assume zone of core loss.		-23.91	26.20	
														(0.75)	AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
26.95-27.70				0	0	0		90% Water (Dark grey)			Assumed zone of core loss.		-23.76	26.95 27 (0.75)	AZCL
													-24 -24.51	27.70	
27.70-28.45				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-25 -25.26	28 (0.75) 28.45	AZCL
28.45-29.20															
28.45-29.20	10	C		100	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C10. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-26	(0.75) 29	NLZS
29.20-30.70													-26.91	29.20	
29.20-29.98	11	C		52	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C11. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-26.79	(0.78) 29.98	NLZS
											Assume zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-27 -27.51	30 (0.72) 30.70	AZCL
30.70-31.45				19	0	0		90% Water (Dark grey)			Minimal recovery (19%). Recovered as grey fine to coarse SAND with abundant coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-28	31 (0.75)	MR / AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**8** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
31.45-32.20													-28.26	31.45	
31.45-32.20	12	C		100	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C12. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.75)	NLZS
													-29.01	32.20	
32.20-33.70															
32.20-32.90	13	C		47	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C13. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-29.71	(0.70) 32.90	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-30.51	(0.80) 33.70	AZCL
33.70-34.45				28	0	0		90% Water (Dark grey)			Partial recovery (28%). Recovered as grey fine to coarse SAND with abundant coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-31.26	(0.75) 34.45	PR / AZCL
34.45-35.20															
34.45-35.20	14	C		100	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C14. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-32.01	(0.75) 35.20	NLZS
35.20-36.70															
35.20-36.14	15	C		63	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C15. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.94)	NLZS

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
													-32.95	36 (36.14)	NLZS
				63	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-33	(0.56)	AZCL
36.70-37.45				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-33.51 -34 -34.26	36.70 37 (0.75) 37.45	AZCL
37.45-38.20															
37.45-37.97	16	C		69	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C16. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-34.78	(0.52) 37.97	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-35	38 (0.23) 38.20	AZCL
38.20-38.95				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-35.76	(0.75) 38.95	AZCL
38.95-39.70				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-36 -36.51	39 (0.75) 39.70	AZCL
39.70-40.45				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-37	40 (0.75)	AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
40.45-41.20				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-37.26	40.45 (0.75)	AZCL
													-38.01	41 41.20	
41.20-41.95				0	0	0		90% Water (Light grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-38	(0.75)	AZCL
													-38.76	41.95	
41.95-42.70				0	0	0		90% Water (Light grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-39	42 (0.75)	AZCL
													-39.51	42.70	
42.70-43.45				0	0	0		90% Water (Light grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-40	43 (0.75)	AZCL
													-40.26	43.45	
43.45-44.20				7	0	0		90% Water (Light grey)			Minimal recovery (7%). Recovered as grey fine to coarse SAND with abundant coarse sand to fine gravel comminuted shells (most sand content washed away). (RED CRAG FORMATION (UNDIFFERENTIATED))		-41	(0.75) 44	MR / AZCL
44.20-44.95				48	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-41.01	44.20 (0.39)	AZCL
											Brownish grey fine to medium SAND. (RED CRAG FORMATION (UNDIFFERENTIATED))		-41.40	44.59	
											Very strong dark grey argillaceous LIMESTONE with 'vein' of black organic matter (possibly coal).		-41.54	44.73 (0.35)	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
44.95-45.70											(HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)			45	
													-41.89	(45.08)	
45.25	114	ES	1xT+2xJ+1xV	87	0	0		90% Water (Dark grey)			Very stiff extremely closely to very closely spaced fissured greyish brown micaceous silty CLAY with closely to widely spaced thick laminae to thin beds of very stiff dark grey volcaniclastic silt. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)		-42		
45.50-45.60	13	D									. . . 45.15-45.34m: thin bed of very stiff dark grey volcaniclastic silt.				
45.70-47.20											. . . 45.43-45.45m:thick laminae of very stiff dark grey volcaniclastic silt . Top 4mm bioturbated. Burrows are subhorizontal up to 1 x 1mm infilled with grey silt. . . . 45.60-45.70m: Assume zone of core loss.			46 (2.13)	
				100	0	0							-43		
46.61-46.83	17	C									. . . 46.42-46.46m: very thin bed of very stiff dark grey volcaniclastic silt. . . . 46.50-46.53m: very thin bed of very stiff dark grey volcaniclastic silt. Top 2mm bioturbated. Burrows are subhorizontal up to 1 x 1mm infilled with grey silt. . . . 46.69-46.73m: very thin bed of very stiff dark grey volcaniclastic silt.			47	
47.20-48.70											Very strong dark grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-44.02	(47.21)	
47.42-47.87	18	C									Very stiff extremely closely to very closely spaced fissured greyish brown micaceous silty CLAY with closely to widely spaced thick laminae to very thin beds of very stiff dark grey volcaniclastic silt. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)		-44.23	47.42	
				100	0	0		90% Water (Dark grey)			. . . 47.96-48.10m: bioturbated.Burrows are subhorizontal up to 1 x 2 mm infilled with grey silt. . . . 48.11-48.13m: thick laminae of very stiff dark grey volcaniclastic silt.			48	
													-45	(1.90)	
48.70-50.20											. . . 48.66.48.70m: very thin bed of very stiff dark grey volcaniclastic silt.				
48.70-48.92	19	C									. . . 48.92.48.97m: thick laminae of very stiff dark grey volcaniclastic silt. . . . 48.97-49.03m: very thin bed of very stiff dark grey volcaniclastic silt.			49	
				100	0	0							-46		
													-46.13	49.32	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
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Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
50.20-51.70											Very stiff extremely closely to very closely spaced fissured greyish brown bioturbated slightly glauconitic micaceous silty CLAY with medium spaced very thin beds of very stiff dark grey volcaniclastic silt. Fissures are randomly orientated planar rough or smooth matt or polished. Burrows are subhorizontal up to 5 x 23mm infilled with light and dark grey silt. (HARWICH FORMATION, WRABNESS MEMBER) . . . 49.41-49.56m: bioturbated. Burrows are subhorizontal up to 1 x 2 mm infilled with grey silt. . . . 48.89-50.00m: fissure: 83° planar smooth and striated. . . . 49.94m: burrow 22 x 5mm infilled with dark grey silt. . . . 49.98-50.01m: very thin bed of very stiff dark grey volcaniclastic silt				
50.20-50.63	20	C		100	0	0		90% Water (Dark grey)					-47	50 (2.10)	
50.79-51.14	21	C		100	0	0		90% Water (Dark grey)					-48	51	
													-48.23	51.42	
											Very strong dark grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-48.35	51.54	
51.70-53.20											Very stiff extremely closely to very closely spaced fissured greyish brown bioturbated glauconitic micaceous silty CLAY with very closely to widely spaced thickly laminae to thin beds of very stiff dark grey volcaniclastic silt. Fissures are randomly orientated planar smooth or rough matt or polished. Burrows are subhorizontal up to 4 x 22mm infilled with dark grey silt. (HARWICH FORMATION, WRABNESS MEMBER) . . . 51.67-51.69m: 46.50-46.53m: possible thick laminae of very stiff dark brownish grey volcaniclastic silt. Bottom 5mm bioturbated. Burrows are subhorizontal up to 1 x 1mm infilled with grey silt. . . . 52.05-52.06m: possible thick laminae very stiff dark grey mottled brown bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 2mm infilled with light grey silt. . . . 52.10-52.14m: very thin bed of very stiff dark grey volcaniclastic silt . Top 4mm bioturbated. Burrows are subhorizontal up to 1 x 3mm infilled with grey silt. . . . 52.24-52.28m: thin bed of very stiff dark grey volcaniclastic silt . Top 10mm bioturbated. Burrows are subhorizontal up to 1 x 1mm infilled with dark grey silt.				
51.70-51.80	14	D		100	0	0		90% Water (Dark grey)					-49	52	
53.20-54.70													-50	53 (3.16)	
53.51-53.85	22	C		100	0	0		90% Water (Dark grey)			. . . 53.45m: burrow subhorizontal up to 42 x 22mmn infilled with dark grey silt.				

