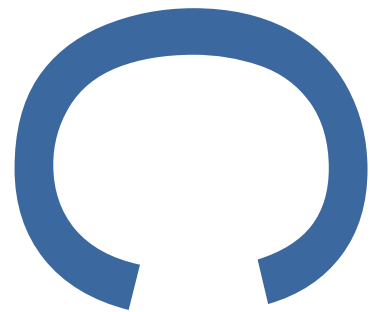


**LAND WEST OF TANGMERE, WEST  
SUSSEX**

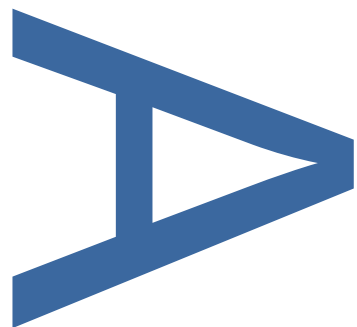
**AN ARCHAEOLOGICAL WATCHING  
BRIEF REPORT**



**PCA REPORT NO: R13632**

**SITE CODE: WSTA19**

**MARCH 2019**



**PRE-CONSTRUCT ARCHAEOLOGY**

**LAND WEST OF TANGMERE, WEST SUSSEX:  
ARCHAEOLOGICAL WATCHING BRIEF REPORT**

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**Site Code:** WSTA19

**Central NGR:** 489800 106500

**Commissioning Agent:** Terence O'Rourke Ltd, for Countryside Properties (UK) Ltd

**Written/Researched by:** Gareth Howland PCA Winchester

**Project Manager:** Paul McCulloch PCA Winchester

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**March 2019**

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## DOCUMENT VERIFICATION

**Site Name: Land West of Tangmere, West Sussex**

**Type of project: Watching Brief**

**Report: R13632**

<b>Pre-Construct Archaeology Limited Project Code: K6055</b>		
	<b>Name &amp; Title</b>	<b>Date</b>
<b>Text Prepared by:</b>	<b>G. Howland</b>	<b>28/03/2019</b>
<b>Graphics Prepared by:</b>		
<b>Graphics Checked by:</b>		
<b>Project Manager:</b>	<b>P. McCulloch</b>	<b>28/03/2019</b>

<b>Revision No.</b>	<b>Date</b>	<b>Checked</b>	<b>Approved</b>

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**FIGURE: Proposed Exploratory Hole Location Plan (Peter Brett Associates)**

## **1 ABSTRACT**

Pre-Construct Archaeology Ltd was appointed by Terence O'Rourke Ltd, on behalf of Countryside Properties (UK) Ltd to carry out an archaeological watching brief at Land West of Tangmere, West Sussex. The Site is the subject of a proposed development currently in the pre-application stages.

The watching brief was carried out following advice provided to Terence O'Rourke Ltd by James Kenny, Chichester District Archaeological Officer, and comprised monitoring and recording of a geotechnical investigation. The watching brief forms part of a staged approach to understanding the archaeological implications of the proposed development. The geotechnical investigation was carried out by CC Ground Investigations Ltd for Peter Brett Associates LLP. The watching brief was carried between the 11th and 14th of March 2019.

The geotechnical investigations revealed a general deposit sequence for the Site, with a relatively shallow topsoil coverage and an underlying geology consistent with what is known of the Pleistocene / early Holocene sequence in the vicinity. Though no significant archaeological remains or features were observed during the monitored works, which, by their nature, afford limited scope for revealing archaeological remains, there is potential for these to survive across the Site; no significant evidence for truncation of the site and, thereby, loss of its archaeological potential, was observed.

## **2 INTRODUCTION**

### **2.1 Project Background**

2.1.1 Pre-Construct Archaeology Ltd (PCA) was appointed by Terence O'Rourke Ltd, on behalf of Countryside Properties (UK) Ltd to carry out an archaeological watching brief at Land West of Tangmere, West Sussex, hereafter 'the Site', NGR 489800 106500 (see attached **Figure**: client drawing for the location of all investigations). The Site is the subject of a proposed development currently in the pre-application stages.

2.1.2 The watching brief was carried out following advice provided to Terence O'Rourke Ltd by James Kenny, Chichester District Archaeological Officer, and comprised monitoring and recording of a geotechnical investigation. The watching brief forms part of a staged approach to understanding the archaeological implications of the proposed development.

2.1.3 The geotechnical investigation was carried out by CC Ground Investigations Ltd for Peter Brett Associates LLP.

2.1.4 The watching brief was carried between the 11th and 14th of March 2019. This document provides a report on the results of the watching brief and has been prepared in accordance with the Chartered Institute for Archaeologists standard and guidance for archaeological watching briefs (ClfA 2014) and Management of Research Projects in the Historic Environment (Historic England, 2015)

### **2.2 Location, Topography and Geology**

2.2.1 The Site is located to west of the village of Tangmere, West Sussex. The Site covers an area of approximately 75ha. The Site is bordered on its eastern side by the village of Tangmere, the A27 along its northern edge, Tangmere road along the southern edge and by Copse farm and fields along its western side.

2.2.2 Two bedrock geological formations are present on the Site; Lambeth Group - Clay, Silt and Sand in the north of the Site and a small outcrop of London Clay Formation - Clay, Silt and Sand in the south.

2.2.3 The bedrock deposits are overlain by a mixture of superficial deposits; Head - Gravel, Sand, Silt and Clay, Alluvial Fan Deposits - Gravel, Sand, Silt and Clay, Raised Storm Beach Deposits, 2 – Gravel. River Terrace Deposits (undifferentiated) - Sand, Silt and Clay (<http://mapapps.bgs.ac.uk/geologyofbritain/home.html>).

### **2.3 Archaeological and Historical Background**

2.3.1 The Site is situated in an area of high archaeological potential, with sites, findspots and monuments from a wide range of periods represented in and around the Site and recorded in the Chichester District Historic Environment Record.

- 2.3.2 Finds indicating prehistoric flint working have been recovered from the Site along with evidence for significant Bronze Age, Iron Age and Romano-British activity. These findspots and a recent geophysical survey (Terence O'Rourke, 2019) appear to indicate that the Site contains widespread and important archaeological remains.

### **3 AIM**

#### **3.1 Archaeological watching brief**

- 3.1.1 The aim of the archaeological watching brief was to monitor the geotechnical investigation in order to:

- Investigate and record archaeological remains if revealed by the geotechnical investigation.
- Record, where possible, deposits at depth that may indicate the geoarchaeological potential of the Site

- 3.1.2 The aim of this report is to present the results of the watching brief and inform subsequent stages of archaeological works as may be carried out in connection with the proposed development of the Site.

### **4 RESULTS**

#### **4.1 Introduction**

- 4.1.1 The following presents a summary of the watching brief results based upon the Site archive, which comprises a Site diary, written and sketched records and digital photographs. A tabulated summary of deposits recorded in the geotechnical test pits is provided in **Appendix 1** and photographs illustrating the geotechnical works appear in **Appendix 2**. CC Ground Investigations Ltd bore hole and test pit logs are provided in **Appendix 3**. The Site archive is held at PCA's Winchester office under the Site code **WSTA19** and will in due course be deposited with The Novium, Chichester.

- 4.1.2 The watching brief included monitoring the excavation of the 16 proposed test pits across the Site and two additional test pits (TP117 & TP118) in the south-eastern part of the Site. These were mechanically excavated using a JCB excavator.

#### **4.2 Summary of Deposition Sequence**

- 4.2.1 A general sequence of deposits was observed across the Site, with some variation within and between the test pits. Plates 1-3 (**Appendix 2**) show examples of the deposits revealed in test pits 102, 103 and 111.

- 4.2.2 Topsoil coverage across the Site ranged from 0.24m to 0.55m thickness. It contained occasional gravel inclusions, presumably resulting from ploughing. A subsoil was present in only five of the test pits, 105, 106, 110, 113 and 115 and comprised brown silty clay.

