



*Your*Geotechnical

GROUND INVESTIGATION- GEORGE STREET DEWSBURY, KIRKLEES, WF13 2LX

Bluespot Furniture Ltd

Your Geotechnical

Unit 8-10 Brockholes Business Park, Brockholes, Holmfirth, HD9 7BN
Tel: 01484 799340

Report Number: YG0171-20, Date: June 2020

Daniel Speight
daniel@yourenvironment.org

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	Name	Position	Signature	Date
Prepared by:	Daniel Speight	Geotechnical Engineer		June 2020
Reviewed and Approved by:	Rob Lewis	Director		June 2020
For and on behalf of <i>YourGeotechnical</i>				

Issue	Date	Description	Prepared	Reviewed	Approved
01	29.06.2020	Final Report	DS	RL	CH

1.0 Introduction

YourGeotechnical (YG) was instructed by Bluespot Furniture Ltd to conduct a ground Investigation at a site identified as George Street, Dewsbury, Kirklees, WF13 2LX.

The purpose of this investigation was to provide a factual report on our findings in respect to works completed at the site, which comprised a site strip and trial pitting. This work was required as per recommendations within a report produced by Haigh Huddlesden & Associates, Report number E20/7665/MD/L001 Dated February, which should be read in conjunction to this report.

This report presents a full factual record of all site works carried out. The report has been formulated in accordance with BS5930:2020 '*Code of Practice for Ground investigations*'.

YG take no responsibility for conditions which have not been revealed by the trial pits, or which occur between pits. Whilst every effort has been made to interpret the conditions between investigation locations, such information is only indicative, and liability cannot be accepted for its accuracy.

The information contained in this report is intended for the use of the named client (or their approved contractors). Should a third party rely on any part of this report, that party does so wholly at its own risk and YG disclaim any liability to such parties. Should the purposes for which the report is used, or the proposed use of the site change, this report may no longer be valid and further use of reliance upon the report in those circumstances shall be at the client's sole and own risk. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. YG should in all such altered circumstances be commissioned to review and update this report accordingly.

2.0 Physical Setting

2.2 Geology

The relevant British Geological Survey (BGS) online mapping information indicates the site is devoid of superficial deposits. The solid geology is noted to comprise Birstall Rock Sandstone of the Pennine Lower Coal Measures Formation.

3.0 Fieldworks

3.1 Site Investigation

All SI works were completed between May 26th June under the supervision of a Geotechnical Engineer contracted from YG. In summary the investigation included:

- The routes of any below ground services in close proximity to the proposed exploratory hole positions, using a CAT scan.
- A site strip was undertaken removing all vegetation, hardstanding using a 20t tracked excavator.
- Trial pits were extended into the natural soils encountered.
- Upon completion, all exploratory holes were back filled.

The positions of exploratory holes in relation to the existing site layout can be reviewed within **Appendix A**. Trial pit Logs are located in **Appendix B**. Photographs are included in **Appendix C**

4.0 Geology & Ground Conditions

A review of the ground conditions within the boreholes indicates the presence of variable Made Ground deposits to up to 1.00m depth. This was noted to comprise generally ash, clinker, and sandstone deposits. The Made ground was noted to the thickest to the south east corner of the site.

Upon penetrating the made ground, brown silty sandy slightly gravelly CLAYS were recorded. It is considered likely that these natural deposits are representative of the weathered fraction, of the underlying bedrock geology.

5.0 Groundwater Conditions

No Groundwater was encountered during the investigation.

It should be noted that groundwater levels are dependent upon seasonal variations and can change after periods of prolonged rainfall or drought.

6.0 Visual and Olfactory Observations

With the exception of general anthropogenic material identified, no visual and/or olfactory evidence of potential contamination was noted within any soils encountered as part of the investigative works undertaken.

7.0 Discussion

The CMRA prepared by Haigh Huddleston indicated that there was a shaft present to the south east of the site, under the entrance to the adjacent Local Authority Yard. The Coal Authority data suggested that this was likely to have been filled, however no information was available as to the treatment. The report recommended that a trial pitting exercise should be undertaken in order prove that the shaft is not present under the site. Accordingly, a site strip and trial pitting exercise were undertaken. During the works, trial pits were extended to depth upon which natural clays were revealed and no evidence of a shaft was recorded. Furthermore, there was evidence of relict drainage features, likely to be associated with the former abattoir buildings recorded as being across the site underlying the made ground and there was no evidence of infilled cellars or other structures. It is therefore reasonable to assume that the shaft is present off the site.