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**13** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
53.96-54.32	23	C									. . . 53.87-53.90m: very thin bed of very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 2 x 6mm infilled with brown. silt.			54	
54.32-54.70	24	C		100	0	0		90% Water (Dark grey)			. . . 54.13-54.15m: thick laminae of very stiff dark grey volcaniclastic silt.		-51		
54.70-56.20											Very stiff extremely closely to very closely spaced thinly laminated dark greyish brown micaceous CLAY. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, ORWELL MEMBER) . . . 54.82m: parting of light grey silt. . . . 54.85m: parting of light grey silt. . . . 55.06m: parting of light grey silt.		-51.51	54.70	
55.20-55.70	25	C		100	0	0		90% Water (Dark grey)					-52	55 (1.77)	
55.70-56.20	26	C												56	
56.20-57.70													-53		
56.60-56.70	15	D		90	0	0		90% Water (Dark grey)			Firm dark greyish brown slightly sandy micaceous SILT. Sand is fine to medium. (HARWICH FORMATION, ORWELL MEMBER)		-53.28	56.47	
														(0.88) 57	
											Black well rounded fine to medium GRAVEL of flint. (HARWICH FORMATION, IPSWICH MEMBER)		-54		
											. . . 57.55-57.70m: Assumed zone of core loss.		-54.16	57.35	
57.70-58.45				100	0	0		90% Water (Dark grey)			Brownish grey fine to medium SAND. (READING FORMATION)		-54.51	(0.35) 57.70	
													-55	58	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**14** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
58.45-59.20														(1.50)	
58.45-58.65	16	D		100	0	0		90% Water (Dark grey)							
													-56.01	59.20	
59.20-60.70											Not logged zone with sampling. Geotechnical sample C27. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(1.05)	NLZS
59.20-60.25	27	C		70	0	0		90% Water (Dark grey)					-57.06	60.25	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.45)	AZCL
													-57.51	60.70	
60.70-61.45				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-58	61 (0.75)	AZCL
													-58.26	61.45	
61.45-62.20											Not logged zone with sampling. Geotechnical sample C28. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.75)	NLZS
61.45-62.17	28	C		96	0	0		90% Water (Dark grey)						62	
											. . . 62.17-62.20m: Assumed zone of core loss.		-59.01	62.20	
62.20-62.95											Not logged zone with sampling. Geotechnical sample C29. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)			(0.32)	NLZS
62.20-62.52	29	C		43	0	0		90% Water (Dark grey)					-59.33	62.52	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.43)	AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**15** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
62.95-63.70													-59.76	62.95	AZCL
62.95-63.70	30	C		100	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C30. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-60	63 (0.75)	NLZS
													-60.51	63.70	
63.70-65.95				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-61	64 (2.25)	AZCL
													-62	65	
													-62.76	65.95	
65.95-66.70														66	
65.95-66.30	31	C		100	0	0		90% Water (Dark grey)			Not logged zone with sampling. Geotechnical sample C31. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-63	(0.75)	NLZS
													-63.51	66.70	
66.70-68.20								90% Water (Dark grey)			Very stiff dark grey slightly silty micaceous CLAY. (READING FORMATION)			(0.34)	
67.08-67.76	32	C		100	0	0					Stiff light bluish grey mottled orangish brown and red (ferricrete) slightly micaceous SILT. (UPNOR FORMATION)		-63.85	67.04	
													-64		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**3.19**	**E:647055.7 N:263972.0**	**16** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
67.76-67.86	17	D		100	0	0		90% Water (Dark grey)						(1.74)	
68.20-69.70													-65	68	
68.20-68.48	33	C													
68.48-68.78	34	C											-65.59	68.78	
				100	0	0		90% Water (Dark grey)			Firm light bluish grey mottled brown slighty sandy micaceous SILT. (UPNOR FORMATION)				
69.60-69.70	18	D											-66	69	
69.70-71.20														(1.78)	
69.70-70.01	35	C													
70.20-70.43	36	C									. . . 70.13-70.14m: thick laminae of light grey silty micaceous fine sand.		-67	70	
				100	0	0		90% Water (Dark grey)					-67.37	70.56	
71.05-71.20	19	D									Very stiff extremely closely to very closely fissured thinly laminated dark grey locally dark green slightly bioturbated micaceous CLAY. Fissures are randomly orientated planar rough matt or polished or striated. Burrows are subhorizontal up to 10 x 23mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)			71	
71.20-72.70													-68		
71.20-73.61	37	C													
				100	0	0		90% Water (Dark grey)							
71.62-71.88	38	C													

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**17** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
72.24-72.44	39	C		100	0	0		90% Water (Dark grey)					-69	72	
72.70-74.20														(4.60)	
73.26-76.64	40	C		100	0	0		90% Water (Dark grey)					-70	73	
73.79-74.12	41	C													
74.20-75.70													-71	74	
74.20-74.51	42	C		100	0	0		90% Water (Dark grey)			. . . 74.70-74.81m: fissure: 53° planar smooth and striated.				
75.70-77.20													-71.97	75.16	
76.16-76.47	43	C		100	0	0		90% Water (Dark grey)			Very stiff extremely closely to very closely fissured thinly laminated dark grey locally dark green slightly bioturbated micaceous silty CLAY. Fissures are randomly orientated planar rough matt or polished or striated. Burrows are subhorizontal up to 10 x 23mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-72	76	
													-73	(2.26)	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**18** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
76.47-76.77	44	C		100	0	0		90% Water (Dark grey)						77	
77.20-78.70													-74		
													-74.23	77.42	
											Very stiff extremely closely to very closely fissured thinly laminated dark grey locally dark green slightly bioturbated micaceous CLAY. Fissures are randomly orientated planar rough matt or polished or striated. Burrows are subhorizontal up to 10 x 23mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)			(0.60)	
77.78-78.02	45	C		100	0	0		90% Water (Dark grey)					-74.83	78.02	
											Very stiff extremely closely to very closely fissured thinly laminated dark grey locally dark green slightly bioturbated slightly calcareous micaceous CLAY. Fissures are randomly orientated planar rough matt or polished or striated. Burrows are subhorizontal up to 10 x 23mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-75	(0.68)	
													-75.51	78.70	
78.70-80.20											Very stiff extremely closely to very closely fissured thinly laminated dark grey locally dark green slightly bioturbated micaceous CLAY. Fissures are randomly orientated planar rough matt or polished or striated. Burrows are subhorizontal up to 10 x 23mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 79.22-79.27m: fissure: 24°planar rough and matt. . . . 79.30-79.63m: fissure: 72° planar rough and matt.			79	
78.88-79.06	46	C											-76	(1.12)	
				100	0	0		90% Water (Dark grey)							
79.62-79.72	20	D									. . . 79.71-79.81m: fissure: 44° planar rough and matt.		-76.63	79.82	
											Very stiff very closely to closely fissured dark reddish brown slightly bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated, planar rough matt or polished or striated. Burrows are subhorizontal up to 2 x 11mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)			80	
80.20-81.70													-77		
														(1.28)	
80.50-80.65	21	D		72	0	0		90% Water (Dark grey)			. . . 80.74-80.86m: fissure: 50° planar rough and matt.				