- 4.2.3 The underlying natural deposits observed in the test pits can be divided into two groups:
1. Alternating layers of brown and grey silty clays and flint gravels between 0.3m and 4m below ground level. Interpreted as Late Pleistocene/Holocene, soliflucted brickearth.
  2. Layers of chalky silt-clay and gravel recorded in TPs: 104-106, 109-115 and 117-118). Seen with its surface at depths ranging from 0.3m-2.3m BGL and its base up to depths of at least 2m-3.8m BGL. Interpreted as possible Late Pleistocene, cryoturbated and soliflucted chalk mixed with brickearth.

4.2.4 The geotechnical investigation included the formation of four boreholes. Borehole 101 appears to have encountered bedrock chalk at 18.3m while “structureless’ chalk was encountered in boreholes 201 and 202 at 13.3m and 7.2m respectively. Borehole 203 was completed at 8m and did not encounter chalk at that depth. All the boreholes recorded a sequence of predominated by clays, with gravel and sand components also present. These deposits are consistent with the test pit observations.

4.2.5 No marine deposits were observed in the test pits

### **4.3 Archaeological Features**

4.3.1 No significant archaeological deposits, features or finds were observed. It was noted that there was a fair amount of burnt flint on the surface around test pit 113 in the southern part of the Site. Fragmented ceramic building material was observed across most of the Site.

### **4.4 Conclusion**

4.4.1 The geotechnical investigations revealed a general deposit sequence for the Site, with a relatively shallow topsoil coverage and an underlying geology consistent with what is known of the Pleistocene / early Holocene sequence in the vicinity. Though no significant archaeological remains or features were observed during the monitored works, which, by their nature, afford limited scope for revealing archaeological remains, there is potential for these to survive across the Site; no significant evidence for truncation of the site and, thereby, loss of its archaeological potential, was observed.



## **5 ARCHIVE PREPARATION AND DEPOSITION**

### **5.1 The Site Archive**

5.1.1 The Site archive, to include all project records and cultural material produced by the project, will be prepared in accordance with 'Guidelines for the Preparation of Excavation Archives for Long-term Storage' (UKIC 1990) and the Institute for Archaeologists 'Standard and Guidance for the creation, compilation, transfer and deposition of archaeological archives' (CIfA 2014). On completion of the project PCA will arrange for the archive to be deposited with The Novium, Chichester.

### **5.2 Copyright**

5.2.1 The full copyright of the written/illustrative archive relating to the Site will be retained by Pre-Construct Archaeology Ltd under the Copyright, Designs and Patents Act 1988 with all rights reserved. The Novium, Chichester however, will be granted an exclusive licence for the use of the archive for educational purposes, including academic research, providing that such use shall be non-profitmaking, and conforms to the Copyright and Related Rights regulations 2003. Further distribution and uses of the report either in its entirety or part thereof in paper or electronic form is prohibited without the prior consent of Pre-Construct Archaeology Ltd.

5.2.2 The licence extends to the use of all documents arising from this project in all matters relating directly to the project, as well as for bona fide research purposes (which includes the HER).

5.2.3 Pre-Construct Archaeology Ltd has made every effort to ensure the accuracy of the content of this report. However, Pre-Construct Archaeology Ltd cannot accept any liability in respect of, or resulting from, errors, inaccuracies or omissions this report contains.

## **6 ACKNOWLEDGMENTS**

Pre-Construct Archaeology is grateful to Terence O'Rourke Ltd for commissioning the watching brief on behalf of Countryside Properties (UK) Ltd. The watching brief was undertaken by Gareth Howland. This report was prepared by Gareth Howland. The project was managed for PCA by Paul McCulloch.

## **7 REFERENCES**

Terence O'Rourke, 2019, Land West of Tangmere: Brief for Archaeological Trench Evaluation

## APPENDIX 1: GEOTECHNICAL TEST PITS

<b>Trial Pit No.</b>	<b>Type</b>	<b>Description</b>	<b>Max Depth (m) BGL</b>
<b>101</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.3</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub- angular flint gravel</b>	<b>0.42</b>
	<b>Layer</b>	<b>Light orangish brown silty clay.</b>	<b>0.9</b>
	<b>Layer</b>	<b>Light orangish brown silty clay.</b>	<b>1.9</b>
	<b>Layer</b>	<b>pink mottled grey silty clay.</b>	<b>2.7</b>
<b>102</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.4</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub- angular flint gravel</b>	<b>0.56</b>
	<b>Layer</b>	<b>Light orangish brown silty clay.</b>	<b>2.2</b>
<b>103</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.42</b>
	<b>Layer</b>	<b>Light brown silty clay.</b>	<b>0.7</b>
	<b>Layer</b>	<b>Light brown silty clay. Freq. sub-angular flint gravel.</b>	<b>2.2</b>
	<b>Layer</b>	<b>Light pinkish brown silty clay.</b>	<b>2.8</b>
	<b>Layer</b>	<b>Light orangish brown silty sandy clay.</b>	<b>3</b>
	<b>Layer</b>	<b>Light brown silty clay. Freq. sub-angular flint gravel.</b>	<b>4</b>
<b>104</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.3</b>
	<b>Layer</b>	<b>Light brown silty clay.</b>	<b>0.8</b>
	<b>Layer</b>	<b>Grey silty clay. Occ. sub- angular flint gravel and freq. sub-angular chalk.</b>	<b>2</b>

<b>105</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.26</b>
	<b>Subsoil</b>	<b>Mid orangish brown silty clay.</b>	<b>0.6</b>
	<b>Layer</b>	<b>Light brown silty clay. Occ. sub-angular flint gravel and Freq. sub-angular chalk.</b>	<b>0.65</b>
	<b>Layer</b>	<b>Grey silty clay. Occ. sub- angular flint gravel and freq. sub-angular chalk.</b>	<b>2.7</b>
<b>106</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.24</b>
	<b>Subsoil</b>	<b>light brown silty sandy clay.</b>	<b>0.45</b>
	<b>Layer</b>	<b>Light brown silty clay. Freq. sub-angular flint gravel.</b>	<b>0.6</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub- angular flint gravel and chalk.</b>	<b>2</b>
<b>107</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.42</b>
	<b>Layer</b>	<b>Light brown silty clay.</b>	<b>0.9</b>
	<b>Layer</b>	<b>Light brown silty clay. Freq. sub-angular flint gravel.</b>	<b>1.7</b>
	<b>Layer</b>	<b>Grey silty clay.</b>	<b>3.1</b>
<b>108</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.54</b>
	<b>Layer</b>	<b>Light brown silty clay.</b>	<b>0.9</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub-angular flint gravel.</b>	<b>2</b>
<b>109</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.1</b>
	<b>Layer</b>	<b>Light brown silty sandy clay. Freq. sub- angular flint gravel.</b>	<b>0.3</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub- angular flint gravel and chalk.</b>	<b>3.8</b>
<b>110</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.3</b>
	<b>Subsoil</b>	<b>Mid brown silty clay.</b>	<b>0.45</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub- angular flint gravel.</b>	<b>0.5</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub- angular flint gravel and chalk.</b>	<b>2.6</b>