8.0 Limitations

YG have prepared this report with all reasonable skill, care and diligence. The work undertaken to provide the basis of this report comprised a study of available documented information from a variety of sources.

The opinions given in this report have been dictated by the finite data on which are they based and are relevant only to the purpose for which the report was commissioned.

Information reviewed should not be considered exhaustive and has accepted in good faith as providing true and representative data with respect to site conditions. Should additional information become available which may influence the opinion expressed in this report, YG reserves the right to review such information and, if warranted, to alter the opinions accordingly.

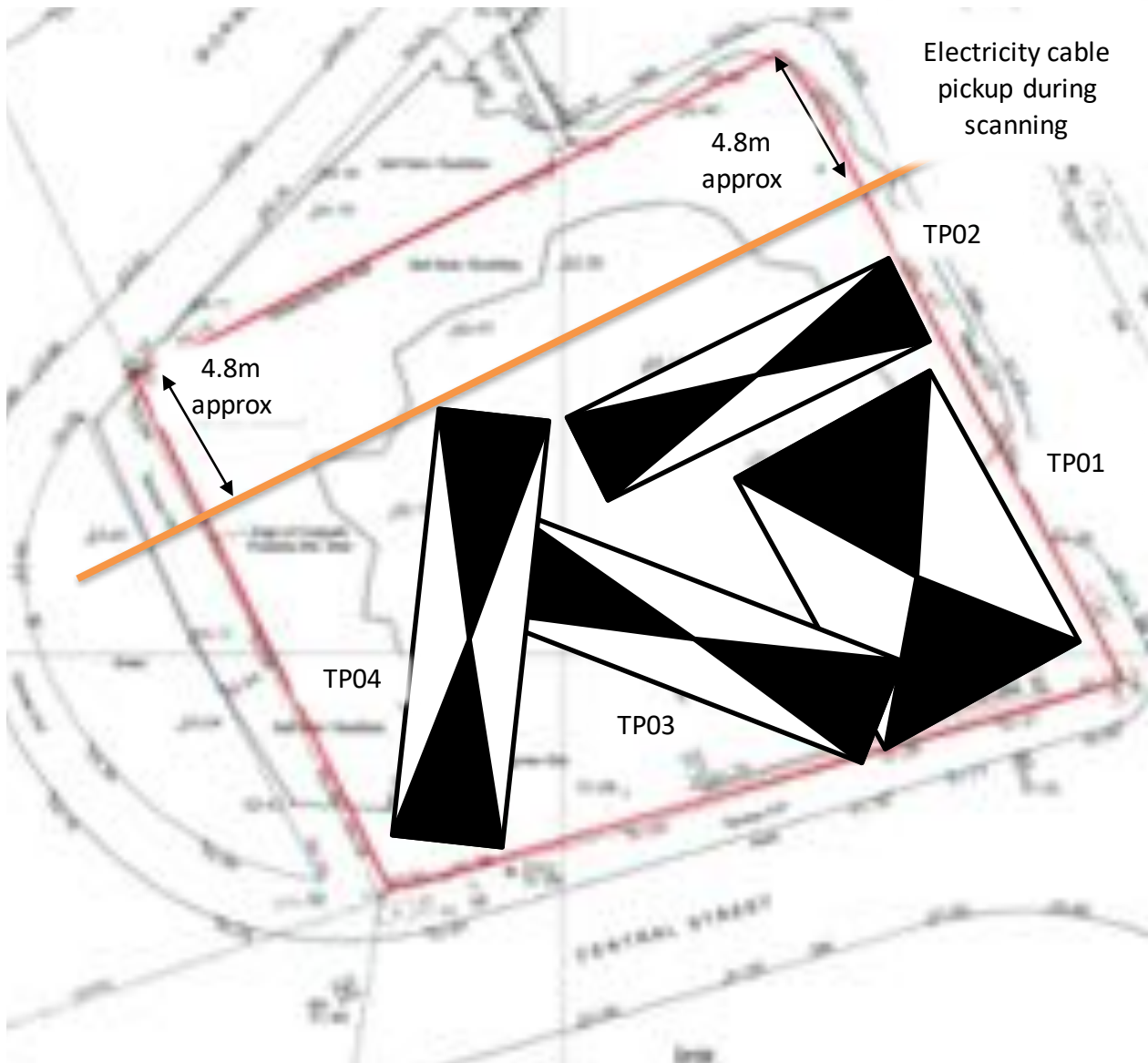
It should be noted that any risks identified in this report are perceived risks based on the information reviewed.