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**19** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				72	0	0		90% Water (Dark grey)			Blackish green glauconitic clayey subangular to subrounded fine to coarse GRAVEL of flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1)		-77.91	81 / 81.10	
													-78 / -78.09	81.28	
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.42)	AZCL
81.70-83.20													-78.51	81.70	
81.70-82.05	47	C									Very weak medium density medium jointed (NI/201/515) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 7 and 8° widely spaced (390/663/840) planar and undulating rough clean. Gently inclined joints: 12-21° medium spaced (NI/501/1365) undulating rough clean. Inclined joints: 33-41° medium spaced (430/501/600) planar or undulating or stepped rough clean. Steeply inclined joints: 62° planar rough clean. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER)	1		82	
82.24-82.55	48	C		100	91	85		90% Water (Light grey)			. . . 82.22-82.25m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.	2	-79		
											. . . 82.70-82.76m: non-intact.	3		(1.99)	
											. . . 82.84-83.00m: frequent phosphatic fragments. . . . 82.84-83.04m: belemnite 44 x 12mm.	4		83	
83.20-84.70											. . . 83.12-83.20m: non-intact.	5 6 7	-80		
											. . . 83.36-83.54m: frequent phosphatic fragments.	8			
												9	-80.50	83.69	
				100	100	44		90% Water (Light grey)			Strong high density closely jointed (80/113/220) white burrow mottled light grey CHALK hardground. Bedding fractures: 4-8° medium spaced (80/225/620) planar or undulating rough clean. Gently inclined joints: 12-16° medium spaced (160/303/430) planar or undulating rough clean. Inclined joints: 31° undulating rough clean. Sub-vertical joints: 81° planar rough clean. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED))	10 11 12 13 14 15	-81	84 (0.90)	
												16 17	-81.40	84.59	
84.70-86.20											Very weak medium density medium jointed (NI/209/1485) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (15/386/3710) planar or undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. Gently inclined joints: 11-28° medium spaced (45/541/1880) planar or undulating rough generally clean locally with rare black specks, unstained, no infill. Inclined joints: 32-47 (320/2711/5160) planar or undulating rough clean. Subvertical joints: 87-89° very widely spaced (2460/5418/7860) planar rough clean.	18 19 20 21	-82	85	
				100	97	83		90% Water (Light grey)							

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19** End: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318		**3.19**	**E:647055.7 N:263972.0**	**20** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
								90% Water (Light grey)			(PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER)	22			
											. . . 85.10m: shell fragment.				
				100	97	83					. . . 85.75-85.89m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes.	23			
												24			
												25		86	
												26			
86.20-87.70											. . . 86.15-86.20m: non-intact.	27	-83		
												28			
												29			
											. . . 86.67- 86.69m: black-stained sponge bed.	30			
				100	100	94						31		87	
											. . . 87.11m: phosphatic fragments	32	-84		
												33			
												34			
87.70-89.20												35			
												36			
												37		88 (7.10)	
													-85		
												38			
												39			
				100	91	65		90% Water (Light grey)				40			
											. . . 85.75-85.89m: flint band. Fine to large gravel size fragments of nodular flint with thin cortexes.	41			
												42			
												43		89	
												44			
89.20-90.70											. . . 89.20-89.25m: non-intact.	45	-86		
												46			
89.43-89.85	49	C		100	87	87									
												47			

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**21** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
				100	87	87		90% Water (Light grey)			. . . 90.54-90.59 flint band. Fine gravel size fragment of nodular flint with a thin cortex. . . . 90.55-91.20m: non-intact. . . . . 90.76-90.79m: flint band. Fine gravel size fragment of nodular flint with a thin cortex.	48 49 50	-87	90	
90.70-92.20															
91.20-91.50	50	C		100	60	49		90% Water (Light grey)			. . . 91.50-91.60m: non-intact. . . . 91.50-91.60m: flint band. Fine to large gravel size fragments of nodular flint with thin cortexes.		-88	91	
													88.50	91.69	
92.20-93.70				100	72	39		90% Water (Light grey)			Very weak medium density medium jointed (NI/209/1485) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (15/386/3710) planar or undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. Gently inclined joints: 11-28° medium spaced (45/541/1880) planar or undulating rough generally clean locally with rare black specks, unstained, no infill. Inclined joints: 32-47 (320/2711/5160) planar or undulating rough clean. Subvertical joints: 87-89° very widely spaced (2460/5418/7860) planar rough clean. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER) . . . 92.62-92.69m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes. . . . 92.79-93.13m: non-intact.	51 52 53 54 55 57 56 58 59 60 61 62 63 64	-89 -90	92 93	
93.70-95.20 93.70-94.20	51	C		93	82	82		90% Water (Light grey)			. . . 93.62-93.70m: non-intact.		-91	94	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**22** of **50**

Depth (m)	Samples & Testing: No	Type	Results	Mechanical Log: TCR (%)	SCR (%)	RQD (%)	If (mm)	Flush Returns	Backfill & Instrumentation	Water	Description of Strata
				93	82	82		90% Water (Light grey)			. . . 94.80-94.97m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.
											. . . 95.10-95.20m: non-intact.
95.20-96.70											
95.93-96.33	52	C		100	88	73		90% Water (Light grey)			. . . 95.74-95.86m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes. . . . 95.96-95.90m: black-stained sponge bed.
96.33-96.58	53	C									
											. . . 96.58-96.64m: non-intact
96.70-98.20											
				100	92	59		90% Water (Light grey)			. . . 97.10-97.17m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes. . . . 97.10-97.32m: non-intact
98.20-99.70											
				100	87	57		90% Water (Light grey)			. . . 98.64 - 99.83m:black-stained sponge bed