<b>111</b>	<b>Topsoil</b>	<b>Dark brown silty clay.</b>	<b>0.3</b>
	<b>Layer</b>	<b>Light brown silty clay.</b>	<b>1.3</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub- angular flint gravel.</b>	<b>1.56</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub- angular flint gravel and chalk.</b>	<b>2</b>
<b>112</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.3</b>
	<b>Layer</b>	<b>Grey silty clay.</b>	<b>0.6</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub- angular flint gravel and chalk.</b>	<b>2</b>
<b>113</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay. Occ. burnt flint</b>	<b>0.4</b>
	<b>Subsoil</b>	<b>Light yellowish-brown silty clay.</b>	<b>0.56</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub- angular flint gravel and chalk.</b>	<b>2</b>
<b>114</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.3</b>
	<b>Layer</b>	<b>Light brown silty clay.</b>	<b>0.8</b>
	<b>Layer</b>	<b>Grey silty clay. Freq. sub- angular flint gravel and chalk.</b>	<b>2.8</b>
<b>115</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.22</b>
	<b>Subsoil</b>	<b>Greyish brown silty clay.</b>	<b>0.53</b>
	<b>Layer</b>	<b>Grey silty clay. Occ. sub- angular flint gravel and chalk.</b>	<b>2.8</b>
<b>116</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.55</b>
	<b>Layer</b>	<b>Greyish brown silty clay.</b>	<b>0.7</b>
	<b>Layer</b>	<b>Greyish brown silty clay. Freq. sub- angular flint gravel.</b>	<b>2.5</b>
<b>117</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.4</b>
	<b>Layer</b>	<b>Greyish brown silty clay. Freq. sub- angular flint gravel.</b>	<b>0.7</b>
	<b>Layer</b>	<b>Light brown silty clay. Freq. sub- angular flint gravel.</b>	<b>1.4</b>

	<b>Layer</b>	<b>Grey silty clay. Occ. sub- angular flint gravel and chalk.</b>	<b>2.7</b>
<b>118</b>	<b>Topsoil</b>	<b>Dark brown silty sandy clay.</b>	<b>0.3</b>
	<b>Layer</b>	<b>Light brown silty clay.</b>	<b>1.1</b>
	<b>Layer</b>	<b>Light brown silty clay. Freq. sub- angular flint gravel.</b>	<b>1.5</b>
	<b>Layer</b>	<b>Grey silty clay. Occ. sub- angular flint gravel.</b>	<b>2.3</b>
	<b>Layer</b>	<b>Grey silty clay. Occ. sub- angular flint gravel and chalk.</b>	<b>3.8</b>

## APPENDIX 2: PLATES



Plate 1 Test Pit 102



Plate 2 Test Pit 103



Plate 3 Test Pit 111



## **APPENDIX 3: BOREHOLE AND TEST PIT LOGS**

**Prepared by CC Ground Investigations Ltd**

# BOREHOLE LOG



Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere		Project No: <b>C6257</b>	Co-ords: E N	Hole Type CP
Location: Chichester			Level: mAOD	Scale 1 : 50.00
Client: Countrywide Properties			Dates: Start: 07/03/2019 End: 14/03/2019	Logged By MMO/ST

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAOD)	Legend
		No/Type	Depth (m)	Result						
1		B	0.20 - 0.35			TOPSOIL: Soft brown slightly gravelly slightly sandy silty CLAY with occasional <2mm rootlets. Gravel is sub-angular to angular fine to medium of flint and chalk.	0.35			
		ES	0.20							
		B	0.35 - 0.60			Firm orangish brown slightly gravelly slightly sandy silty CLAY. Gravel is sub-angular to angular fine to medium of flint and chalk.	(0.65)			
		D	0.50	60						
		H	0.60							
2		B	1.00 - 1.20			Stiff brown slightly gravelly slightly sandy silty CLAY. Gravel is sub-angular to angular fine to coarse of flint and chalk.	1.00			
		D	1.10	S 16			(0.75)			
		B	1.20 - 1.70							
3		SPT	1.20 - 1.65							
		D	1.80			Medium dense light brown clayey sandy sub-angular to angular fine to coarse GRAVEL of flint and chalk.	1.75			
4		B	2.20 - 2.70				(1.00)			
		SPT	2.20 - 2.65	S 14						
5		D	2.80			Medium dense light brown clayey very sandy sub-angular to angular fine to coarse GRAVEL of flint and chalk with occasional <50mm pockets of brown slightly sandy clay.	2.75			
		B	3.20 - 3.40				(0.65)			
6		SPT	3.20 - 3.65	S 8						
		B	3.40 - 3.70			Firm brown slightly gravelly sandy silty CLAY. Gravel is sub-angular to angular fine to medium of chalk.	3.40			
7		B	3.70 - 4.20			Dense brown clayey sandy sub-angular to angular fine to coarse GRAVEL of flint and chalk.	3.70			
		B	4.20 - 4.70				(1.00)			
8		SPT	4.20 - 4.65	S 42						
		B	5.20 - 5.70			Firm brown slightly gravelly slightly sandy silty CLAY. Gravel is sub-angular to angular fine of flint.	4.70			
9		SPT C	5.20 - 5.65	C 15			(1.30)			
		D	5.80							
10		B	6.00 - 6.50			Firm orangish brown slightly gravelly slightly sandy silty CLAY. Gravel is sub-angular to angular fine to medium of flint.	6.00			
		UT100	6.50 - 6.95				(1.30)			
11		D	6.95							
		D	7.50			Firm orangish brown mottled light grey slightly gravelly slightly sandy silty CLAY. Gravel is sub-angular to angular fine to medium of flint.	7.30			
						(0.70)				

EQUIPMENT: Light cable percussion rig.  
 METHOD: Hand dug inspection pit: 0.00-1.20m. Cable percussion drilled using 200mm diameter clay cutter and bailer 1.20-16.50m and 150mm diameter clay cutter and bailer 16.50-19.20m.  
 CASING: 200mm diam to 16.50m, 150mm to 18.70m.  
 GROUNDWATER: Encountered at 3.70m, no rising recorded after 20 minutes. Further strikes at 7.80m, rose to 7.20m after 20 minutes and at 9.50m, rose to 3.40m after 5 minutes and then stable after 20 minutes.  
 INSTALLATION: Backfilled with bentonite pellet: 7.00-19.20m. 50mm ID HDPE slotted pipe with washed gravel response zone: 1.00-7.00m. 50mm ID HDPE plain pipe with bentonite pellet seal: 0.20-1.00m. Raised borehole helmet set in concrete: 0.00-0.20m. Gas valve fitted.  
 REMARKS: Driller noted slow progress 13.00-19.20m. Chiseling from 18.50-19.20m.

**Groundwater:**

Date	Strike Depth (m)	Casing Depth (m)	Depth After Observation (m)
07/03/19	3.70	1.50	3.70
08/03/19	7.80	6.00	7.20
08/03/19	9.50	9.00	

**Hole Progress:**

Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)
07/03/2018 17:00	4.70	4.50	3.70



# BOREHOLE LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere		Project No: <b>C6257</b>	Co-ords: E N	Hole Type CP
Location: Chichester		Level: mAOD		Scale 1 : 50.00
Client: Countrywide Properties		Dates: Start: 07/03/2019 End: 14/03/2019		Logged By MMO/ST

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result						
		B SPT	8.00 - 8.50	S 13		Firm light grey slightly gravelly silty CLAY. Gravel is sub-angular to angular fine of flint.	8.00			
						Stiff dark bluish grey CLAY with frequent black speckling and organic odour.	8.35			
9		B	9.00 - 9.50				(1.45)			
		UT100	9.50 - 9.95							
		B	9.80 - 10.30			Dense light brown silty sandy sub-angular to angular fine to coarse GRAVEL of flint and chalk.	9.80			
10		B SPT C	10.50 - 11.00 10.50	C 35						
11		D	11.50							
12		B SPT C	12.00 - 12.50 12.00 - 12.45	C 32						
13		D	13.00							
14		B SPT C	13.50 - 14.00 13.50 - 13.95	C 33			(7.40)			
15		B SPT C	15.00 - 15.50 15.00 - 15.45	C 38						
16		D	15.80			15.80-16.00m: Stiff reddish brown slightly sandy CLAY.				
		B	16.00 - 16.50							
17		B SPT C	16.50 - 17.00 16.50 - 16.95	C 45						
		B	17.30 - 17.80			Stiff red mottled green, grey and yellow CLAY	17.20			

**Groundwater:**

Date	Strike Depth (m)	Casing Depth (m)	Depth After Observation (m)
			3.40

**Hole Progress:**

Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)
08/03/2018 16:00	9.95	9.00	3.40
11/03/2018 17:00	15.00	15.00	5.60