The recommendations contained in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted industry practices at this time and as such are not a guarantee that the study site is free of hazardous conditions.

This report has been prepared solely for the use of the named client and may not be relied upon by other parties without written consent from YG. YG disclaim any responsibility to the client and others in respect of any matters outside the agreed scope of the work.

APPENDIX A: Site investigation plan





Title: **Investigation Location Plan**



Site Name:
George Street, Dewsbury

Job No:
YG 0171-20

APPENDIX B: Trial Pit Logs



Trial Pit Log

TrialPit No

TP01

Sheet 1 of 1

Project Name: George Street

Project No.
YG0171-20

Co-ords: -
Level:

Date
26/06/2020

Location: Dewsbury

Dimensions
(m):

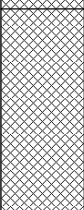
Scale
1:25

Client: Bluespot Furniture

Depth
1.20

3.00

Logged
RL

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30			MADE GROUND: Concrete and block surfacing
							MADE GROUND: Dark brown clayey sandy GRAVEL. Gravel is fine to coarse of ash, clinker sandstone and mudstone. Glass and timber fragments noted.
				1.00			Stiff brown mottled grey and grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse of predominantly SANDSTONE
				1.20			End of Pit at 1.20m

Remarks:	
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Stability:



Trial Pit Log

TrialPit No

TP02

Sheet 1 of 1

Project Name: George Street

Project No.
YG0171-20

Co-ords: -
Level:

Date
26/06/2020

Location: Dewsbury

Dimensions (m):	10.00
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Scale
1:25

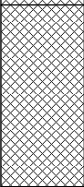
Client: Bluespot Furniture

Depth
1.10

2.00

10.00

Logged
RL

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30			MADE GROUND: Concrete and block surfacing
							MADE GROUND: Dark brown clayey sandy GRAVEL. Gravel is fine to coarse of ash, clinker sandstone and mudstone. Glass and timber fragments noted.
				0.90			Stiff brown mottled grey and grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse of predominantly SANDSTONE
				1.10			End of Pit at 1.10m

Remarks:	
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Stability:



Trial Pit Log

TrialPit No

TP03

Sheet 1 of 1

Project Name: George Street

Project No.
YG0171-20

Co-ords: -
Level:

Date
26/06/2020

Location: Dewsbury

Dimensions (m):

Scale
1:25

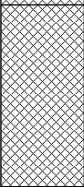
Client: Bluespot Furniture

Depth
1.20

2.00

10.00

Logged
RL

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30			MADE GROUND: Concrete and block surfacing
							MADE GROUND: Dark brown clayey sandy GRAVEL. Gravel is fine to coarse of ash, clinker sandstone and mudstone. Glass and timber fragments noted.
				0.90			Stiff brown mottled grey and grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse of predominantly SANDSTONE
				1.20			End of Pit at 1.20m

Remarks:	
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Stability:



TP04				Trial Pit Log				TrialPit No TP04 Sheet 1 of 1		
Project Name: George Street				Project No. YG0171-20		Co-ords: - Level:		Date 26/06/2020		
Location: Dewsbury						Dimensions (m): 7.00		Scale 1:25		
Client: Bluespot Furniture						Depth 0.90		Logged RL		
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
	Depth	Type	Results							
				0.30			MADE GROUND: Concrete and block surfacing			
				0.70			MADE GROUND: Dark brown clayey sandy GRAVEL. Gravel is fine to coarse of ash, clinker sandstone and mudstone. Glass and timber fragments noted.			
						0.90		Stiff brown mottled grey and grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse of predominantly SANDSTONE		
									End of Pit at 0.90m	
								1		
								2		
								3		
								4		
								5		
Remarks:										
Stability:										



APPENDIX C: Photographs



Site: George Street, Dewsbury

Client: Bluespot Furniture

Job Reference: YG 0171-20, Dated: June 2020

A.



B.



C.



D.



Your Environment

A. Initial view of Site

B. Site during strip

C. Site during strip

D. Site during strip



Your Environment

Site: George Street, Dewsbury

Client: Bluespot Furniture

Job Reference: YG 0171-20, Dated: June 2020

E.



F.



G.



H.




Your Environment

E. Strip and TP01

F. Strip and TP01

G. TP01

H. TP02


Your Environment

Site: George Street, Dewsbury

Client: Bluespot Furniture

Job Reference: YG 0171-20, Dated: June 2020

I.



J.



K.



L.




Your Environment

I. TP02 with relict drainage at base
of Made ground

J. TP03

K. TP04

L. TP04


Your Environment