Fracture Log: 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90

Reduced Level: -92, -93, -94, -95

Depth (Thickness): 95, 96 (8.76), 97, 98

Legend

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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BOREHOLE LOG

Contract:	Client:	Borehole:
Sizewell C Onshore GI Phase 2 2019	**NNB Generation Company (SZC) Ltd**	**DCBH2019_6**

Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
734318	End: **14.09.19**	**3.19**	**E:647055.7 N:263972.0**	**23** of **50**

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instru-mentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
98.94-99.16	54	C		100	87	57		90% Water (Light grey)			. . . 99.50-99.70m: non-intact.	91		99	
99.70-100.45				100	31	31		90% Water (Light grey)			. . . 99.70-100.03m: non-intact.	92	-96		
											. . . 100.26-100.45m: non-intact.	93			
												94		100	
													-97		
											Borehole terminated at 100.45m depth.		-97.26	100.45	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres | Scale: **1:25**

Method Used:	Plant Used:	Drilled By:	Logged By:	Checked By:
Trial Pit/trench + Rotary Cored	**Hand tools + Comacchio MC450-P1**	**MVeckabans**	**ADenham + HJones**	[redacted]

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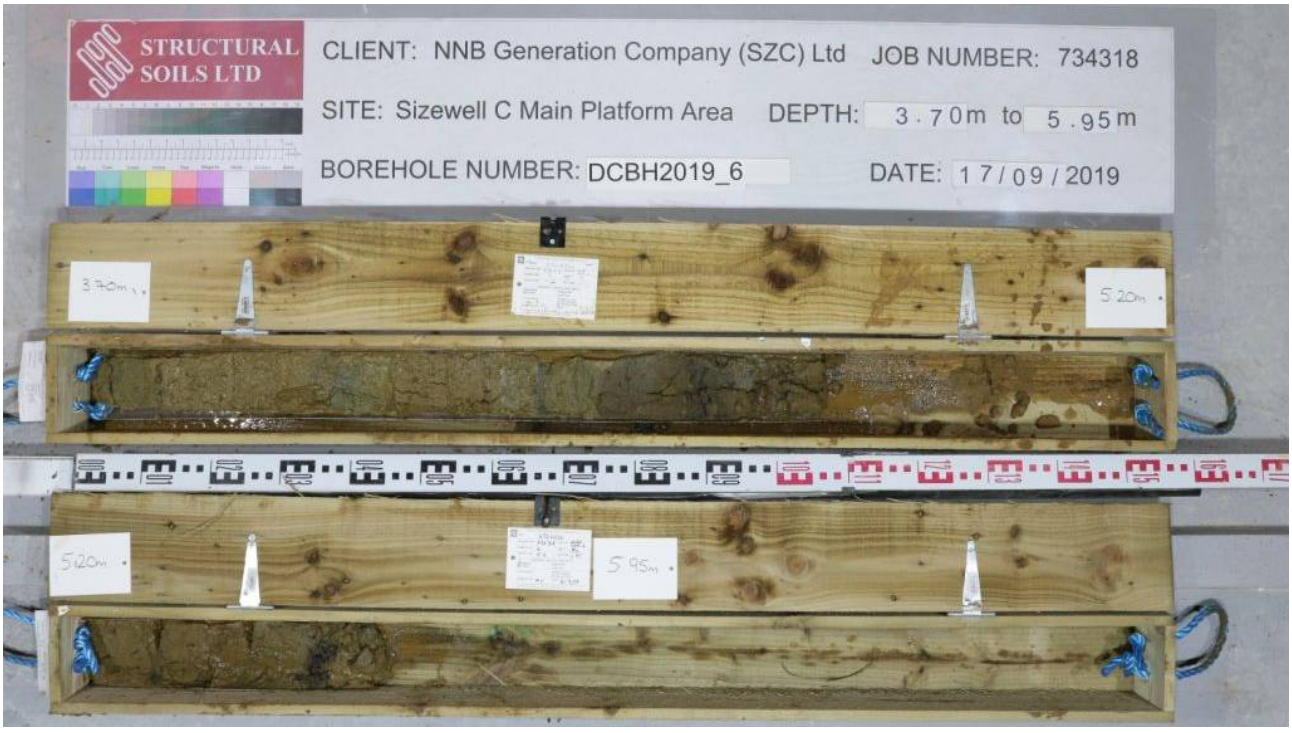
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 1.20m - 3.70m depth.