# BOREHOLE LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere		Project No: <b>C6257</b>	Co-ords: E N	Hole Type CP
Location: Chichester		Level: mAOD		Scale 1 : 50.00
Client: Countrywide Properties		Dates: Start: 07/03/2019 End: 14/03/2019	Logged By MMO/ST	

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result						
18		U100	18.00 - 18.45			Stiff red mottled green, grey and yellow CLAY (continued from previous sheet)	(1.10)			
		D	18.45 - 18.50			CHALK recovered as white sandy angular to rounded fine to coarse GRAVEL. Clasts are medium strong, medium density, white locally cream with locally frequent black speckling. Rare gravel sized flints. (Grade Dc)	18.30			
		B	18.50 - 19.00				(0.90)			
19		B SPT C	19.00 - 19.20 19.00 - 19.14	C*214		Borehole completed at 19.20m	19.20			
20										
21										
22										
23										
24										
25										
26										
27										

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**Groundwater:**

Date	Strike Depth (m)	Casing Depth (m)	Depth After Observation (m)
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**Hole Progress:**

Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)
12/03/2018 08:00	18.50	18.00	3.10
12/03/2018 17:00	18.50	18.00	
13/03/2018 17:00	19.20	18.70	



# BOREHOLE LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N	Hole Type CP
Location: Chichester		Level: mAOD	Scale 1 : 50.00
Client: Countrywide Properties		Dates: Start: 06/03/2019 End: 08/03/2019	Logged By MMO

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAOD)	Legend
		No/Type	Depth (m)	Result						
1		B	0.20 - 0.30			TOPSOIL: Soft dark brown slightly gravelly slightly sandy silty CLAY with occasional <1mm rootlets. Gravel is sub-angular to angular fine to medium of flint and chalk.	0.35			
		ES	0.20				Light brown and light grey slightly silty slightly sandy angular to rounded medium to coarse GRAVEL of flint and chalk.			
		B	0.35 - 0.40							
		ES	0.50							
		B	0.60 - 1.00							
2		SPT C	1.20 - 1.65	C 12		Firm yellowish brown slightly sandy slightly gravelly CLAY. Gravel is angular to sub-angular fine to medium of flint.	1.40			
		B	1.40 - 1.60				Firm light brown slightly gravelly sandy CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint and siliceous material.			
		B	2.00 - 2.20							
3		SPT	2.20 - 2.65	S 19		Stiff reddish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is sub-angular fine to medium of flint.	3.00			
		B	3.00 - 3.20							
4		SPT	3.20 - 3.65	S 15		Stiff dark purplish brown mottled grey slightly sandy CLAY.	4.80			
		B	4.00 - 4.20							
		UT100	4.20 - 4.50							
5		D	4.50			Stiff grey mottled reddish reddish brown slightly sandy CLAY.	7.10			
		B	5.00 - 5.20							
6		SPT	5.50 - 5.95	S 18		(continued on next sheet)	7.80			
		UT100	7.50 - 7.95							
7		B	7.00 - 7.20							
8		UT100	7.50 - 7.95							

EQUIPMENT: Light cable percussion rig.  
 METHOD: Hand dug inspection pit: 0.00-1.20m. Cable percussion drilled using 200mm diameter clay cutter and bailer 1.20-4.50m and 150mm diameter clay cutter and bailer 4.50-15.00m.  
 CASING: 200mm diam to 4.50m, 150mm diam to 15.00m.  
 GROUNDWATER: Encountered at 0.35m, rose to 0.28m after 20 minutes. Further strike at 13.10m, rose to 4.10m after 20 minutes.  
 INSTALLATION: 50mm ID HDPE slotted pipe with washed gravel response zone: 15.00-13.00m. 50mm ID HDPE plain pipe with bentonite pellet seal: 0.20-13.00m.  
 Raised borehole helmet set in concrete: 0.00-0.20m. Gas valve fitted.  
 REMARKS: Driller noted slow progress 12.00-15.00m.

**Groundwater:**

Date	Strike Depth (m)	Casing Depth (m)	Depth After Observation (m)
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**Hole Progress:**

Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)
06/03/2019 17:00	1.20		0.45
07/03/2019 08:00	1.20		0.45



# BOREHOLE LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere		Project No: <b>C6257</b>	Co-ords: E N	Hole Type CP
Location: Chichester		Level: mAOD		Scale 1 : 50.00
Client: Countrywide Properties		Dates: Start: 06/03/2019 End: 08/03/2019		Logged By MMO

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result						
		D	7.95							
		B	8.00 - 8.20			Stiff thinly laminated grey slightly sandy CLAY with thin lenses of yellowish brown slightly sandy clay <1.5mm. (continued from previous sheet)	(1.90)			
9		B SPT	9.00 - 9.20 9.00 - 9.45	S 26						
		B	9.80 - 10.00			Stiff grey mottled reddish reddish brown slightly sandy CLAY.	9.70			
10		UT100	10.00 - 10.40							
		D	10.40				(2.15)			
11		B	11.00 - 11.20							
		SPT	11.50 - 11.95	S 50		11.50-11.85m: Very stiff.				
12						Very stiff grey mottled reddish brown and yellowish brown slightly sandy slightly gravely CLAY. Gravel is sub-angular fine to medium of flint and chalk.	11.85			
							(1.45)			
13		B SPT	13.00 - 13.10 13.00 - 13.42	S*56						
		B	13.50 - 13.70			Structureless CHALK composed of cream and white slightly silty sandy GRAVEL. Clasts are weak, low density, white locally speckled black with occasional fine to medium gravel sized rimmed flints (Grade Dc).	13.30			
14							(1.70)			
		B SPT	14.30 - 14.50 14.50 - 14.61	S*333						
15						Borehole completed at 15.00m	15.00			
16										
17										

**Groundwater:**

Date	Strike Depth (m)	Casing Depth (m)	Depth After Observation (m)
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**Hole Progress:**

Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)
07/03/2019 17:00	11.50	4.50	4.50
08/03/2019 08:00	11.50	4.50	4.50
08/03/2019 17:00	15.00	15.00	4.20



# BOREHOLE LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere		Project No: <b>C6257</b>	Co-ords: E N	Hole Type CP
Location: Chichester		Level: mAOD		Scale 1 : 50.00
Client: Countrywide Properties		Dates: Start: 11/03/2019 End: 12/03/2019	Logged By MMO	

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result						
1	1	B	0.00 - 0.20			TOPSOIL: Soft dark greyish brown slightly gravelly slightly sandy silty CLAY with occasional <1mm rootlets. Gravel is angular to sub-angular fine to medium of flint and siliceous material. Firm orangish brown mottled greyish brown slightly sandy slightly gravelly CLAY. Gravel is angular to sub-angular fine to medium of flint. 0.60-0.90m: Gravel is fine to coarse. 0.80m: Rounded greyish brown cobble of siliceous material. Firm yellowish brown slightly gravelly sandy CLAY. Gravel is angular to sub-angular fine to medium of flint.	0.25			
		ES	0.20		(0.65)					
		ES	0.50		0.90					
2	2	B	1.00 - 1.20			Firm grey mottled red and yellow CLAY. Stiff red mottled grey and yellow CLAY.	1.20			
		B	1.20 - 1.40	C 11						
		SPT C	1.20 - 1.65		(1.20)					
3	3	B	2.00 - 2.20			Firm grey mottled red and yellow CLAY. Stiff red mottled grey and yellow CLAY.	2.10			
		SPT	2.20 - 2.65	S 7						
					2.30					
4	4	B	3.00 - 3.20			Stiff greyish yellow mottled grey slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to medium of flint and chalk. Structureless CHALK recovered as yellowish brown and white slightly sandy slightly gravelly SILT. Gravel is weak, low density, white and sub-rounded with rare flints. (Grade Dm)	3.20			
		UT100	3.20							
					(4.60)					
5	5	B	4.00 - 4.20			Stiff greyish yellow mottled grey slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to medium of flint and chalk. Structureless CHALK recovered as yellowish brown and white slightly sandy slightly gravelly SILT. Gravel is weak, low density, white and sub-rounded with rare flints. (Grade Dm)	4.20			
		SPT	4.20 - 4.65	S 22						
					(4.60)					
6	6	B	5.00 - 5.20			Stiff greyish yellow mottled grey slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to medium of flint and chalk. Structureless CHALK recovered as yellowish brown and white slightly sandy slightly gravelly SILT. Gravel is weak, low density, white and sub-rounded with rare flints. (Grade Dm)	5.20			
		UT100	5.20 - 5.60							
					(4.60)					
7	7	D	5.60			Stiff greyish yellow mottled grey slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to medium of flint and chalk. Structureless CHALK recovered as yellowish brown and white slightly sandy slightly gravelly SILT. Gravel is weak, low density, white and sub-rounded with rare flints. (Grade Dm)	5.60			
		B	6.00 - 6.20							
					(4.60)					
8	8	SPT	6.50 - 6.95	S 29		Stiff greyish yellow mottled grey slightly sandy slightly gravelly CLAY. Gravel is sub-angular to rounded fine to medium of flint and chalk. Structureless CHALK recovered as yellowish brown and white slightly sandy slightly gravelly SILT. Gravel is weak, low density, white and sub-rounded with rare flints. (Grade Dm)	6.90			
		B	6.80 - 7.00							
					7.20					

