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Aldwick,
Bognor Regis,
PO21 3BS

Units 15 & 16 • Ford Lane Business Park •
Ford • Arundel • West Sussex • BN18 0UZ

Company number:
FAO: Mr J. Parsons

Date: 28/02/2020
Our Ref: 20.1023



Dear Mr Parsons

RE: 41 – 47 Pevensey Road Groundwater Monitoring

We are writing to you following our recent ground investigation at the land rear of 41-47 Pevensey Road, Bognor Regis, PO21 5NY as instructed by Mr Peter Cleveland of Henry Adams LLP (the Client representative).

At the time of the investigation the plot consisted of a series of four semi-detached properties with extended soft landscaped rear gardens (Figure 1). The site is located on the southern side of Pevensey Road approximately ~110m south of The Regis School.

Scope of Ground Investigation

The aim of the ground investigation was to ascertain the soil profile up to 3mbgl with installation of a standpipe for winter groundwater monitoring. Figure 2 shows the final positions of two boreholes and installs. The completed ground investigation is listed below:

- Two (2no) windowless sampling boreholes to a depth of 3mbgl.
- Two (2No) installations of slotted and plain standpipe tubing with flush type lockable covers.

The typical soil sequence encountered during the investigation was as follows:

Min – Max depth (mbgl)	Average depth (mbgl)	Description
0.0 – 0.2	0.0 – 0.2	Topsoil
0.2 – 2.0	0.2 – 1.9	Orange brown sandy gravelly CLAY
1.9 – 3.0	1.9 – 3.0	Grey clayey SAND

Reference should be made to the engineer's logs for full descriptions of each exploratory location, provided within **Appendix A.**

Groundwater monitoring was completed within two (2No) boreholes over a period of two weeks. The monitoring was planned to aid in the design of a suitable drainage system for the redevelopment of the land. A summary of the results is shown in the table below:

	Groundwater Monitored Depth (m)		
Date/Time of Monitoring	17/02/2020 / 10.30	21/02/2020 / 08.00	28/02/2020 / 08.45
WS1	0.75mbgl	0.17mbgl	0.06mbgl
WS2	0.92mbgl	0.42mbgl	0.25mbgl

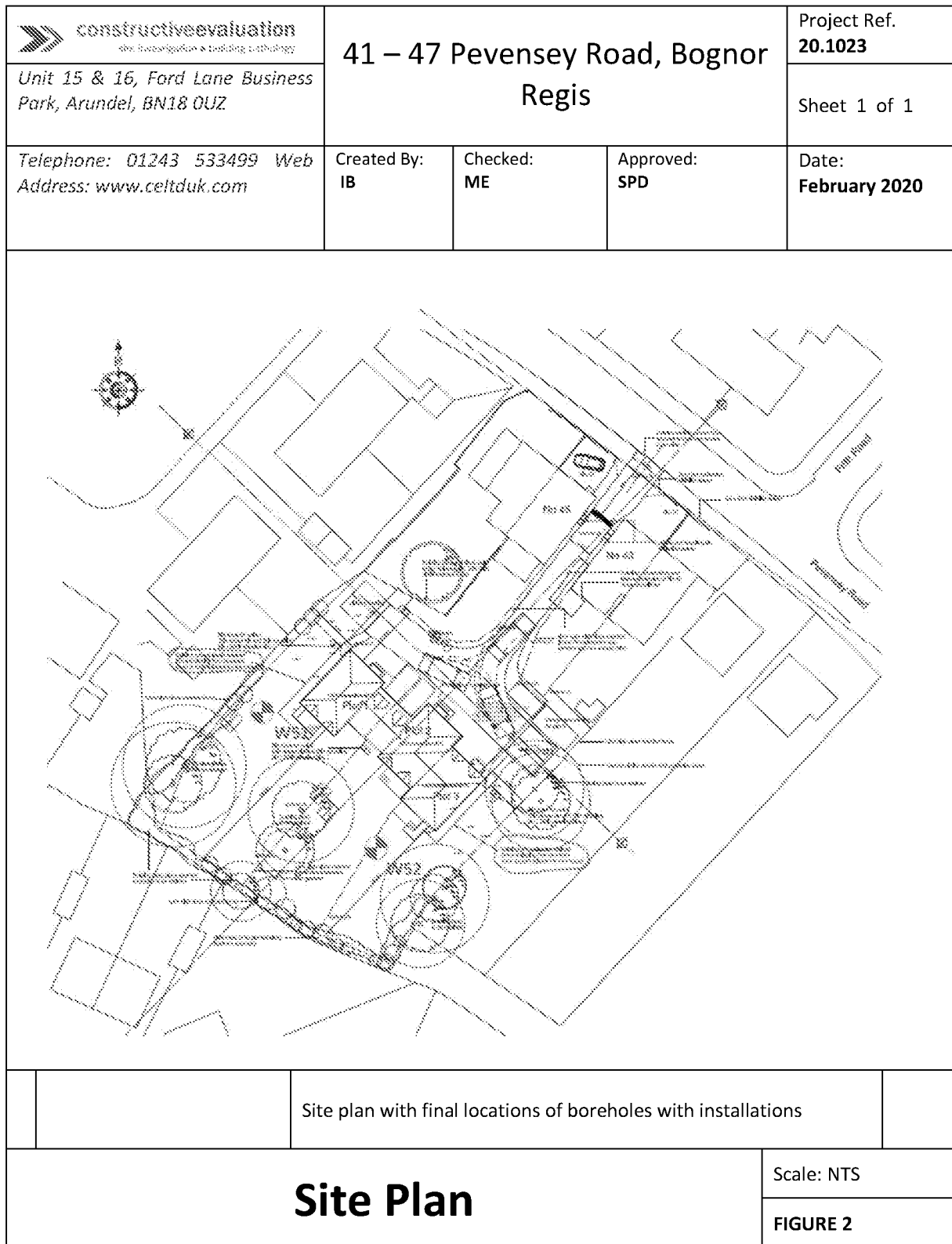
We hope the above is satisfactory for your needs. If you have any queries please get in contact.