DCBH2019_6 3.70m - 5.95m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

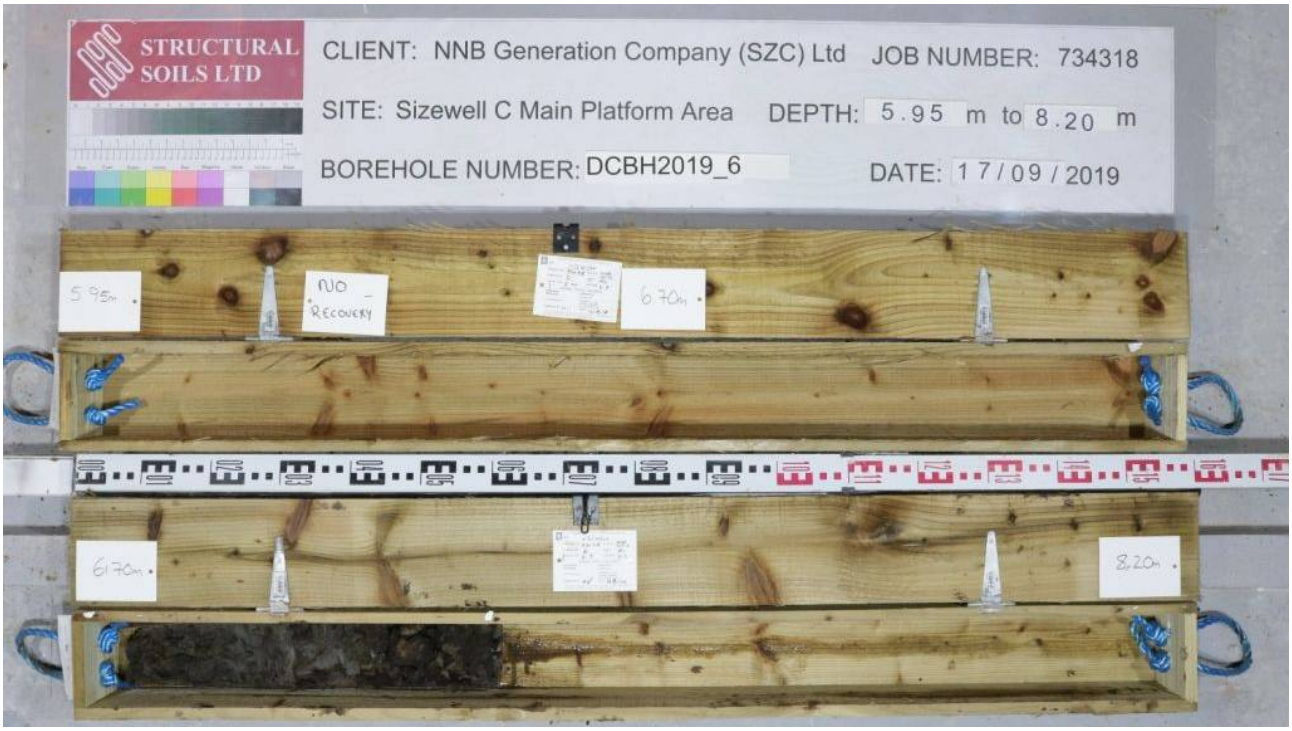
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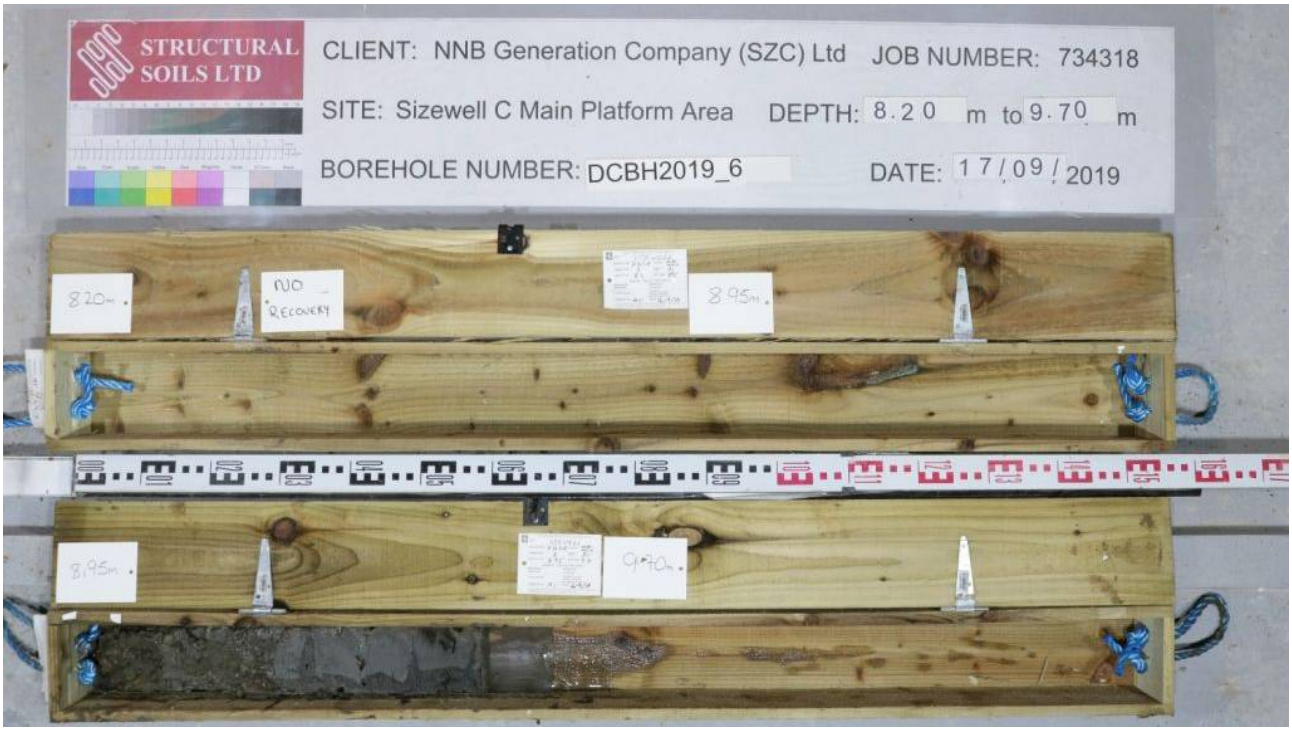
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 5.95m - 8.20m depth.





DCBH2019_6 8.20m - 9.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:

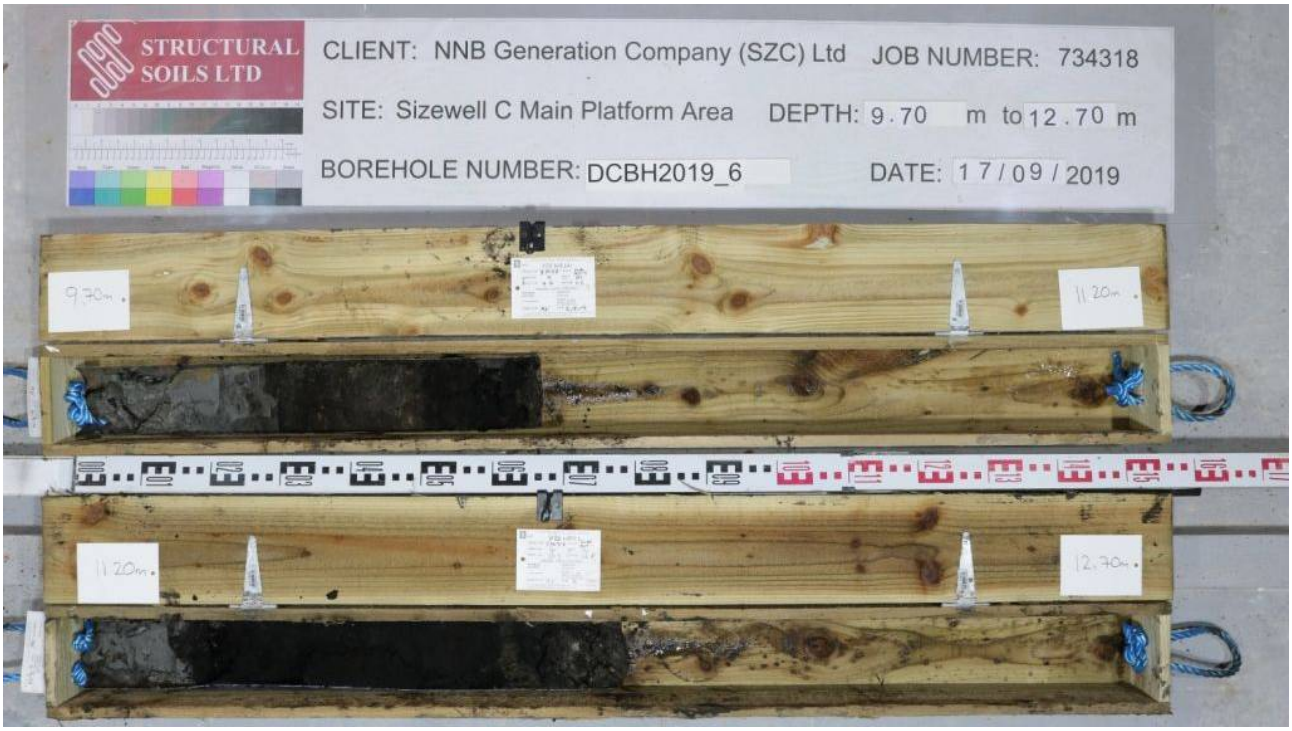
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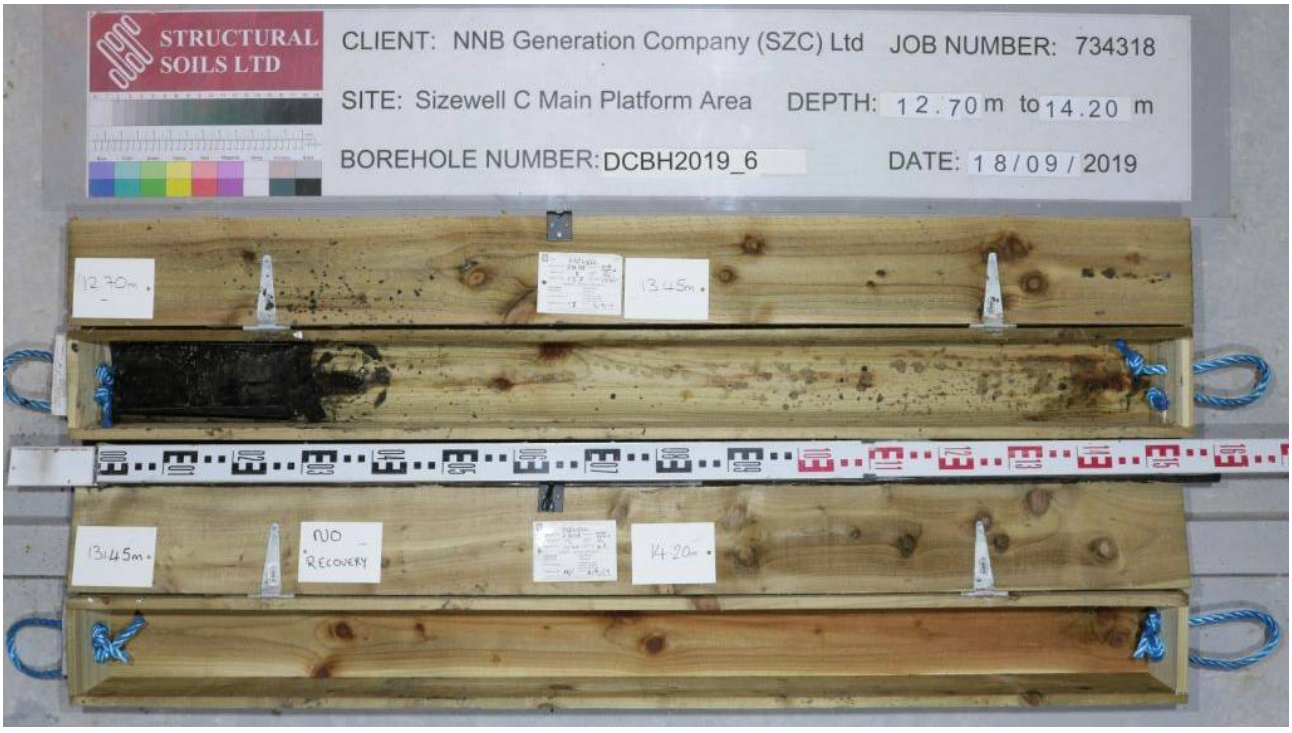
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 9.70m - 12.70m depth.