EQUIPMENT: Light cable percussion rig.  
 METHOD: Hand dug inspection pit: 0.00-1.20m. Cable percussion drilled using 200mm diameter clay cutter and bailer 1.20-7.50m and 150mm diameter clay cutter and bailer 7.50-15.00m.  
 CASING: 200mm diam to 7.50m, 150mm diam to 12.00m.  
 GROUNDWATER: Encountered at 0.90m, rose to 0.80m after 20 minutes. Further strike at 3.20m (no rise recorded), third strike at 7.40m, rose to 6.70m after 20 minutes.  
 INSTALLATION: 50mm ID HDPE slotted pipe with washed gravel response zone: 7.50-12.00m. 50mm ID HDPE plain pipe with bentonite pellet seal: 0.20-7.50m.  
 Raised borehole helmet set in concrete: 0.00-0.20m. Gas valve fitted.  
 REMARKS: UT100 3.20-3.65m; no recovery.

**Groundwater:**

Date	Strike Depth (m)	Casing Depth (m)	Depth After Observation (m)
11/03/19	0.90		0.80
11/03/19	3.20	3.20	3.20
11/03/19	7.40	7.40	6.70

**Hole Progress:**

Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)
11/03/19	0.90		0.80
11/03/19	3.20	3.20	3.20
11/03/19	7.40	7.40	6.70



# BOREHOLE LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N	Hole Type CP
Location: Chichester		Level: mAOD	Scale 1 : 50.00
Client: Countrywide Properties		Dates: Start: 11/03/2019 End: 12/03/2019	Logged By MMO

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAOD)	Legend
		No/Type	Depth (m)	Result						
		B	8.00 - 8.20	S 47		Structureless CHALK recovered as yellowish brown and white slightly sandy slightly gravelly SILT. Gravel is weak, low density, white and sub-rounded with rare flints. (Grade Dm) <i>(continued from previous sheet)</i>	(2.50)			
		SPT	8.00 - 8.45							
9		B	9.00 - 9.20			Structureless CHALK recovered as slightly sandy silty angular and sub-angular fine to coarse GRAVEL. Clasts are weak, medium density, white. Matrix is white locally stained yellow. Rare flints (Grade Dc).	9.70			
		SPT	9.50 - 9.95	S 16						
10		B	10.50 - 10.70			Borehole completed at 12.00m	(2.30)			
		SPT	11.00 - 11.45	S 18						
11		B	11.50 - 11.70							
		SPT	12.00 - 12.45	S 54			12.00			
12										
13										
14										
15										
16										
17										

**Groundwater:**

Date	Strike Depth (m)	Casing Depth (m)	Depth After Observation (m)
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**Hole Progress:**

Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)
11/03/2019 17:00	9.50	9.50	6.10
12/03/2019 08:00	9.50	9.50	5.70
12/03/2019 17:00	12.00	12.00	5.90





# BOREHOLE LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere		Project No: <b>C6257</b>	Co-ords: E N	Hole Type CP
Location: Chichester			Level: mAOD	Scale 1 : 53.13
Client: Countrywide Properties			Dates: Start: 13/03/2019 End: 13/03/2019	Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result						
1		B	0.10 - 0.40				TOPSOIL: Grass over brown sandy slightly gravelly CLAY with occasional rootlets (<1mm). Gravel is angular to sub-angular fine to coarse of flint.	(0.45)		
		ES	0.40				Brown sandy very clayey angular to sub-angular fine to coarse GRAVEL of flint.	0.45		
		B	0.50 - 0.80					(0.70)		
		ES	0.70							
2		B	0.90 - 1.20				Firm light brown slightly sandy gravelly CLAY. Gravel is angular to rounded fine to coarse of flint.	1.15		
		SPT C	1.20 - 1.65	C 10				(1.25)		
3	1.1	B	2.00 - 2.20				Stiff yellowish brown and light greyish brown slightly sandy gravelly CLAY. Gravel is angular to sub-rounded fine to coarse of flint.	2.40		
		SPT	2.20 - 2.65	S 21						
4		B	3.00 - 3.20							
		SPT C	3.20 - 3.65	C 16				(2.00)		
5		B	4.00 - 4.20				Yellowish brown slightly sandy slightly clayey angular to sub-rounded fine to coarse GRAVEL of flint.	4.40		
		SPT C	4.20 - 4.65	C 16				(0.50)		
6	2.2	B	4.40 - 4.60				Firm yellowish brown and light greyish brown slightly sandy gravelly CLAY. Gravel is angular to sub-rounded fine to coarse of flint.	4.90		
		SPT	5.20 - 2.65	S 14				(0.60)		
7		B	5.00 - 5.20				Firm grey gravelly silty CLAY. Gravel is sub-rounded to rounded fine of flint and rare chalk.	5.50		
		SPT	5.20 - 2.65							
8	3.1	B	6.00 - 6.20					(1.40)		
		UT100	6.50 - 6.95							
8		D	6.95				Firm greenish grey and grey slightly sandy slightly gravelly SILT with occasional pockets of silty sand and silty sandy gravel. Gravel is sub-rounded to rounded fine of flint and rare chalk.	6.90		
		B	7.40 - 7.50					(0.90)		
8	3.1	B	7.80 - 8.00				Light green locally grey silty clayey fine to medium SAND.	7.80		
		SPT	8.00 - 8.45	S 28				8.00		
							Borehole completed at 8.00m			

EQUIPMENT: Light cable percussion rig.  
 METHOD: Hand dug inspection pit: 0.00-1.20m. Cable percussion drilled using 200mm diameter clay cutter and bailer 1.20-8.00m.  
 CASING: 200mm diam to 8.00m.  
 GROUNDWATER: Encountered at 2.90m, no rise recorded, second strike encountered at 8.00m, rose to 6.10m after 20 minutes.  
 INSTALLATION: Bentonite pellets seal; 5.00-8.00m. 50mm ID HDPE slotted pipe with washed gravel response zone: 1.00-5.00m. 50mm ID HDPE plain pipe with bentonite pellet seal: 0.20-1.00m. Raised borehole helmet set in concrete: 0.00-0.20m. Gas valve fitted.