Kind regards,

Isaac Betts MSc FGS
Engineering Geologist

Attached: Stratigraphic Logs

 constructiveevaluation site investigations & building pathology Unit 15 & 16, Ford Lane Business Park, Arundel, BN18 0UZ	41 – 47 Pevensey Road, Bognor Regis			Project Ref. 20.1023 Sheet 1 of 1
Telephone: 01243 533499 Web Address: www.celtduk.com	Created By: IB	Checked: ME	Approved: SPD	Date: February 2020
				
Reproduced by permission of H.M. Stationery Office.	Map extracted at a scale of 1:25,000			N 
Site Location				Scale: NTS FIGURE 1





Borehole Log

Borehole No.

WS1

Sheet 1 of 1

Project Name: 41-47 Pevensey Road

Project No.
20.1023

Co-ords:

Hole Type
WS

Location: Bognor Regis

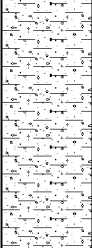
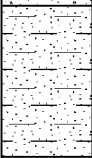
Level:

Scale
1:50

Client: Peter Cleveland

Dates:

Logged By
ME

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20			Dark brown slightly sandy CLAY with frequent rootlets. Sand is fine to medium. (TOPSOIL)	
					2.00			Soft to firm orange brown sandy slightly gravelly CLAY with occasional grey mottling between 0.9m and 2.0mbgl. Sand is fine to medium. Gravels are fine, sub-angular to sub-rounded flint.	1
					3.00			Grey brown clayey medium to coarse SAND.	2
								End of Borehole at 3.000m	3
									4
									5
									6
									7
									8
									9
									10

Remarks

Groundwater encountered at 0.75mbgl during hand pit excavation.





Borehole Log

Borehole No.

WS2

Sheet 1 of 1

Project Name: 41-47 Pevensey Road

Project No.
20.1023

Co-ords:

Hole Type
WS

Location: Bognor Regis

Level:

Scale
1:50

Client: Peter Cleveland

Dates:

Logged By
ME

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
	▼				0.20			Dark brown slightly sandy CLAY with frequent rootlets. Sand is fine to medium. (TOPSOIL)	
					1.80			Soft to firm orange brown sandy slightly gravelly CLAY with occasional grey mottling from 1.0m to 1.8mbgl. Sand is fine to medium. Gravels are fine, sub-angular to sub-rounded flint.	1
					3.00			Grey slightly clayey medium to coarse SAND.	2
								End of Borehole at 3.000m	3
									4
									5
									6
									7
									8
									9
									10

Remarks

Groundwater encountered at 0.92mbgl during hand pit excavation.