DCBH2019_6 12.70m - 14.20m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
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Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 14.20m - 15.70m depth.





DCBH2019_6 15.70m - 17.20m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 17.20m - 20.20m depth.





DCBH2019_6 20.20m - 21.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

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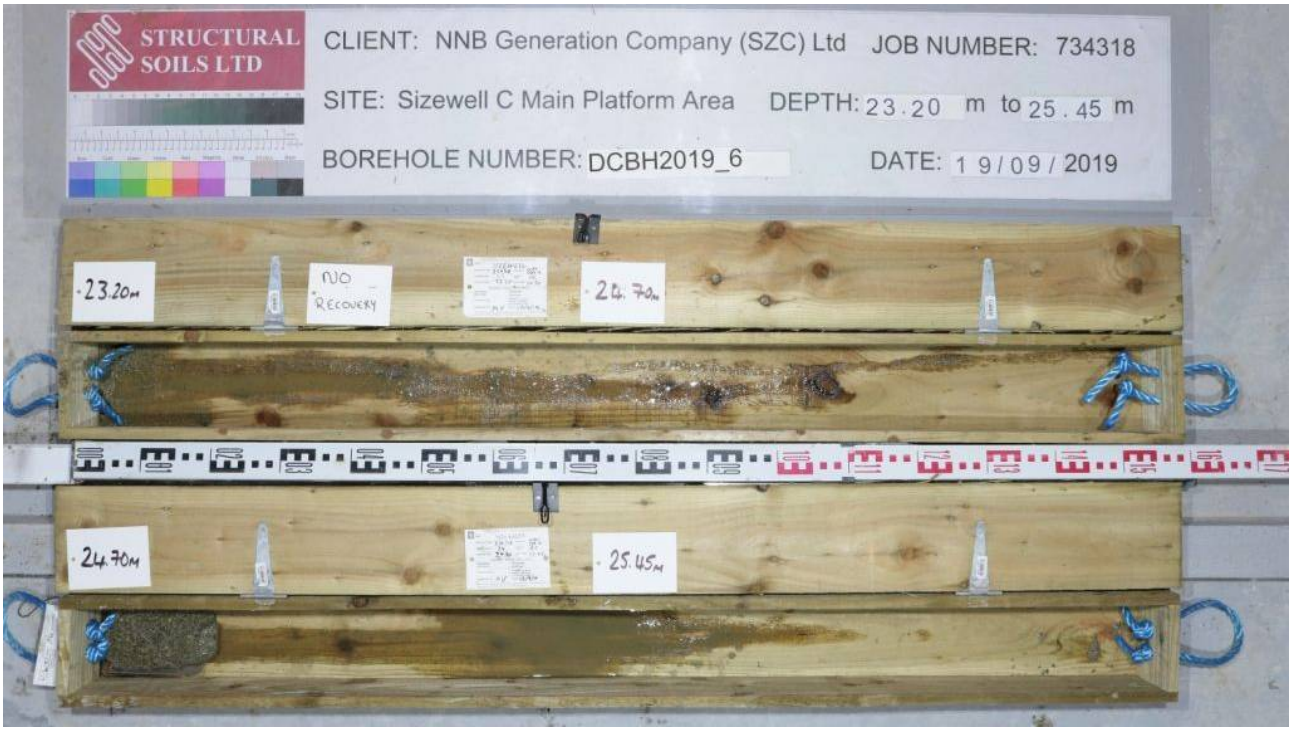
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 21.70m - 23.20m depth.