**Groundwater:**

Date	Strike Depth (m)	Casing Depth (m)	Depth After Observation (m)
13/03/19	2.90	2.90	2.90
13/03/19	8.00	8.00	6.10

**Hole Progress:**

Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)
13/03/2019 17:00	8.00	5.50	



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 14/03/2019
Location: Chichester	Dimensions: 3.30m Depth 2.70m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1	↓	B ES	0.20		TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY with rare rootlets (<3mm). Gravel is sub-angular fine to medium of flint.	(0.30)		
					Light brown slightly sandy silty angular fine to coarse GRAVEL of flint and chalk.	0.30		
		B ES	0.50			(0.50)		
					Soft light brown and orangish brown slightly gravelly slightly sandy silty CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint and chalk.	0.80		
2		B ES	1.00			(1.30)		
3		B	2.10		Stiff pink mottled light grey and off white slightly sandy silty CLAY.	2.10		
						(0.60)		
4		B D	2.70		Trial pit completed at 2.70m	2.70		

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 1.20m.  
 STABILITY: Trial pit generally unstable and collapsing below 0.40m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Excavation terminated at 2.70m due to instability.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 14/03/2019
Location: Chichester	Dimensions: 2.20m Depth 2.20m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1		B ES	0.20		TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY with rare rootlets (<3mm). Gravel is angular to sub-angular fine to medium of flint and chert.	(0.30)		
		B ES	0.50		Stiff light brown locally orangish brown slightly sandy slightly gravelly silty CLAY. Gravel is sub-rounded to rounded fine to coarse of flint.	0.30		
		B H	0.80	48	Stiff light brown and orangish brown slightly gravelly slightly sandy silty CLAY. Gravel is sub-rounded fine to coarse of flint and siliceous material.	0.80		
		B ES	1.00			(1.40)		
2		B D H	2.20	52	Trial pit completed at 2.20m	2.20		
3								
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 2.15m. Level of 2.15m observed on completion.  
 STABILITY: Trial pit generally unstable and collapsing below 0.90m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Soakaway test undertaken at 2.20m. See separate sheet.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 14/03/2019
Location: Chichester	Dimensions: 4.00m Depth 4.00m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1		B ES	0.20		TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY with rare rootlets (<3mm). Gravel is angular to sub-angular fine to medium of flint.	(0.35)		
		B ES	0.50		0.35-0.70m: Very thin beds (<20mm) of orange sand. Firm light brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to sub-angular fine to medium of flint and chert.	0.35 (0.35)		
		B ES	1.00		Firm light brown slightly sandy gravelly CLAY with rare pockets of organic material <5mm. Gravel is angular fine to coarse of flint, chalk and siliceous material.	0.70 (1.00)		
		B H	1.70	56	Stiff light brown locally pinkish brown slightly sandy slightly gravelly silty CLAY. Gravel is sub-angular fine to medium of flint.	1.70 (1.10)		
3		B D H	2.80	34	Stiff light brown and orangish brown slightly sandy slightly gravelly silty CLAY. Gravel is sub-angular to sub-rounded fine of flint.	2.80		
		B D	3.10			(1.00)		
4					Stiff light brown slightly sandy slightly gravelly silty CLAY with occasional pockets <5mm of organic material. Gravel is angular fine to coarse of flint and chalk.	3.80 (0.20)		

Trial pit completed at 4.00m

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Not encountered.  
 STABILITY: Trial pit sides remained stable throughout.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 14/03/2019
Location: Chichester	Client: Countrywide Properties	Dimensions: 4.00m Depth 4.00m	Scale 1 : 25
			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
		B D	4.00			4.00		
5								
6								
7								
8								
<p>EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.                      METHOD: Trial pits excavated using 0.60m bucket.                      GROUNDWATER: Not encountered.                      STABILITY: Trial pit sides remained stable throughout.                      BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.</p>								

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# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 13/03/2019
Location: Chichester	Dimensions: 3.50m Depth 2.00m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1		B	0.20		TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY with rare rootlets (<3mm). Gravel is angular to sub-angular fine to medium of flint and siliceous material.	(0.30)		
		B ES	0.50		Soft light brown slightly sandy silty gravelly CLAY with low cobble content. Gravel is sub angular fine to coarse of flint and chalk. Cobbles are sub-angular of flint. 0.50-0.85m: With medium cobble content of sub-angular flint.	0.30 (0.55)		
		B ES	1.00		Soft off-white and light greyish brown slightly sandy silty gravelly CLAY with low cobble content. Gravel is angular to sub-angular fine to coarse of flint and chalk. Cobbles are sub-angular of flint.	0.85 (1.15)		
2		D ES	2.00		Trial pit completed at 2.00m	2.00		2
3								3
4								4

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater not encountered.  
 STABILITY: Trial pit sides remained stable throughout.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Soakaway test undertaken at 2.00m. See separate sheet.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 13/03/2019
Location: Chichester	Dimensions: 3.90m Depth 2.70m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1	↓	B ES	0.20		TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY with rare rootlets (<3mm). Gravel is sub-angular to sub-rounded fine to medium of flint.	(0.40)		
		B ES	0.50		Firm light brown mottled orangish brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to sub-angular fine to medium of flint and chert.	0.40 (0.40)		
		B ES	1.00		Soft light greyish brown and off white slightly sandy slightly gravelly silty CLAY with low cobble content. Gravel is angular to sub-angular fine to coarse of flint and chalk. Cobbles are sub-angular of flint.	0.80 (1.40)		
		B D	2.30		2.20-2.70m: With occasional light brown clay interbeds <150mm. Soft light brown off-white slightly sandy slightly gravelly silty CLAY. Gravel is angular to sub-angular of flint and chert. 2.50-2.70m: Becoming gravelly with depth.	2.20 (0.50)		
		B D	2.70		Trial pit completed at 2.70m	2.70		
2								
3								
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 1.90m.  
 STABILITY: Trial pit generally unstable and collapsing below 1.90m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Excavation terminated at 2.70m due to instability.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 13/03/2019
Location: Chichester	Dimensions: 3.20m Depth 2.00m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1		B ES	0.20		TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY with rare rootlets (<3mm). Gravel is sub-angular and sub-rounded fine to medium of flint.	(0.35)		
		B ES	0.50		Firm light brown slightly sandy slightly gravelly silty CLAY. Gravel is sub-angular fine to medium of flint and chert.	(0.25)		
		B ES	1.00		Soft light brown and off-white slightly sandy slightly gravelly silty CLAY with low cobble content. Gravel is angular and sub-angular fine to coarse of flint and chert. Cobbles are sub-angular and sub-rounded fine to coarse of chalk and flint.	0.60		
2					1.70-2.00m: With occasional light brown sandy silt interbeds (<100mm).	(1.40)		
		B	2.00		Trial pit completed at 2.00m	2.00		
3								
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater seepage encountered at 1.30m. Level of 1.90m noted on completion.  
 STABILITY: Trial pit generally unstable and collapsing below 0.80m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Soakaway test undertaken at 2.00m. See separate sheet.

CC TP LOG C6257.GPJ CCGI GINT STD AGS 4 0.GDT 14/3/19 MA





# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 14/03/2019
Location: Chichester	Dimensions: 3.10m Depth 3.10m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1		B ES	0.20		TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY with rare rootlets (<3mm). Gravel is angular to sub-angular fine to medium of flint.	(0.25)		
		B ES H	0.50	28	Firm, light brown locally orangish brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to sub-angular of flint and chalk.	0.25		
		B ES	1.00		0.95-1.70m: Becoming gravelly with depth.	(1.45)		
2		B H	2.00	20	Soft thinly laminated light brown locally light grey sandy silty CLAY.	1.70		
						(1.40)		
3		B H	3.00	12	Trial pit completed at 3.10m	3.10		
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 0.80m.  
 STABILITY: Trial pit generally unstable and collapsing below 0.90m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Excavation terminated at 3.10m due to instability. On completion pit collapsed back to 1.70m.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 13/03/2019
Location: Chichester	Dimensions: 3.30m Depth 2.00m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1		B ES	0.20		TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY with rare rootlets (<3mm). Gravel is sub-angular fine to medium of flint.	(0.30)		
		B ES	0.50		Firm light brown slightly sandy slightly gravelly silty CLAY. Gravel is angular fine to medium of flint.	0.30 (0.40)		
		B ES	1.00		Soft light grey and off-white slightly sandy slightly gravelly silty CLAY with low cobble content. Gravel is angular to sub-angular fine to coarse of flint and siliceous material. Cobbles are sub angular of flint.	0.70		
					1.20-2.00m: Becoming with medium cobble content of sub-angular flint.	(1.30)		
2		B D	2.00		Trial pit completed at 2.00m	2.00		
3								
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Not encountered.  
 STABILITY: Trial pit sides remained stable throughout.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Soakaway test undertaken at 2.00m. See separate sheet.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 12/03/2019
Location: Chichester	Dimensions: 3.20m Depth 3.80m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1		B ES	0.20		TOPSOIL: Soft dark brown slightly sandy slightly gravelly CLAY with occasional roots and rootlets <3mm. Gravel is sub-angular fine to coarse of flint.	(0.25)		
			0.50		Soft light brown and orangish brown slightly sandy slightly gravelly silty CLAY with low cobble content. Gravel is angular and sub-angular fine to coarse of flint. Cobble are sub-angular of flint.	0.25 (0.65)		
			1.00		Light greyish brown and off-white slightly sandy very clayey angular and sub-angular fine to coarse GRAVEL of chalk and flint with low cobble content. Cobbles are sub-angular of flint.	0.90		
2		B	2.20			(2.90)		
3		B	3.20					
4					Trial pit completed at 3.80m		3.80	