DCBH2019_6 23.20m - 25.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

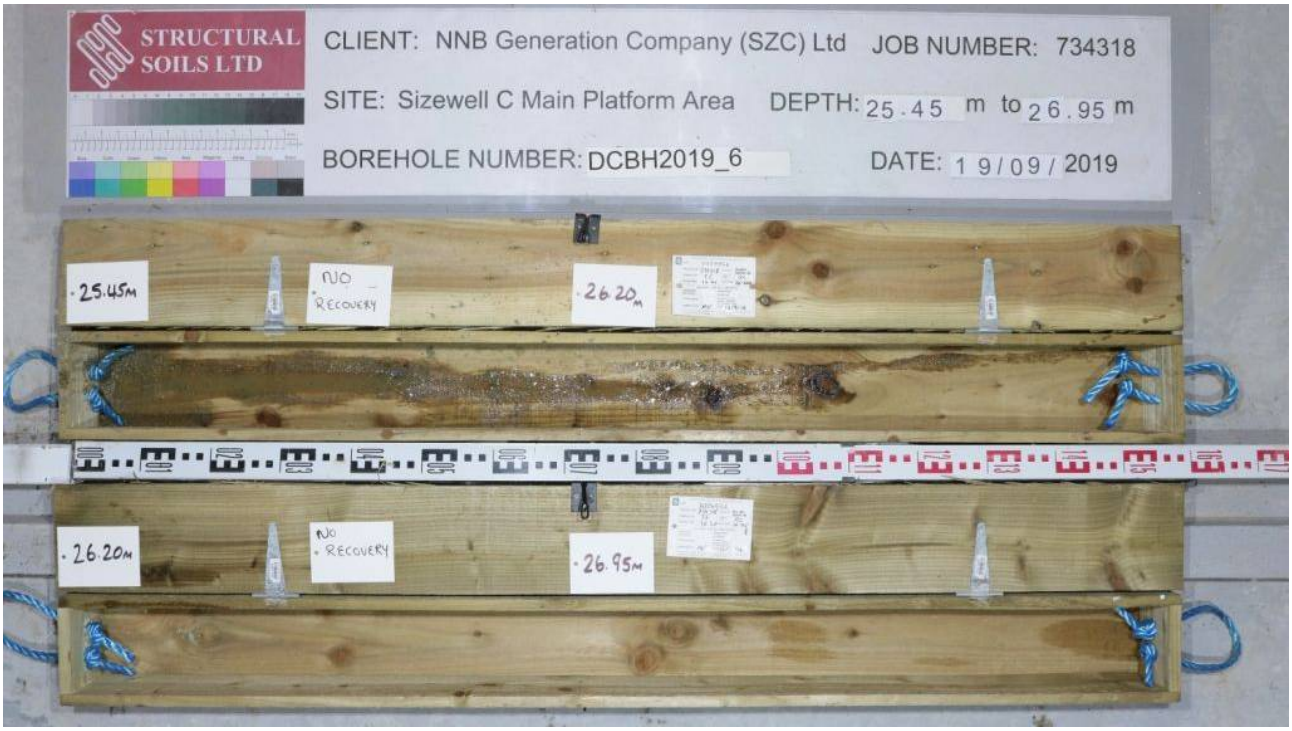
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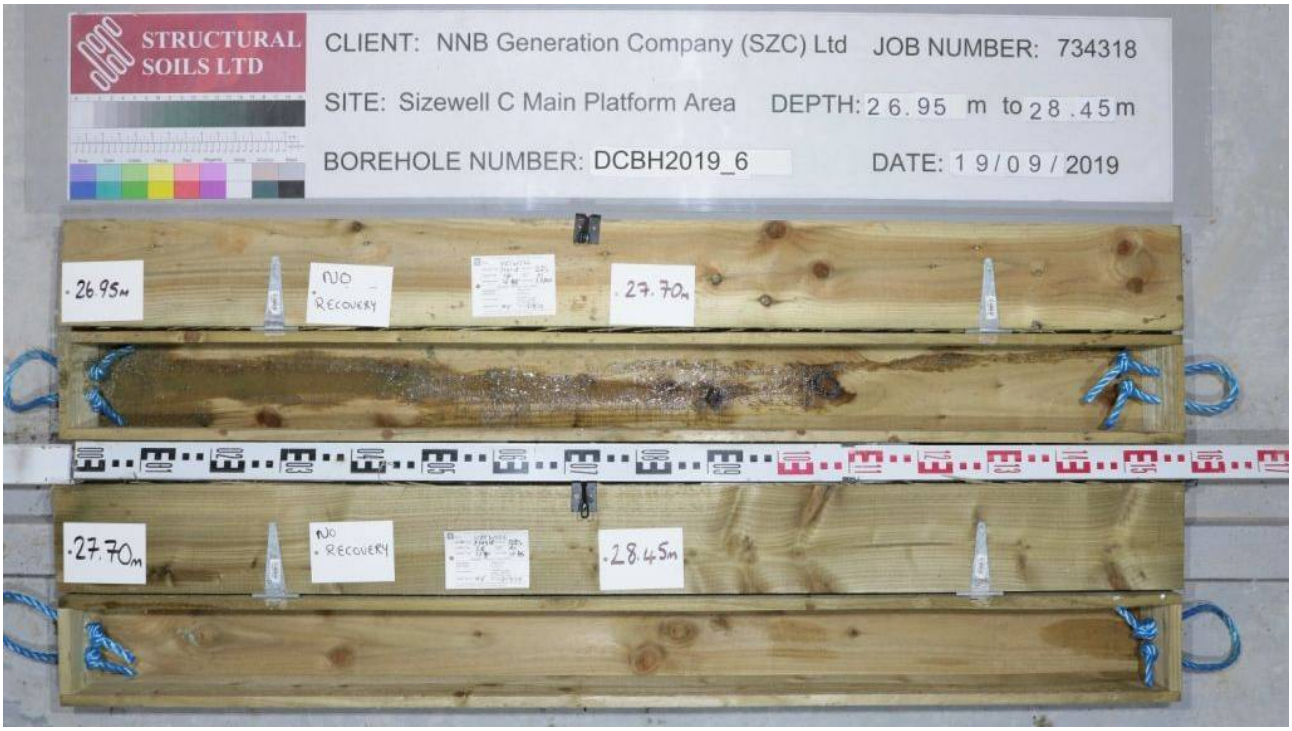
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 25.45m - 26.95m depth.





DCBH2019_6 26.95m - 28.45m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

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BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 28.45m - 30.70m depth.





DCBH2019_6 30.70m - 32.20m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 32.20m - 34.45m depth.





DCBH2019_6 34.45m - 36.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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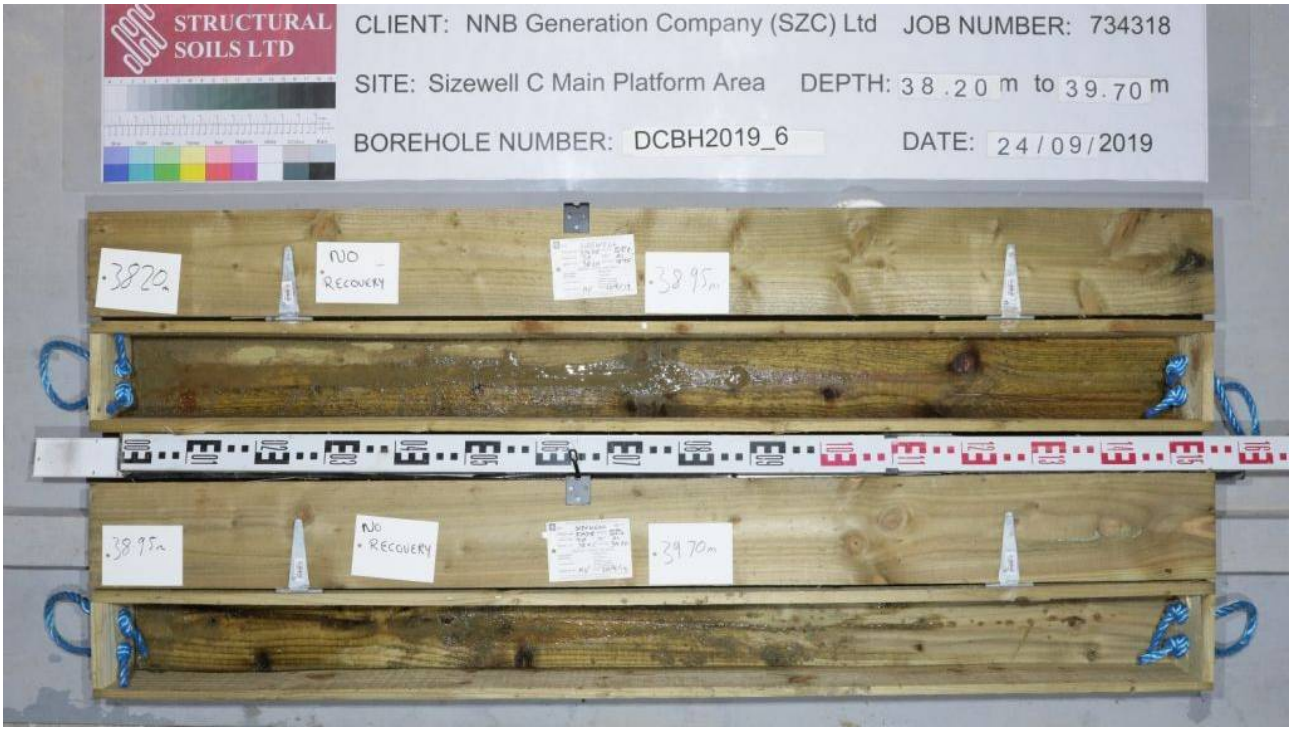
STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 36.70m - 38.20m depth.





DCBH2019_6 38.20m - 39.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 39.70m - 41.20m depth.





DCBH2019_6 41.20m - 42.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

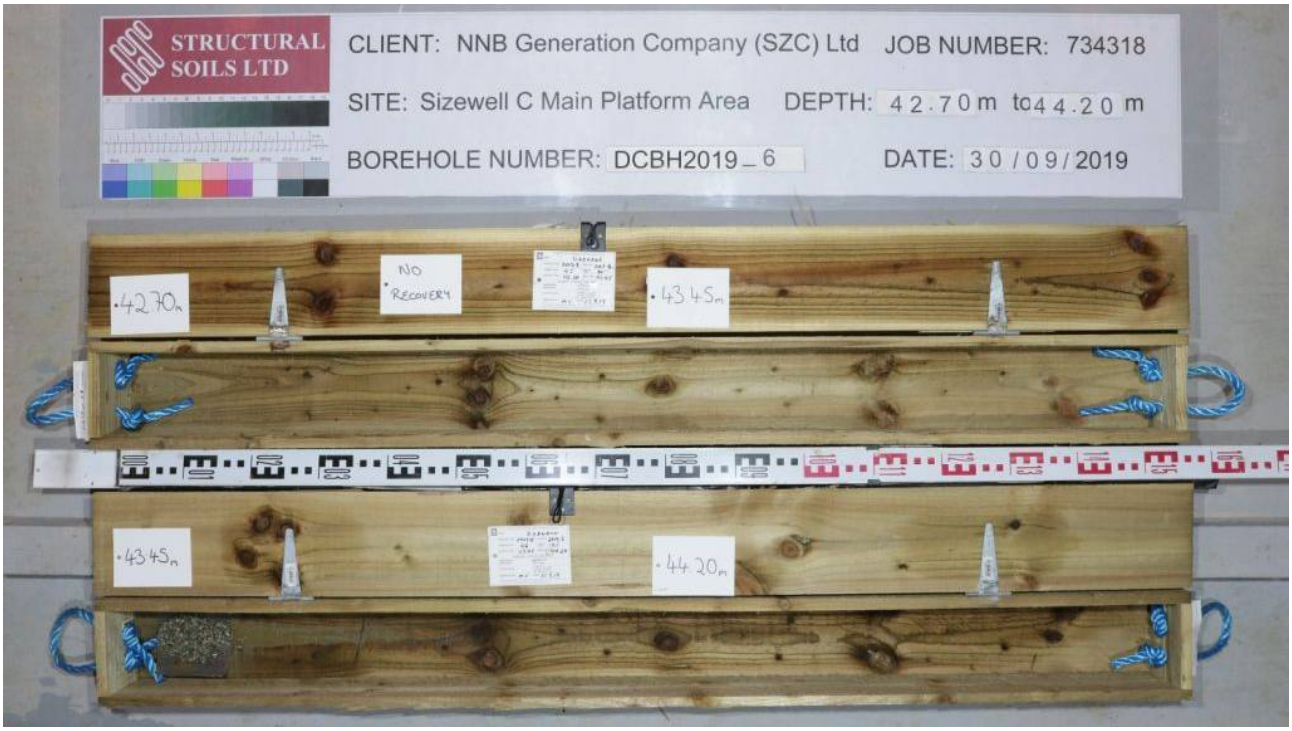
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 42.70m - 44.20m depth.





DCBH2019_6 44.20m - 45.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 44.20m - 45.70m depth (Split).





DCBH2019_6 45.70m - 48.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 45.70m - 48.70m depth (Split).





DCBH2019_6 48.70m - 51.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 48.70m - 51.70m depth (Split).





DCBH2019_6 51.70m - 54.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 51.70m - 54.70m depth (Split).





DCBH2019_6 54.70m - 57.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 54.70m - 57.70m depth (Split).





DCBH2019_6 57.70m - 59.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 59.70m - 61.45m depth.





DCBH2019_6 61.45m - 62.95m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
Contract Ref:	Start: **14.09.19**	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
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DCBH2019_6 62.95m - 65.20m depth.





DCBH2019_6 65.95m - 66.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
Sizewell C Onshore GI Phase 2 2019		**NNB Generation Company (SZC) Ltd**		**DCBH2019_6**
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DCBH2019_6 66.70m - 69.70m depth.





DCBH2019_6 69.70m - 72.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract:		Client:		Borehole:
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DCBH2019_6 69.70m - 72.70m depth (Split).





DCBH2019_6 72.70m - 75.70m depth.

Method Used:	**Trial Pit/trench + Rotary Cored**	Plant Used:	**Hand tools + Comacchio MC450-P1**	Drilled By:	**MVeckabans**	Logged By:	**ADenham + HJones**	Checked By:	[redacted]

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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