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 1.40m.  
 STABILITY: Trial pit generally unstable and collapsing below 0.90m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.

CC TP LOG C6257.GPJ CCGI GINT STD AGS 4 0.GDT 13/3/19 MA



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 13/03/2019
Location: Chichester	Dimensions: 3.20m Depth 2.60m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1	↓	B ES	0.20		TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY with rare rootlets (<3mm). Gravel is sub-angular fine to medium of flint and chert.	(0.50)		
		B ES	0.50		0.50-1.50m: With occasional light brown clay interbeds (<100mm). Soft light greyish brown and off-white slightly sandy slightly silty gravelly CLAY. Gravel is angular to sub-angular fine to coarse of flint, chert and chalk.	0.50		
		B ES	1.00		1.20-1.50m: Gravelly.	(1.00)		
		B D	1.50		Light greyish brown locally off-white silty sandy sub angular fine to coarse GRAVEL of flint, chert and chalk.	(0.50)		
		B	2.00		Firm light brown and off-white slightly sandy slightly gravelly silty CLAY. Gravel is angular to sub-angular of chalk, flint and chert.	2.00		
2		B	2.00			(0.60)		
		B D	2.60		Trial pit completed at 2.60m.	2.60		
3								
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 0.90m. Level of 2.20m noted on completion.  
 STABILITY: Trial pit generally unstable and collapsing below 1.50m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Excavation terminated at 2.80m due to instability. On completion trial pit collapsed back to 2.20m.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 12/03/2019
Location: Chichester	Dimensions: 3.60m Depth 2.10m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1	↓	B ES H	0.20	38	TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY with occasional roots and rootlets <3mm. Gravel is sub-angular and sub-rounded fine to medium of flint.	(0.25)		
		B ES	0.50		Firm light brown and orangish brown slightly sandy slightly gravelly silty CLAY. Gravel is sub-angular fine to medium of flint.	0.25 (0.70)		
		B ES	0.95		Soft light grey locally off-white slightly sandy gravelly silty CLAY. Gravel is angular and sub-angular fine to coarse of chalk and flint.	0.95 (1.15)		
2		B	2.10		Trial pit completed at 2.10m	2.10		
3								
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 0.80m, water level on completion 2.00m.  
 STABILITY: Trial pit generally unstable and collapsing below 0.30m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Soakaway test undertaken - see separate sheet.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 12/03/2019
Location: Chichester	Dimensions: 2.10m Depth 2.20m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1	↓	B ES	0.20		TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY. Gravel is sub-angular fine and medium of flint.	(0.30)		
		B ES	0.50		Firm light grey and light brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular fine to coarse of flint.	(0.30)		
		B ES	1.00		Light grey locally off-white slightly sandy very clayey angular and sub-angular fine to coarse GRAVEL of chalk and flint.	(1.60)		
2						2.20		
					Trial pit completed at 2.20m			
3								
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater seepage encountered at 0.40m. Level of 1.58m noted on completion.  
 STABILITY: Trial pit generally unstable and collapsing below 0.70m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Soakaway test undertaken. See separate sheet.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 11/03/2019
Location: Chichester	Dimensions: 2.50m Depth 2.00m 0.80m		Scale 1 : 25
Client: Countrywide Properties			Logged By MA

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1		B ES	0.20		TOPSOIL: Soft brown slightly sandy slightly gravelly CLAY with occasional roots and rootlets <3mm. Gravel is sub-angular and sub-rounded fine to coarse chalk and flint.	(0.30)		
		B ES	0.50		Firm brown slightly sandy slightly gravelly CLAY with rare cobble sized pockets of slightly sandy very clayey gravel. Gravel is sub-angular and sub-rounded fine to coarse chalk and flint.	0.30 (0.60)		
		B ES	1.00		Off-white locally orangish brown slightly sandy very clayey angular to sub-rounded fine to coarse GRAVEL of chalk and flint.	0.90 (0.70)		
		D	1.80		Firm brown locally orangish brown and light brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular fine and medium chalk and flint.	1.60 (0.40)		
2						2.00		Trial pit completed at 2.00m
3								
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater seepage encountered at 1.60m. Level of 1.98m noted on completion.  
 STABILITY: Trial pit generally unstable and collapsing below 0.90m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Soakaway test undertaken at 2.00m. See separate sheet.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 11/03/2019
Location: Chichester	Dimensions: 3.60m Depth 2.80m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1		B ES	0.20		TOPSOIL: Soft dark brown slightly sandy gravelly silty CLAY. Gravel is angular to sub-angular fine to medium of flint.	(0.80)		
		B ES	0.75		Soft light brown and orangish brown slightly sandy slightly gravelly silty CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint.	0.80 (0.20)		
		B ES	1.30		Light brown and off-white slightly sandy slightly silty clayey angular to sub-rounded fine to coarse GRAVEL of chalk and flint.	1.00		
2						(1.80)		
3					Trial pit completed at 2.80m	2.80		
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 0.90m.  
 STABILITY: Trial pit generally unstable and collapsing below 0.60m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Excavation terminated at 2.80m due to instability.





# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 14/03/2019
Location: Chichester	Dimensions: 3.40m Depth 2.80m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1		B ES	0.20		MADE GROUND: Soft dark brown slightly sandy slightly gravelly silty CLAY. Gravel is angular to sub-angular fine to medium of flint and brick.	(0.40)		
		B ES	0.50		Soft light grey and off-white slightly sandy gravelly silty CLAY. Gravel is angular to sub-angular fine to medium of flint and chalk.	0.40		
		B ES	1.00			(0.90)		
		B	1.50		Light grey off-white slightly sandy silty clayey angular to sub angular fine the coarse GRAVEL of flint and siliceous material.	1.30		
2					2.50-2.80m: With rare pockets of soft off-white clay (<150mm).	(1.50)		
3		B	2.80		Trial pit completed at 2.80m	2.80		
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 2.80m. Water level on completion 2.20m.  
 STABILITY: Trial pit generally unstable and collapsing below 1.10m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Possible land drain (150mm of concrete) encountered at 0.70m (broken), hole extended to avoid. Excavation terminated at 2.80m due to instability. On completion hole collapsed back to 2.20m.

CC TP LOG C6257.GPJ CCGI GINT STD AGS 4 0.GDT 15/3/19 MA



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 11/03/2019
Location: Chichester	Dimensions: 3.00m Depth 2.50m 0.65m		Scale 1 : 25
Client: Countrywide Properties			Logged By MA

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1	↓	B ES	0.20		TOPSOIL: Soft brown slightly sandy slightly gravelly CLAY with occasional roots and rootlets <10mm. Gravel is sub-angular and sub-rounded fine to coarse chalk and flint.	(0.50)		
		ES B	0.50 0.60		Light grey sandy very clayey angular to sub-rounded fine to coarse GRAVEL of chalk and flint.	0.50		
		B ES	1.00		0.90-1.50m: Locally tending to firm brown slightly sandy gravelly clay.			
		B	1.70		1.50-2.50m: Orangish brown locally light brown.	(2.00)		
2								
3								
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 1.10m. Level of 1.55m noted on completion.  
 STABILITY: Trial pit generally unstable and collapsing below 0.50m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Excavation terminated at 2.50m due to instability.



# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 11/03/2019
Location: Chichester	Dimensions: 3.20m Depth 2.80m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1	↓	B ES	0.20		MADE GROUND: Soft dark brown slightly sandy slightly gravelly silty CLAY with occasional roots and rootlets <3mm. Gravel is sub-angular fine to medium of flint.	(0.40)		
		B ES	0.50		Light grey locally off-white slightly sandy very clayey angular and sub-angular fine to coarse GRAVEL of chalk and flint.	0.40 (0.60)		
		ES B	1.00 1.10		Soft light brown locally orangish brown slightly sandy slightly gravelly silty CLAY. Gravel is angular and sub-angular fine to coarse of chalk and flint.	1.00 (0.40)		
		B	2.00		Soft off-white and light brown slightly sandy gravelly silty CLAY. Gravel is angular to sub-rounded fine to coarse chalk and flint.	1.40 (1.40)		
2								
3					Trial pit completed at 2.80m	2.80		
4								

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 1.15m. Level of 1.80m noted on completion.  
 STABILITY: Trial pit generally unstable and collapsing below 0.40m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Excavation terminated at 2.80m due to instability.



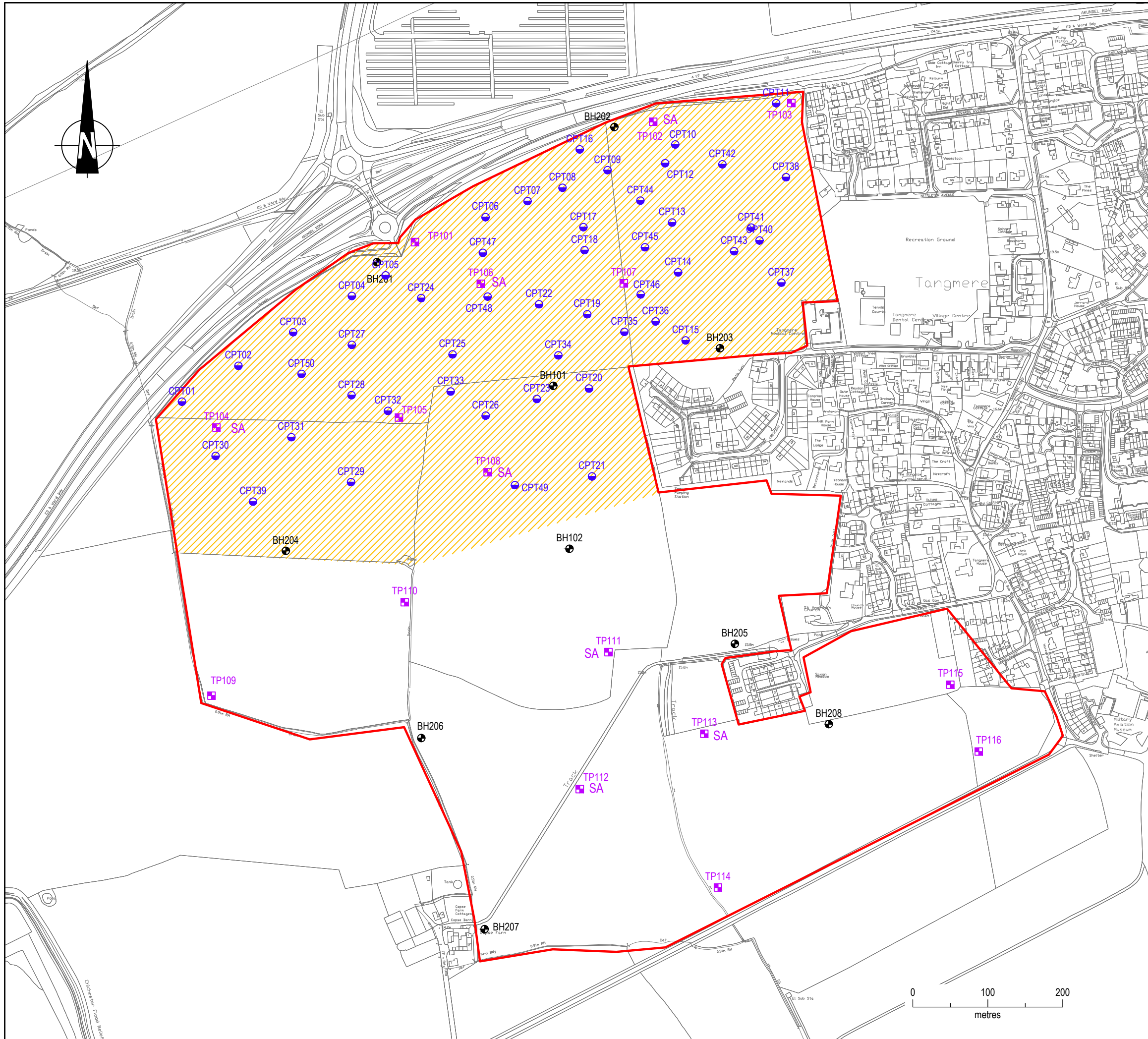
# TRIAL PIT LOG

Telephone: 01452 739 165 , Fax: 01452 739 220 , Email: Info@CCGround.co.uk

Project Name: Land West of Tangmere	Project No: <b>C6257</b>	Co-ords: E N Level: mAOD	Date 11/03/2019
Location: Chichester	Dimensions: 3.20m Depth 3.80m 0.60m		Scale 1 : 25
Client: Countrywide Properties			Logged By MMI

(m)	Water Levels	Samples & In Situ Testing			Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result				
1		B ES	0.30		TOPSOIL: Soft dark brown slightly sandy slightly gravelly silty CLAY with occasional roots and rootlets. Gravel is sub angular fine to medium of flint.	(0.30)		[Symbol]
					Soft friable light brown locally orangish brown slightly sandy slightly gravelly silty CLAY. Gravel is sub-angular fine to medium of flint.	0.30		
2		B ES	1.00			(1.20)		[Symbol]
			B	1.50		Soft light brown slightly sandy slightly gravelly silty CLAY. Gravel is angular and sub-angular fine to medium of flint.	1.50	
3		B	2.20		Soft light grey and off-white slightly sandy gravelly silty CLAY. Gravel is angular and sub-angular fine to coarse of chalk and flint.	(0.80)		[Symbol]
		B	2.80			2.30		[Symbol]
4					Trial pit completed at 3.80m	(1.50)		[Symbol]
						3.80		[Symbol]

EQUIPMENT: Doosan 12 tonne metal tracked 360° Mechanical Excavator.  
 METHOD: Trial pits excavated using 0.60m bucket.  
 GROUNDWATER: Groundwater encountered at 2.40m.  
 STABILITY: Trial pit generally unstable and collapsing below 0.90m.  
 BACKFILL: Trial pit backfilled with arisings and compacted with excavator bucket.  
 REMARKS: Excavation terminated at 3.80m due to instability.



- Key**
- Approximate Site Boundary
  - Approximate Proposed Borehole Location
  - Approximate Proposed Trial Pit Location (SA = Soakaway Test)
  - Area where CPTs will be undertaken
  - CPT Location

**TANGMERE**  
**PROPOSED EXPLORATORY HOLE**  
**LOCATION PLAN**

Client  
**COUNTRYSIDE**  
**PROPERTIES LTD**

Date of 1st Issue 12.12.2018	Drawn by davco
A3 Scale 1:5000	Checked by NW

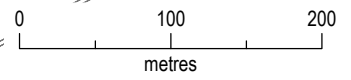
Figure Number  
**2**



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